GM 70697

2017 exploration program of the Qiqavik and Parent Properties

Documents complémentaires

Additional Files



Licence

License

Cette première page a été ajoutée
au document et ne fait pas partie du
rapport tel que soumis par les auteurs.

Énergie et Ressources naturelles
Québec

2017 Exploration Program

Of the

Qiqavik & Parent Properties

Nunavik, Quebec Canada

(NTS 35G11, 35G12 & 35G05)

Prepared by:

Robert Cloutier, géo
Membre OGQ #1233
Royal Nickel Corp.

Brian Bélisle, géo
Membre OGQ #1529
Royal Nickel Corp.

Arnaud Fontaine, géo
Membre OGQ #1698
Royal Nickel Corp.

June 8, 2018

TABLE OF CONTENTS

1- SUMMARY 1

2- INTRODUCTION 3

3- PROPERTY DESCIPTION AND LOCATION 4

3.1 Location 4

3.2 Claim ownership 5

3.2.1 Qiqavik ownership 5

3.2.2 Parent ownership 6

3.3 Claim status 6

3.4 Accessibility, Climate, Infrastructures and physiography 6

4- EXPLORATION HISTORY 9

4.1 Early history 9

4.2 Recent history 9

5- GLACIAL GEOLOGY 15

6- GEOLOGICAL SETTING AND MINERALIZATION 16

6.1 Regional geology 16

6.2 Local Geology 18

6.3 Mineralization 20

6.3.1 Esperance & Horizon Area: 20

6.3.2 Aurora Area & Focused Intrusive: 23

6.3.3 Central Qiqavik 28

6.3.4 Gerfaut Area: 30

6.3.5 Parent 32

7- DEPOSIT TYPES 34

7.1 Esperance 34

7.2 Aurora 34

7.3 Gerfaut 34

7.4 Parent 35

8- EXPLORATION PROGRAM 2017 36

8.1 Qiqavik Mapping and Till Programs 36

8.1.1 Esperance and Horizon Area 43

8.1.2 Aurora Area and Focused Intrusive 47

8.1.3 Central Qiqavik 51

8.1.4 Gerfaut 55

8.2 Parent Mapping and Till Program 60

8.2.1 Lineament Extraction and Structural interpretation 60

8.3 Geophysical Surveys 63

8.4 Geophysics & Exploration interpretation and conclusions 63

9- DRILLING 67

9.1 Drilling methodology 67

9.2 Logging procedure 67

9.3 2017 Drilling results 70

9.3.1 Esperance and Esperance West 70

9.3.2 Aurora and Aurora West 81

9.3.3 Central 86

10- DATA COLLECTION, SAMPLING, SAMPLE PREPARATION, ANALYSIS AND SECURITY 91

10.1 Data collection 91

10.2 Sampling and chain of custody 91

10.3 Analytical methods 92

10.4 Quality assurance and quality control 92

11- INTERPRETATION AND CONCLUSION 96

12- RECOMMENDATIONS 98

13- REFERENCES 99

14- CERTIFICATE OF QUALIFICATION 101

LIST OF TABLES

Table 1 Summary of 1996 drilling 9
Table 2 Mineralized intersections from drill hole Par96-01 10
Table 3a: Summary of the exploration history of the Qiqavik property 11
Table 3b: Summary of the exploration history of the Parent property 12
Table 4: List of 2017 samples returning highest gold values in Esperance and Horizon area 21
Table 5: List of 2017 samples returning highest gold values in Aurora and Focused Intrusive area 26
Table 6: List of 2017 samples returning highest gold values in Central Qiqavik area 28
Table 7: List of 2017 samples returning highest gold values in Gerfaut area 30
Table 8 Isolated grab sample showing gold anomalies 37
Table 9: Summary of 2017 drilling (coordinates in UTM, NAD 83, zone 18) 68
Table 10: Summary of QAQC review on 2017 analytical results, (in brackets are failures) 94

LIST OF PICTURES

Picture 1: Typical landscape of the Qiqavik project area. 7
Picture 2: Photo of Camp Chukotat looking north. 8
Picture 3a) Boulder field in Esperance area 21
Picture 3b) Sheared basalt with disseminated and massive arsenopyrite 21
Picture 4: Field view of the Aurora area, looking to SE 24
Picture 5: Sample P132942 showing mineralized quartz vein parallel to granitic body 24
Picture 6: Sample 66961, banded quartz vein with quartz comb structures. 25
Picture 7A: Samples 66959, Quartz-Arsenopyrite layers in central part of vein. 25
Picture 7B: Sample 66960, As, Sb +/- Cu-Zn-Pb-Ag mineralization at margin of vein. 25

LIST OF MAPS

Map 1 Geological map of the Qiqavik and Parent properties (Appendix 4) 19
Map 2 Compilation of 2017 Surveys on Qiqavik and Parent Properties (Appendix 4) 39
Map 3 2017 Tills Sampling on Qiqavik and Parent Properties (Appendix 4) 40
Map 4 2017 Grab Samples on Qiqavik and Parent Properties (Appendix 4) 41
Map 5 2017 Mapping and Till Stations on Qiqavik and Parent Properties (Appendix 4) 42

LIST OF FIGURES

Figure 3.1 General location map of Qiqavik & Parent properties 4
Figure 3.2 Mineral titles map of the Qiqavik property area 5
Figure 4.1 Map of the historical exploration work on Qiqavik property 13
Figure 4.2 Map of the historical exploration work on Parent property 14
Figure 5.1 Map showing ice flow direction in the Ungava peninsula (Daigneault, 2008) 15
Figure 6.1 Geological map showing the disposition of the Circum-Superior Belt. 16
Figure 6.2 Regional map of the Cape Smith Belt 17
Figure 6.3 Esperance geological map – surface rock samples with significant grade Au +/- Cu. 22
Figure 6.4 Aurora geological map showing surface rock samples with significant grade Au +/- Cu 27
Figure 6.5 Central Qiqavik geological map – surface rock samples with significant grade Au +/- Cu 29
Figure 6.6 Gerfaut geological map – surface rock samples with significant grade Au +/- Cu 31
Figure 6.7 Parent property geological map – surface rock samples with significant grade Au values 33
Figure 8.1 Location of the grab samples over the Esperance and Horizon Area with gold values 44
Figure 8.2 Location of the Till samples over the Esperance and Horizon Area with Arsenic values 45
Figure 8.3 Location of the Till samples over the Esperance and Horizon Area with Gold values 46
Figure 8.4 Location of the grab samples over the Aurora and Focused Intrusive Area with gold values ... 48
Figure 8.5 Location of the Till samples over the Aurora and Focused Intrusive Area with Arsenic values 49
Figure 8.6 Location of the Till samples over the Aurora and Focused Intrusive Area with Gold values 50
Figure 8.7 Location of the grab samples over the Central Qiqavik Area with gold values 52
Figure 8.8 Location of the Till samples over the Central Qiqavik Area with Arsenic values 53
Figure 8.9 Location of the Till samples over the Central Qiqavik Area with Arsenic values 54
Figure 8.10 Location of the grab samples over the Gerfaut Area with gold values 56
Figure 8.11 Location of the Till samples over the Gerfaut Area with Arsenic values 57
Figure 8.12 Location of the Till samples over the Gerfaut Area with Gold values 58
Figure 8.13 Location of the Large Till samples over the Gerfaut Area 59
Figure 8.14 Location of the grab samples over the Parent property with gold values 61
Figure 8.15 Structural interpretation - targeting results for 2018 field work follow up on DEM data map ... 62
Figure 8.16: Esperance Chargeability Trends 64
Figure 8.17: Aurora Chargeability Trends 65
Figure 8.18: Central Zone IP trends 66
Figure 9.1 Location of drill holes over the Qiqavik and Parent property 69
Figure 9.2 Location of 2017 Drill Holes over Esperance and Esperance West 70
Figure 9.3 QK-17-008 Drill Section 71
Figure 9.4 QK-17-010 and QK-17-011 Drill Section 72

Figure 9.5 QK-17-012 and QK-17-013 Drill Section 73
Figure 9.6 QK-17-015 and QK-17-016 Drill Section 74
Figure 9.7 QK-17-018 Drill Section 75
Figure 9.8 QK-17-019 Drill Section 76
Figure 9.9 QK-17-021 and QK-17-022 Drill Section 77
Figure 9.10 QK-17-024 Drill Section 78
Figure 9.11 QK-17-026 and QK-17-027 Drill Section 79
Figure 9.12 QK-17-028 Drill Section 80
Figure 9.13 Location of 2017 Drill Holes over Aurora and Aurora West 81
Figure 9.14 QK-17-007 Drill Section 82
Figure 9.15 QK-17-009 Drill Section 83
Figure 9.16 QK-17-014 Drill Section 84
Figure 9.17 QK-17-017 Drill Section 85
Figure 9.18 Location of 2017 Drill Holes over Central 86
Figure 9.19 QK-17-020 Drill Section 87
Figure 9.20 QK-17-023 Drill Section 88
Figure 9.21 QK-17-025 Drill Section 89
Figure 9.22 QK-17-029 Drill Section 90
Figure 10.1 Comparison graphic between UT4M and ME-MS61 for arsenic 95
Figure 10.2 Comparison graphic between UT4M and ME-MS61 for cupper 95

LIST OF APPENDICES

Appendix 1: List of Claims registered under Orford Mining

Appendix 2: List of Qiqavik Claims registered under Ressources Tectonic

Appendix 3: List of Qiqavik Claims registered under Wayne Holmstead

Appendix 4: Maps

- Map 1 Properties Geology (Arch D)
- Map 2 Compilation of 2017 Surveys (Arch E)
- Map 3 2017 Till Sampling (Arch D)
- Map 4 2017 Grab Samples (Arch D)
- Map 5 2017 Mapping and Till Stations (Arch D)

Appendix 5: Graphic Cross-Sections of 2017 drill holes

Appendix 6: Drill Logs

Appendix 7: Assay Certificates

1- SUMMARY

The Qiqavik property and the Parent property are located in the northernmost part of Nunavik, northern Quebec, approximately 70 kilometres south of the Northern Village of Salluit. The Exploration team was based at camp Chukotat, located approximately 32 kilometres southwest of the Qiqavik property, in the Orford Mining Corporation 100% owned West Raglan property. The team accessed both projects by helicopter from camp Chukotat on a daily basis.

The Qiqavik property comprises 614 contiguous designated mineral titles covering an area of 24,832 hectares (248 km^2) distributed in one main block.

- Five hundred and sixteen (516) claims of the Qiqavik property are 100% held by Orford Mining Corporation.
- Ninety-three (93) mineral titles are 100% held by Les Ressources Tectonic. Orford Mining Corporation entered into an exclusive option to acquire 100% undivided legal and beneficial interest in these 93 mineral titles.
- Five (5) mineral titles are 100% collectively held by Wayne Holmstead and Geotest Corp. Orford Mining Corporation entered into an exclusive option to acquire 100% undivided legal and beneficial interest in these 5 mineral titles.

The Parent property comprises 240 contiguous designated mineral titles covering an area of 9,688 hectares (97 km2) distributed in one main block. They are all 100% held by Orford Mining Corporation.

The Qiqavik & Parent properties sit in the volcano-sedimentary Parent Group of the Cape Smith Belt dominated by basalts and basaltic to andesitic pyroclastics interlayered with thin clastic sediment bands. Few mafic to ultramafic sills as well as dioritic to tonalitic post-tectonic intrusives intrude the volcano-sedimentary package.

The Qiqavik and Parent Projects are early stage gold exploration projects and only limited work has been completed to date on the property. In 2016, Orford Mining Corporation completed exploration programs including ground magnetic and IP surveys, mapping, till and surface rock sampling and drilled 550 metres in 6 holes. In 2017, Orford Mining Corporation completed exploration programs including ground magnetic and IP surveys, mapping, till and surface rock sampling and drilled 2 722.5 metres in 23 drill holes. This work led to the discovery of over 8 gold mineralized occurrences along a 40 kilometres trend.

Highlights of 2017 work include:

- Confirmed 2016 surface discoveries at Aurora, Esperance, and Esperance West with 14 of 19 drill holes intersecting gold mineralization: up to 13.7 g/t at Aurora, up to 8.8 g/t gold at Esperance and 5.6 g/t Au at Esperance West
    - Gold mineralization was successfully drill tested at Esperance along 300 metres of a 1.3 km structure, and at Esperance West along 650 metres of a 2.0 km structure
- Made 5 new surface discoveries at Aurora Central, Gerfaut South, Central Qiqavik, Horizon, and Focused Intrusive.
    - Aurora Central: Sub-outcrop quartz veins yielding 457.4 g/t Au, 114.7 g/t Au and 112.1 g/t Au
    - Gerfaut South: multiple high-grade boulders with significant amounts of visible gold yielding grades of 122.5 g/t to 285.2 g/t
    - Central Qiqavik: multiple mineralized zones yielding 14 samples grading from 5 g/t to 114 g/t in a 2km by 2 km area
    - Horizon: channel sample of 5.6 g/t over 0.9 m
    - Focused Intrusive: Local quartz vein blocks yielding values up to 8.93 g/t Au
- Verified historical gold showing on the Parent property.

Work completed during the 2017 program demonstrates that gold is associated with secondary splay structures located along the district-scale Qiqavik Break Shear Zone which extends the full 40 km length of the Qiqavik Property. Geological data indicate that gold mineralization at Qiqavik is structurally controlled and associated with porphyry intrusions in places. Typically, in structurally controlled gold deposits, the intensity of mineralization varies along the length of the structures with ore shoots focused in zones of dilation. Based on the work completed to date and the results leading to the identification of new high-grade gold mineralized zones along a 40 kilometres trend and on the fact that the Qiqavik property is under-explored, further exploration work is warranted.

2- INTRODUCTION

The Qiqavik property comprises 614 contiguous designated mineral titles covering an area of 24,832 hectares (248 km^2) distributed in one main block.

- Five hundred and sixteen (516) claims of the Qiqavik property are 100% held by Orford Mining Corporation.
- Ninety-three (93) mineral titles are 100% held by Les Ressources Tectonic. Orford Mining Corporation entered into an exclusive option to acquire 100% undivided legal and beneficial interest in these 93 mineral titles.
- Five (5) mineral titles are 100% collectively held by Wayne Holmstead and Geotest Corp. Orford Mining Corporation entered into an exclusive option to acquire 100% undivided legal and beneficial interest in these 5 mineral titles.

The Parent property comprises 240 contiguous designated mineral titles covering an area of 9,688 hectares (97 km^2) distributed in one main block. They are all 100% held by Orford Mining Corporation.

The Qiqavik & Parent properties sit in the volcano-sedimentary Parent Group of the Cape Smith Belt dominated by basalts and basaltic to andesitic pyroclastics interlayered with thin clastic sediment bands. Few mafic to ultramafic sills as well as dioritic to tonalitic post-tectonic intrusives intrude the volcano-sedimentary package.

In 1995-1996, Falconbridge Exploration Ltd completed reconnaissance in the eastern part of Qiqavik. Mapping led to the discovery of the Gerfaut mineralized occurrences. Following this discovery, Falconbridge performed a 10.3 line-kilometres ground magnetic and electromagnetic (MaxMin) survey and drilled a total of 325 metres in 2 holes, Par96-01 and Par96-02 (GM 54 904). Hole Par96-01 intersected several zones with high gold values corresponding with pyrite, chalcopyrite and hematite stringer zones in chloritized, carbonate-rich mafic to ultramafic schists.

In 1998, SOQEM re-sampled 67 samples of the two previous Falconbridge drill holes. This re-sampled Par-01 which extended the mineralized interval in DDH Par96-01 to 10.5m (between 102.9 and 113.4 metres) at 3.08g/t Au, including 1.1m at 5.45 g/t Au, 0.59% Zn and 3.4m at 6.79 g/t Au and 0.37% Zn. This additional sampling suggests that gold mineralization is not only restricted to quartz veins, but extends within the matrix of the host rock and is closely associated with silicification and arsenopyrite.

In 2011, Les Ressources Tectonic acquired 10 claims covering the main Gerfaut mineralized occurrences. The property was granted for option to Corvus Gold Inc and expanded in 2012. The same year, Corvus Gold completed an exploration program including till sampling, soil (MMI) sampling, and rock sampling. The 2012 program led to the identification of six (6) Au, Ag, Sb, Te, Bi soil/till anomalies plus seven (7) mineralized (Au) rock samples grading up to 23.6 g/t Au from new occurrences. Both rock samples and till/soil sampling anomalies stretched 12 kilometres along strike of a magnetic high spatially coincident with conductor trends identified by the 1998 SOQEM work.

In 2015, shortly after acquiring the option agreements on the Gerfaut block through tectonic resources and Holmstead, a short 10 days reconnaissance prospecting program confirmed the historical findings. Based on this, OMC expanded the property 25km westward following the same geological package and structures to the current property footprint stretching over 42 km east-west in the Parent Group.

In 2016, Orford Mining Corporation completed exploration programs including ground magnetic and IP surveys, mapping, till and surface rock sampling and drilled 550 metres in 6 holes.

The purpose of the 2017 exploration season was to perform a mapping and sampling program on the 2016 discoveries on Qiqavik and Parent properties, and carry out IP geophysics and define drill targets for a planned 3000m drill program.

This report summaries the 2017 gold exploration activities on the Qiqavik & Parent properties.

3- PROPERTY DESCIPTION AND LOCATION

3.1 Location

The Qiqavik & Parent properties are located in the northernmost part of Nunavik, northern Quebec, approximately 70 kilometres south of the Northern Village of Salluit, a regional community on the Coast of the Hudson Straight (Figure 3.1). The Qiqavik property is centered at 75º30' West longitude and 61º43' North latitude, or in UTM coordinates system (Nad 83, Zone 18) at 474,000E and 6,825,000N. The property is bordered to the West by longitude 75º52'00'' W, to the East by longitude 75º05'30'' W, to the North by latitude 61º39'30'' N and to the South by 61º31'30'' N.

The Parent property is centered at 76º05' West longitude and 61º28' North latitude, or in UTM coordinates system (Nad 83, Zone 18) at 442,000E and 6,817,000N. The property is bordered to the West by longitude 76º15'55'' W, to the East by longitude 75º53'38'' W, to the North by latitude 61º32'27'' N and to the South by 61º26'21'' N.

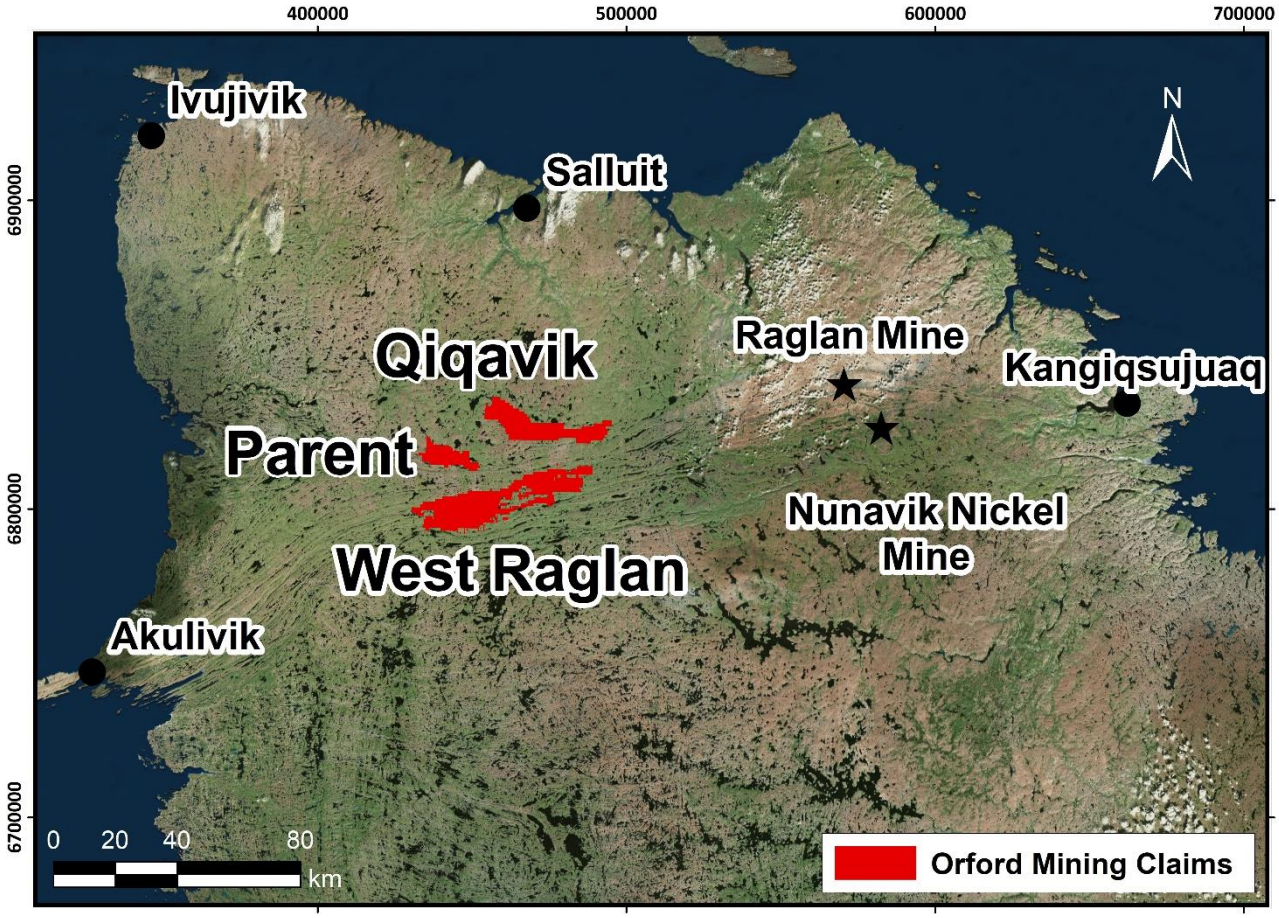


Figure 3.1 General location map of Qiqavik & Parent properties

3.2 Claim ownership

The Qiqavik property comprises 614 adjacent map designated mineral titles covering an area of 24,832 hectares (248 km^2) distributed in one main block in the central part of the Cape Smith Belt (Figure 3.2).

The Parent block comprises 240 contiguous designated mineral titles covering an area of 9,688 hectares (97 km^2) distributed in one main block.

Map designated cells have by law a pre-established perimeter of 30 seconds of arc longitude by 30 seconds of arc latitude. Therefore, no land surveying or claim patenting are needed and no border conflict can be raised on such.

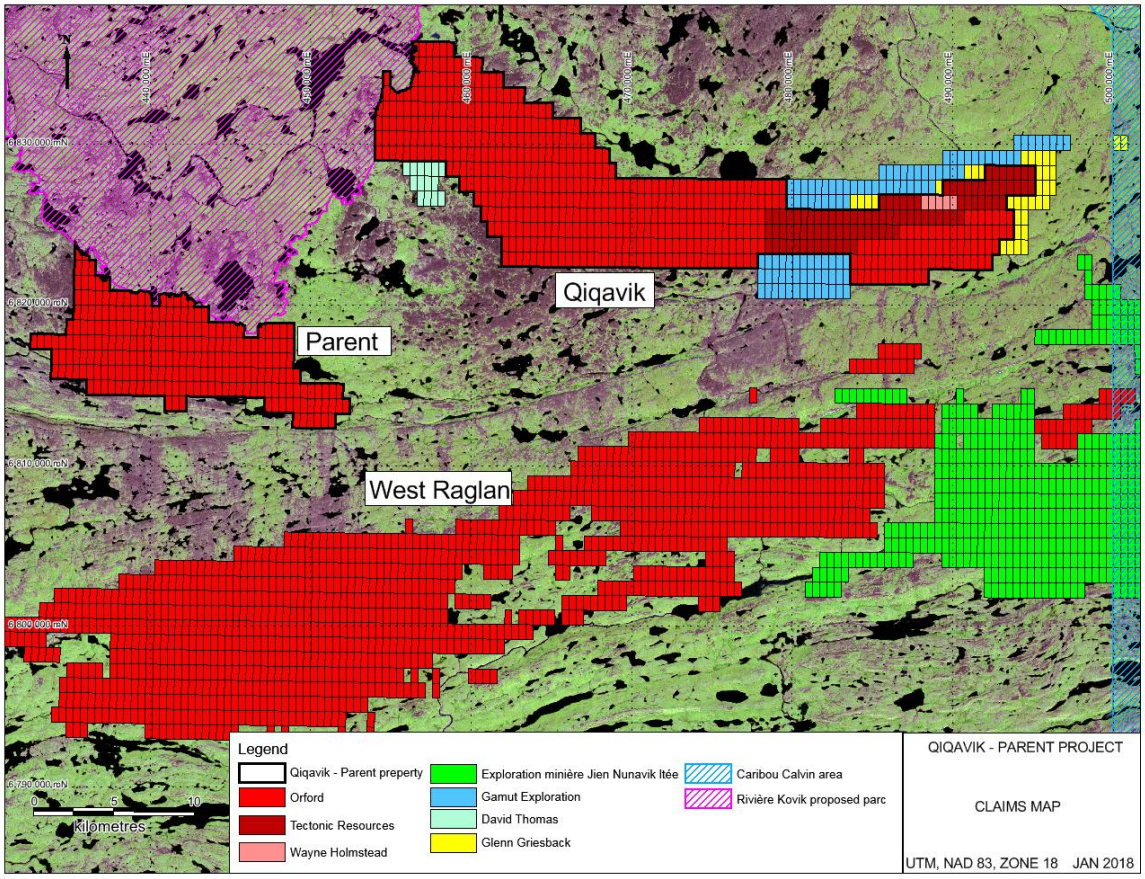


Figure 3.2 Mineral titles map of the Qiqavik property area

3.2.1 Qiqavik ownership

Five hundred sixteen (516) claims of the Qiqavik property were mapped designated from open ground in 2015 and 2016 by Orford Mining Corporation, and are 100% held by Orford Mining Corporation. These claims were indicated as free of any royalties, back-in rights, hypothec, grubstake agreements or other encumbrances by Orford Mining Corporation representatives. Mineral titles registered under Orford Mining Corporation are listed in Appendix 1, as extracted from Gestim online registry (Figure 3.2).

Ninety-three (93) mineral titles of the Qiqavik property (Figure 3.2), referred to as the *Gerfaut block*, were mapped designated from open ground between 2012 and 2015 by, and are 100% held by Les Ressources Tectonic, a Quebec City-based private company. Mineral titles registered under Ressources Tectonic are listed in Appendix 2, as extracted from Gestim online registry.

Five (5) mineral titles included in the Qiqavik property (Figure 3.2), referred as the *Goshawk property*, were mapped designated from open ground in 2015 by, and are 100% collectively held by Wayne Holmstead, an individual from Ontario, and Geotest Corp, an Ontario-based company. Mineral title registered under Holmstead and Geotest are listed in Appendix 3, as extracted from Gestim online registry.

3.2.2 Parent ownership

The 240 claims of the Parent block were mapped designated from open ground in 2015, 2016 and 2017 by Orford Mining Corporation, and are 100% held by Orford Mining Corporation. These claims were indicated as free of any royalties, back-in rights, hypothec, grubstake agreements or other encumbrances by Orford Mining Corporation representatives. Mineral titles registered under Orford Mining Corporation on the Parent property are listed in Appendix 1 as extracted from Gestim online registry.

3.3 Claim status

The claim list was obtained from the Ministère de l'Énergie et des Ressources Naturelles du Québec on-line registry, on January 8th, 2018. This list is provided in Appendices 1 to 3. All the titles are duly registered either under the name of Orford Mining Corporation, Les Ressources Tectonic, or Wayne Holmstead. The claims map is provided in Figure 3.2.

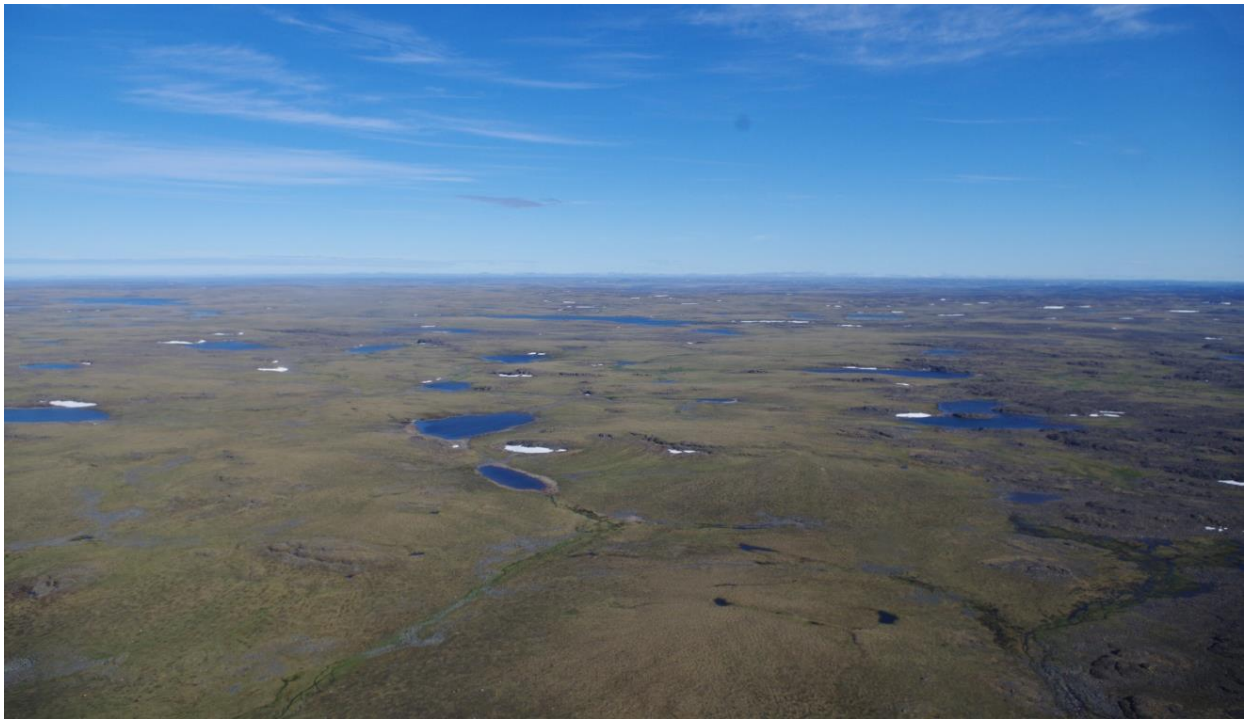
Exploration titles in Québec are required to be renewed every two years, sixty days prior to their anniversary or up to their anniversary with a penalty. A renewal fee is payable at each renewal. Renewal also requires assessment credits accumulated from exploration expenditures.

3.4 Accessibility, Climate, Infrastructures and physiography

The Qiqavik project is situated approximately 400 kilometres north of the tree line, at an average altitude of 375 metres above sea level in typical tundra country. The topography of the area consists in North-West / South-East trending rocky ridges and valleys in the western part of the property, to flatter and grass covered tundra with isolated small hills in the eastern part (Picture 1). Exposed rocks were affected by frost action, reducing many outcrops to rubble and angular blocks. Lowland areas are typically covered by till and swampy tundra, with scattered felsenmeer. The entire map area lies in the zone of discontinuous, but widespread permafrost, which can extend to depths of 540 metres (Stewart, 1976).

Vegetation consists of sparse shrubs, dwarf birch, alders, and plants that grow to less than 25 cm in height. Ground cover consists of grass and moss. Lichens partially cover most outcrops. During the summer, arctic wildflowers and berries can be seen.

Wildlife is generally scarce; the most common mammals in the project area are caribous. Other wildlife includes fox, hare, snowy owl, Peregrine falcon, Canada geese, Arctic hare, lemming, and voles. Polar Bears have been sighted few times in the area over the last 15 years, but are very rare. Local rivers and lakes contain arctic char and lake trout.



Picture 1: Typical landscape of the Qiqavik project area.

The climate in the area is characterized by short, cool summers and long, very cold winters. Average annual temperature in the region is -10°C. Approximately 650 mm of precipitation falls annually (75% as snow). July and August temperatures range between 0º C and 20º C and spring, winter and autumn temperatures range between 0º C and -50º C. First snows are typically expected in early to mid-September. The area is subject to strong wind conditions and periods of dense fog at any time of year. Sheltered areas often remain snow-covered throughout the year. Ice thickness on the lakes can reach up to 2 metres in winter.

Field work season is short, spanning through July and August only to be conducted safely. Helicopter work should be avoided during the spring and autumn due to blizzard and harsh weather. Winter field work, including diamond drilling and geophysics, is not recommended with the current camp configuration, the camp not being properly equipped for extremely cold weather, high winds, and heavy snow loads. Insufficient daylight, heavy blizzard and lack of background contrast also hamper movements to and from the camp and work sites in winter.

The Northern Village of Salluit is the closest community to the project area and is situated along the coast approximately 70 kilometres to the north. Puvirnituq, the largest community on the west side of Nunavik, is located some 190 kilometres to the southwest along the coast of Hudson Bay. Both have airports with daily scheduled flights to Montreal. Heavy cargo is transported to communities by sea-faring ships twice per summer.

There is no road access or any other infrastructure on the Qiqavik property and it is only accessible by helicopter. The 2016 exploration team accessed the project by helicopter from the camp Chukotat on a daily basis. Camp Chukotat (Picture 2) is located approximately 32 kilometres southwest from the center of the Qiqavik property, on the Orford Mining Corporation 100% owned West Raglan property, and is accessible either by helicopter or STOL fixed-wing aircraft. A 256 metres airstrip was constructed 8 kilometres south of the camp Chukotat in 2008 and is still used by Air Inuit’s Twin Otter aircraft. The airstrip was inspected and used during the 2016 program and is considered to be in excellent condition.



Picture 2: Photo of Camp Chukotat looking north.

Cargo for setting up and opening camp are typically shipped by truck from Rouyn-Noranda to LaGrande Airport and then by cargo chartered plane to Purvirnituq. Supplies and personnel are flown from the Abitibi (Rouyn-Noranda Airport) to Puvirnituq by charters and then transported to camp Chukotat airstrip via Air Inuit Twin Otter.

Between 2004 and 2006, an ice road/trail was established and used by the former operator between camp Chukotat and the Northern Village of Salluit for fuel and equipment mobilization during winter months. But this transportation option was abandoned due to safety issues.

Camp Chukotat is located 32 kilometres southeast of the center of the Qiqavik property. The camp has a maximum permitted capacity of 60 people and it is equipped with a kitchen, nursing station, 2 helipads and a 256 metres airstrip located 8 kilometres to the south. The camp is owned and operated by Orford Mining Corporation and only open during field exploration activities.

As previously mentioned, the Qiqavik project site is located approximately 70 kilometres south of the Northern Village of Salluit and approximately 190 kilometres north-east of Puvirnituq. Both communities are situated along the coast and are Inuit-dominated. Both have airports with daily scheduled flights to Montreal, hotel with self-service kitchen, Northern Store and FCNQ Coop to supply all essential needs for local residents, (such as food, furniture, and clothing, but choices and quality can be limited) and healthcare centers with limited services.

4- EXPLORATION HISTORY

Very limited exploration work has been completed to date in the 2017 Qiqavik property area. Furthermore, most of the historical exploration work completed in the area focused on nickel-copper mineralization.

4.1 Early history

The first exploration work recorded in the regional project area dates back to 1931-1932 and consisted mainly of prospecting and regional mapping. This work, performed on behalf of the Murray Mining Corporation, led to the identification of rocks considered favorable for base metals, as well as some nickel-copper mineralized surface occurrences along the Cape Smith Belt. The first recorded magnetic-electromagnetic airborne survey was completed in the mid-1950s.

In the mid-1980s, the Quebec government completed regional mapping of the area at 1:50,000 scale, encompassing the current Qiqavik area. This work led to the discovery of the first mineralized occurrences within the property, the Kovik River occurrences, returning anomalous values up to 0.1 g/t Au, 0.18% As and 1.06% Zn from several samples and suggesting some gold potential (Giovenazzo et al., 1991, MB 91-23).

4.2 Recent history

In 1995-1996, Falconbridge Exploration Ltd owned the mineral exploration licence # 1103, which overlapped with the eastern part of the 2017 Qiqavik property. Reconnaissance mapping led to the discovery of the Gerfaut mineralized occurrences, which are silicified tuffs and cherts hosting disseminated sulfides and stringers of chalcopyrite, pyrite, sphalerite, and galena. Grab samples from these mineralized occurrences returned up to 1.37% Cu, 3.55% Zn, 8.1 g/t Ag, and 0.93% Cu, and 6.40% Zn (GM 54904). This mineralization suggests a base metal potential.

Following this discovery, Falconbridge performed a 10.3 line-kilometres ground magnetic and electromagnetic (MaxMin) survey and drilled a total of 325 metres in 2 holes, Par96-01 and Par96-02 (Figure 4.1, Table 1). A limited amount of information is available in assessment reports (GM 54 904) regarding drilling method and core logging procedures. The crew was based at the Kenty Lake Camp, located approximately 40 kilometres ESE of the drilling sites, and drill cores were stored at this same camp. A helicopter-portable rig was used for drilling. A total of 47 samples were assayed from the core, 11 whole rock samples analyzed for major and trace elements and 36 assay samples analyzed for metals.

Table 1 Summary of 1996 drilling

Hole Number	Northing (Metres)	Easting (Metres)	Elevation (Metres)	Azimuth (Degrees)	Dip (Degrees)	Depth (Metres)
Par96-01	6 826 284	489 238	386	180.0	-50	185
Par96-02	6 826 286	489 431	414	180.0	-50	140
(coordinates in UTM, NAD 83, zone 18, collected at casing with handheld GPS in 2012)					**Total metres**	**325**

Drill hole Par96-01 intersected several zones with high gold values corresponding with pyrite, chalcopyrite and hematite stringer zones in chloritized, carbonate-rich mafic to ultramafic schists. Mineralized intersections of drill hole Par96-01 are summarized in Table 2. In addition, 0.60m returning 0.87 g/t Au was also intersected in drill hole Par96-02.

In 1997, Exploration Boréale Inc. signed an option agreement granting the possibility to acquire 51% of interest in Falconbridge's property. In 1998, SOQEM signed an option agreement with Boréale Exploration giving them the possibility to acquire 50% of Boréale's interest in the property. The same year, 374 line-kilometres of an airborne magnetic-electromagnetic survey was flown at a 200 metres line-spacing, which highlighted two clusters of conductivity anomalies associated with magnetic highs. Those are interpreted to be somewhat continuous over several kilometres and sub-cropping.

Table 2 Mineralized intersections from drill hole Par96-01

From (m)	To (m)	Length (m)	Au (g/t)	Ag (g/t)
82.36	83.00	0.64	5.19	4.8
103.42	104.00	0.58	4.45	5.4
104.57	104.91	0.34	4.8	5.3
110.00	111.35	1.35	15.18	20.7
112.00	113.40	1.40	0.96	1.3

(Length is apparent thickness measured along the core.)

The 1998 exploration program also involved a one week prospecting program, including the collection of 98 grab samples, and the re-sampling (67 samples) of the two previous Falconbridge drill holes. This re-sampling extended the mineralized interval in DDH Par96-01 to 10.5m (between 102.9 and 113.4 metres) at 3.08g/t Au, including 1.1m at 5.45 g/t Au, 0.59% Zn and 3.4m at 6.79 g/t Au and 0.37% Zn. This additional sampling suggests that gold mineralization is not only restricted to quartz veins, but extends within the matrix of the host rock and is closely associated with silicification and arsenopyrite. Some grab samples returned gold values up to 1.85 g/t Au, up to 5.5 kilometres west of the main Gerfaut mineralized occurrence, along the same magnetic high.

From 2003 to 2012, Anglo American Exploration Canada Ltd and Goldbrook Ventures Inc., focusing on nickel, copper and PGE exploration, completed extensive exploration work in the western part of the Cape Smith Belt. Only a limited amount of work overlapped with the current Qiqavik property. In 2004, Goldbrook Ventures, as part of their regional Raglan project, flew an extensive magnetic-electromagnetic AeroTEM airborne survey at 200 metres line-spacing. Part of this survey overlapped over 60 claims (24.6 km^2) in the southeast extremity of the current Qiqavik property. I

n 2005, Anglo American flew a 325 line-kilometres magnetic-electromagnetic Spectrem airborne survey at 200 metres line-spacing over their Lac Belleau project. This survey encompassed 124 claims (51 km^2) in the western part of the current Qiqavik property. In 2005, Anglo American flew another magnetic-electromagnetic Spectrem airborne survey at 200 metres line-spacing over their Spartan project, which overlapped with 14 claims (5.8 km^2) in the north-east extremity of the current Qiqavik property (Figure 4.1). Those surveys generated good quality and valuable geophysical data.

All other exploration work completed by Anglo American and Goldbrook Ventures, including ground geophysics, till and soil sampling, prospecting, mapping and drilling and borehole EM survey were located dominantly outside of the limits of the current Qiqavik property and will not be described in the current report. The historical work on the Qiqavik Property is summarized in Table 3.

In 2011, Les Ressources Tectonic acquired 10 claims covering the main Gerfaut mineralized occurrences. The property was granted for option to Corvus Gold Inc and expanded in 2012. The same year, Corvus Gold completed an exploration program including till sampling, soil (MMI) sampling, and rock sampling. The 2012 program led to the identification of 6 Au, Ag, Sb, Te, Bi soil/till anomalies plus 7 mineralized (Au) rock samples grading up to 23.6 g/t Au from new occurrences (Figure 4.1). Both rock samples and till/soil sampling anomalies stretched 12 kilometres along strike of a magnetic high spatially coincident with conductor trends identified by the 1998 SOQEM work.

The 2012 program also highlighted 2 base metal mineralized occurrences, one returning up to 3.88% Cu and 13.15 g/t Ag in frost heaves boulders of chloritized basalts with 15% chalcopyrite in veinlets and the second returning up to 1.82% Cu and 0.74% Ni in sub-in-place boulders of ultramafic rock with 20% disseminated pyrrhotite-chalcopyrite. These results suggested base metal and gold potential for the area. However, Corvus Gold relinquished the option in 2013 to focus on more advanced projects elsewhere. The 5 claims covering the original Gerfaut mineralized occurrences lapsed and were staked by Wayne Holmstead in 2015.

Table 3a shows the summary of the exploration history of the Qiqavik property and Table 3b shows the summary of the exploration history of the Parent property. Figure 4.2 shows a map of the historical exploration work on the Parent property.

Table 3a: Summary of the exploration history of the Qiqavik property

Year(s)	File #	Company (ies)	Covered area	Description of Work
1931-32 & 1955 to 57	GM 05261; 10049	Murray Mining Corp	Regional survey including 2017 Qiqavik property	Regional prospecting, leading to the identification of a significant base metal (Ni-Cu) potential.
1957	GM 10449	Spartan Air Services for different claims holders	Regional survey including the western part of 2017 Qiqavik property	Airborne Electromagnetic survey
1969	GM 26479	Amax Exploration Inc.	Eastern half of 2017 Qiqavik property	Magnetic-Electromagnetic airborne survey
1985-86	DP-85-15; DP-85-29; ET-87-07; ET-87-08	MERNQ	Regional area including the 2017 Qiqavik property	Regional mapping and sampling
1995-96	GM 54299; 54904	Falconbridge Ltd	Eastern part of the 2017 Qiqavik property, including the Gerfaut Block	Ground geophysics including 10.3 line-km of magnetic and HLEM (MaxMin) surveys Prospecting, leading to the discovery of Gerfaut mineralized occurrences returning 1.37% Cu, 3.55% Zn, 8.1 g/t Au and 0.93% Cu, 0.16% Pb, 6.4% Zn and 10 g/t Au in grab samples Two DDH totaling 325 metres, Par-96-01 several zones with high gold values including 1.35m of 15.18 g/t Au and 20.7 g/t Ag between 110.0 and 111.35m
1998	GM 56129; 56130	Boréale Exploration SOQEM	Eastern part of the 2017 Qiqavik property, including the Gerfaut Block	Magnetic-Electromagnetic airborne survey including 374 line-km at 200 metres spacing Prospecting with grab sample returning 1.8 g/t Au at 5.5 km West of known mineralization Resampling of Par-96-01 extending the mineralized interval to 10.5 metres at 3.08 g/t Au
2001	GM 60770	Noranda Inc.	Regional survey including eastern half of 2017 Qiqavik property	Follow up on hyperspectral survey No significant results inside the overlapping area with Qiqavik property
2005	GM 62230; 62231	Anglo American Expl.	Survey of former AA's Lac Belleau property covered 51km^2 (124 claims) in western part of 2017 Qiqavik property Survey of former AA's Spartan property mainly outside but covered 5.8km^2 (14 claims) in the NE extremity of 2017 Qiqavik property	Spectrum Magnetic-Electromagnetic survey, 200 metres line-spacing
2004-2012	GM 61397; 62809; 63002; 63003; 63073; 64052; 67489	Goldbrook Ventures inc Anglo American Expl. Jan Nunavik Ltd	Very large project including many properties Only former Nuvilik property partially overlapped with 2017 Qiqavik property over 25km^2 (60 claims) in SE part	Only magnetic-electromagnetic AeroTEM airborne survey and limited prospecting work overlapped with the 2017 Qiqavik property Other work completed outside of the 2017 Qiqavik property and not relevant to this report, included ground geophysics, soil-till-moss mat sampling, prospecting-mapping-rock sampling, drilling and BHEM
2012	GM 68176	Les Ressources Tectonic inc Corvus Gold Inc.	Current Gerfaut block in Qiqavik property	A 2-week field program including till samples (688 samples), soil MMI sampling (559 samples) and rock sampling (155 samples) 7 new mineralized occurrences and/or boulders identified and grading up to 23.6 g/t Au 6 Au anomalies identified in till

Table 3b: Summary of the exploration history of the Parent property

Year(s)	File #	Company (ies)	Covered area	Description of Work
1989	ET 87-08	MRNF	Regional area including the 2017 Parent property	Regional mapping and sampling
1991	ET 88-09	MRNF	Regional area including the 2017 Parent property	Regional mapping and sampling
1989	ET 87-10	MRN	Regional area including the 2017 Parent property	Regional mapping and sampling
1996	ET 91-06	MRN	Regional area including the 2017 Parent property	Regional mapping and sampling
2005	GM61810	Canadian Royalties	Covered Richard and Dryden overlap with 2017 Parent Property	Prospecting on these properties, grab samples returned anomalies sin Ni, Cu, Pt, Pd and Au
1991	MB9123	MERQ	Kappa, Lac Gossan, and Parent Showings which are on the 2017 Parent property	Prospecting returned anomalous results in Cu and Au
2014	GM68480	Azimut	Qassituq property to the East of Parent, however compilation includes data on Parent	Compilation on exploration in the area of Qassituq Ni-PGE Propert, which includes compilation over Parent Property

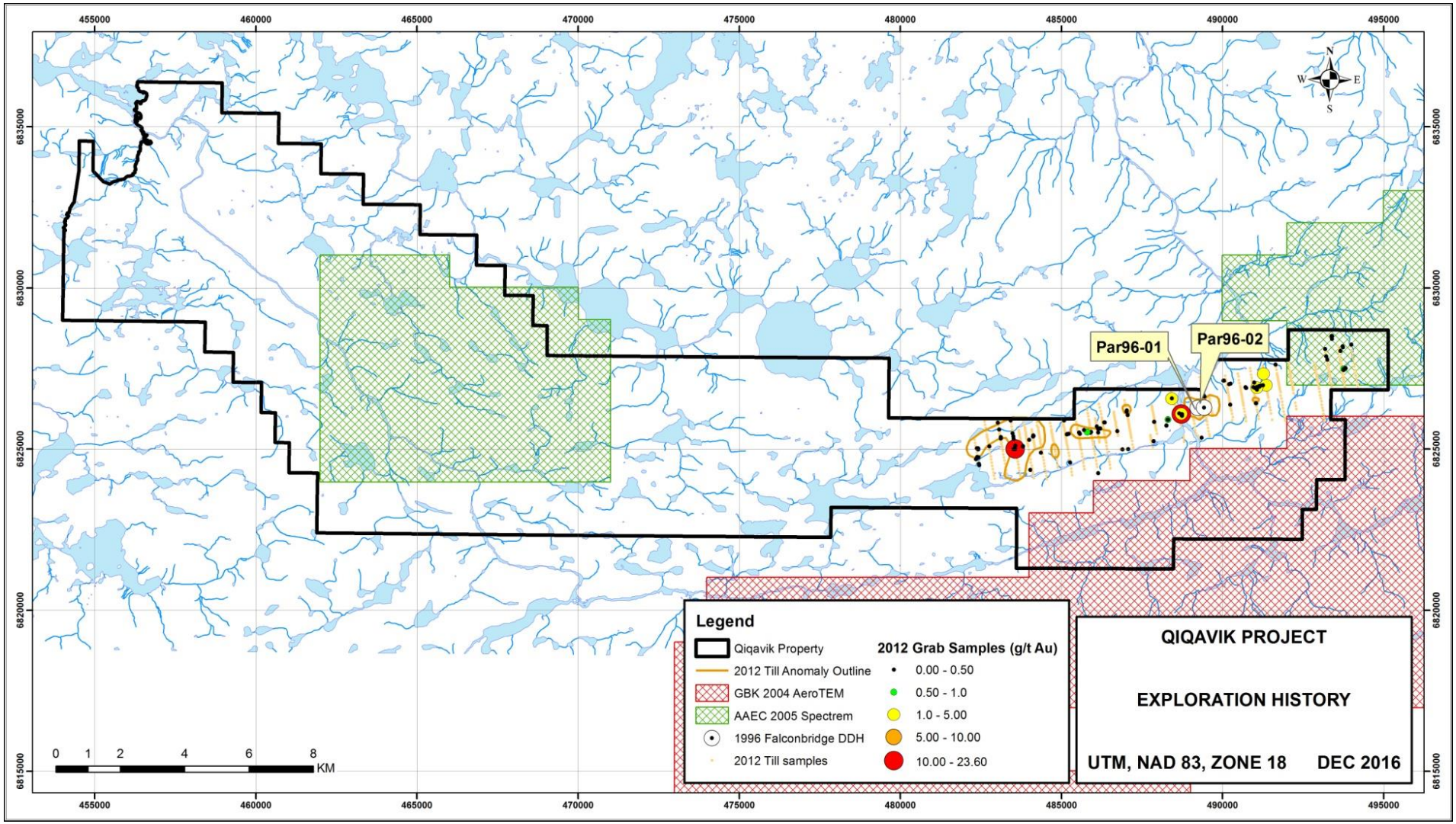


Figure 4.1 Map of the historical exploration work on Qiqavik property

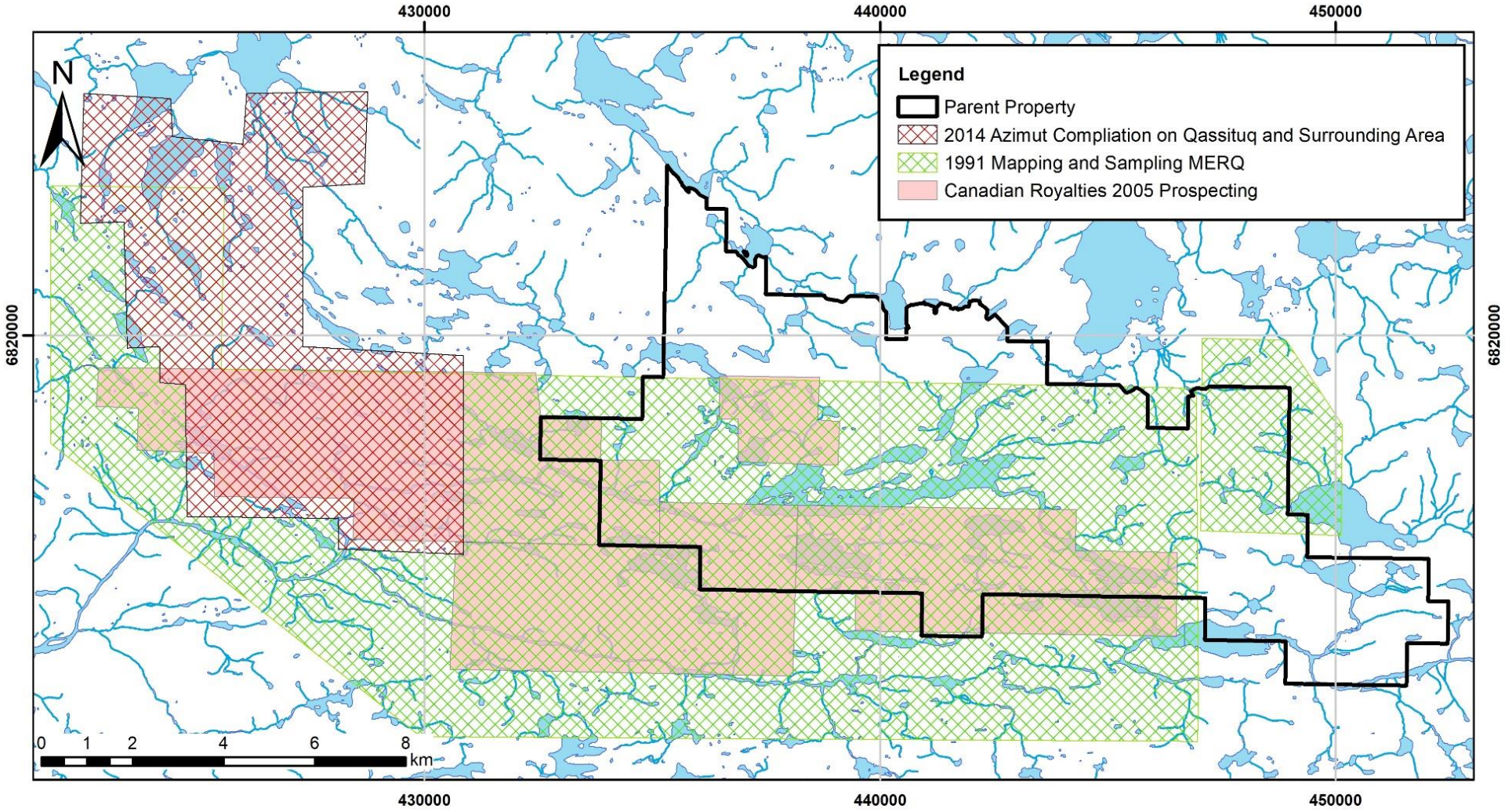


Figure 4.2 Map of the historical exploration work on Parent property

5- GLACIAL GEOLOGY

The overall dispersal of rock debris in the Cape Smith Belt is related to a major phase of ice flow associated with an ice divide extending along a NW-SE axis between Ivujivik and Lake Nantais. This represented the northern extension of the New-Quebec ice divide during the last glaciation (Daigneault, 2008). The Qiqavik property is located to the North-East of this ice divide, and the main ice flow direction in this area is toward NNE (Figure 5.1).

Two other ice flow phases preceded the main one, the first being associated with radial ice flow from a centre North of the Monts Puvirnituq, and a second which moved outward from a dispersal centre farther South, probably corresponding to the Payne dispersal centre (Daigneault, 2008).

Observations made by Orford field geologists during the 2017 field season on the Qiqavik property confirmed the general ice direction shown in previous studies.

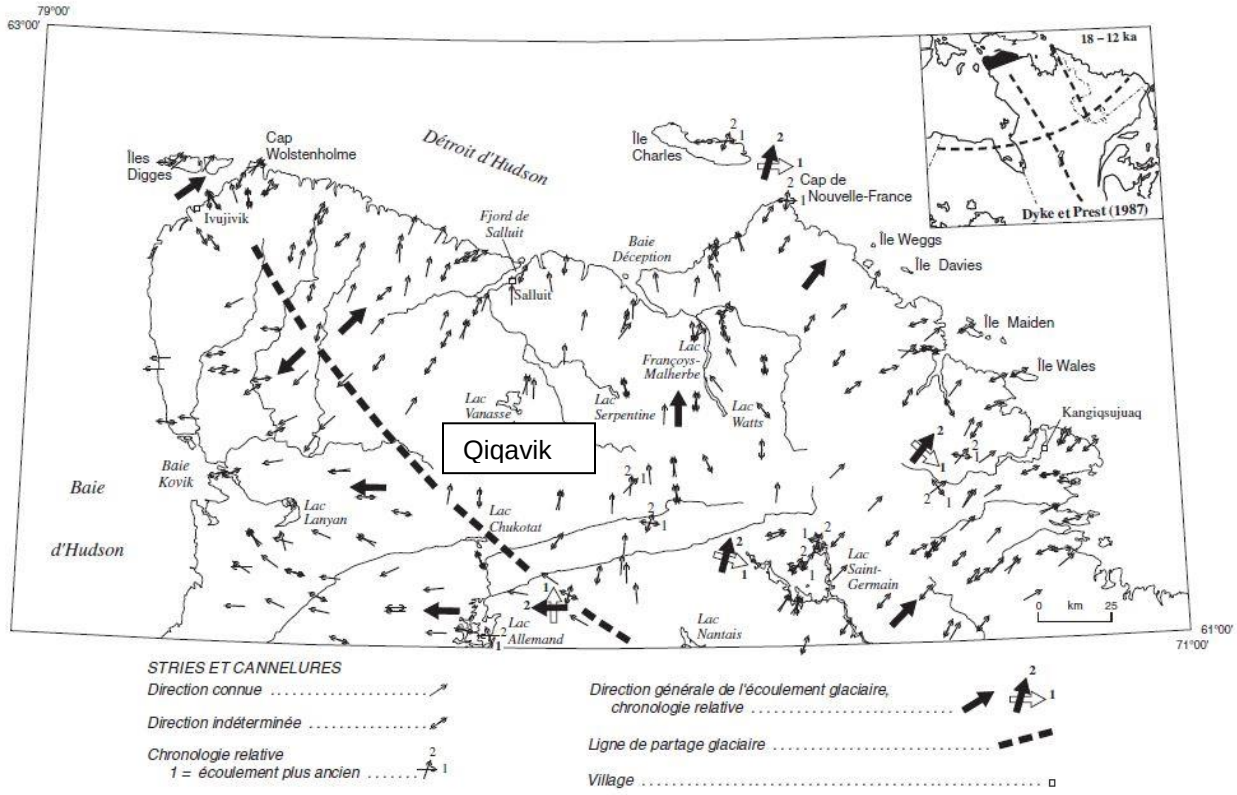


Figure 5.1 Map showing ice flow direction in the Ungava peninsula (Daigneault, 2008)

6- GEOLOGICAL SETTING AND MINERALIZATION

6.1 Regional geology

The Qiqavik & Parent properties are located in the West-central portion of the paleo-proterozoic Cape Smith Belt (CSB), which is part of the Circum-Superior magmatism event which formed a ring around the Archean Superior Craton (Figure 6.1). The Cape Smith Belt, also known as New-Québec Orogen, consists of volcano-sedimentary and plutonic series or rocks grouped into main lithostratigraphic domains, the North and the South Domains which are divided by the Bergeron Fault.

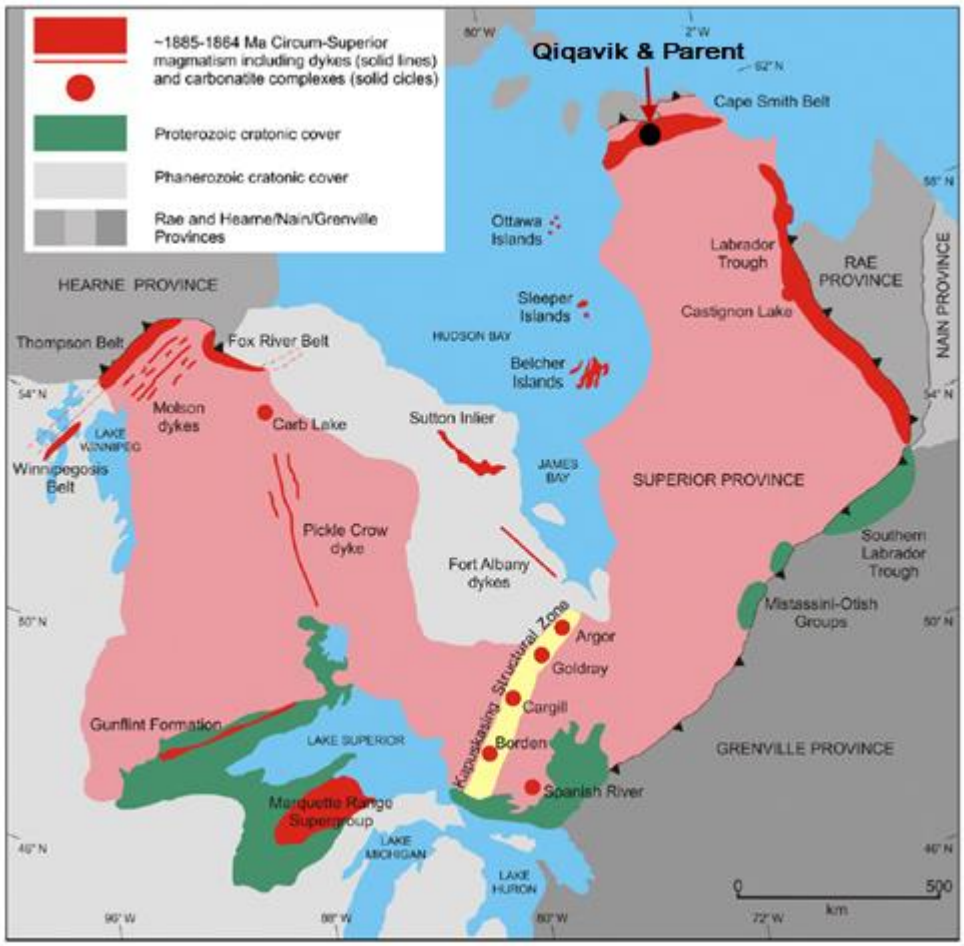


Figure 6.1 Geological map showing the disposition of the Circum-Superior Belt.
(Modified from Minifie et al. 2013, after Baragar and Scoates 1987)

The Qiqavik & Parent properties sit in the North Domain (Figure 6.2) which consists of 3 main groups; the volcano-plutonic Watts Group (1999 Ma) interpreted as an old ophiolite (Scott, 1990; Scott and al., 1991), the volcano-sedimentary Parent Group (1898-1860 Ma) and the sedimentary Spartan Group. The Qiqavik property is mostly included in the Parent Group dominated by pyroxene and plagioclase phyric basalts and basaltic to andesitic pyroclastics interlayered with thin clastic sediment bands (Picard et al., 1990, 1993; Picard, 1995). Few mafic to ultramafic sills as well as dioritic to tonalitic post-tectonic intrusives, collectively referred as the Cape Smith Suite, intruded this volcano-sedimentary package.

The rocks of the South and North Domains were deformed by three different events, all included in the Trans-Hudsonian Orogen (Picard, 1995), which is one of the most significant paleo-proterozoic orogenic belts (Lamothe, 2014). The rocks of the Parent Group are metamorphosed from the upper greenschist to lower amphibolite facies.

The North Domain of the Cape Smith Belt shows some similarities with the Reindeer Zone located at the western limb of the Trans-Hudsonian Orogenic Belt, where the Flin Flon Mining Camp is well known for its VMS mineralization (Lamothe, 2014). Relics of the ocean floor (2.07 to 1.92 Ga) similar to the Watts Group (Corrigan et al., 2007) occur in the Glennie-Flin Flon Complex and in the La Ronge - Lynn Lake belts. Thick series of calc-alkaline felsic to mafic lavas and volcanoclastics associated with arc magmatism are characteristic of these areas, which host a significant amount of orogenic gold mineralization, such as in the La Ronge Belt (Corrigan et al., 2007). Gold mineralization has also been observed in the Labrador Trough, located in the Eastern segment of the Trans-Hudsonian Orogenic Belt. Although little to no gold exploration has been completed to date in the Cape Smith portion of the belt, these observations may suggest a prospective environment for gold mineralization and exploration, more particularly in the North Domain.

The South Domain of the Cape Smith belt is well known for its nickel-copper-PGE mineralization associated with ultramafics, with two active mines in the eastern part of the Cape Smith Belt, the Raglan Mine owned by Glencore and the Nunavik Nickel Mine owned by Canadian Royalties.

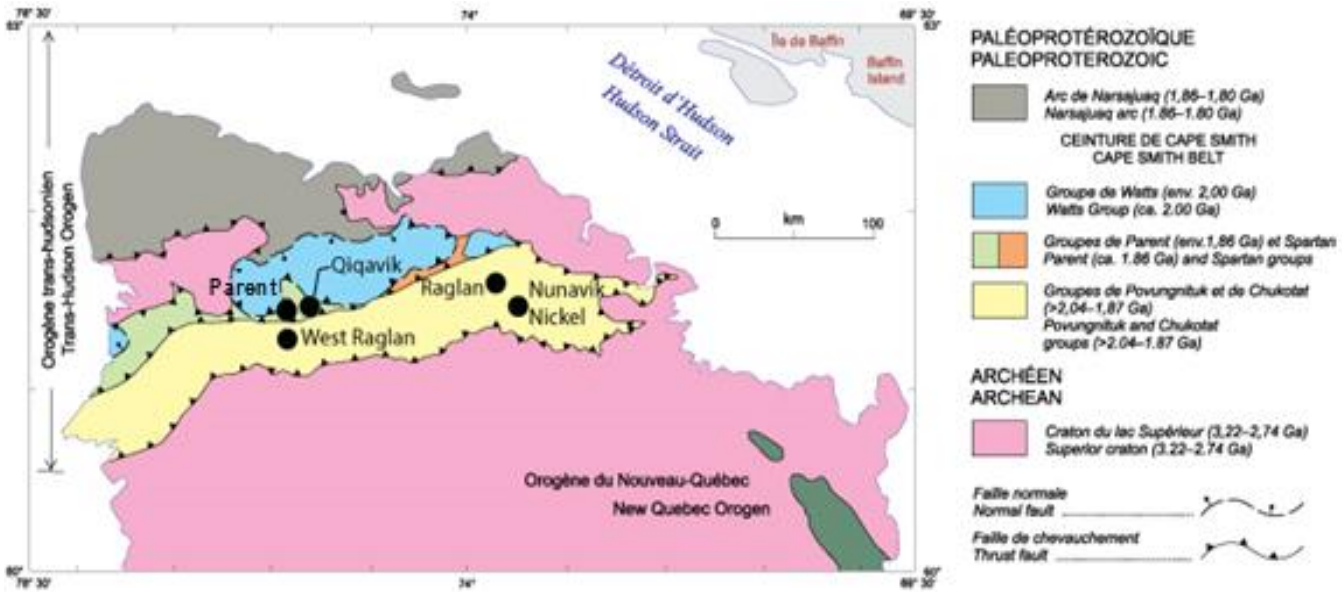


Figure 6.2 Regional map of the Cape Smith Belt
(showing the Qiqavik and Parent property in the Parent Group of the Northern Domain)
(Modified from St-Onge et al. 2006)

6.2 Local Geology

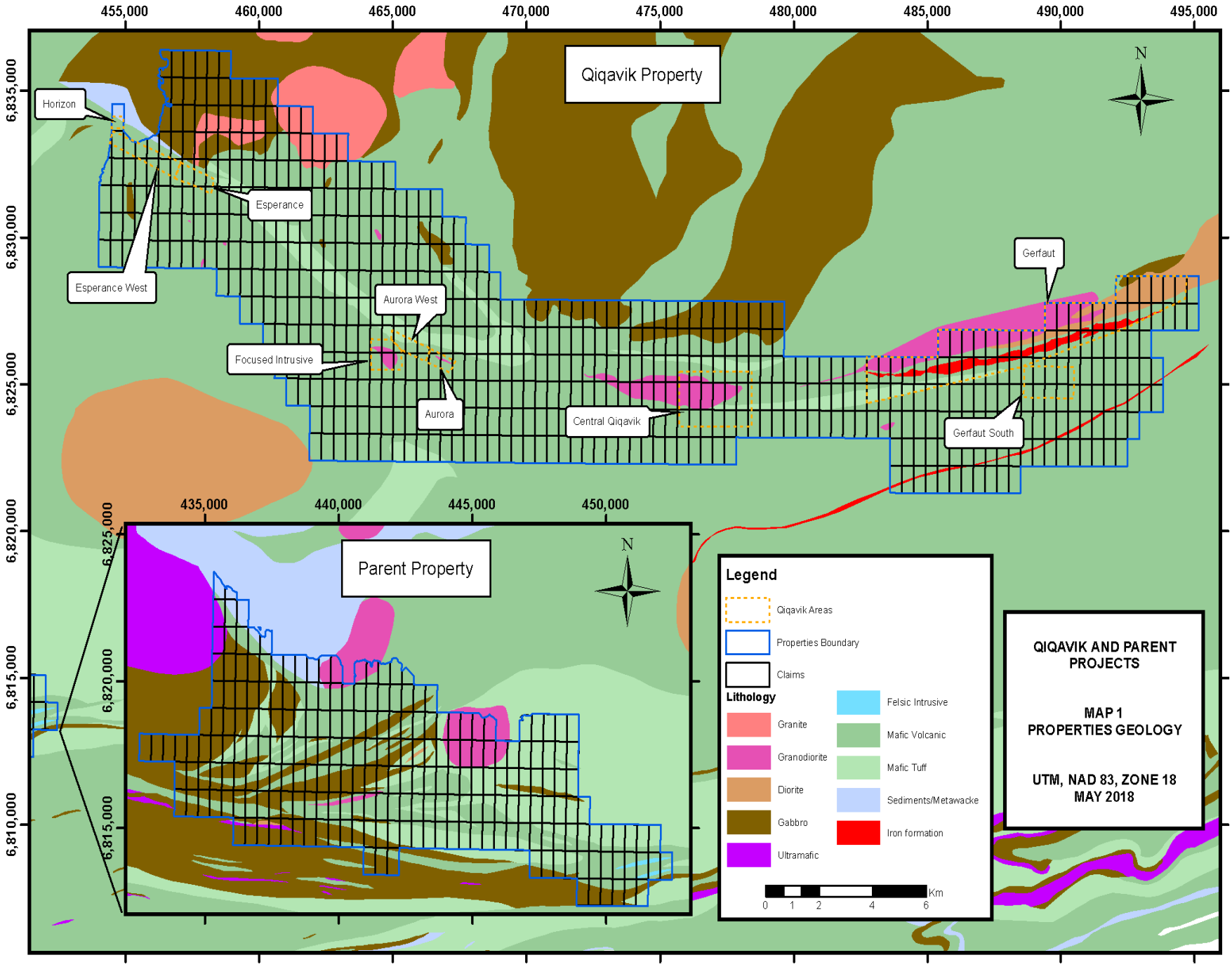
The Qiqavik property extends over 42 kilometres east-west in the Parent Group of the North Domain of the Cape Smith Belt. The stratigraphy trends mainly East-West in the central and Eastern parts of the property, and trends approximately WNW-ESE in the Western part (Map 1).

The southern portion of the property is mainly composed of massive and pillowed basalts in alternation with thick sequences of mafic lapilli and/or blocky volcanoclastics. Some of these horizons are strongly schistose with a strong chloritic alteration. In the northern portion of the property, the plagioclase phyric basalts are common, with minor amygdaloidal basalts. The composition of the basalts is tholeiitic to calc-alkaline (Lamothe, 1994; Picard, 1995). Some intermediate to felsic fine grained to blocky volcaniclastics horizons occur, mainly observed in the central portion of the western part of the property (Map 1). Minor interflow sediments, as well as cherty iron formations, are observed through the sequence. Fine to coarse grained gabbro intruded the volcano-sedimentary package in the North and North-Western parts of the property. Those gabbros are most likely related to the Cape Smith Suite.

The southern portion of the property is mainly composed of massive and pillowed basalts in alternation with thick sequences of mafic lapilli and/or blocky volcanoclastics. Some of these horizons are strongly schistose with a strong chloritic alteration. In the northern portion of the property, plagioclase phyric basalts are common, with minor amygdaloidal basalts. The composition of the basalts is tholeiitic to calc-alkaline (Lamothe, 1994; Picard, 1995). Some intermediate to felsic fine grained to blocky volcaniclastics horizons occur, mainly observed in the central portion of the western part of the property (Map 1). Minor interflow sediments, as well as cherty iron formations, are observed through the sequence. Fine to coarse grained gabbro intruded the volcano-sedimentary package in the North and North-Western parts of the property. Those gabbros are most likely related to the Cape Smith Suite.

The Qiqavik property is cut by E-W to WNW-ESE south-verging thrust faults, delineating multi-kilometric thrusting slices. These faults are expressed as major deformation corridors, such as the Lake Belleau fault system (Giovenazzo et al., 1991; Tremblay, 1989), which roughly follows the Kovik River canyon. They are characterized by chlorite-actinolite schists, with numerous carbonatized and hematized altered zones, as well as numerous quartz and quartz-carbonates veins and veinlets.

The Parent property extends approximately 20km E-W in the most eastern part of the Parent group, where it pinches out into the Watts Group. It is located immediately to the North of the Bergeron fault. The property contains a package of phenocrystic basalts (Pyroxene and plagioclase), lapilli tuffs, pumice and epiclastic interstratified tuffs with horizons of of mudstone and siltstone (Map 1). In the most southern and eastern parts of the property, these units are intruded intermittently by gabbros, and ultramafic rocks. The Parent property hosts several parallel, approximate E-W stacked thrust fault which turn slight toward the north in the most western part of the property ((Giovenazzo et al., 1991).



Map 1 Geological map of the Qiqavik and Parent properties (Appendix 4)

6.3 Mineralization

A total of 8 main significant mineralized areas have been discovered to date on the Qiqavik property. The following 6 (West to East) were the focus of the 2017 Mapping Program: Horizon, Esperance, Focused Intrusive, Aurora, Central Qiqavik and Gerfaut & Gerfaut South (Map 1).

The Parent property is still poorly explored and no major mineralized area was discovered by Orford Mining Corporation. Several mineralized showing of Cu-Au-Zn, As-Au and Cu-Zn were discovered in the past by the 'Ministère de l'Énergie et des Ressources' in the 90's and were the focus of the 2017 Mapping Program (Figure 6.7).

6.3.1 Esperance & Horizon Area:

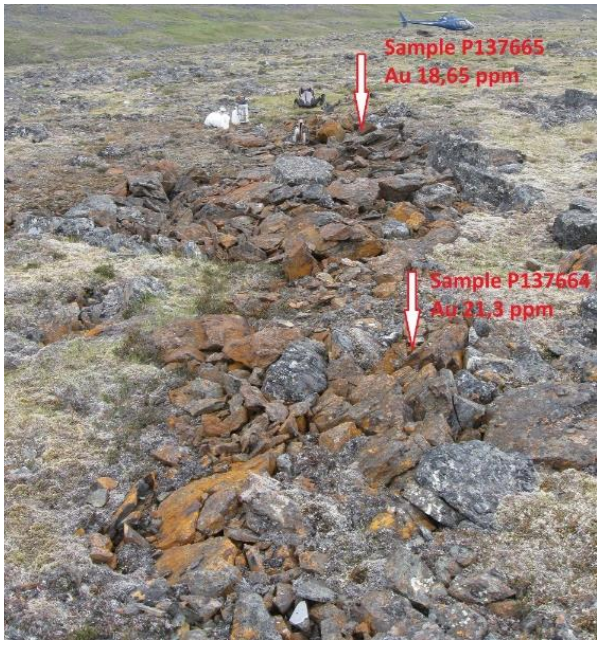
The Esperance mineralized zone was discovered in summer 2016 by field mapping in the north-western extremity of the Qiqavik property (Map 1). The area is dominated by pillowed basalts, interlayered with some massive and volcanoclastic horizons, including breccias, lapilli and blocky tuffs dominated by chlorite alteration associated with regional greenschist metamorphism (Figure 6.3). These rocks are intruded by plagioclase phyric and plagioclase+quartz phyric felsic intrusives and gabbroic sills, affected by E-W and WNW-ESE trending sheared zones.

High-grade Au +/- Ag +/- Cu mineralization in the Esperance zone is associated with a high abundance of sulphide mineralization which occurs for over more than 500 metres (traced at surface) along an ENE-WSW shear zone (Figure 6.3). Several boulders sampled west of the occurrence returned up to 7.7 g/t Au and up to 10.3% Cu, suggesting the mineralized zone may extend over more than 900 metres to the West. Mineralization in the Esperance area has mainly been observed in boulders, boulder fields and frost heave (Picture 3*a*), and locally in outcrops. Mineralization consists of disseminated to massive arsenopyrite in sheared mafic volcanics (Picture 3*b*), disseminated to massive arsenopyrite and chalcopyrite in sheared mafic intrusives, auriferous pyrite and chalcopyrite quartz veins and auriferous pyrite-bearing schists. The best gold and copper values from the Esperance area from the 2017 exploration work are listed in Table 4.

Drilling at Esperance in 2017 has confirmed the presence of the mineralized shear zone in the subsurface (see Section 9.3.1).

The Esperance West area was prospected in 2017. Mineralization in the Esperance West area extends westerly from the Esperance Zone along a WNW-trending shear zone to the western limit of the property. Mineralization consists of greenschist alteration assemblages; chlorite+-sericite-calcite shear zone associated with quartz veins that may contain galena +/- pyrite, +/- arsenopyrite, +/-chalcopyrite +/-malachite. Proportions of these minerals vary along the shear zone. Several boulders returned up to 6.69 g/t Au and up to 3.56% Cu showing a continuation of the gold mineralization associated with copper to the West (Figure 6.3).

The Horizon area was discovered late in the 2017 exploration program. Mineralization in the Horizon area occurs in sheared quartz and ankerite +/- fuchsite veinlets that may contain pyrite +/- chalcopyrite in green schist rock grading to amphibolite to the north. A channel sample (sample Id 67055) returned 5.62 g/t Au with 0.38% Cu over 90 cm in a quartz-ankerite +/- fuchsite stockwerk of 7.7 metres thickness on a outcrop. Mineralization from the Horizon area seems different than the Esperance mineralization and is on a different structure trend then the one found at Esperance.



Picture 3a) Boulder field in Esperance area

Boulder field in Esperance area where samples P137664 (21.30 g/t Au) and P137665 (18.65 g/t Au) were collected



Picture 3b) Sheared basalt with disseminated and massive arsenopyrite

Sheared basalt with disseminated and massive arsenopyrite and some felsic breccia in shear (Sample P137659: 9.65g/t Au, 1.18% Cu)

Table 4: List of 2017 samples returning highest gold values in Esperance and Horizon area

Sample	UTM E	UTM N	Sample Type	Au (g/t)	Ag (g/t)	Cu %	Area
67039	457510.94	6831922.61	Subcrop	15.01	5.4	0.96	Esperance
66385	454672.36	6832914.28	Outcrop	6.68	8.8	0.91	Esperance West
66526	456040.11	6832757.89	Boulder	6.09	15.6	3.01	Esperance West
67055	454870.00	6833844.00	Channel	5.62	4.5	0.38	Horizon
66279	456171.89	6832418.10	Subcrop	4.85	11.7	2.44	Esperance West
66263	456816.04	6832850.41	Subcrop	3.4	55.3	0.5	Esperance West

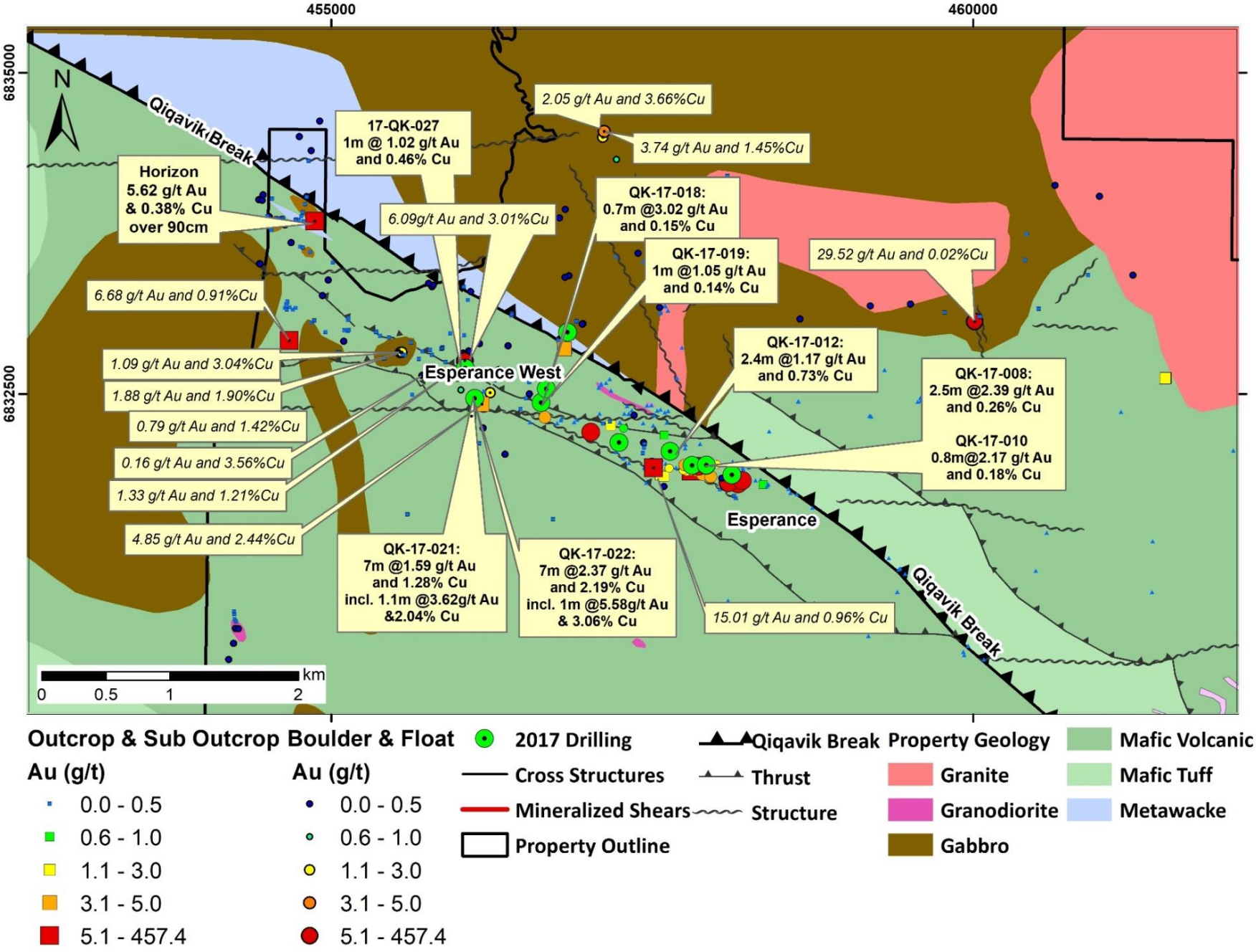


Figure 6.3 Esperance geological map – surface rock samples with significant grade Au +/- Cu.

6.3.2 Aurora Area & Focused Intrusive:

The high-grade gold mineralization in the Aurora area was discovered in the summer of 2016 by field mapping. The Aurora area is located in the western part of the Qiqavik property (Map 1). It consists of a fine-grained felsic intrusive trending WNW-ESE over at least 600 metres, with an apparent width of 75 metres and dipping to the North. The Aurora granite is composed of feldspars-quartz- biotite with 1% sulphides (mainly pyrite). It is bounded to the south by a thick basalt sequence and to the north by felsic-intermediate volcanoclastics, sediments and basalts which have been altered to greenschist facies assembledges (Figure 6.4 and Picture 4). The south contact with basalt is affected by metasomatic carbonate and fuchsite alteration. Felsic dykes were observed to the East and to the West of the Aurora granite, as well as at its northern contact. These dykes are typically whitish microgranites with 1 mm porphyritic feldspars in a very fine grained felsitic matrix, ranging from centimetres to 1 metre in apparent thickness. The granite contains up to 1-2% disseminated sulphides. A second type of felsic dyke, less common, consists in blackish porphyry rhyolite dykes, composed of 15% porphyritic plagioclases and 1-2% small quartz eyes in a translucent dark grey groundmass.

Pale to dark grey, fine-grained to microcrystalline quartz veins and veinlets, up to 29 centimetres thick, containing from trace to 7% sulphides plus some visible gold occur in various parts of the Aurora granite. Some veins are zoned and/or laminated. Sulphides include pyrite, pyrrhotite, chalcopyrite, galena, sphalerite, and localy arsenopyrite (Picture 5). These veins are oriented parallel to the length of the granite, dipping to the North (45 to 75 degrees).

The Aurora area is located in a boulder field and outcrops of the mineralized zone are rare. However, numerous veins were observed in outcrop and sub-crop boulders, although their density and distribution still needs to be determined.

High-grade gold assays were obtained from quartz vein samples distributed over an extent of approximately 200 metres east-west (Figure 6.4). These gold bearing quartz veins contain sulphide mineralization and are anomalous in Ag, As, Bi, Pb, Sb, Zn and W. The best gold analyses from the 2017 exploration work in Aurora area are given in Table 5.

Drilling at Aurora in 2017 has confirmed the presence of the mineralized quartz veins in the subsurface (see Section 9.3.2). Consistent with observations at surface, visible gold in quartz veining has also been observed in drill core in drill hole QK-17-009.

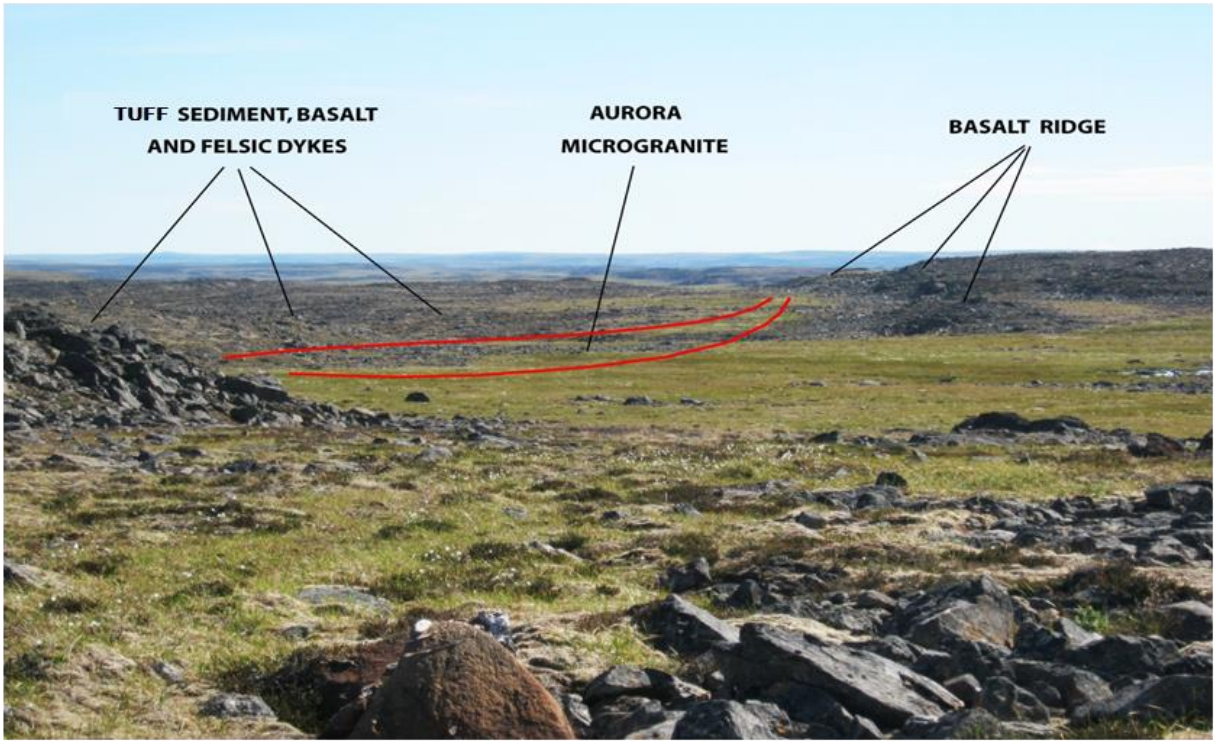
The Aurora West area was prospected in 2017 (Figure 6.4). The WNW-trending shear zone that extends to the West of the Aurora gold zone is observed for 1.6km in outcrops and sub-crops. It consists of a northerly dipping (70-90º) and Az 285º to 300º striking chlorite+-sericite-calcite shear zone associated with quartz veins that may contain galena +/- pyrite, +/- arsenopyrite. Proportions of these minerals vary along the shear zone.

The shear zone may correspond to a splay of a thrust zone or alternately, could represent a structure developed at a different timing. A parallel shear zone is located approximately 100 m to the south of the shear zone described above. It measures up to 20 metres thick. No significant veining has been observed so far in association with this southern structure.

The WNW shear zone of the Aurora West Extension may cross-cut or be cross-cut by a shallow thrust oriented N255/43 and showing sinistral-reverse sense of movement (464907 mE/6826277 mN). The results of the detailed drone magnetic survey and additional data collection may help interpreting this relationship.

The Focused intrusive, a fine to medium-grained granite, outcrops and subcrops over an area approximately 1 km East-West by 540 meters North-South. Many quartz vein boulders of proximal source with polymetallic sulphide mineralization were found in 2017 at the eastern contact zone of the intrusive with basalt. Boulders are scattered over a 400 meters NNE-SSW trend, discovered during the two last days of the 2017 field campaign. A till anomaly grading 0.38 g/t Au (S728667) was detected in 2016 over the granite, 200 meters NW of the boulders.

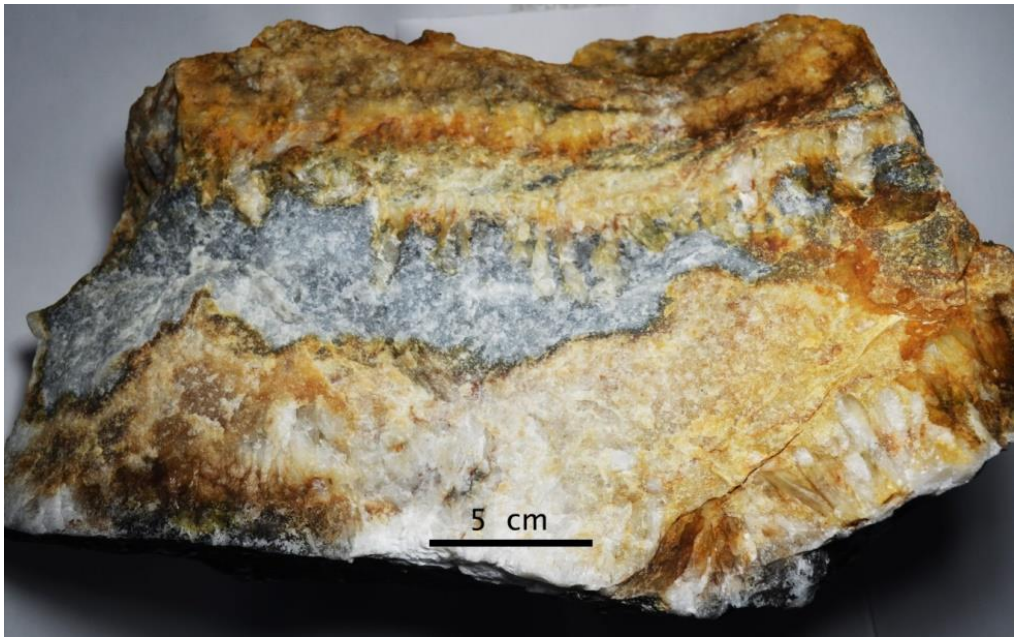
Veins are banded and show comb structures and voids (Picture 6). The mineralization and structures indicate multiple void filling events by mineralized fluids in an extension system. Central part of many veins contains strong arsenopyrite mineralization (Pictures 6 and 7-a), while margin parts contains As, Sb +/- Cu-Pb-Zn-Ag mineralization (Picture 7-b). The mineralogy of the veins need to be precised by petrographical studies.



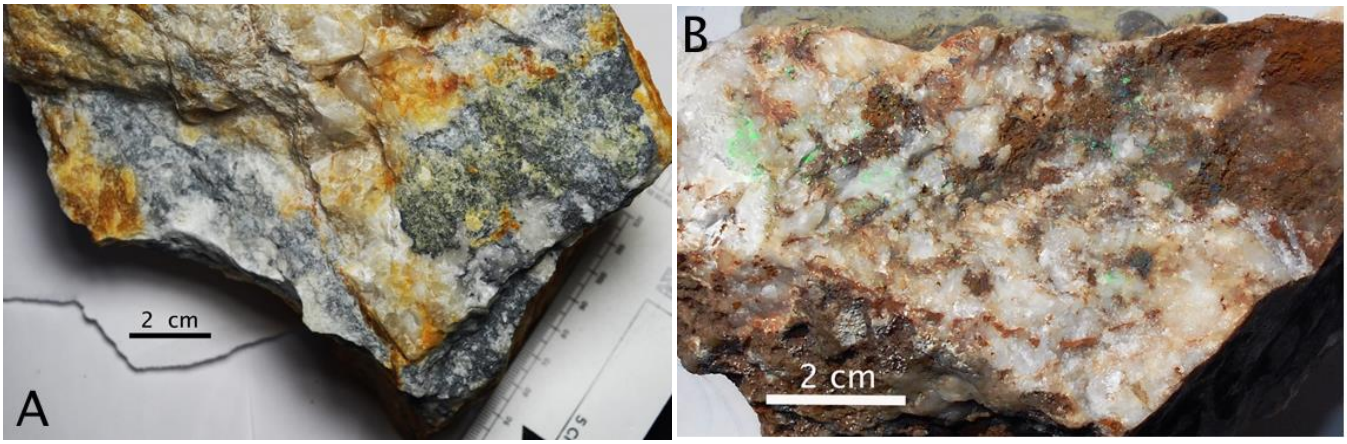
Picture 4: Field view of the Aurora area, looking to SE



Picture 5: Sample P132942 showing mineralized quartz vein parallel to granitic body (34.8 g/t Au and 45.0 g/t Ag)



Picture 6: Sample 66961, banded quartz vein with quartz comb structures.
Quartz-arsenopyrite filling central part of vein. Eastern contact zone of the Kovik granitic intrusive with basalt (0.22 g/t Au and 0.27% As).



Picture 7A: Samples 66959, Quartz-Arsenopyrite layers in central part of vein.
(0.48 g/t Au and 0.85% As).

Picture 7B: Sample 66960, As, Sb +/- Cu-Zn-Pb-Ag mineralization at margin of vein.
(0.38 g/t Au, 0.7% As and 34 ppm Sb),

Table 5: List of 2017 samples returning highest gold values in Aurora and Focused Intrusive area

Sample	UTM E	UTM N	Sample Type	Au (g/t)	Ag (g/t)	Area
66898	465949.00	6826086.81	Boulder	457.36	68.9	Aurora
66899	465946.64	6826089.43	Boulder	112.13	19.9	Aurora
66780	465936.66	6826083.78	Boulder	31.33	7.5	Aurora
66893	465942.61	6826084.83	Boulder	24.93	6.6	Aurora
66895	465945.39	6826088.70	Boulder	23.49	69	Aurora
66782	465935.24	6826083.05	Boulder	22.7	3.6	Aurora
66894	465942.16	6826084.09	Boulder	16.14	12	Aurora
66901	465944.25	6826090.38	Boulder	15.47	4.7	Aurora
66754	465060.70	6825920.39	Boulder	8.93	3.9	Focused Intrusive
66781	465940.50	6826086.71	Boulder	7.17	30.3	Aurora
66773	465188.05	6825835.19	Boulder	4.25	1.3	Focused Intrusive
66897	465947.08	6826089.62	Boulder	3.03	3.9	Aurora

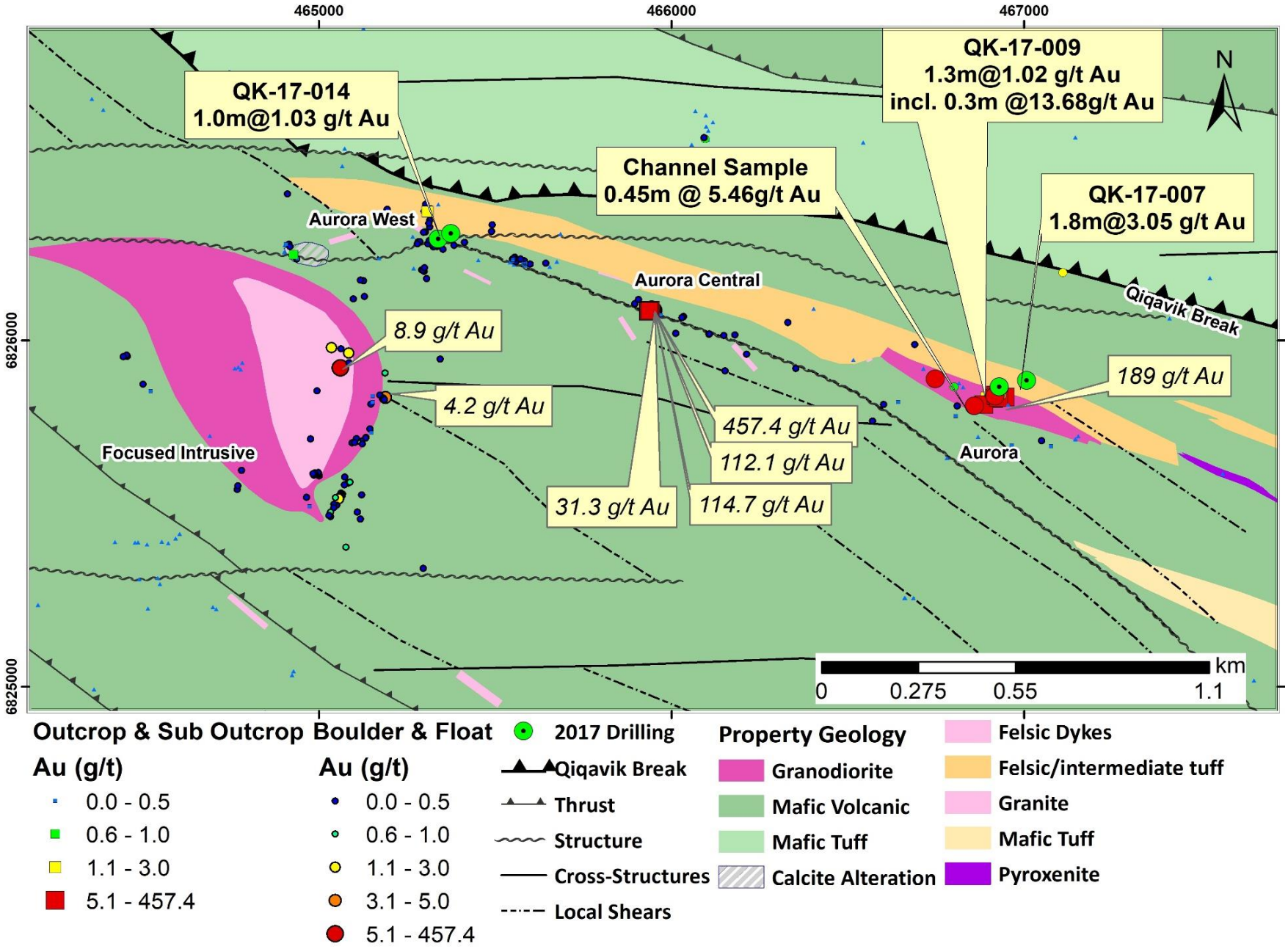


Figure 6.4 Aurora geological map showing surface rock samples with significant grade Au +/- Cu

6.3.3 Central Qiqavik

The Central Qiqavik area is located approximately 5 kilometres west of the western limit of the Gerfaut trend, in the central portion of the Qiqavik property (Map 1). His southern portion consists of thick layer of chloritic mafic schists associated with the regional greenschist metamorphism (Figure 6.5). The strong schistosity is approximately oriented East-West, steeply dipping to the North. A 3 to 4 metres thick (apparent thickness) layer of fuschite dolomitic schist is traced over several hundreds of metres East-West in the extreme south of the area. The central part of the area is characterized by a thick sequence of weakly foliated mafic volcanics, pillow basalts, feldspar phyric mafic volcanics and volcaniclastics are dominant, with local interflow sediments. The northern part of the area is intruded by a fine to coarse-grained, massive to weakly foliated gabbro.

A granodiorite intrusion is present in the western part of the area, between the chloritic mafic schists and the mafic volcanics package (Figure 6.5). This granodiorite is fine to medium grained and generally weakly foliated. Some grab samples collected during the 2017 exploration program in mineralized boulders from this granodiorite returned elevated gold assays (Figure 6.5 and Table 6). These consist of foliated and silicified granodiorite with mineralized quartz veinlets containing traces to up to 5-7% pyrite and local sphalerite. All significant gold assays in this area are from boulders.

In 2017, a new mineralized shear zone was discovered at surface in Central Qiqavik and drilling of this zone confirmed its presence in the subsurface.

Table 6: List of 2017 samples returning highest gold values in Central Qiqavik area

Sample	UTM E	UTM N	Sample Type	Au (g/t)	Ag (g/t)	As (%)	Pb (%)	Zn (%)
66612	476152.88	6824210.38	Boulder	113.96	100	0.001	1	0.26
66607	476170.22	6824245.90	Boulder	71.96	10.4	0.001	2.01	0.01
66593	477131.13	6824768.00	Boulder	30.75	6	0.3	0.04	0.02
66614	476188.62	6824217.00	Boulder	26.59	11.7	0.001	0.55	0.002
66927	478108.45	6823898.55	Boulder	26.46	2.1	4.42	0.02	0.39
66613	476184.82	6824218.14	Boulder	23.72	10.9	0.003	1.28	0.025
66603	477793.00	6825539.00	Boulder	20.44	56.2	0.008	0.018	0.019
66598	475808.68	6824872.79	Boulder	17.86	2.5	0.001	0.001	0.001
66621	476353.22	6823712.73	Boulder	15.72	2.4	2.09	0.07	0.28
66625	476847.18	6825362.52	Boulder	11.02	3.1	0.001	0.32	0.22
66571	477287.31	6824895.45	Boulder	9.88	0.5	9.79	0.01	0.85
66928	478101.32	6823905.28	Boulder	7.71	0.4	2.49	0.005	0.04
67258	476731.00	6823743.00	Boulder	6.97	0.4	0.001	0.01	0.01
66643	476248.52	6824193.01	Boulder	5.07	43	0.001	0.03	0.01

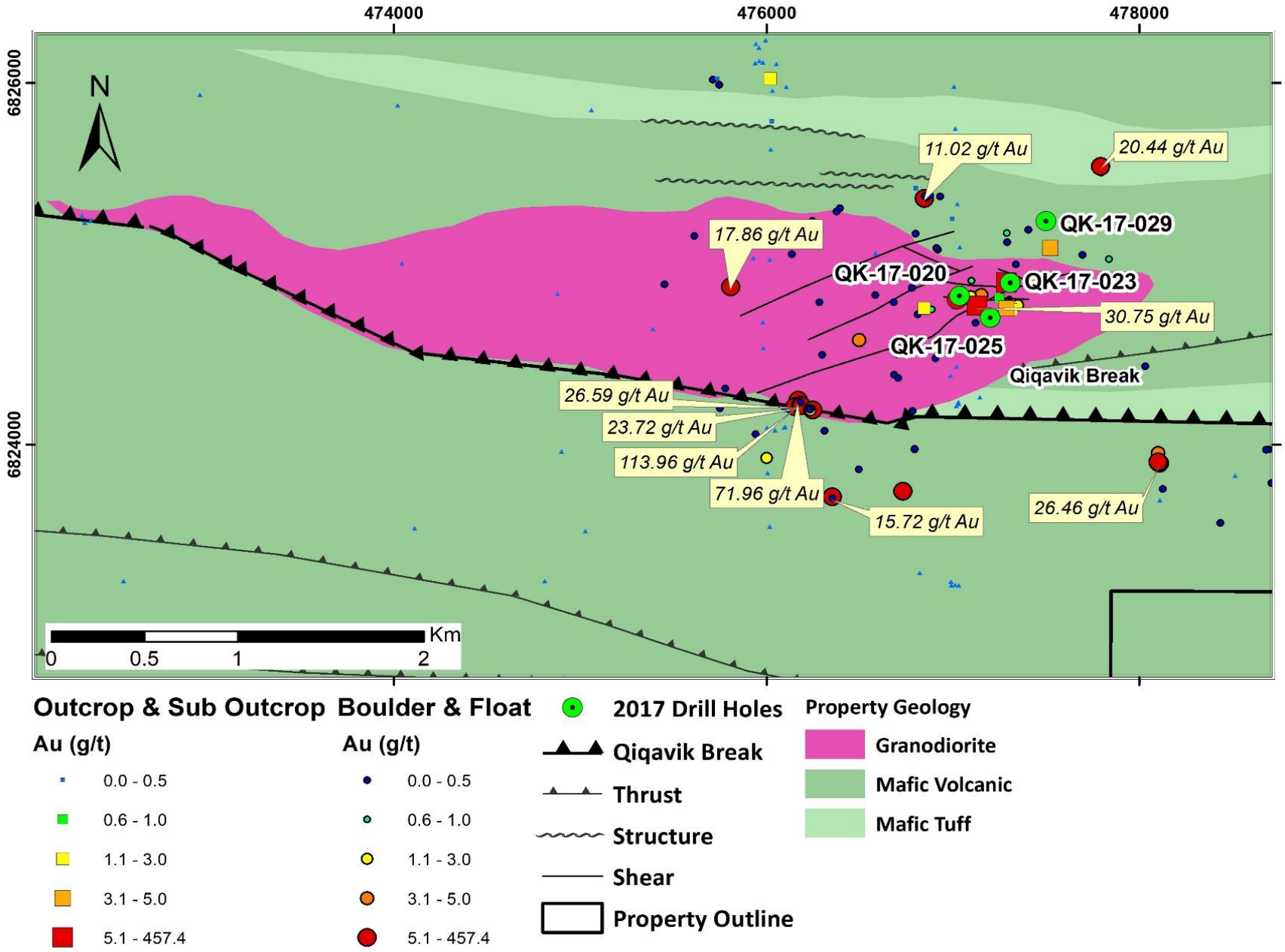


Figure 6.5 Central Qiqavik geological map – surface rock samples with significant grade Au +/- Cu

6.3.4 Gerfaut Area:

Mineralization in the Gerfaut area was first reported by Falconbridge in 1995/1996. The Gerfaut area is located in the eastern part of the property (Map 1). It is hosted in a volcano-sedimentary sequence of aphanitic basaltic flows and associated pyroclastics, with some minor (1 to 3 metres thick) chert bands altered to greenschist facies. Basalts are dominantly massive with some variolitic pillowed and breccia flows, and local pyroxene phenocrysts. Cherts are intercalated with basalts, laminated or massive, and are locally densely mineralized with disseminated pyrrhotite and sphalerite, with stringers of chalcopyrite, pyrite, galena, and arsenopyrite. This volcanogenic massive sulphide (VMS) type mineralization yielded surface rock samples with significant Cu and Zn up to 1.36% Cu and 3.55% Zn; 3.17% Cu, 0.33% Zn and 1.16 g/t Au; and 0.94% Cu and 6.40% Zn (respectively samples 52131, 52136 and 52133, GM54904; recorded as Goshawk mineralized occurrence in SIGEOM database).

While testing surface VMS mineralization, hole Par96-01 intersected strongly sheared basalts with moderate chloritization and silicification, and local sericitization, locally injected with quartz and carbonate veinlets and containing up to 10-15% stringers of sulphides (pyrrhotite, arsenopyrite, chalcopyrite and sphalerite), which returned 3.08 g/t Au over 10.50 metres (GM56129). Subsequent sampling work highlighted a high-grade Au, Ag, Cu, Zn and Pb mineralization, hosted in highly silicified, dolomitized and K-altered volcanoclastics (Gauthier, 2015) and following a magnetic crest extending over more than 7.5 kilometres and coincident with a cherty iron formation (Figure 6.3). The best gold values from the 2015 sampling of the Gerfaut trend, mainly collected from boulders and/or sub-crops, are listed in Table 6.

Prospecting in 2017 has led to the discovery of a visible gold occurrence in boulders in an area of till cover to the south of the showing in the 1996 Gerfaut drill holes (Figure 6.6). The best gold analyses from the 2017 exploration work in Gerfaut area are given in Table 7.

Table 7: List of 2017 samples returning highest gold values in Gerfaut area

Sample	UTM E	UTM N	Sample Type	Au g/t	Ag g/t	Pb %	Zn %
66933	489613.17	6825256.68	Boulder	285.24	42.1	1.49	1
66936	489641.56	6825301.89	Boulder	253.64	31.7	0.73	0.53
66930	489689.69	6825259.24	Boulder	177.47	35.8	0.47	0.27
67316	489691.45	6825254.59	Boulder	122.52	24.5	0.3	0.18
66934	489603.45	6825260.61	Boulder	61.971	7.5	0.25	0.41
66932	489643.87	6825247.12	Boulder	41.56	8.4	0.24	0.54
66939	489817.15	6824938.78	Subcrop	4.65	1.6	0.23	0.001

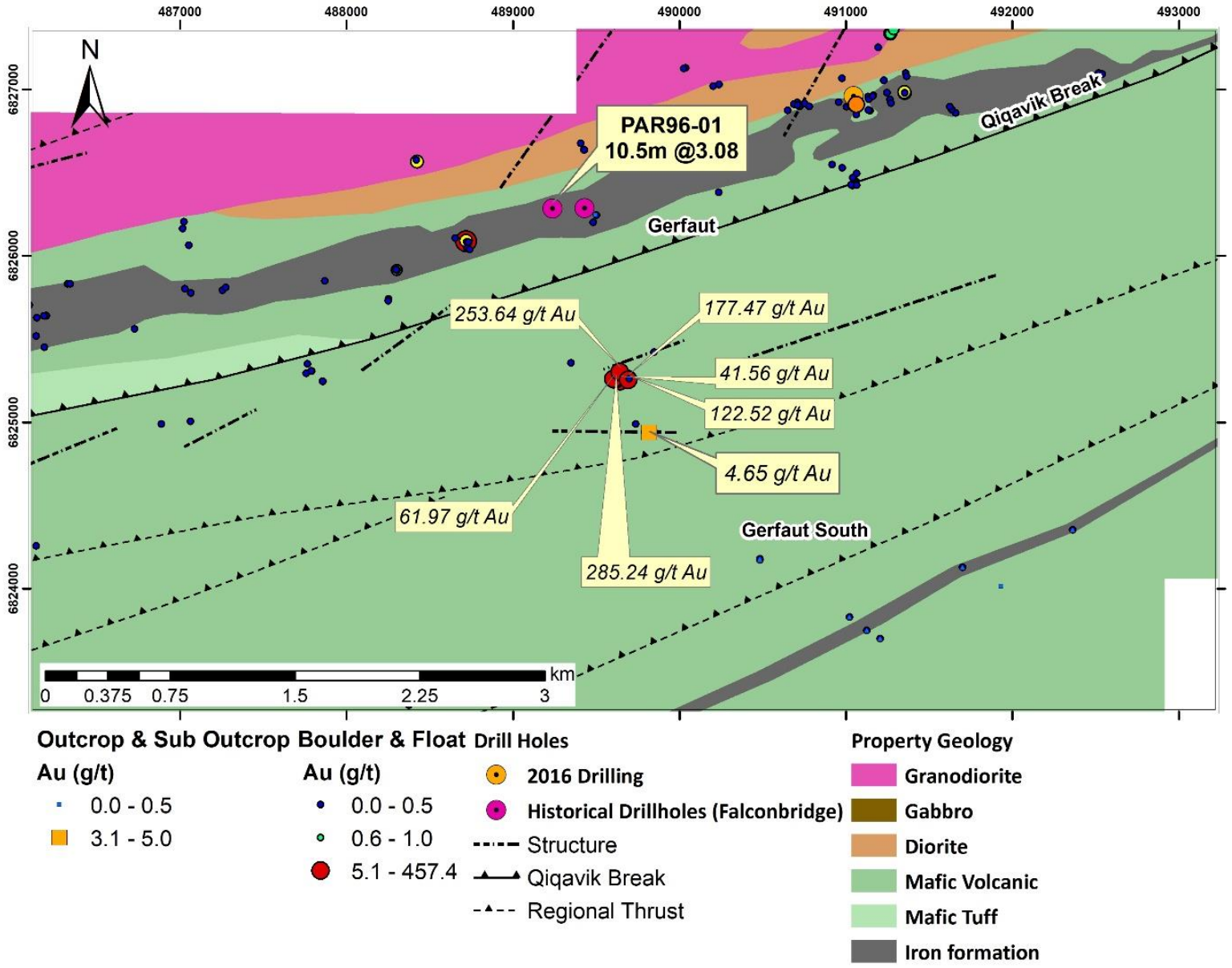


Figure 6.6 Gerfaut geological map – surface rock samples with significant grade Au +/- Cu

6.3.5 Parent

The mineralization over the Parent property was historically described by the «Ministère de l'Énergie et des Ressources» in 1991 in the report MB9123 where five showing were identified; Lac Parent, Kapaa 1, Kapaa 2, Kapaa 3 and Kapaa 4 Grab samples and one drill hole were also worked in 2015 and 2016 by Orford Mining near the Lac Parent showing.

The Lac Parent showing contains mineralization of pyrite, arsenopyrite and pyrrhotite in veins inside sheared volcanoclastic rocks (Figure 6.7). Veins of massive arsenopyrite and quartz were also found in the sector and four 2015 grab samples returned grades from 2.04 to 5.78 g/t Au. Drill hole QK-16-001 was able to identify several gold and silver anomalies including 1.07 g/t Au over 1.0m between 25m and 26m, 1.68 g/t Au over 0.56m between 27.6m and 28.16m and 20 g/t Ag over 1.0m from 29m to 30m. The area was also explored during the 2017 mapping program and showed new gold anomalies including a 6.54 g/t Au grab sample.

The Kapaa 1 showing consists principally of pyrite mineralization with around 1% chalcopyrite and sphalerite mineralization in shears found inside a gabbro-diorite intrusion in contact with an ultramafic intrusion. Gold and silver anomalies were found by the MER with 170 ppb to 540 ppb Au and 1.3 to 2.5 g/t Ag. The area was also explored during the 2017 mapping program, but no new anomalies were found.

The Kapaa 2 showing consists of chalcopyrite, sphalerite and arsenopyrite mineralization with anomalistic gold value in a shear inside a volcanic and gabbroic sequence. The 2017 mapping program over the Parent property was able to identify one new gold anomaly with sample 66435 returning 0.4 g/t Au and 0.12% Zn (Figure 6.7).

The Kapaa 3 showing consists of pyrrhotite mineralization with traces of chalcopyrite and arsenopyrite inside volcanoclastic rocks. A sample found by the MER in 1991 returned arsenic and antimony anomalies, but no economic element values were found. The Kapaa 3 showing was explored during the 2017 mapping program, but no new anomalies were found.

The Kapaa 4 showing consists of pyrrhotite, pyrite, hematite, sphalerite and galena mineralization inside volcanoclatic rocks with anomalistic gold value of 0.09 g/t Au. The Kapaa 4 showing was explored during the 2017 mapping program, but no new anomalies were found.

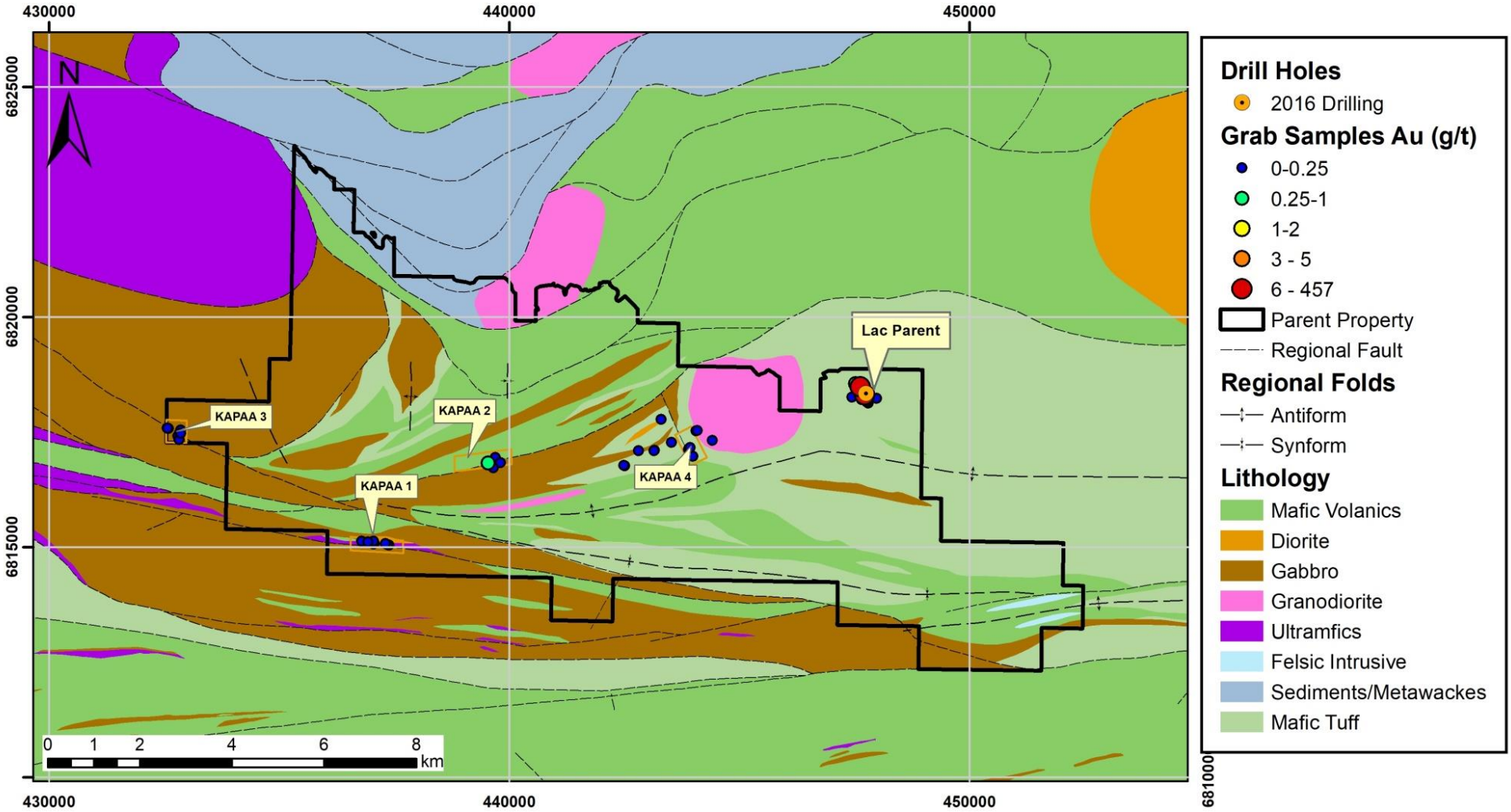


Figure 6.7 Parent property geological map – surface rock samples with significant grade Au values

7- DEPOSIT TYPES

The Qiqavik project is at an early exploration stage, exploration work completed over the property is limited and the understanding of the mineralization setting remains limited as well. At present, it is therefore not clear as to precisely what genetic gold depositional model to apply. The size of the property, field observations, mineralized associations and hosts, combined with recent exploration work results may suggest different genetic models for the main various mineralized areas.

7.1 Esperance

The mineralization found in shear zones of the Esperance area is considered epigenetic.

Original metal enrichments may be syn-sedimentary or syn-volcanic but were obviously remobilized by tectonic process. Overall, background abundance of Au, Ag and Arsenic is relatively high in all samples, which, combined with the abundance of carbonates, suggest hydrothermal activity. The shear zones are considered to be an interesting gold exploration target.

Granodioritic intrusions proximal to or within the shear zones could be one possible source of fertile hydrothermal fluid. This is suggested by the mineralization's association with strongly altered and locally mineralized felsic and mafic dykes and sills, as well as the presence of abundant quartz and quartz carbonates veins and veinlets.

The presence of shear zones, felsic phyric intrusions, carbonate alteration, gold-bearing veins and zones of disseminated sulphides, associated with Au in excess of Ag with an arsenic signature, all suggest a context of orogenic gold hosted in greenstone (Robert et al., 2007). Typical examples of this class of deposits, among others, are Dome, Norseman, Mt Charlotte and Sigma Lamaque mines (Robert et al., 2007). Otherwise, the Au+Cu+/-Co association noted in some semi-massive to massive sulphides and the felsic and mafic sills that could represent syn-volcanic intrusions may conversely relate to an Au-rich volcanogenic massive sulphide (VMS) deposit (Robert et al., 2007). Typical examples of this class of deposits, among others, are Horne, Bousquet 2 and Henty mines (Robert et al., 2007).

7.2 Aurora

Gold mineralization in the Aurora area is hosted in quartz veins and veinlets injected in fine-grained granite. High-grade gold values were obtained in sulphides bearing grab samples as well as sulphide-free (or low sulphide) quartz veins. For example, sample P137296 returned 58.1 g/t Au and P137336 returned 58.2 g/t Au while both samples only contain trace amounts of sulphides (0.32% S and 0.13% S) and pathfinder elements (<100 ppm of Ag, As, Bi, Cu, Pb, Sb, Zn, W). These observations indicate the presence of free gold, which is confirmed by the presence of visible gold in two grab samples (P132942 with 34.8 g/t Au and P137294 with 20.8 g/t Au).

Mineralization hosted in parallel quartz veins and veinlets presents similarities with sheeted vein systems in felsic intrusive systems, while elemental association with anomalous As, Bi, Sb, and W may further suggest intrusion-related mineralization (Robert et al., 2007). Conversely, the genetic relationship between the mineralization and the granitic intrusion is still to be confirmed, since quartz veins invading the intrusion may be a result of external factors such as variable rock brittleness, which could then relate to an orogenic gold deposit.

7.3 Gerfaut

Based on a petrographic study (Gauthier, 2015), mineralization in the Gerfaut area is interpreted as a metamorphosed gold-bearing low-sulphidation epithermal deposit.

The interpretation is based on the presence of non-ferrous carbonates, potassic feldspar, and tremolite assemblage, plus the disseminated sphalerite, galena and chalcopyrite. The gold mineralization was hosted by non-deformed volcanic rocks, which excludes the orogenic, shear hosted model.

Typical examples of this class of low-sulphidation epithermal deposits, among others, are Hishikari and Round Mountain (Robert et al., 2007). The Gerfaut disseminated polymetallic mineralization should be associated

with chargeability anomaly which could be detected by induced polarization, as well as from As-Au-Cu-Pb-Zn multi-element signature captured through geochemical sampling and assaying of tills collected from frost boils.

7.4 Parent

Deposit type unknown.

8- EXPLORATION PROGRAM 2017

The duration of 2017 exploration program completed by Orford Mining over the Qiqavik property was approximately 30 days from mid-July to mid-August. The program consisted of ground geophysics, drilling, mapping and till sampling. While the exploration on the Qiqavik property occurred during the complete program, exploration on the Parent property occurred only in the last 3 days of the program.

The geophysical surveys included

- 668 line-kilometres of ground magnetic surveying
- 100 line-kilometres of ground gradient IP surveying over the Qiqavik property.

Magnetic and IP surveys were completed under contract by Abitibi Geophysics, based in Val-d'Or. The location of the various surveys and work completed in 2017 is shown in Map 2.

The mapping and sampling program consisted of:

- 5 crews of a geologist and his assistant performing traverses at a one-kilometre line-spacing. Each crew was equipped with a portable XRF analyzer allowing on-site chemical analysis.
- A total of 1,209 till samples were collected at 100 metres intervals along the lines, plus some 50 metres spaced in-fill sampling on the Qiqavik property and 4 till samples were collected on the Parent property at 100 metres intervals along the lines (Map 3). In addition, till samples were analyzed with a portable handheld XRF analyzer in order to allow field follow up on the next days.
- A total of 629 surface rock samples, 619 grab and 10 channel samples, were collected along the traverse on the Qiqavik property and 48 grab samples were collected on the Parent property (Map 4).
- A total 2,033 field stations (825 mapping station and 1,209 till stations) were recorded on the Qiqavik property (Map 5) and 60 field stations (56 mapping stations and 4 till stations) were recorded on the Parent property (Map.5)

All maps can be found in Appendix 4 in bigger formats for a better representation of the data over the properties.

The drilling program consisted of 2,722.5 metres in 23 holes, QK-17-007 to QK-17-029, on the Qiqavik property (Table 9). The drilling program is discussed in Section 9 of this report

8.1 Qiqavik Mapping and Till Programs

The 2017 mapping program on Qiqavik was conducted simultaneously with the till sampling program. A total of 2,033 field stations and 629 surface rock samples were described, collected and recorded with the use of portable electronic tablets. Field station and sample recording protocol, sampling protocol and analysis method are described in Section 10. Location of 2017 field stations and surface rock samples is shown in Map 2.

The 2017 mapping program on Qiqavik focused on the characterization of geology and mineralization of the principal areas of interest discovered in 2016.(Esperance, Aurora, and Central Qiqavik) as well as the Gerfaut Area (Map 5), as well as prospecting follow-up of other areas of interest identified in 2016.

Preliminary interpretation of mapping and prospecting data suggests that mineralization is associated with secondary structures that occur at oblique angles to the main regional structure (shear zone) that extends along the length of the Qiqavik property and with other structural complexities along this trend.

In addition to the 4 main areas of interest previously described, several surface rock samples collected during the 2017 exploration program were discovered showing gold anomalies. The context of these isolated occurrences is unknown at this time and requires follow up in future field programs. Table 8 lists the gold anomalies outside known area.

A total of 1,209 till samples were collected during the 2017 exploration program in the central and western portions of the Qiqavik property. Samples consist of approximately 500 grams of till material collected from

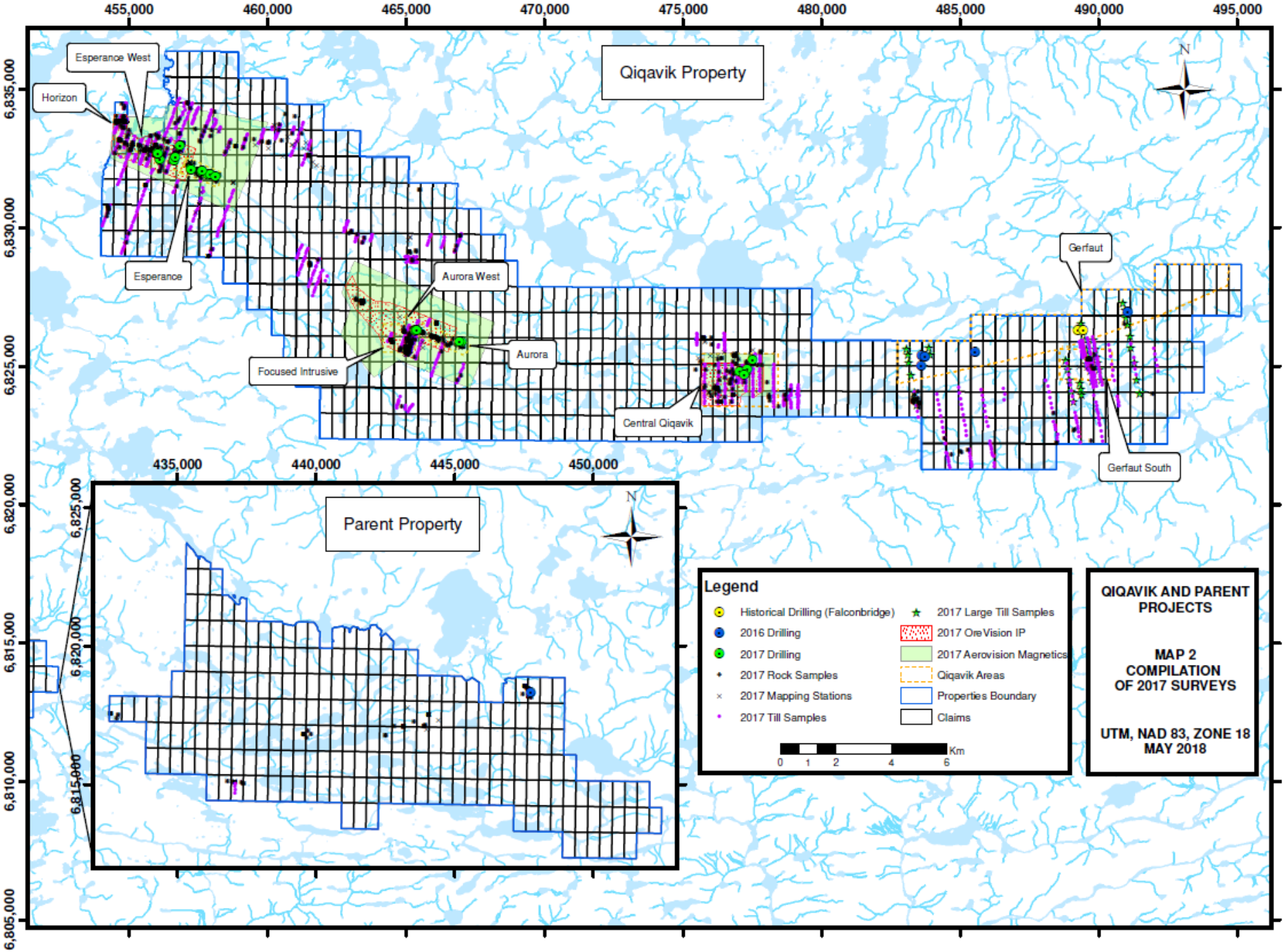
frost boils, which is a typical and common feature of the permafrost terrain in the area. Till sampling protocol and analysis methods are described in Section 10. All maps showing arsenic values from 2017 till sampling use the corrected values (see Section 10.4 from this document for details about the corrected values).

Based on previous studies (Laforest, 2012; Gauthier, 2015), the main anomalous elements in till that could be associated with gold mineralization on the Qiqavik property include Au, As, Bi, Cu, Pb, Sb, Te, Zn and W. These multi-elements signatures associated with mineralization show anomalies well in lab assay data. However the main parameter used for sampling with hand-held portable XRF instruments during the field campaign was arsenic due to its higher concentration in tills relative to XRF detection limits as compared to other indicator elements. The location of all till samples collected in 2017 is shown Map 3.

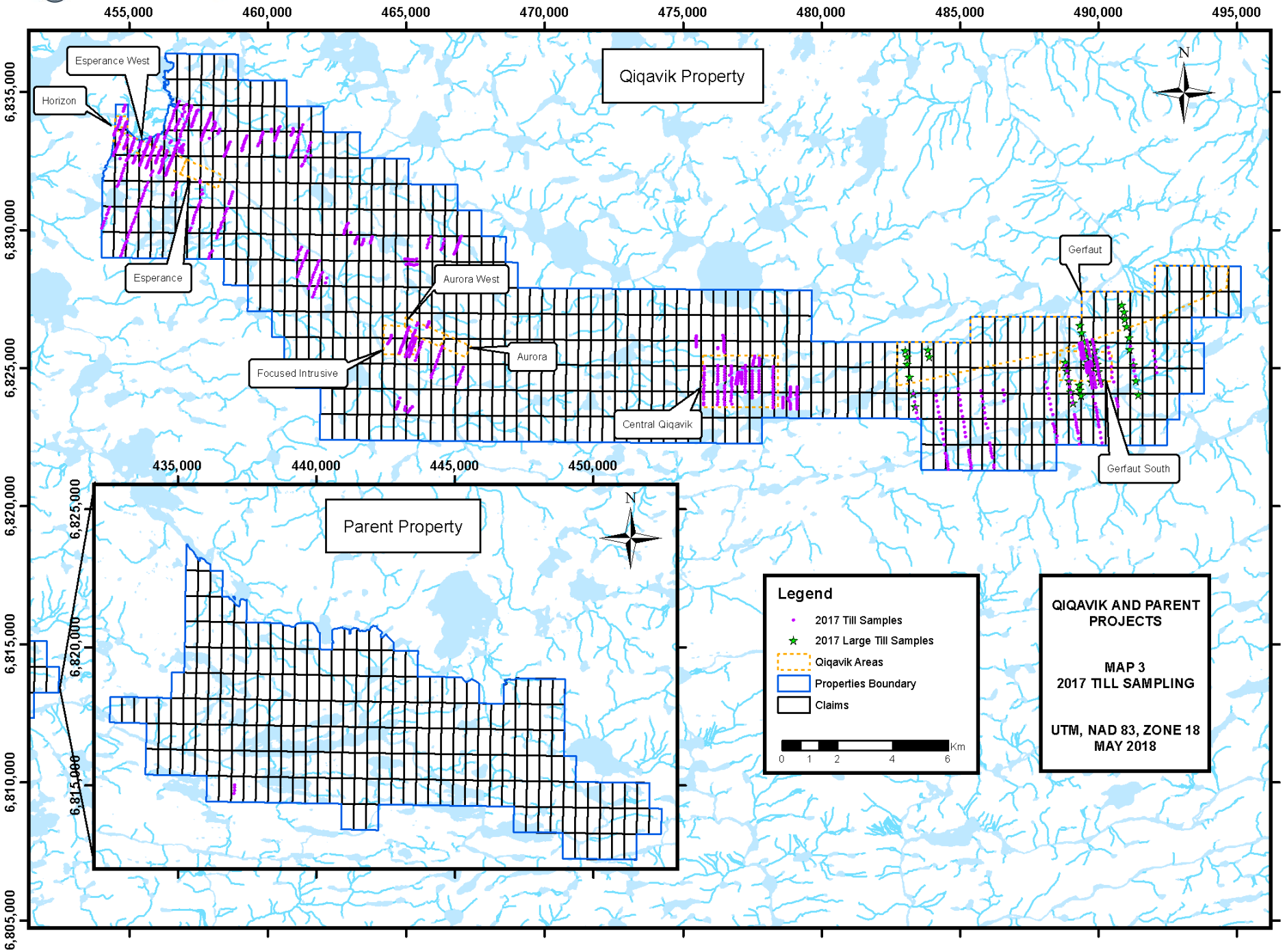
The 2017 till program on Qiqavik focused on the extension of the 2016 till samples grid to the west of Esperance and the south Aurora, the extension of the 2012 till samples grid at Gerfaut in the south and the definition of the Central and Focused Intrusive area. Gold and arsenic anomalies from the 2016 till samples were also investigated by doing infills from the 2016 grid around the anomalies.

Table 8 Isolated grab sample showing gold anomalies

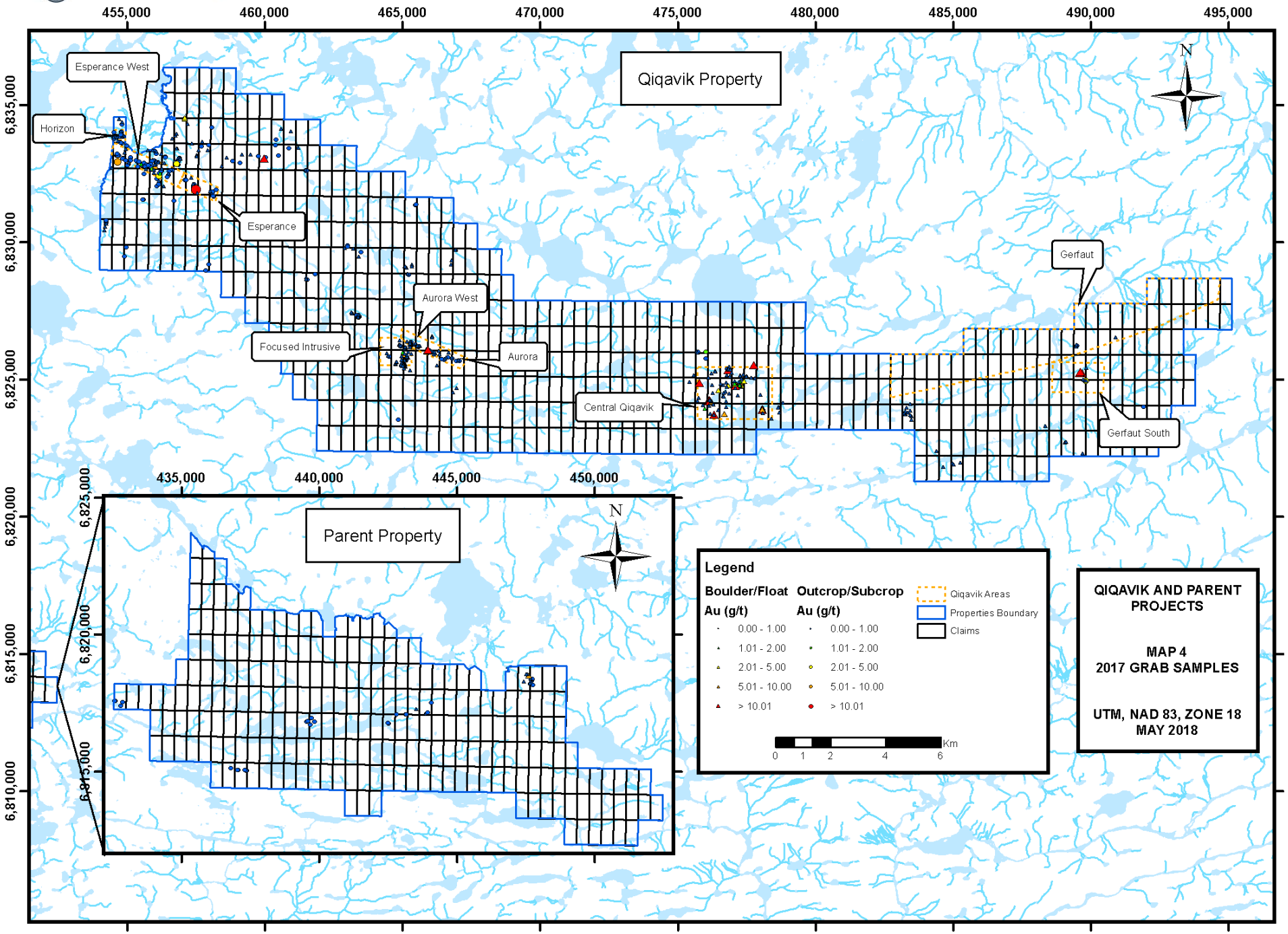
Sample	UTM E	UTM N	Sample Type	Au (g/t)	Ag (g/t)	Cu %
66511	460011.22	6833063.51	Boulder	29.52	14.7	0.02
66536	457124.64	6834541.79	Boulder	3.74	7.6	1.45
66534	457114.44	6834497.54	Boulder	2.05	21.4	3.66



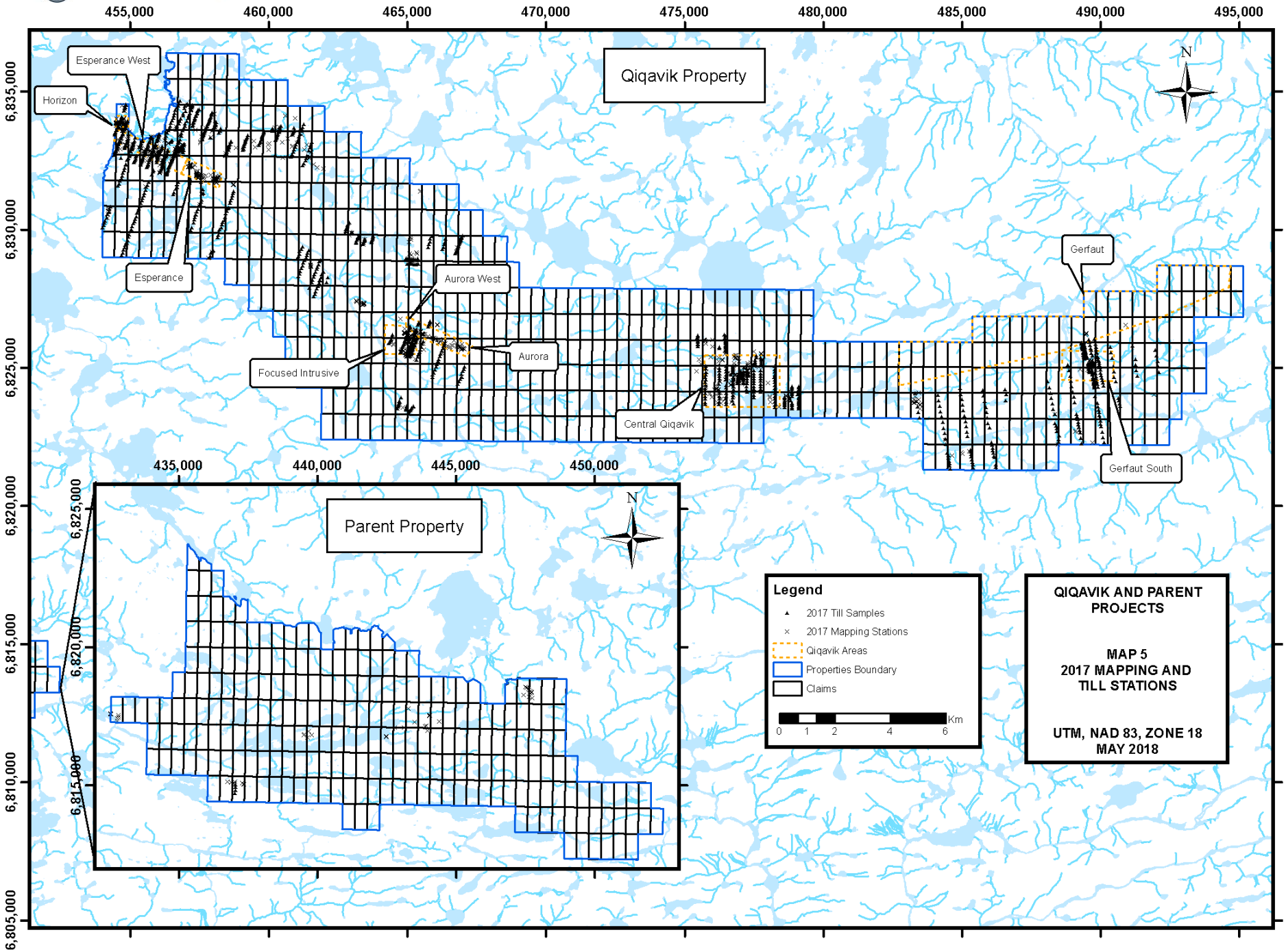
Map 2 Compilation of 2017 Surveys on Qiqavik and Parent Properties (Appendix 4)



Map 3 2017 Tills Sampling on Qiqavik and Parent Properties (Appendix 4)



Map 4 2017 Grab Samples on Qiqavik and Parent Properties (Appendix 4)



Map 5 2017 Mapping and Till Stations on Qiqavik and Parent Properties (Appendix 4)

8.1.1 Esperance and Horizon Area

The 2017 mapping and till program over Esperance focused on the characterization of the geology near the main trend found in 2016 and the extension of the NW mineralized fault trend to the west side. This lead to the discovery of the extension of the Esperance area named Esperance West and to a new area to the north at the extreme west part of the trend named Horizon where gold is not associated with the mineralization usually found at Esperance and seems to be on a different structure trend.

Mapping over Esperance West confirmed the continuation of the Esperance trend where gold anomalies associated with copper mineralization were found. Grab samples returned many values over 1 g/t Au with copper values varying between 1 and 3%. Highest gold values showed a 6.68 g/t Au with a 0.9% Cu anomaly on the west part of Esperance West and showed a 6.09 g/t Au with 3.01% Cu and a 4.85 g/t Au with 2.44% Cu anomalies on the east part of Esperance West (Figure 8.1).

Mapping over Horizon lead to the discovery of new gold anomalies where a channel sample reported 5.62 g/t Au and 0.38% Cu over 90 cm. The Horizon area is a new area that need further work to understand the mineralization and the geology.

Mapping around the Esperance area lead to the discovery of two gold anomalies approximately two kilometers North of Esperance. Two samples returned 3.74 g/t Au with 1.45% Cu and 2.05 g/t Au with 3.66% Cu (Figure 8.1). The two anomalies seem to be related to the contact of an intrusion and need further work to understand the mineralization and the geology.

Till sampling over Esperance West showed many arsenic and gold anomalies on the east part of the area coincident with gold anomalies in grab samples, showing the continuation of the Esperance mineralization trend. High arsenic anomaly was reported on till sample 402548 with a corrected value of 219.8 ppm As and on till sample 402559 with a corrected value of 95.84 ppm As. High gold anomalies in till were also found between the Horizon and Esperance West area on till sample 402641 with 0.931 g/t Au (Figure 8.2 and 8.3), giving new targeting for the next mapping campaign.

Extension of the till sampling to the north of Esperance and Esperance West showed new arsenic and gold anomalies where two gold anomalies were also found in grab samples. Till samples 403152 and 403149 reported anomalistic results with respectively 0.062 g/t Au and a corrected value of 25.52 ppm As with 0.052 g/t Au. This area is coincident with an intrusion and gives new targeting for the next mapping campaign.

Infills till sampling to the east of Esperance showed many high arsenic anomalies (Figure 8.2) on a geology contact according to the geology map. Till sample 403002 showed a corrected value of 92.24 ppm As and is surrounded by other arsenic anomalies like till sample 403004 with a corrected value of 33.08 ppm As. Only few mapping stations were taken around those anomalies and can be a target for the next mapping campaign.

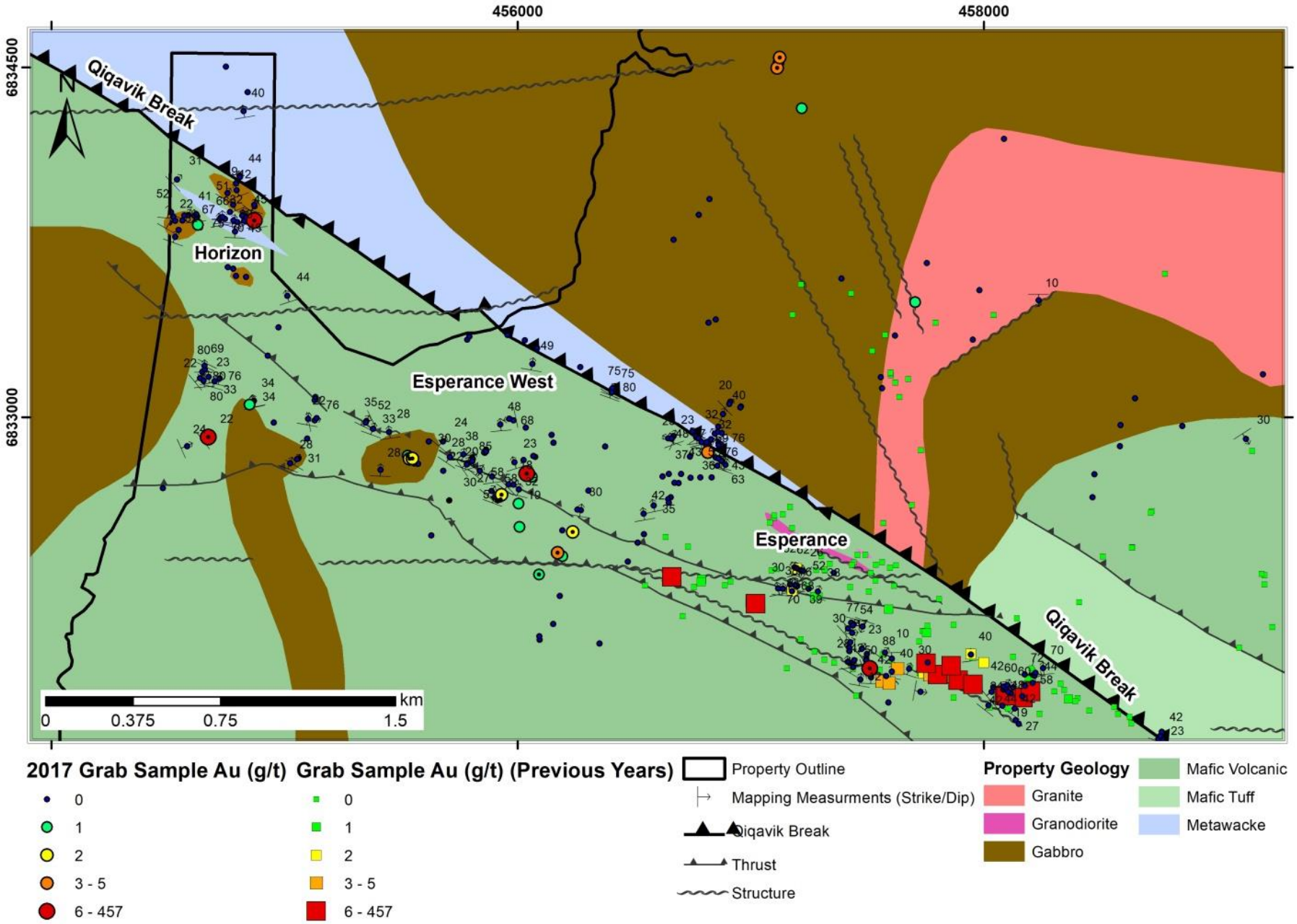


Figure 8.1 Location of the grab samples over the Esperance and Horizon Area with gold values

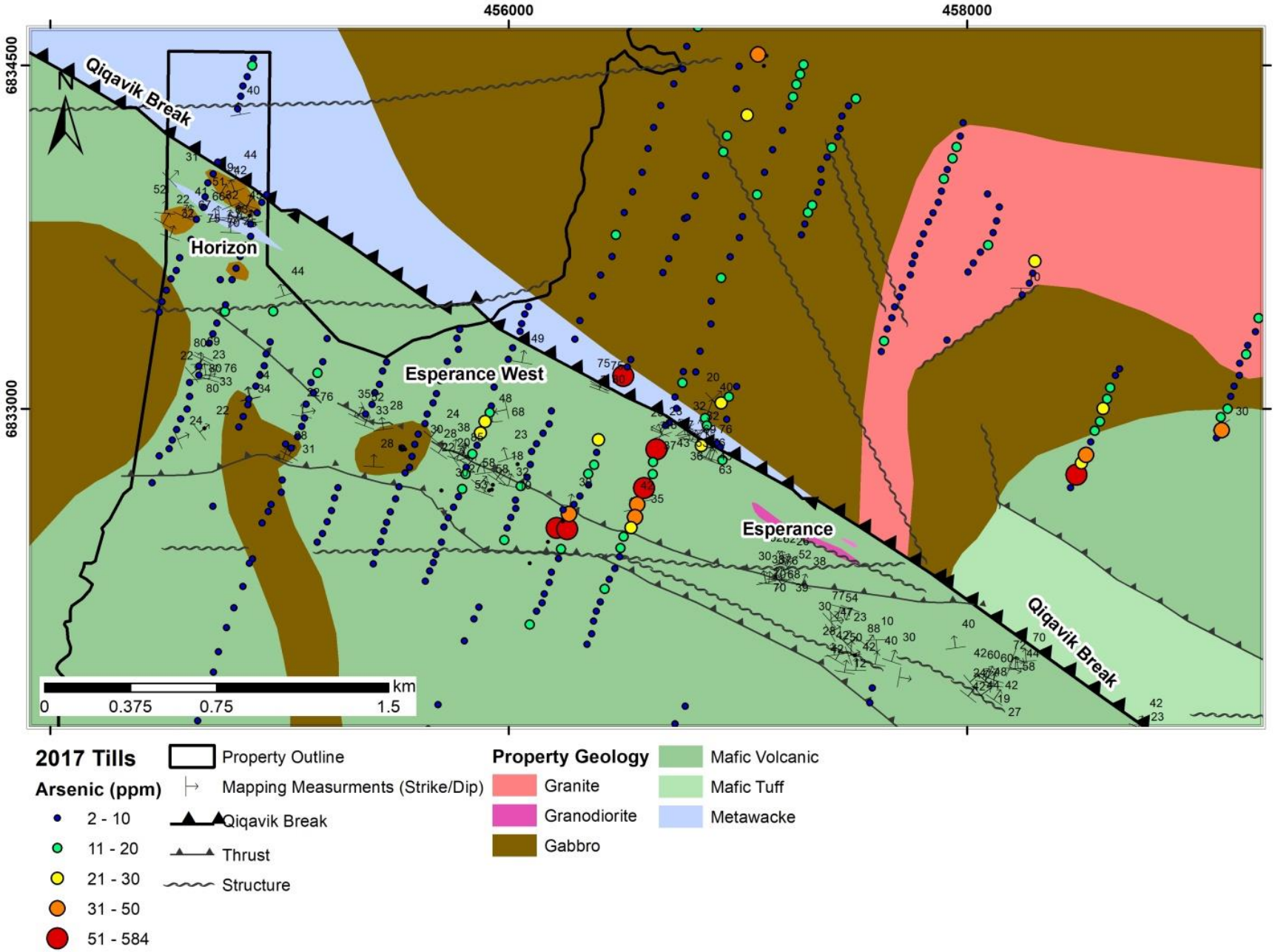


Figure 8.2 Location of the Till samples over the Esperance and Horizon Area with Arsenic values

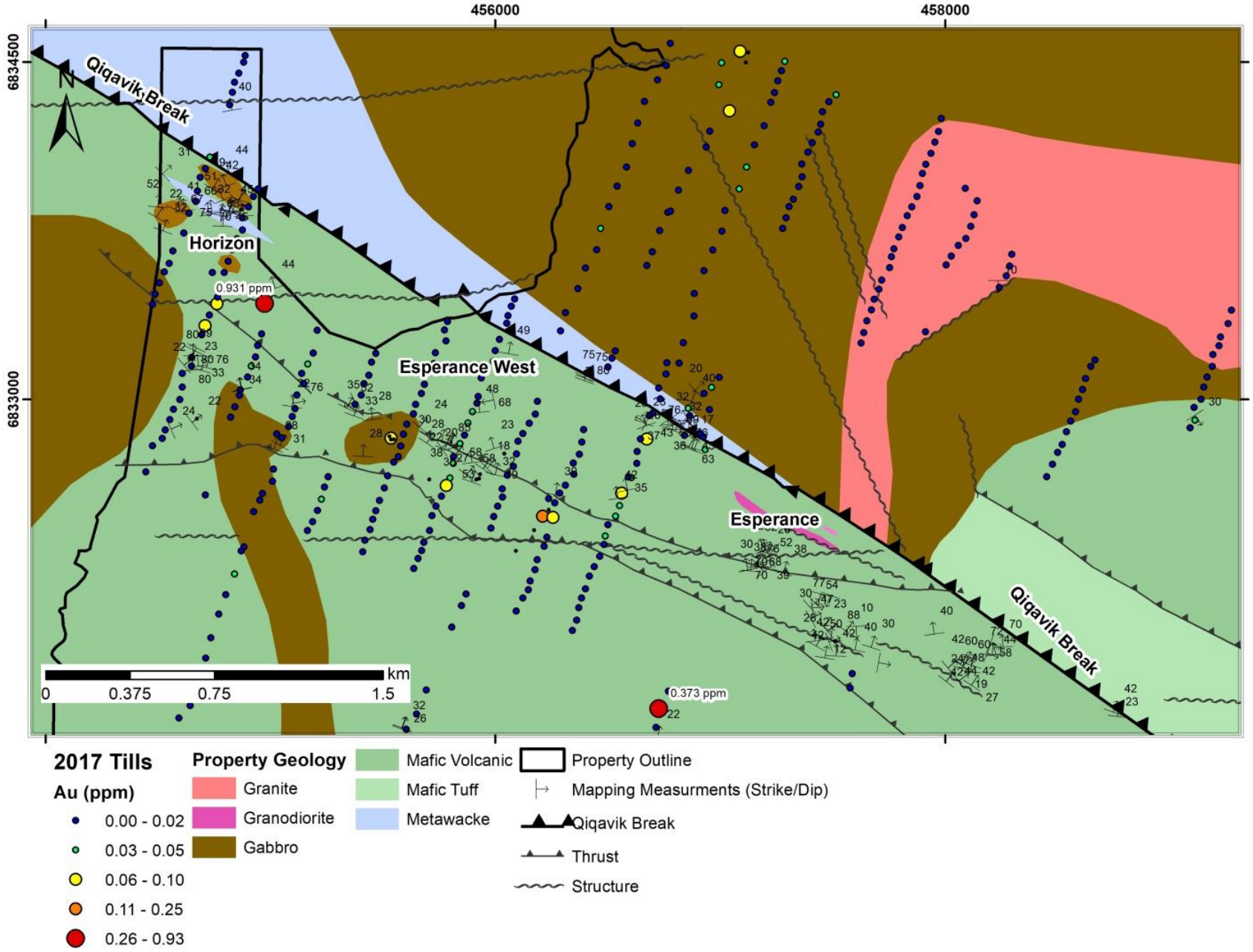


Figure 8.3 Location of the Till samples over the Esperance and Horizon Area with Gold values

8.1.2 Aurora Area and Focused Intrusive

The 2017 mapping program over Aurora focused on the characterization of the geology following the work from the 2016 exploration campaign and on the extension over the shear zone to the west. Till sampling focused on infills of the 2016 till sample grid south of Aurora.

Mapping on the central part of Aurora revealed a sector with many grab samples with gold anomalies with visible gold. In total, 8 grab samples were identified on the main shear zone with more than 10 g/t Au with the highest results of 457 g/t Au on sample 66898 (all samples are listed in Table 5 in chapter 6.3.2). Sampling on the west part of Aurora also showed several gold anomalies of around 1 g/t Au on the main shear zone (Figure 8.4) with the highest value of 1.25 g/t Au on sample 66856.

The 2017 mapping over Aurora succeed to confirm the continuation of gold mineralization over the main shear zone.

The 2017 mapping program and till program over the Focused Intrusive area focused on the exploration of the area following up a till anomaly found in 2016. The Focused Intrusive area was determined in 2017 since the geology found in the area is different from Aurora.

The mapping program succeeds into identifying several gold anomalies along the contact of the intrusive on the east side of the area (Figure 8.4). Highest values reported 8.93 pm Au on sample 66754 and 4.25 g/t Au on sample 66773. Arsenic anomalies were found associated with the gold anomalies on the same area of the property.

Till sampling showed many high arsenic and gold anomalies on the north and east side of the intrusion (Figure 8.5 and 8.6). Till sample 404188 reported 0.812 g/t Au on the east side of the intrusion and a 0.27 g/t Au was reported on till sample 404146. Most of the arsenic anomalies are more spread north of the intrusion than the grab samples anomalies, showing concordant dispersion of the till with the glacial geology of the Cape Smith Belt. Highest arsenic anomalies on the north side showed a corrected value of 72.56 ppm on till sample 404146. One high arsenic anomaly was also reported on the east side of the intrusion with a corrected value of 57.2 ppm As on till sample 404159.

Further work is required to have a better understanding of the Focused Intrusive area.

No new anomalies were found on the till south of Aurora.

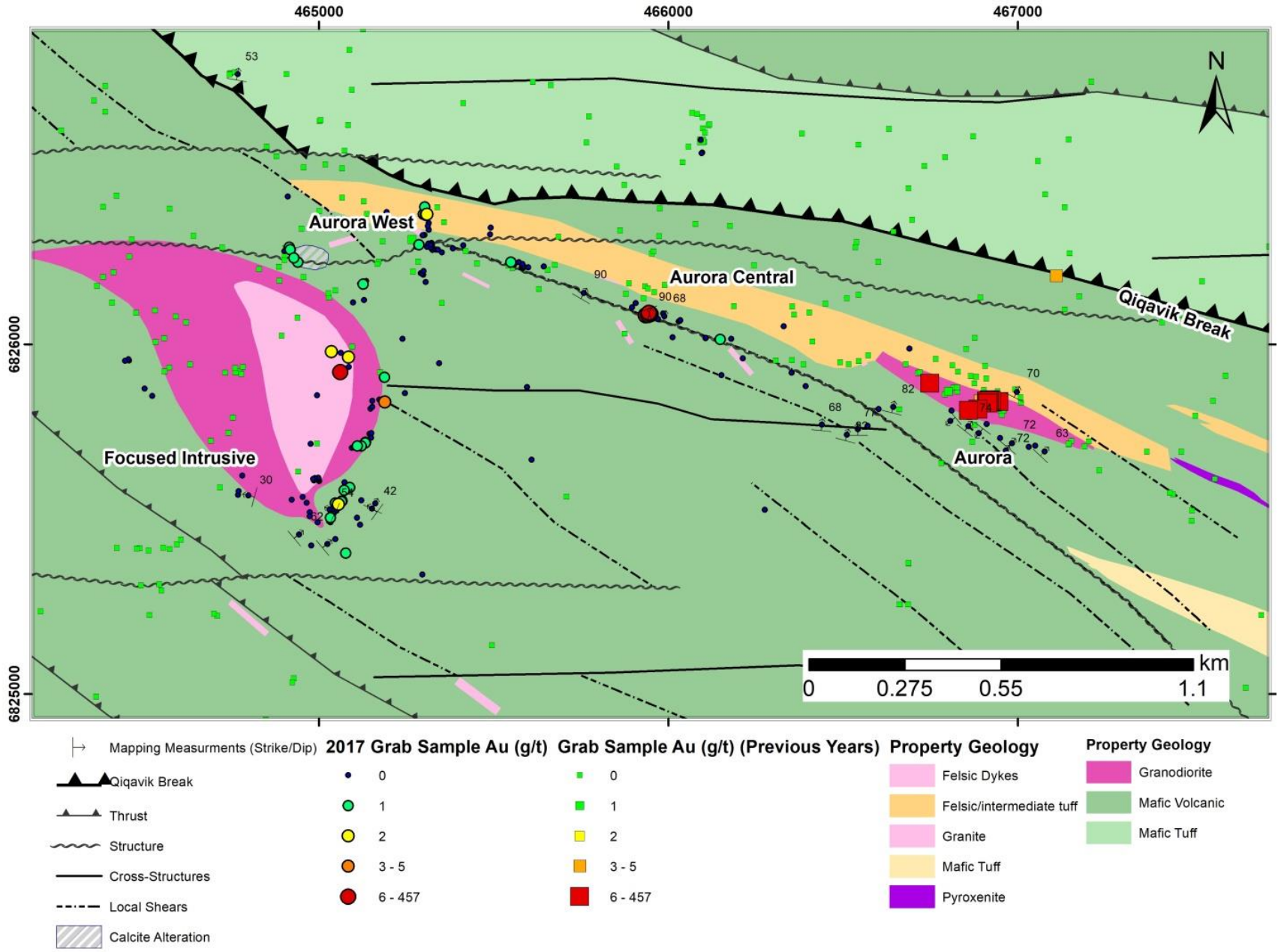


Figure 8.4 Location of the grab samples over the Aurora and Focused Intrusive Area with gold values

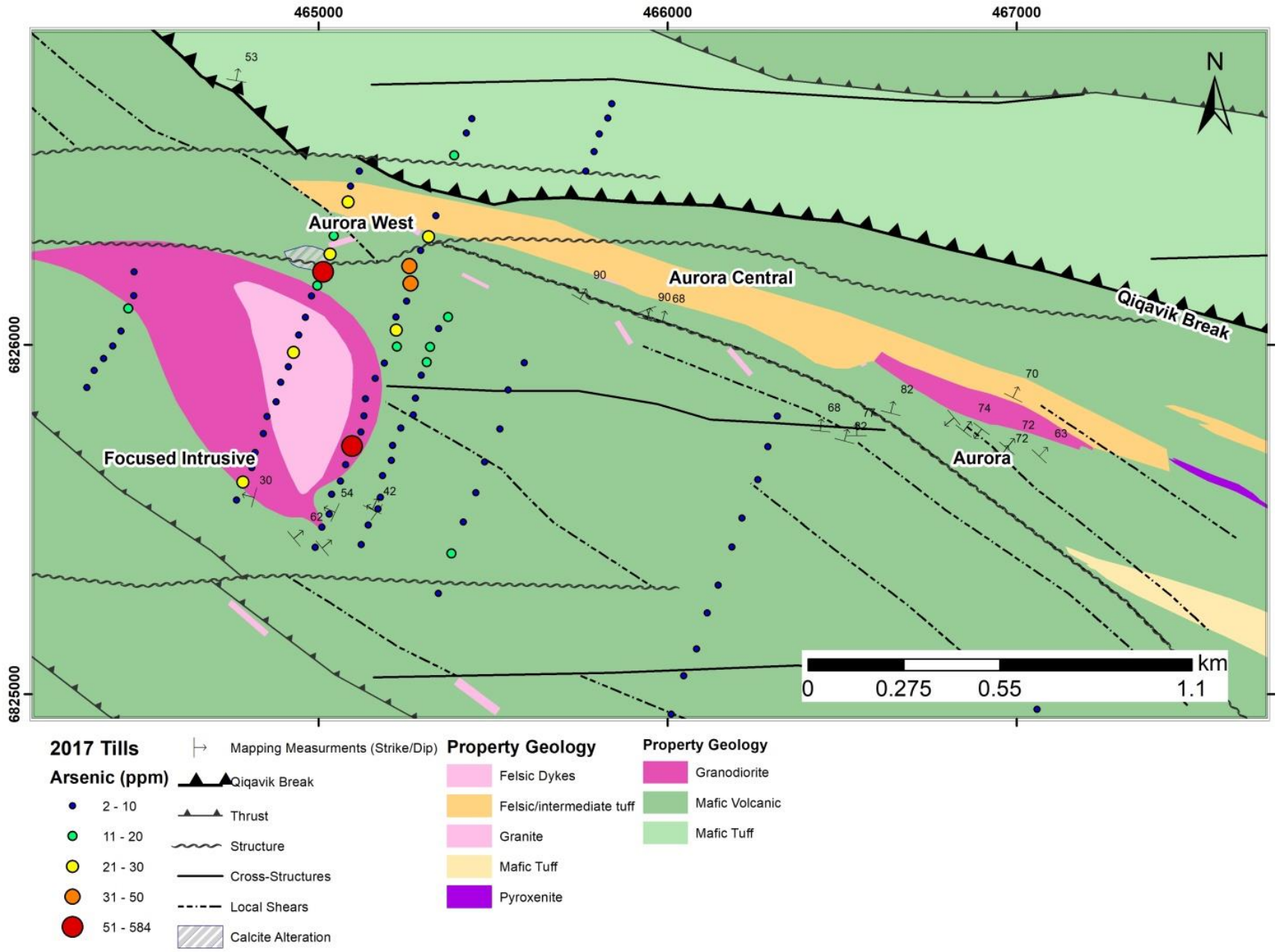


Figure 8.5 Location of the Till samples over the Aurora and Focused Intrusive Area with Arsenic values

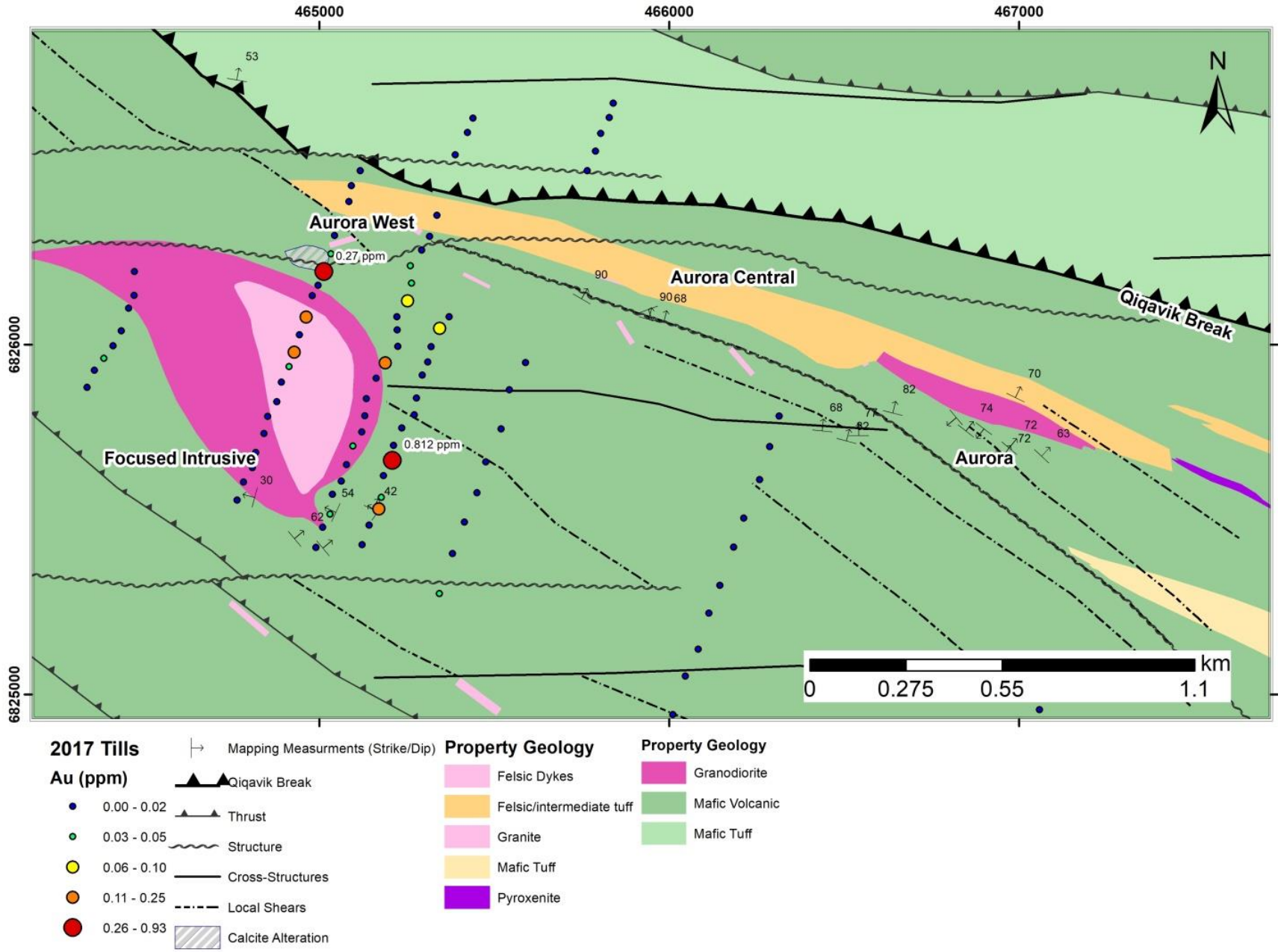


Figure 8.6 Location of the Till samples over the Aurora and Focused Intrusive Area with Gold values

8.1.3 Central Qiqavik

The 2017 mapping and till sampling over Central focused on the follow up of high gold anomalies found in grab sample (18.3 g/t Au with 1.83% Zn on sample P132265 and 11.85 g/t Au on sample P137310) associated with arsenic anomalies in till at the end of the 2016 campaign. Extensive mapping and till sampling were done all over the central area to characterize the geology and the mineralization of the area. Till program was done to cover infills of the 2016 till sampling campaign and was done more extensively between the two gold anomalistic grab samples found in 2016.

The mapping program on central succeeds into identifying many new high gold anomalies all around the area associated with polymetallic mineralization (As, Pb and Zn) (Figure 8.7). Assay results showed that gold associated with arsenic is mostly concentrated on the east side of the intrusion where sample like 66593 reported 30.75 g/t Au with 0.3% As and sample 66571 reported 9.88 g/t Au with 9.79% As and 0.85% Zn. Gold anomalies associated with lead were sighted on the south part of the intrusion where sample 66612 reported 113.96 g/t Au with 1% Pb and 0.2% Zn and sample 66607 reported 71.96 g/t Au with 2.01% Pb. Zinc mineralization associated with gold seems to be present less frequently that arsenic and lead and can be found with both arsenic and lead.

Gold anomalies in grab sample were also reported in the south/south-east part of central under the Qiqavik Break structure. Sample 66621 reported 15.72 g/t Au with 2.09% As and sample 66927 reported 26.46 g/t Au with 4.42% As and 0.38% Zn. This part of the area was less covered during the 2017 mapping program and can be a zone for new targeting in the next mapping campaign.

Till sampling over central showed many gold anomalies all around the property and showed arsenic anomalies in the same area where gold is associated with arsenic in the grab sample (Figure 8.8 and 8.9). Highest anomalies showed a corrected value of 575 ppm As with a gold anomaly of 0.268 g/t Au on till sample 404413 and a corrected value of 117.08 ppm As with 0.1 g/t Au on till sample 404404.

The south-east part of Central also showed many arsenic anomalies with the corrected arsenic values ranging between 10 and 30 ppm As, This area is just east to grab sample 66927 that returned 26.46 g/t Au and can be a new target area for the next mapping campaign.

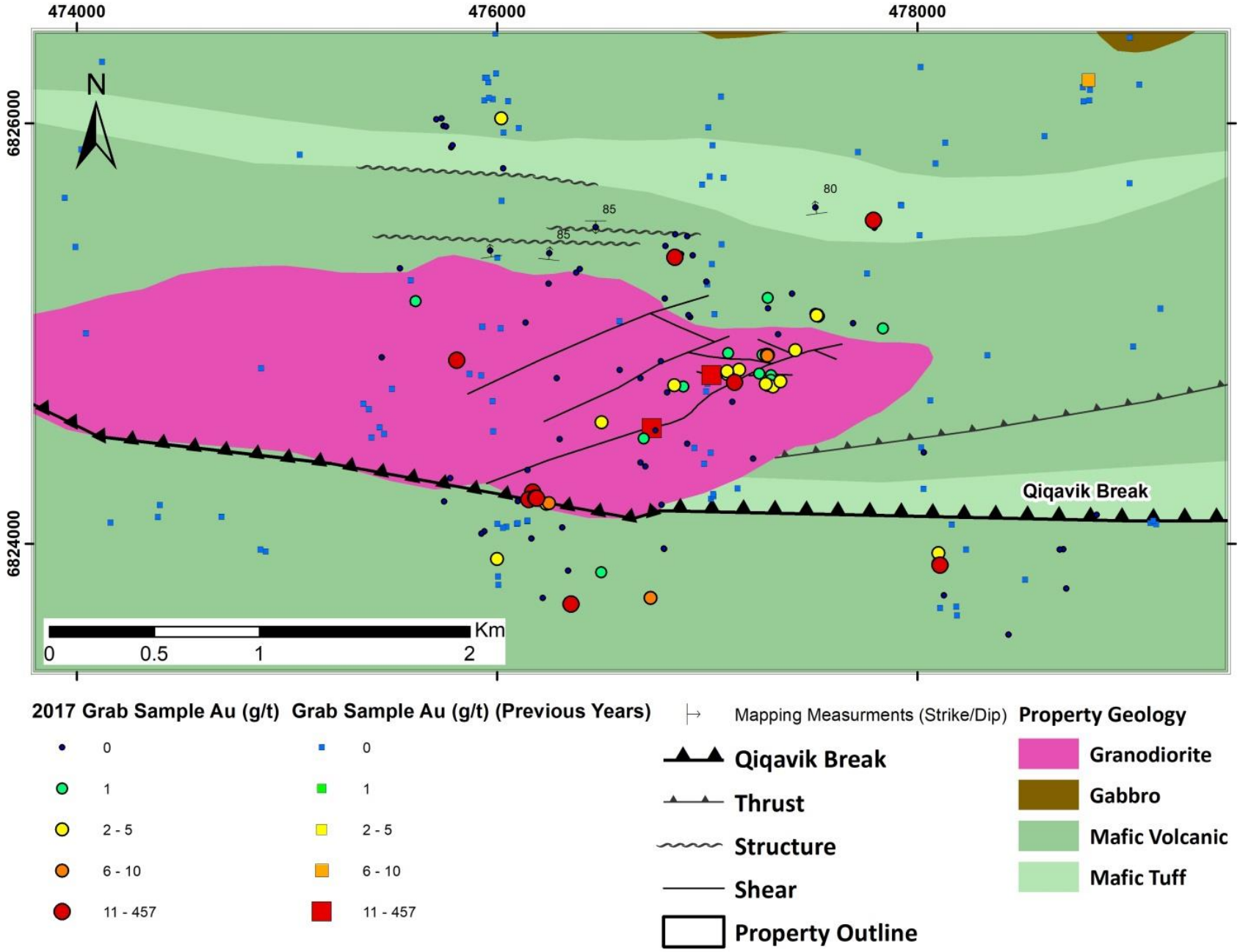


Figure 8.7 Location of the grab samples over the Central Qiqavik Area with gold values

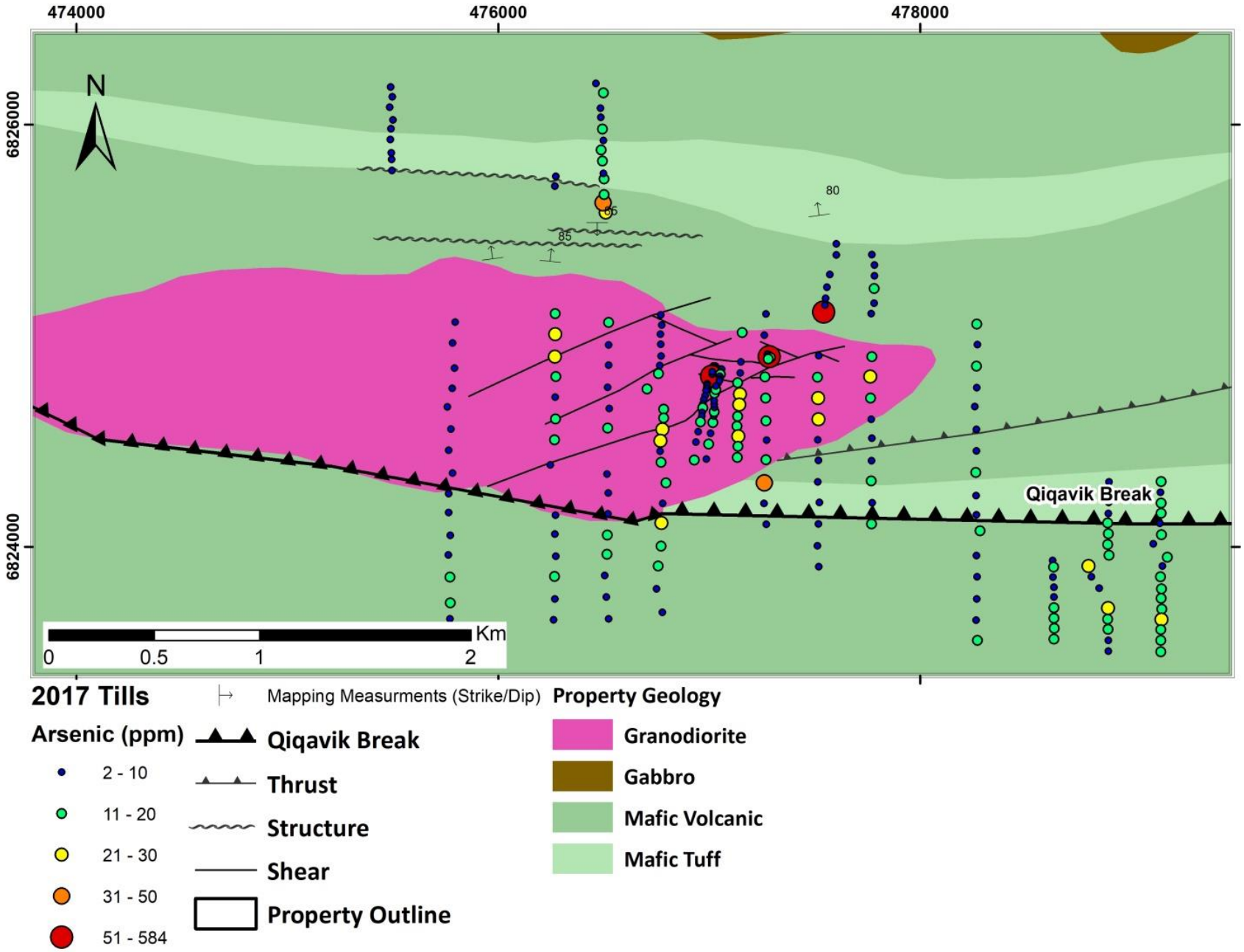


Figure 8.8 Location of the Till samples over the Central Qiqavik Area with Arsenic values

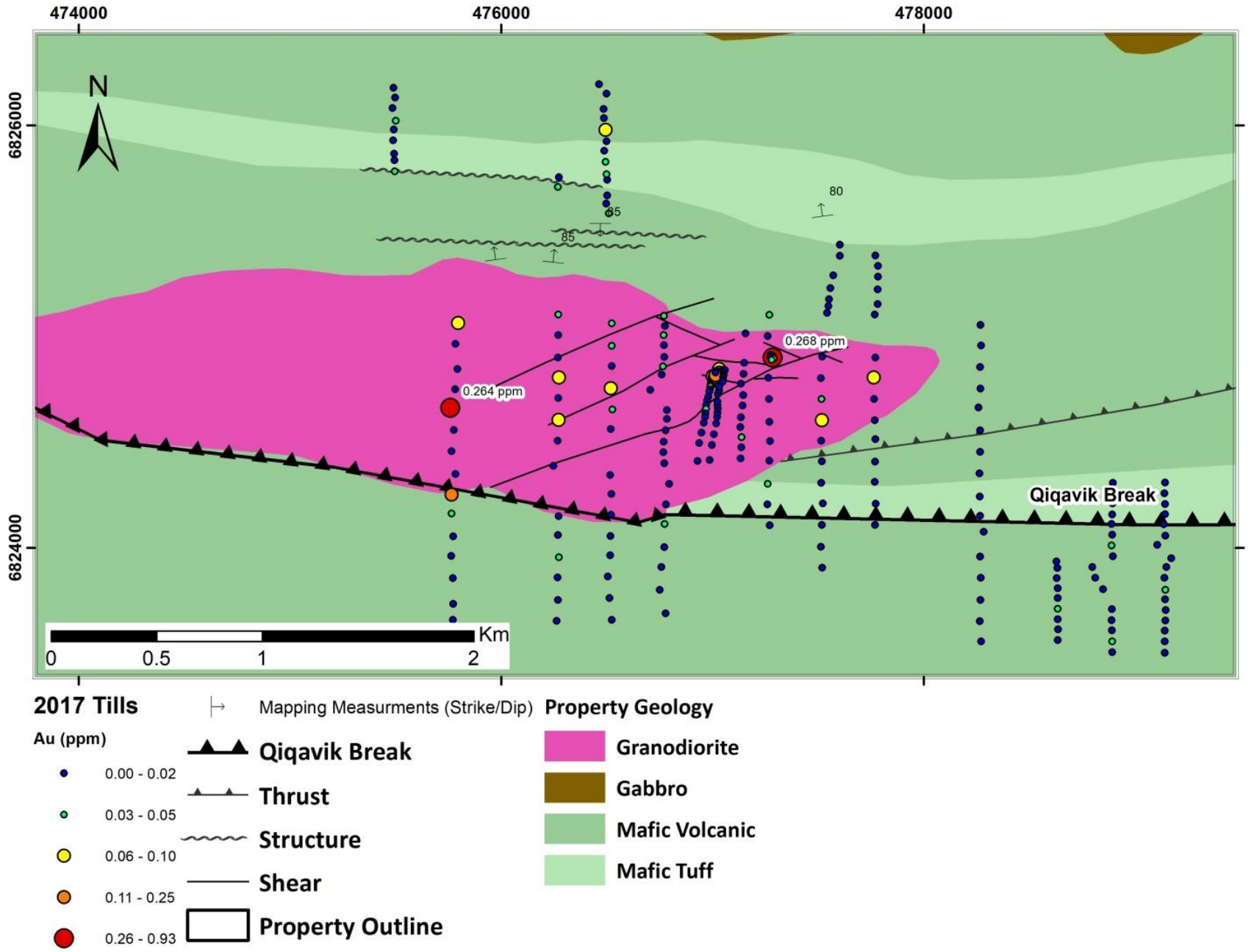


Figure 8.9 Location of the Till samples over the Central Qiqavik Area with Arsenic values

8.1.4 Gerfaut

Work on Gerfaut in 2017 started with a till program to extend part of the 2012 till samples grid to the south and by mapping along those lines.

During the program, a boulder with visible gold was found becoming a new area; Gerfaut South (Figure 8.10). Several boulders concentrated in 100 m^2 reported high gold anomalies associated with polymetallic mineralization like sample 66933 with 285.24 g/t Au, 1.49% Pb and 1% Zn and sample 66936 with 253.644 g/t Au, 0.73% Pb and 0.53 Zn.

One subcrop was found 350 meters south of the high gold bearing boulder and showed 4.65 g/t Au with 0.23% Pb. The source of the gold bearing boulder was not found during the campaign due to the lack of outcrop and lack of time in the area, extensive mapping work is necessary to understand the source of the anomaly. The Subcrop to the south is one possible source of the boulders with visible gold. This will be further investigated in the 2018 field station.

Till results for 2017 field work are shown in Figures 8.11 and Figures 8.12, a few weak anomalies are observed in gold and arsenic.

Property wide mapping and till sampling program is focused on sampling tills (frost boils) with less than 5kg of material for geochemical analysis. Over the several years of work on Qiqavik and Gerfaut it was noted that geochemical anomalies from the this type of till samples are generally lower in terms of values for metals and elements of interest, this may be a result of several factors such as the increased amount of overburden or a change in composition compared to areas like Esperance and Aurora.

To better understand possible sources of mineralized boulders and subcrop in the area, a grid of larger till samples (15kg) was planned. Due to time constraints only 40 samples of the new grid were collected and submitted to Services Geoscientifque IOS for gold grain count and morphology analysis. At the time of compilation of this report, results have not yet been received. Figure 8.13 shows the location of the 40 large till samples collected.

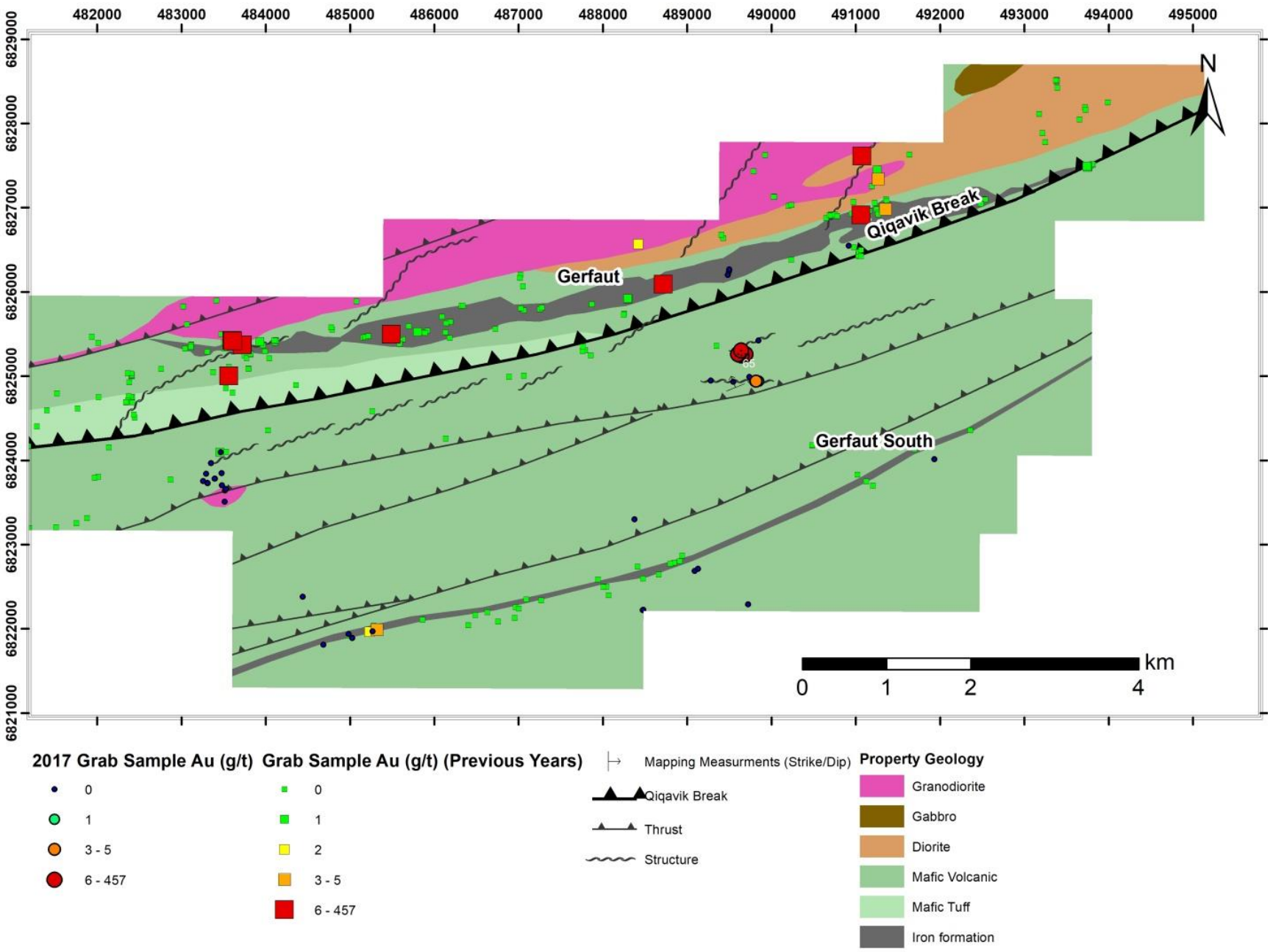


Figure 8.10 Location of the grab samples over the Gerfaut Area with gold values

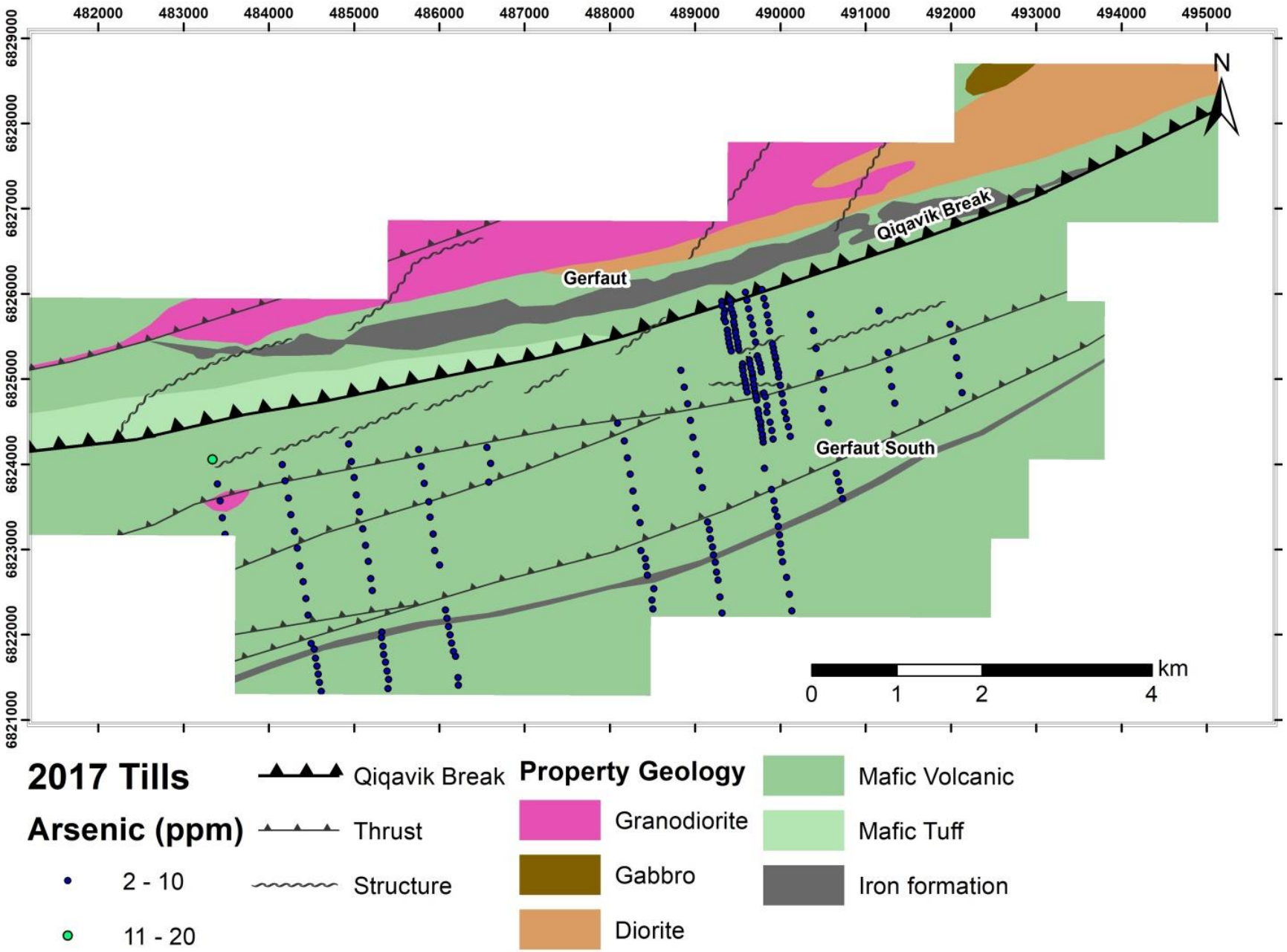


Figure 8.11 Location of the Till samples over the Gerfaut Area with Arsenic values

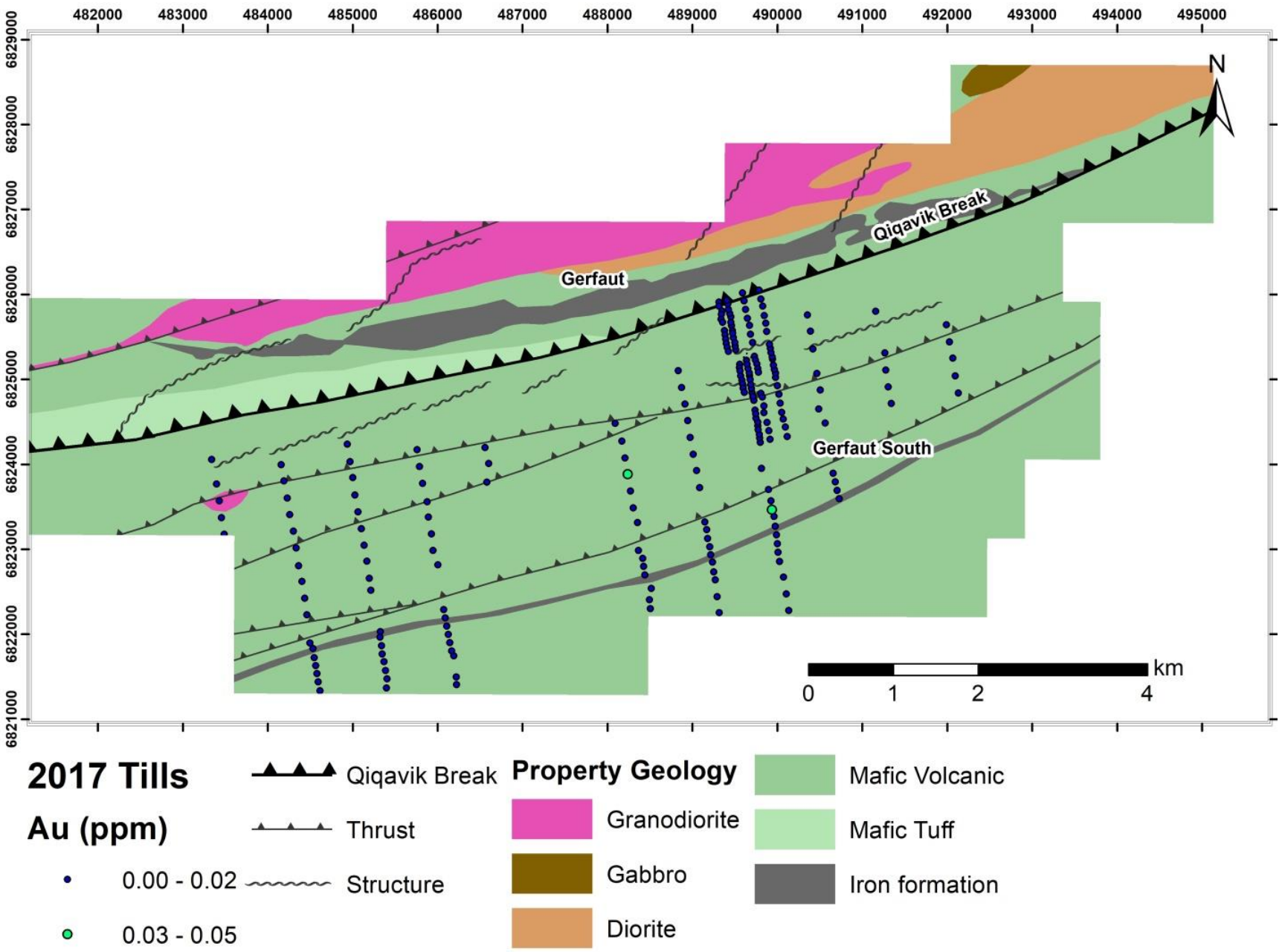


Figure 8.12 Location of the Till samples over the Gerfaut Area with Gold values

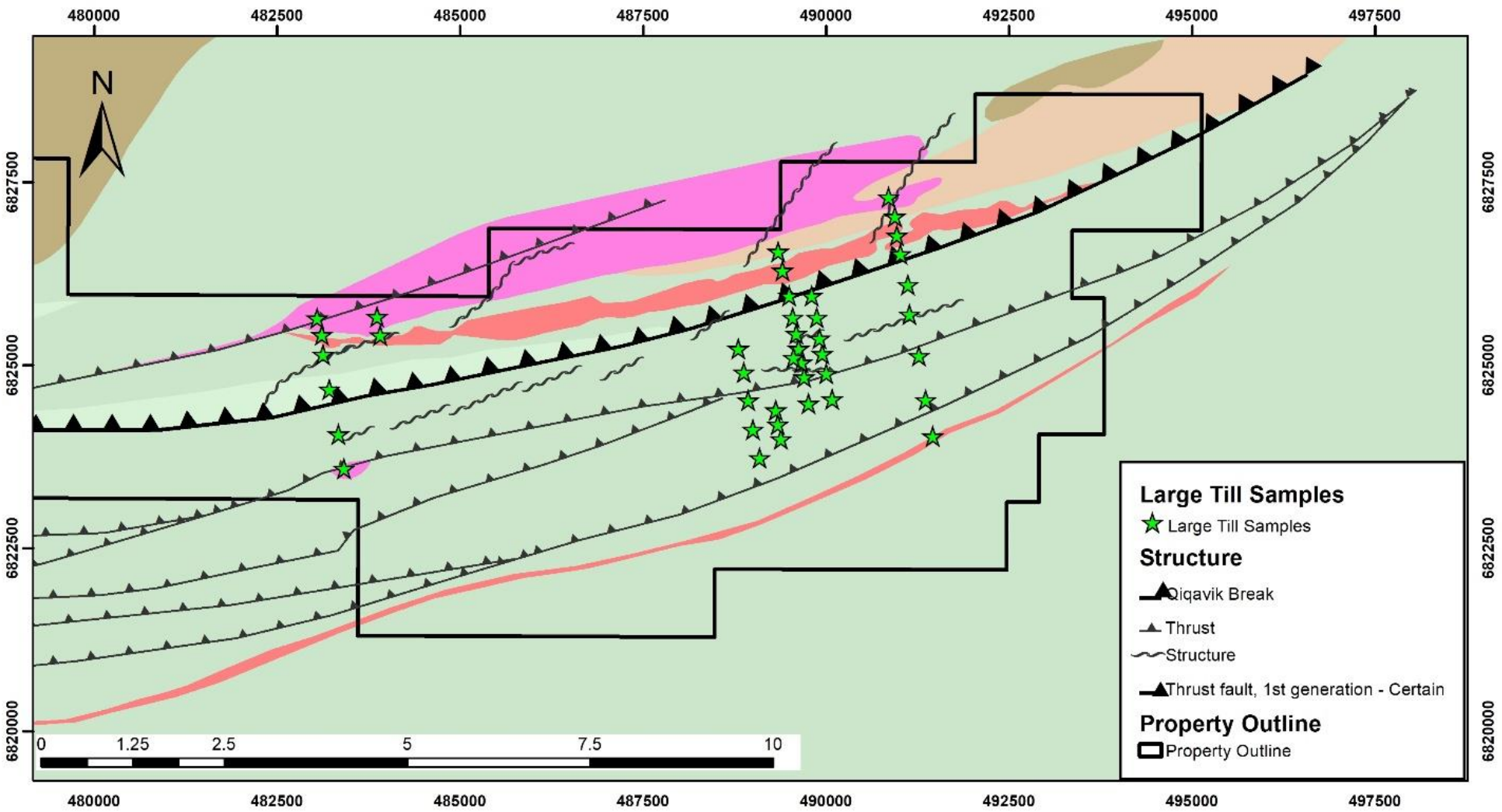


Figure 8.13 Location of the Large Till samples over the Gerfaut Area

8.2 Parent Mapping and Till Program

The 2017 mapping program on Parent was conducted simultaneously with the till sampling program. A total of 60 field stations and 48 surface rock samples were described (Map 2), collected and recorded with the use of portable electronic tablets. A total of 4 till samples were collected during the 2017 exploration program (Map 3).

The 2017 mapping program and till program on Parent focused on visiting and verifying reported anomalies described in the regional historical exploration programs (Figure 8.14). One grab samples near QK-16-001 reported 6.54 g/t Au with >10% As (Sample 66669) on the north-east side of the property of the Parent Property. Two grab samples (66435 and 66437) reported a gold anomaly 0.4 g/t and a copper anomaly of 0.45%Cu near the historical Kappa-2 showings reported by Giovenazzo, 1991 (MB9123).

8.2.1 Lineament Extraction and Structural interpretation

Other than the regional structural and geological data provided by SIGEOM for the region, little mapping has been completed on the Parent Property. The lack of trees and overburden cover on the Parent property, results in a large surface area of bedrock and sub-crop exposed at surface with minimal interference of overburden coverage. Given the very short weather window of July/August where there is no snow for surface work (mapping & sampling), remote sensing data was used to identify possible structures (as lineaments) and potential target areas for 2018 field work.

Multi-spectral signatures captured in remote sensing data can be used to identify mineralized rock types and thus target areas for the summer program. This can be used in conjunction with DEM data to identify structures and other features Parent is the ideal setting for the application of remote sensing data which is essential for planning an efficient program and a significant aid in targeting.

Remote sensing data was purchased from a commercial satellite which passes through Nunavik periodically. To be able to obtain high quality data, the satellite must pass over the area of interest several times on days with minimal clouds. Data was collected over the Parent property through several fly-bys and stitched together to obtain the clearest, cloud free data over the Parent Property.

To properly extract and correlate the structural information contained in the various layers of information available, the following steps were applied:

- Mag data from GM-53980 was used to generate various grids (total mag, Vertical gradient mag and analytic signal). The regional Ungava mag survey was used outside GM-53980 coverage. The mags were visually processed to outline different sets of lineaments using various image enhancement techniques (color spreads, hill shading, etc.). The regional Unagava mag was windowed to fit the new outline of the property.
- Lineaments were extracted from the 2m Arctic DEM in conjunction with the multi-spectral satellite imagery using various hill shading directions and angle.
- Mags were draped over the DEM to check for correlations
- Interpretation of the location of EM conductors was done on EM profiles from the available historical Mag-EM airborne survey. EM trends were used to check for discontinuities, bends and folding.
- All the lineaments extracted from the different types and scales of layers were constantly cross-checked and validated all along the process

Lineaments were extracted in a restrictive way. Each sets had to be validated on another layer of information to be kept as valuable. The result is a low density lineament map but each of these lineaments has better chances to be real and significant. An effort has been done to separate lithological contacts from structures. The result is shown in Figure 8.15.

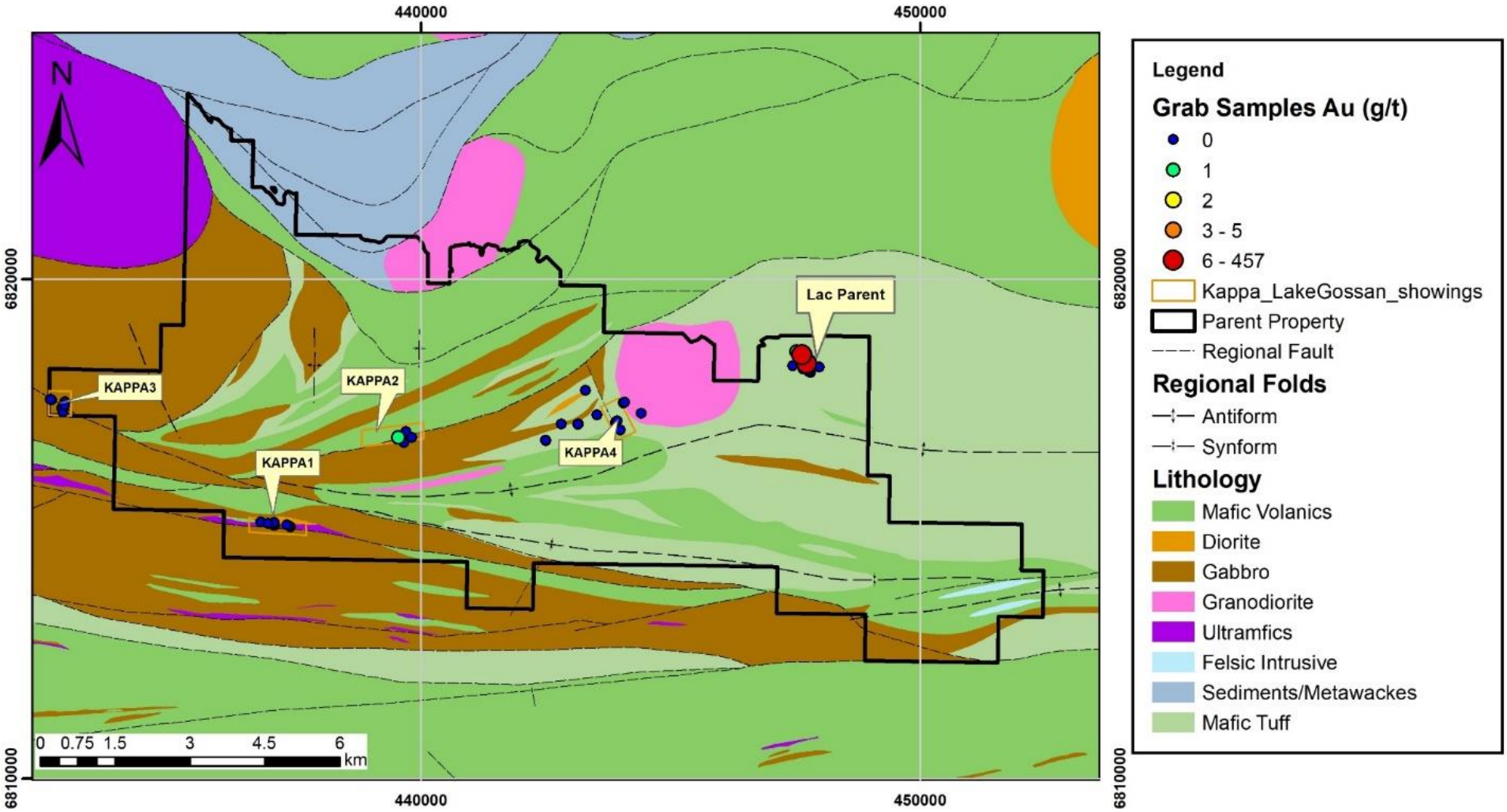


Figure 8.14 Location of the grab samples over the Parent property with gold values

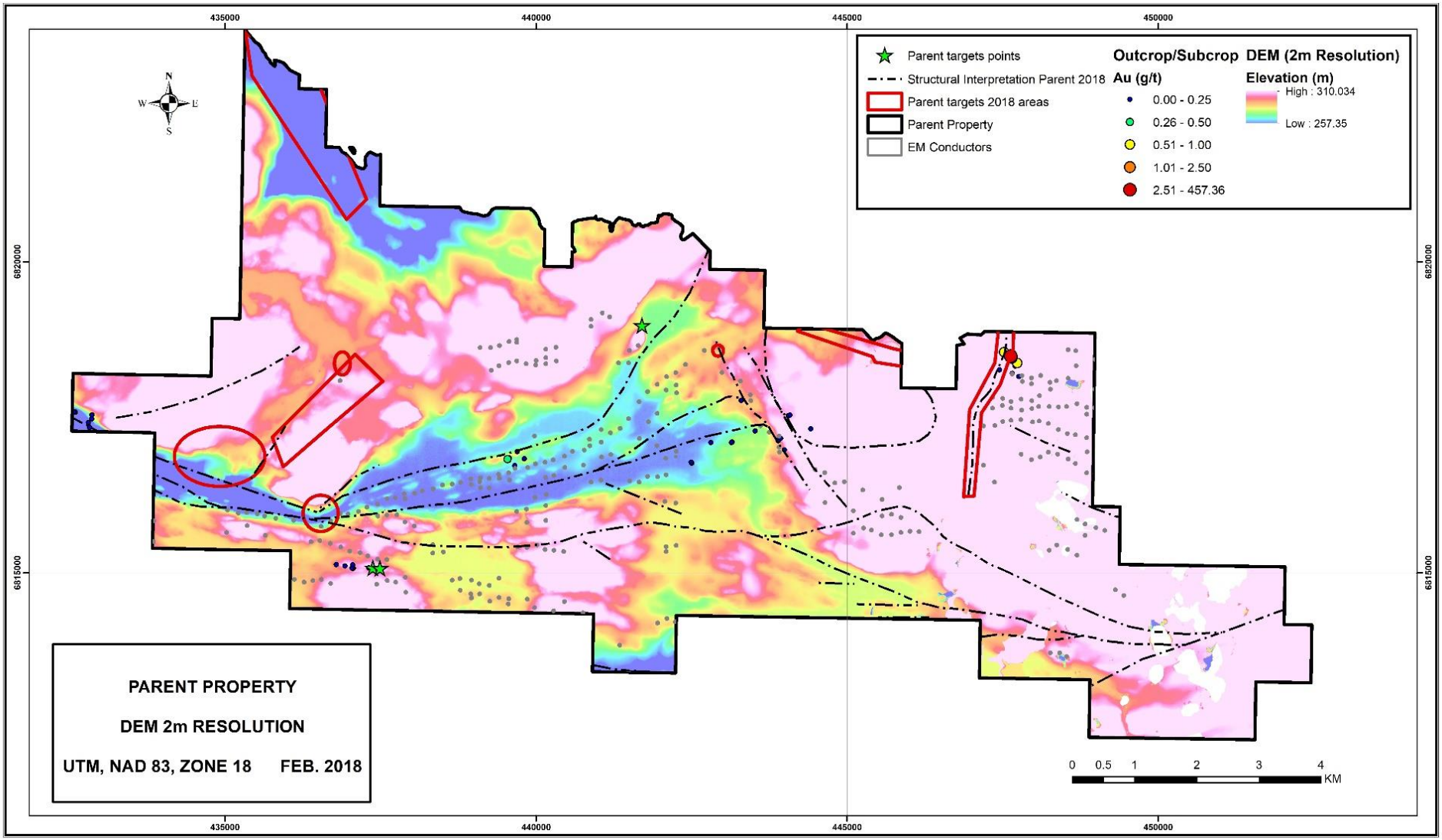


Figure 8.15 Structural interpretation - targeting results for 2018 field work follow up on DEM data map

8.3 Geophysical Surveys

Two Geophysical Surveys were completed in 2017 on the Qiqavik Property, IP and Magnetic Surveys entitled:

- Orevision IP, True North Nickel Inc, Qiqavik Project, Logistics and Interpretation Report
- Aerovision, True North Nickel Inc, Qiqavik Project, Logistics and Interpretation Report

No Geophysical surveys were performed on the Parent Property in 2017.

8.4 Geophysics & Exploration interpretation and conclusions

2017 IP was focused on the Esperance, Aurora and Central Qiqavik areas. The Drone magnetic survey covered approximately the same areas and was used to identify the structures shown in the figure and maps in this, and other report sections, conjunction with field data collected during the 2017 and previous field season(s).

Gold mineralization was successfully drill tested at Esperance along 300 meters of a 1.3 km structure, and at Esperance West along 650 metres of a 2.0 km structure.

The 1.2km chargeability/conductivity anomaly was identified in 2016 and is associated with the 1.3km Esperance structure and mineralization, has found to continue for 3km to the west until the most western edge of the Qiqavik Property (Esperance West) Figure 8.16. The Esperance West conductive trend is considered an extension of the 2016 Esperance zone. Esperance west shows mineralized grab samples co-incident with the main trend of conductivity up to 13.2 g/t Au and 3.7% Cu and the entire 4.3km strike length of the Esperance main trend remain a target for future drill programs.

In addition to the Esperance main trend, the IP results show additional chargeability trends (Figure 8.16). To the south is a “priority 2” chargeability trend associated with a resistive trend. This trend has two mineralized samples collected in 2017 which returned 0.7 g/t Au and 1.21% Cu and 6.68 g/t Au and 0.9% Cu. This remains a potential secondary trend which requires more mapping and verification.

To the north of the main Esperance trend, several other IP anomalies are identified and projected to surface, which do have similar mineralized samples associated with them. At this time, it is not known if this is an additional target trend or if the source of the mineralized samples is really the main Esperance trend. More mapping is required.

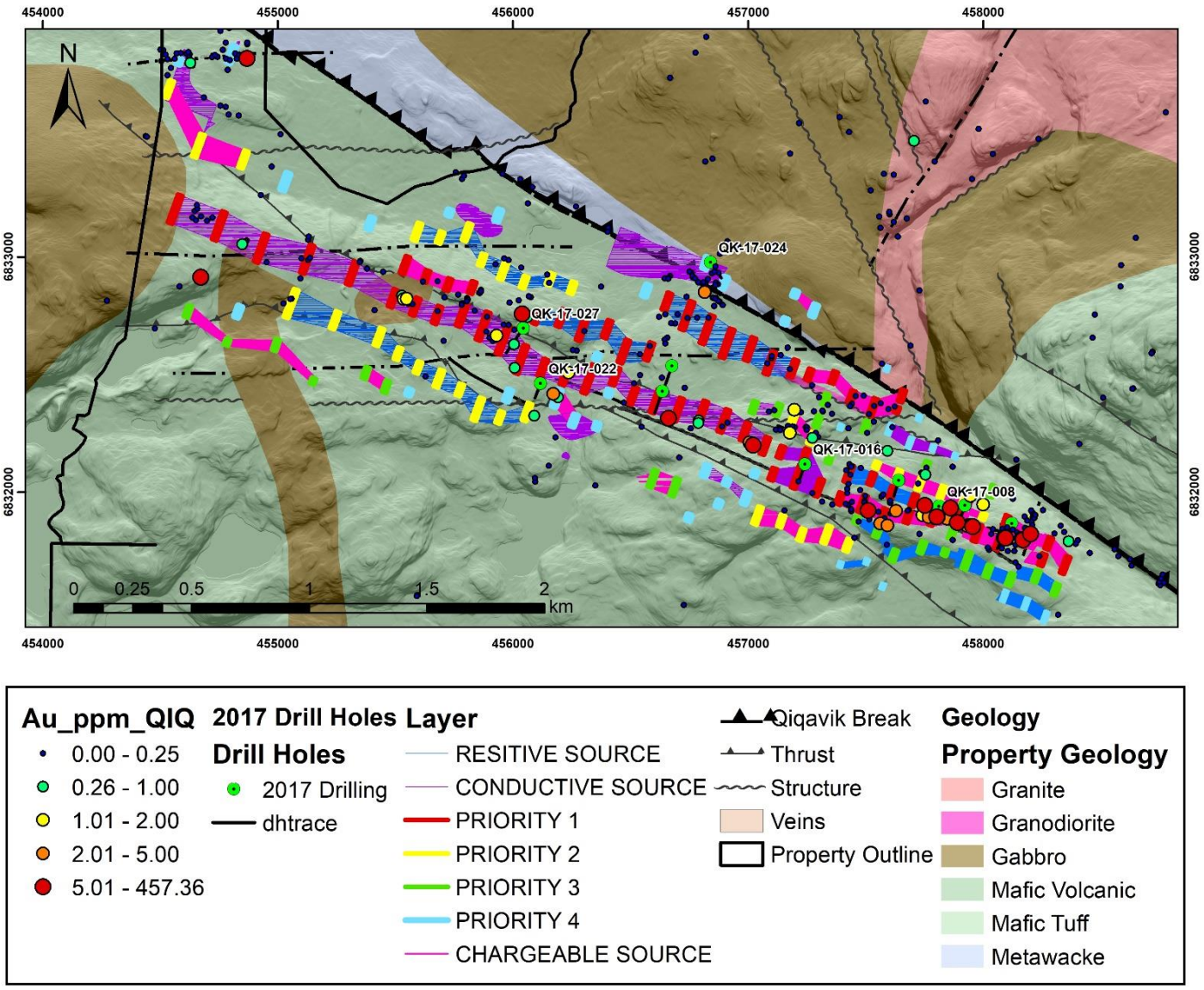


Figure 8.16: Esperance Chargeability Trends

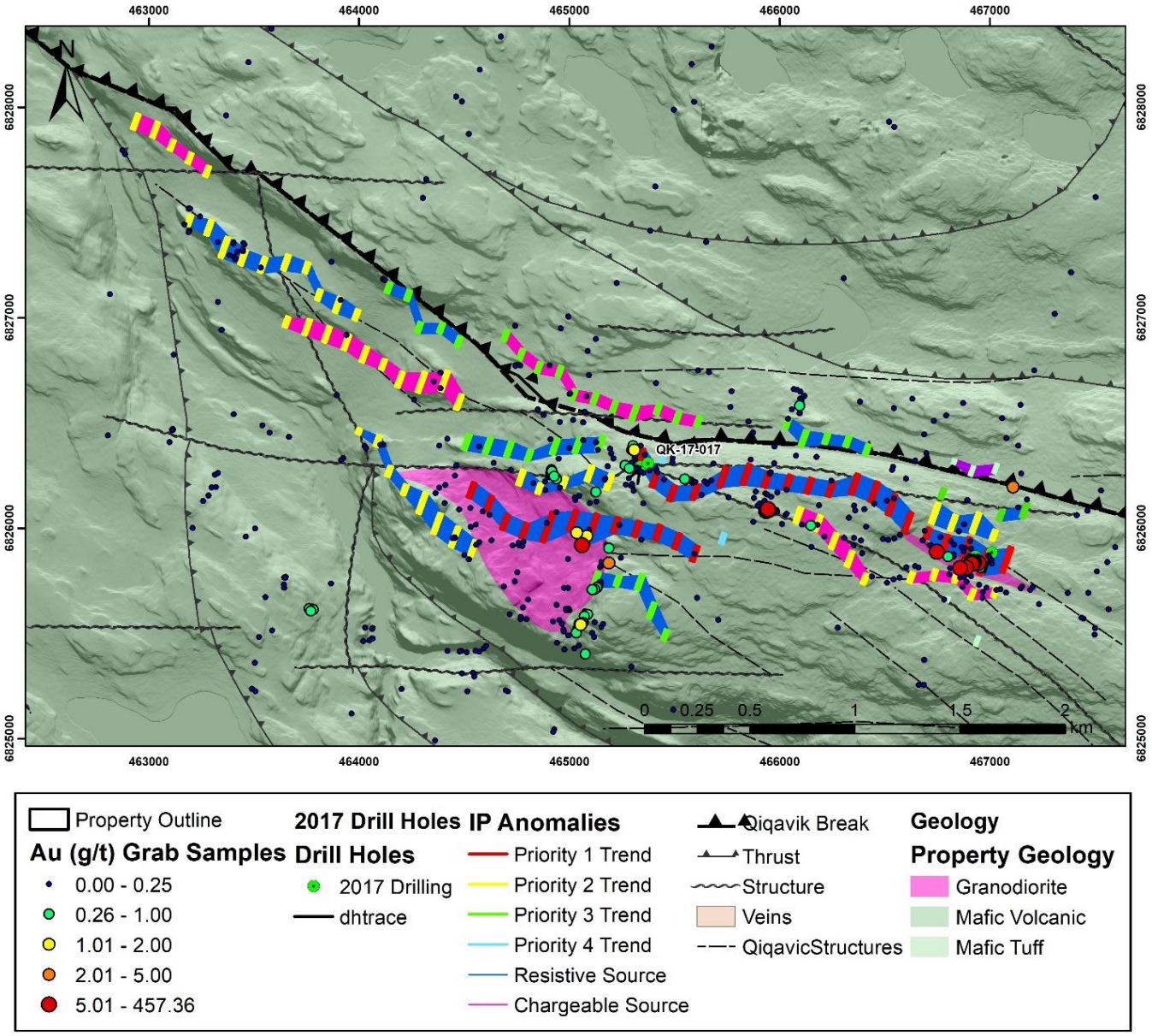


Figure 8.17: Aurora Chargeability Trends

The original Aurora showing is marked by a chargeable zone to the north associated with iron rich sediments (Figure 8.17), the trend continues 1.5km to the West to Aurora West and is not likely directly related to mineralization. The Aurora to Aurora West Trend is a low-sulfide mineralized trend, as a result a strong chargeability response is not expected. More mapping is required in this area to understand mineralization controls and IP responses.

The Focused intrusive is cross cut by a “priority 1” chargeable zone (Figure 8.17) and is proximal to a grab sample grading 8.93 g/t gold while the other nearby chargeable trends seem to be cut by the intrusive which likely pre date mineralization associated with the intrusion and are likely not targets.

Many of the central zone high grade Au grab samples were collected during the 2017 field season, compared to Esperance and Aurora whose discoveries were made in 2016 and expanded upon in 2017. High-grade grab samples occur both as shears and quartz veins within the Central granodiorite intrusion with galena, sphalerite and lesser arsenopyrite as well as outside of the Central Granodiorite, to the North and South.

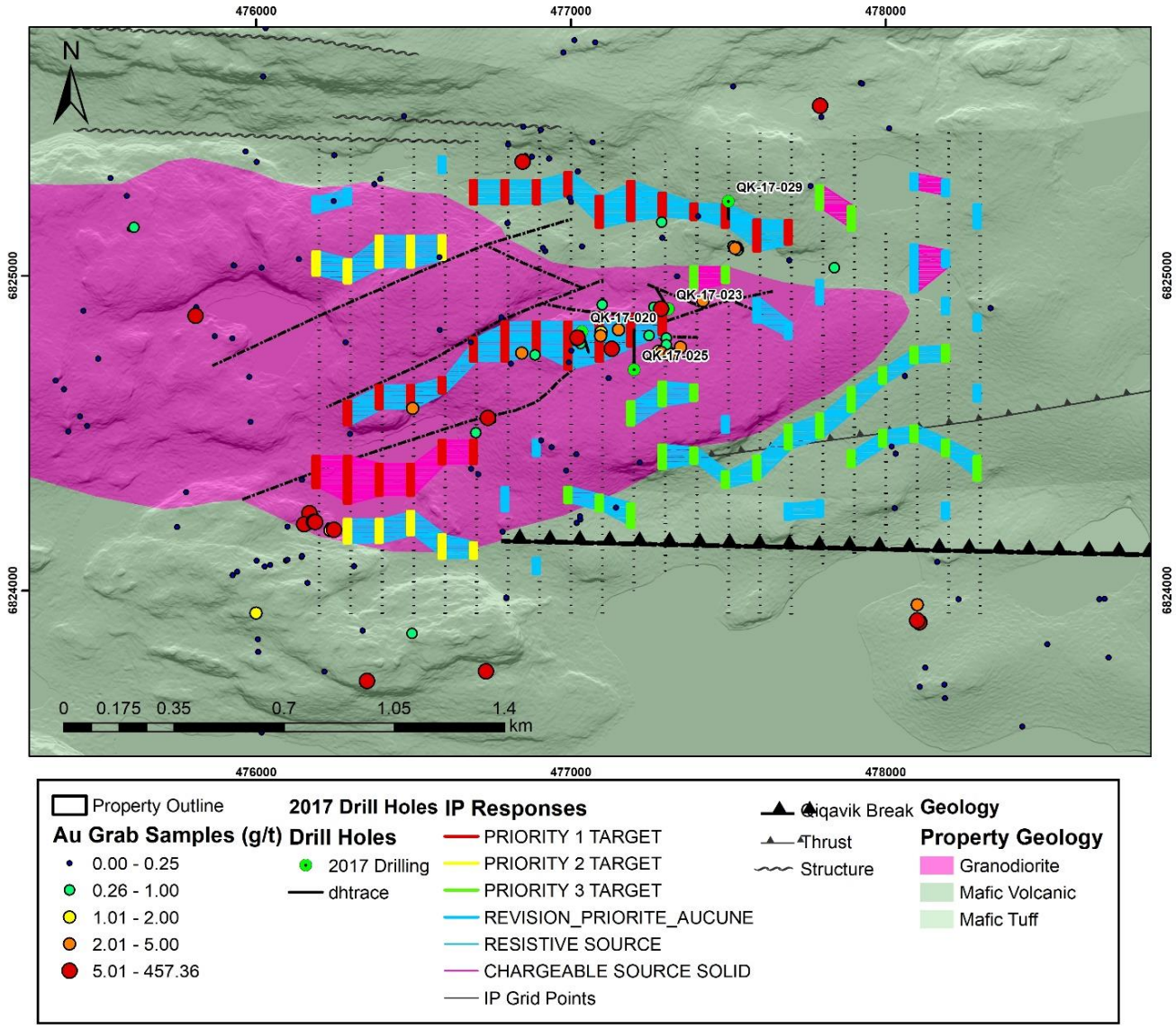


Figure 8.18: Central Zone IP trends

The IP grid shown in Figure 8.18 needs to be extended to the north and south and to the west to cover the mineralization outside of the Central instrusive and the western extension on the Central granodiorite. There are several high priority targets for follow up in the 2018 field season

- A group of mineralized quartz veins at the southern contact of the Central granodiorite sit just west of a “priority 2” IP trend.
- Group of mineralized and sheared samples proximal to holes QK-17-020, QK-17-023 & QK-17-025. While no significant mineralization was intercepted (max value 0.4g/t in hole QK-17-023), this area is co-incident with a “priority 1” IP trend and several structure which cross the Central Granodiorite
- All other areas containing mineralized grab samples should be included in central Qiqavik mapping program in 2018 to understand the relationship between mineralized grab samples both inside and outside of the Central Granodiorite.

Geophysical surveys were not completed on Gerfaut & Gerfaut South zones, more mapping is required in these areas to better understand controls on mineralization.

No geophysical surveys were completed on the Parent property in 2017. This area is considered lower priority compared to the main Qiqavik areas of interest.

9- DRILLING

Historical Drilling

Limited drilling has been completed on the Qiqavik property. In 1996, Falconbridge Ltd completed a 325-metre drill program in 2 holes, described in Section 4 (Exploration History) of this report.

Orford Mining Drilling

In 2016, Orford Mining Corporation completed a 550-metres drill program in 6 holes, QK-16-001 to QK-16-006. The drilling program focused on the Gerfaut Area, in the Eastern part of the Qiqavik property, to test IP anomalies defined in the early stages of the 2016 program. Hole QK-16-001, for 68 metres, was drilled on the Parent property, 12 kilometres to the southwest of Qiqavik while holes QK-16-002 to QK-16-006 were drilled on the main Qiqavik property. Drilling operations were completed using a helicopter-portable drill rig under contract with Major Nuvumiut from Rouyn-Noranda, which is a partnership between Major Drilling and Nuvumiut Development.

In 2017, Orford Mining Corporation completed a 2,722.5 metres drill program in 23 holes, QK-17-007 to QK-17-029, on the Qiqavik property (Table 9). The drilling program focused on three different area of the property; Esperance, Aurora and Central, to test IP anomalies defined in 2016 and early 2017 along with surface mineralization anomalies found in 2016 and early 2017. Drilling operations were completed using two helicopter-portable drill rigs under contract with G4 Drilling from Val d'Or, Quebec. Figure 9.1 shows the location of the 2017 drill holes over the Qiqavik property.

9.1 Drilling methodology

Drill holes sites were marked in the field with wood pickets at predetermined locations using a differential GPS and the Mazac Smart Aligner Tool. Survey of collar location and azimuth/dip were measured with the use of differential GPS and the Mazac Smart Aligner Tool once the drill hole was completed. Drill core was oriented in order to collect structural information.

Diamond drilling was carried out on a 24-hour basis. Upon completion of each hole, drill sites were inspected to ensure cleanliness and pictures were taken before and after drilling. Drill holes casings were capped and identified. The core was transported by helicopter to Chukotat Camp, where logging and sampling were conducted. Drill core is currently stored at the Chukotat Camp core yard, stacked on pallets.

9.2 Logging procedure

Logging procedures were conducted according to usual industry practice. Recorded data included core length, RQD, core box numbering and geological information such as lithology, alteration, structure and mineralization. Data, including sampling intervals, were captured in DH Logger software. Sampling intervals were defined by lithology and abundance of mineralization with a minimum length of 0.3m and a maximum length of 1.5m. Sampling identification tags were left in the boxes. Pictures of complete core were systematically taken and archived.

Once logging was completed, the core boxes were moved to a core rack sorted by the core boxes number and ultimately moved in the core saw room for sampling.

Table 9: Summary of 2017 drilling (coordinates in UTM, NAD 83, zone 18)

Hole Number	Northing (Metres)	Easting (Metres)	Elevation (Metres)	Area	Azimuth (Degrees)	Dip (Degrees)	Depth (Metres)
QK-17-007	6825884.25	467007.52	411.382	Aurora	199.7	-45.0	141.0
QK-17-008	6831940.64	457811.76	300.874	Esperance	199.3	-44.0	108.53
QK-17-009	6825865.48	466929.84	419.995	Aurora	202.2	-46.0	138.0
QK-17-010	6831942.44	457922.02	297.113	Esperance	199.6	-43.5	81.0
QK-17-011	6831943.61	457922.33	297.141	Esperance	0	-90.0	63.0
QK-17-012	6832050.28	457640.53	304.491	Esperance	196.9	-44.4	96.0
QK-17-013	6832051.13	457640.82	304.48	Esperance	196.9	-81.2	84.0
QK-17-014	6826292.48	465338.33	399.57	Aurora West	189.4	-46.5	117.0
QK-17-015	6832118.22	457241.10	303.81	Esperance	198.1	-44.7	93.0
QK-17-016	6832119.31	457241.41	303.64	Esperance	198.1	-80.0	73.0
QK-17-017	6826308.69	465374.20	399.22	Aurora West	233.0	-45.0	162.0
QK-17-018	6832429.40	456635.39	277.61	Esperance West	199.6	-45.4	138.0
QK-17-019	6832537.58	456676.33	276.24	Esperance West	199.0	-46.0	189.0
QK-17-020	6824822.00	477036.00	410.00	Central	162.4	-45.5	96.0
QK-17-021	6832461.73	456117.07	279.62	Esperance West	200.3	-46.0	93.0
QK-17-022	6832462.68	456117.33	279.62	Esperance West	200.3	-79.0	111.0
QK-17-023	6824894.00	477310.00	410.00	Central	330.0	-45.0	111.0
QK-17-024	6832978.00	456840.00	270.00	Esperance West	145.0	-45.0	114.0
QK-17-025	6824701.00	477201.00	410.00	Central	0	-45.0	180.0
QK-17-026	6832697.00	456044.00	280.00	Esperance West	215.0	-69.0	102.0
QK-17-027	6832697.00	456044.00	280.00	Esperance West	215.0	-45.0	180.0
QK-17-028	6831868.00	458121.00	300.00	Esperance	210.0	-45.0	174.0
QK-17-029	6825236.00	477501.00	425.00	Central	180.0	-45.0	78.0
						Total	**2722.5**

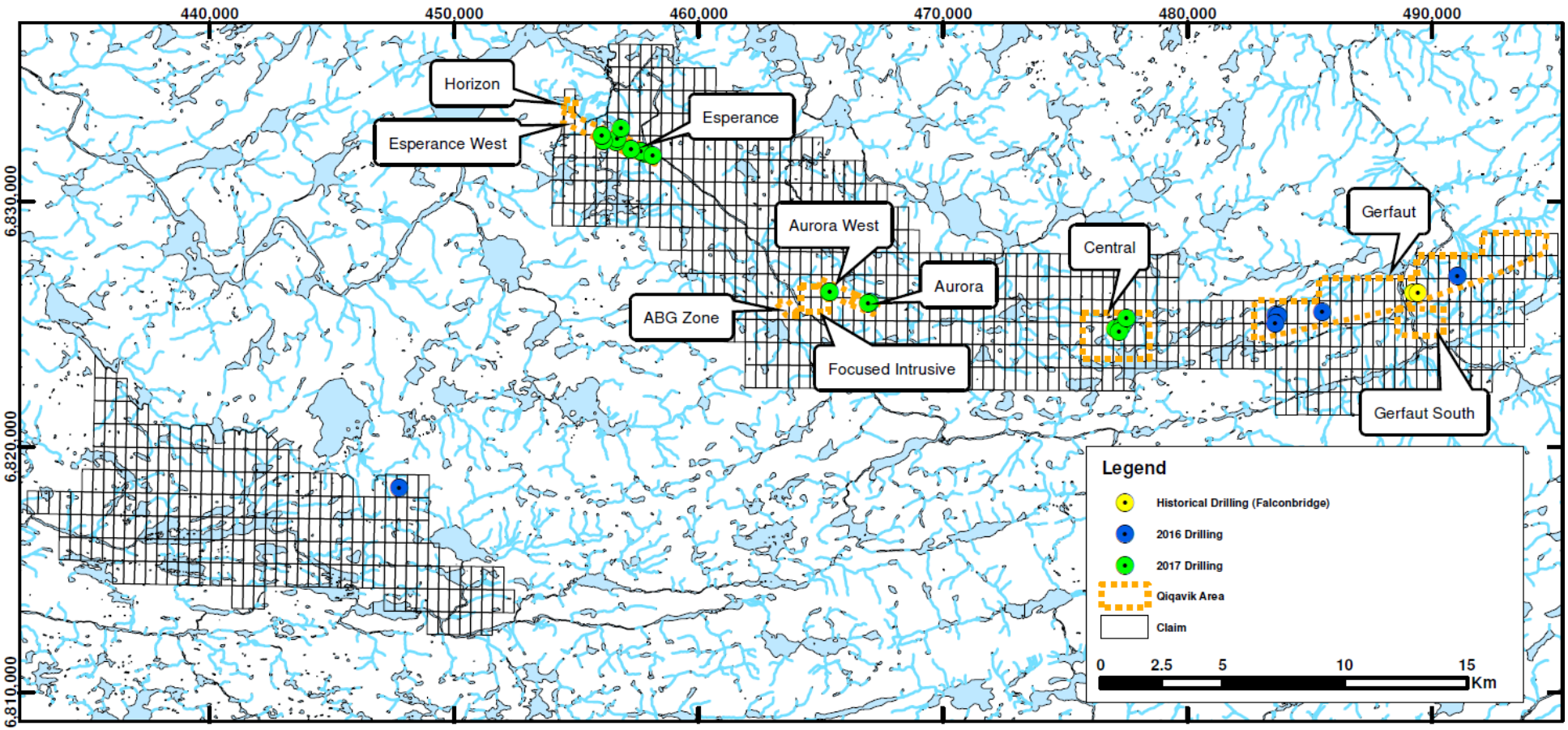


Figure 9.1 Location of drill holes over the Qiqavik and Parent property

9.3 2017 Drilling results

The 2017 drilling campaign occurred in July and August as part of the Qiqavik exploration program 2017, In total, 2,722.5 meters were drilled on different area of the property at Aurora, Aurora West, Esperance, Esperance West and Central. Graphic cross-sections of each drill hole completed by Orford Mining in 2017 are provided in Appendix 5 in 11X17 formats. The drill logs of each drill holes and the assay certificates can also be found in Appendix 6 and 7.

9.3.1 Esperance and Esperance West

Drilling at Esperance in 2017 (holes QK-17-008, QK-17-010 to QK-17-013, QK-17-015, QK-17-016 and QK-17-028) targeted several geophysics anomalies that were coincident with anomalous grab samples on the Esperance Trend.

Drilling has confirmed the presence of the shear zone at depth with some sulphide mineralization.

Drilling targeted on new mineralized occurrences discovered in 2017 at Esperance West (holes QK-17-018, QK-17-019, QK-17-021, QK-17-022, QK-17-024 QK-17-026 and QK-17-027) has confirmed the extension of the shear zone with local sulphide mineralization at depth, including chalcopyrite.

Figure 9.2 shows a map of the drill holes over Esperance and Esperance West.

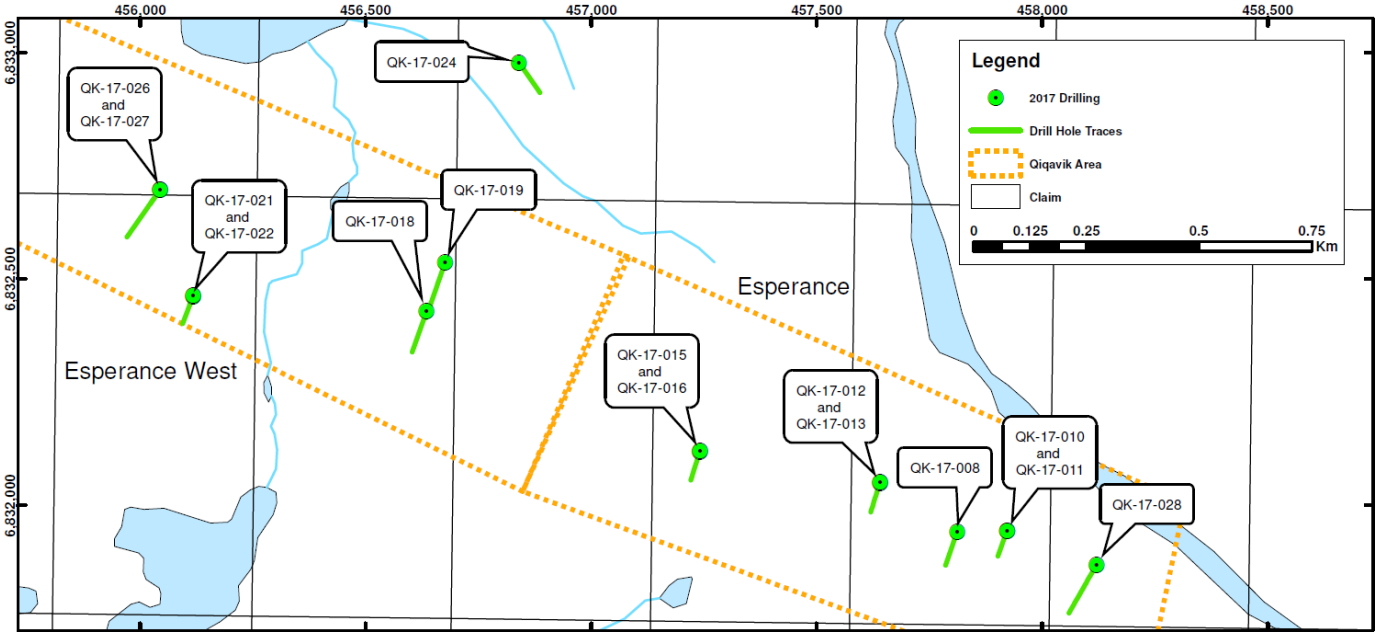


Figure 9.2 Location of 2017 Drill Holes over Esperance and Esperance West

9.3.1.1 QK-17-008

Drill hole QK-17-008 was drilled to target a 2016 high chargeability anomaly at 70m depth coincident with a 2016 grab sample up to 20.1 g/t Au & 0.3% Cu along the Esperance Trend.

The drill hole started in a sequence of sheared and altered mafic volcanics up to 39 meters. Stringers of arsenopyrite and chalcopyrite was found between 17.15 and 24.4 meters showing anomalous gold results including a 8.83 g/t Au over 50cm at 17.5 meters and a sequence of sulphide stringers at 22.19 meters over 3cm showing 0.84 g/t Au and 2.9% Cu. Drill hole QK-17-008 continued in a plagioclase phyric basalt up the end of the hole at 108.5 meters.

Although the high chargeability anomaly was targeted at 70 meters, the stringers found around 20 meters are interpreted to be the explanation of the geophysics anomaly.

Figure 9.3 shows a cross-section of QK-17-008.

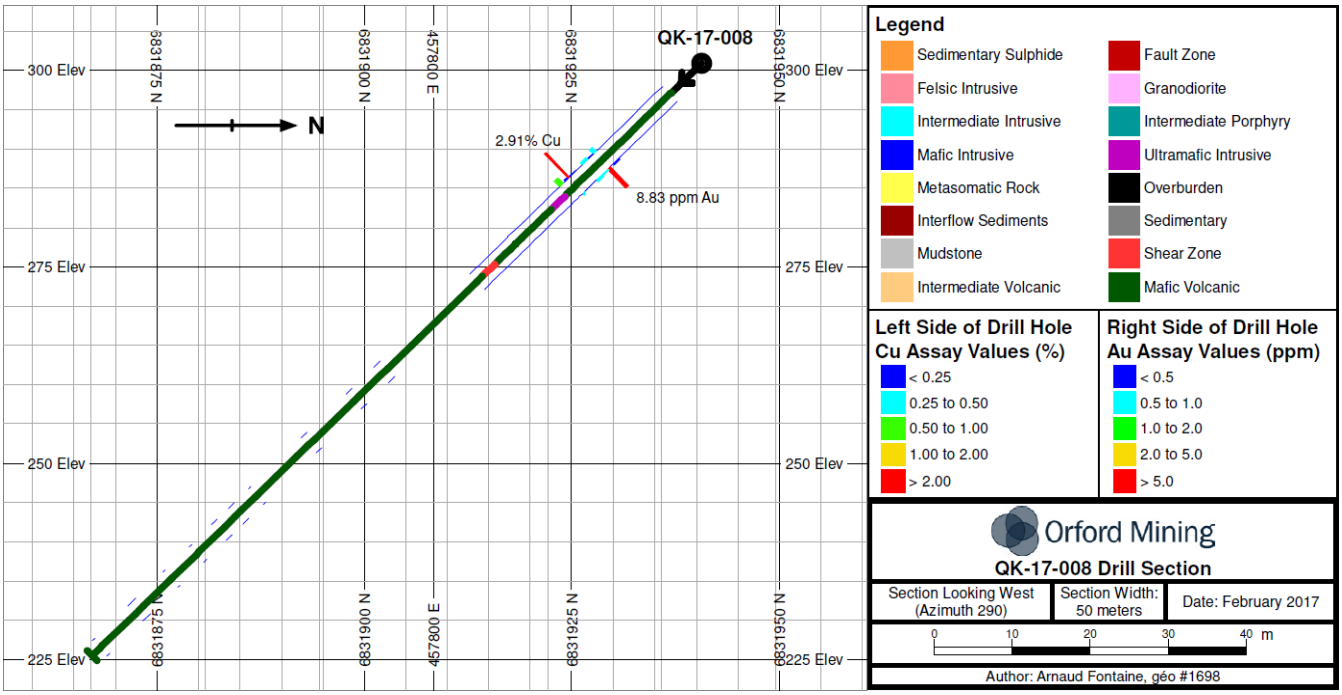


Figure 9.3 QK-17-008 Drill Section

9.3.1.2 QK-17-010 and QK-17-011

Drill hole QK-17-010 was drilled to target a 2016 high chargeability anomaly at 25m coincident with a 2016 grab sample up to 9.65 g/t Au 1.2% Cu along the Esperance Trend.

The hole started in altered and foliated basalt where pyrite and pyrrhotite stringers parallel to host fabric were found starting around 6 meters. Higher concentration of sulphides vein was found between 29 and 33 meters. An arsenopyrite vein of 5cm parallel to fabric was found at 33 meters. Assay results showed two gold anomalies around the vein. The first one of 1.85 g/t Au over 34cm is associated with a chalcopyrite stringer while the second anomaly of 2.17 g/t Au at 33 meters is directly associated with the arsenopyrite vein. From 34 to 43 meters, QK-17-010 intersected a sheared mafic volcanic unit. The hole continued into a sequence of basalt and plagioclase phyric basalt up to the end of the hole at 81 meters. The sequence of sulphides veins between 29 and 33 meters is interpreted to be the source of the high chargeability anomaly.

Drill hole QK-17-011 was drilled to show to continuity of the mineralization and the structure of the drill hole QK-17-010 and was drilled the reproduce the 2016 high chargeability target of QK-17-010 at 35 meters.

The drill hole started in basalt to intersect a shear zone from 12.8 to 16.7 meters. The drill hole return in a sequence of basalt and foliated basalt up to the end of the hole at 63 meters. Small stringers of chalcopyrite and arsenopyrite were found at 21 meters and in higher concentration between 29 and 38 meters. Results showed many gold anomalies associated with the arsenopyrite veins, including a 3.35 g/t Au over 60cm at 30.9 meters.

The stringers found between 29 and 38 meters is interpreted to be the source of the high chargeability anomaly and the continuity of the stringers sequence found between 29 and 33 meters in drill hole QK-17-010.

Figure 9.4 shows a cross-section of QK-17-010 and QK-17-011.

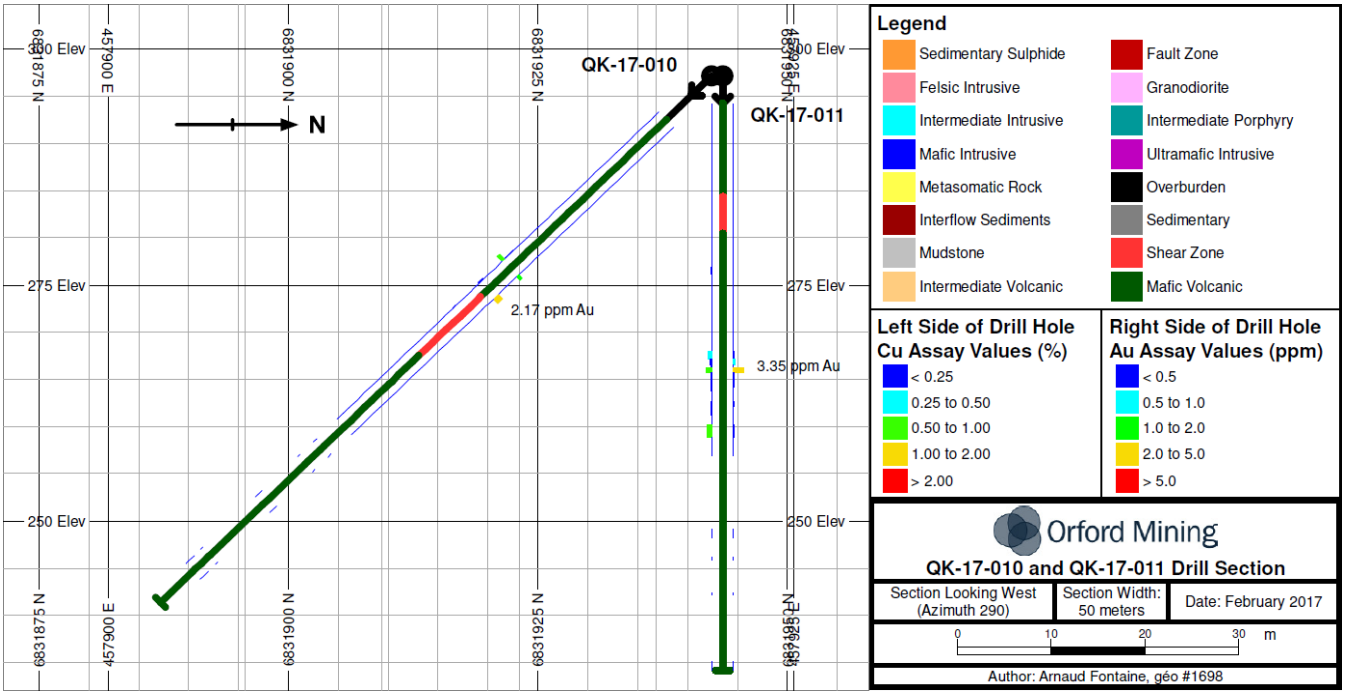


Figure 9.4 QK-17-010 and QK-17-011 Drill Section

9.3.1.3 QK-17-012 and QK-17-013

Drill hole QK-17-012 was drilled to target a 2016 high chargeability anomaly at 70m coincident with a 2016 grab sample up to 4.18 g/t Au along the Esperance Trend.

The drill hole started in basalt up to 30.2 meters where a 50cm intermediate porphyritic dyke was intersected. The hole continued in basalt to intersect another intermediate porphyritic dyke at 42.95 meters of 45cm to follow in a sequence of plagioclase phyric basalt and aphanitic basalt up to 62.2 meters. QK-17-012 then intersected a 50cm intermediate porphyritic dyke and continued basalt up to 81.44 meters where a shear zone was intersected up to 83.3 meters. From 68 meters to 83 meters, the hole showed 4% stringers of pyrrhotite and chalcopyrite giving gold anomalies associated with the chalcopyrite like 1.68 g/t Au with 0.5% Cu over 60cm at 72.8 meters and 1.68 g/t Au with 1.56% Cu over 75cm. From 81.44 to 83.3 meters, a sequence of stringers of pyrite, pyrrhotite, sphalerite and arsenopyrite showed a gold anomaly of 1.48 g/t Au with 1.24% Zn over 49cm at 81.92 meters directly associated to the arsenopyrite and sphalerite stringers. The drill hole continued in basalt up to the end of the hole at 96 meters.

The sequence of stringers found between 68 to 83 meters is interpreted to be the source of the geophysics anomaly.

Drill hole QK-17-013 was drilled to show to continuity of the mineralization and the structure of the drill hole QK-17-012 and was drilled the reproduce the 2016 high chargeability target of QK-17-012 at 80 meters.

The drill hole started in a basalt and, similar to drill hole QK-17-012, intersected a series of intermediate porphyritic dyke between 18.5 and 69.1 meters. QK-17-013 then intersected a 20cm shear zone to return into basalt up to the end of the hole at 84 meters. A sequence of pyrrhotite, chalcopyrite and locally arsenopyrite was found between 62.7 and 71.4 meters in the drill hole, giving gold anomalies associated to the arsenopyrite and chalcopyrite veins like a 2 g/t Au with 2.19% Cu over 30cm at 69.35 meters.

The stringers found between 62.7 and 71.4 meters is interpreted to be the source of the high chargeability anomaly and the continuity of the stringers sequence found between 68 and 83 meters in drill hole QK-17-012.

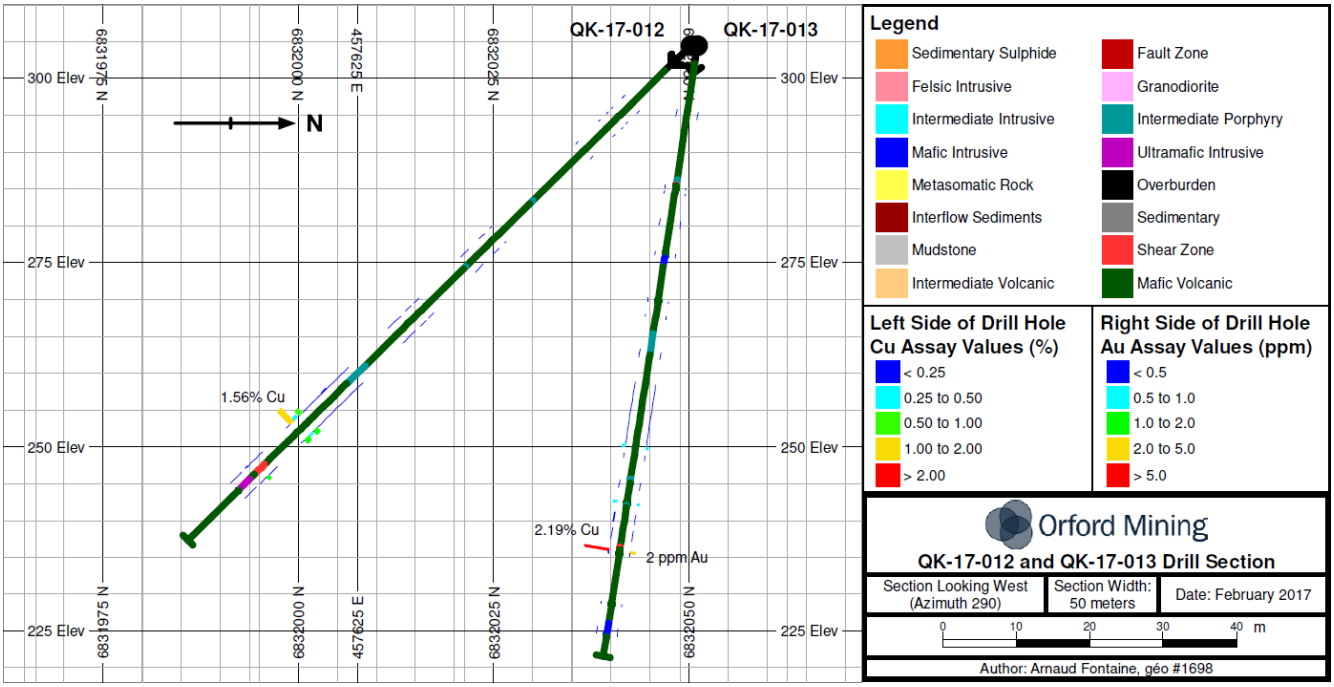


Figure 9.5 QK-17-012 and QK-17-013 Drill Section

9.3.1.4 QK-17-015 and QK-17-016

Drill hole QK-17-015 was drilled to target a 2016 high chargeability anomaly at 45m depth along the Esperance trend.

The drill hole started in a series of basalt and plagioclase phyric basalt to intersected an ultramafic intrusive at 70.3 meters. At 75 meters, QK-17-015 continued in a series of basalt and plagioclase phyric basalt to the end of the hole at 93 meters. Sulphides stringers (2%) were found around the ultramafic dyke, mainly pyrrhotite with a small presence of arsenopyrite at 78 meters.

No anomaly was found in the drill hole. The pyrrhotite stringers are interpreted to be the source of the chargeability anomaly.

Drill hole QK-17-016 was drilled to show to continuity of the mineralization and the structure of the drill hole QK-17-015 and was drilled the reproduce the 2016 high chargeability target of QK-17-015 at 60 meters.

The drill hole started in plagioclase phyric basalt to end up in the same unit at 73 meters. Small stringers of pyrrhotite were found between 15.5 and 20 meters and also between 61.5 and 62.7 meters.

No anomaly was found. Qk-17-016 failed to show the continuity of the stringers in QK-17-015 and nothing was found to explain the geophysics anomaly in drill hole QK-17-016.

Figure 9.6 shows a cross-section of QK-17-015 and QK-17-016.

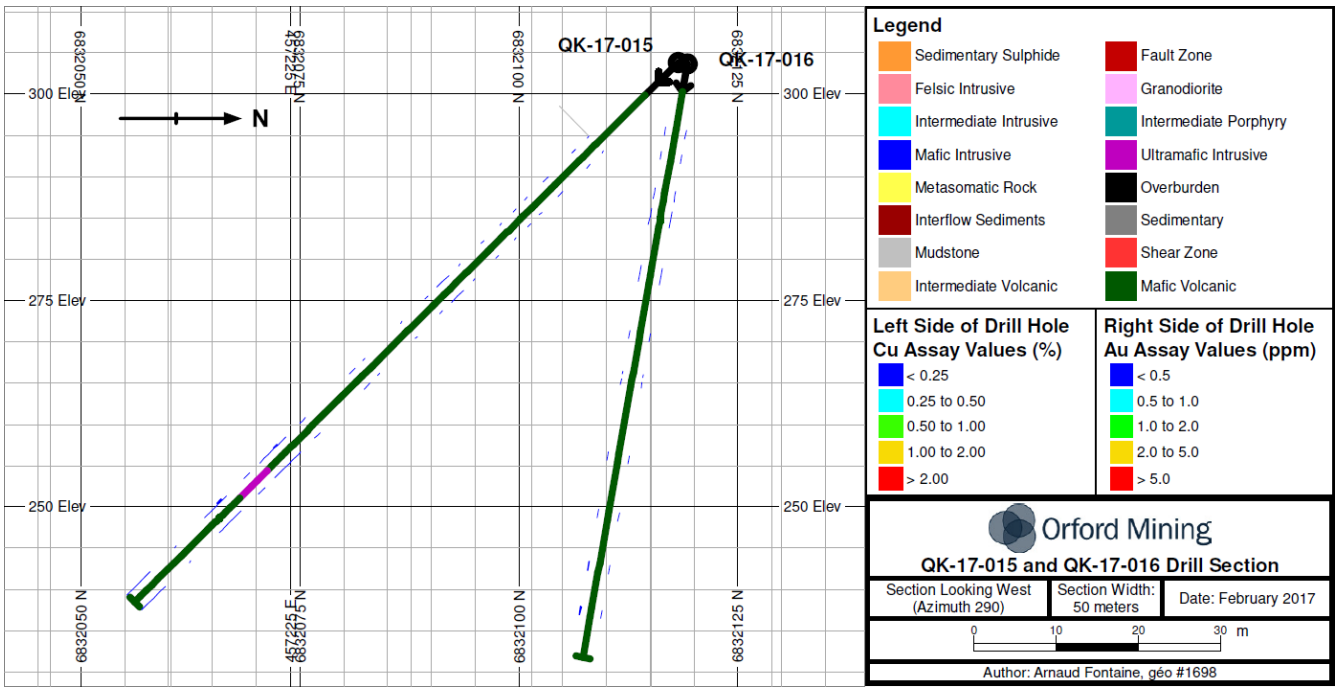


Figure 9.6 QK-17-015 and QK-17-016 Drill Section

9.3.1.5 QK-17-018

Drill hole QK-17-018 was drilled to target an IP chargeability anomaly coincident with a low resistivity at 75m depth near a 2016 local boulder grading 7.65g/t gold and 1.75%Cu.

The drill hole started into a basalt to intersect a mafic intrusive at 9.6 meters up to 11.7 meters. The drill hole continued in a sheared basalt to intersect another mafic intrusive at 22.8 meters up to 26 meters. QK-17-018 then entered into a plagioclase phyric basalt up to the end of the hole at 138 meters. Small chalcopyrite stringers around 37 meters, showing a gold anomaly in the assay results of 0.87 g/t Au from 36.61 to 37.2 meters followed up by a 3.02 g/t Au from 38.55 to 39.25 meters. A pyrrhotite stringer was found over 5cm at 65.2 meters. Assay results also found another gold anomaly at 83.4 of 1.9 g/t Au over 1.3 meters that seems to be associated to arsenopyrite according to the assay results.

The pyrrhotite stringer found at 65.2 meters is interpreted to be the source of the geophysics anomaly.

Figure 9.7 shows a cross-section of QK-17-018.

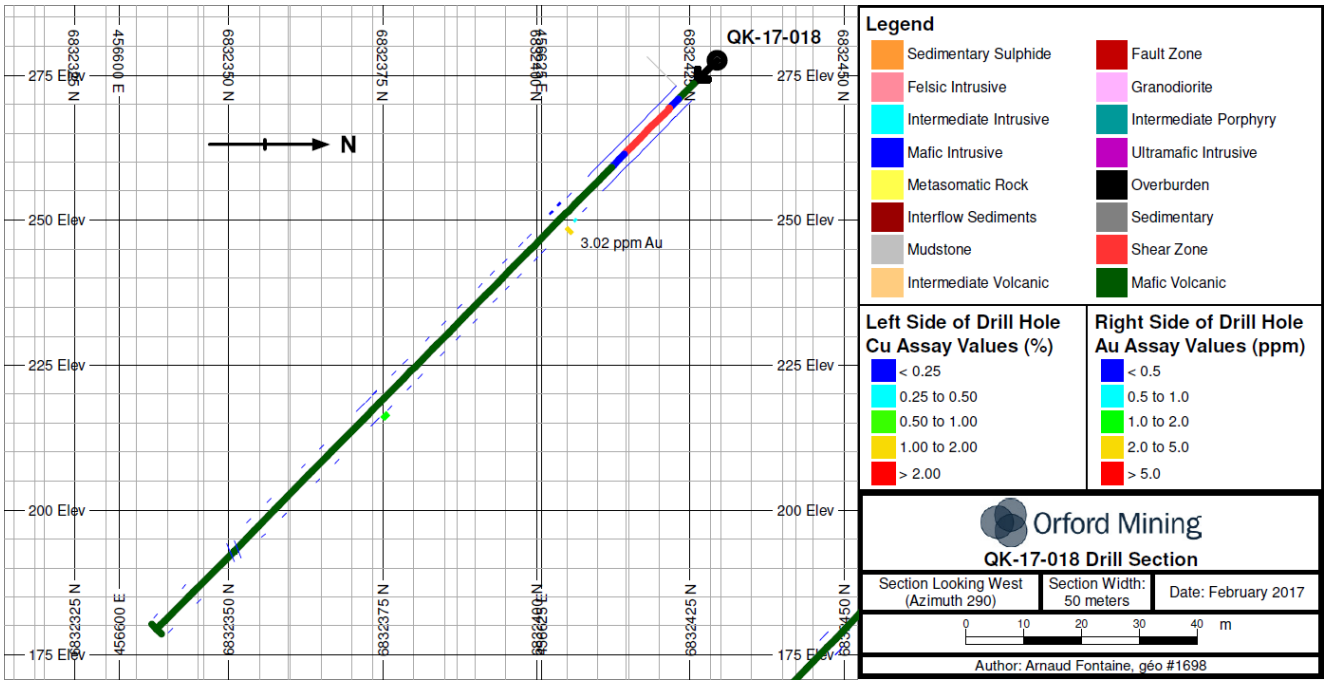


Figure 9.7 QK-17-018 Drill Section

9.3.1.6 QK-17-019

Drill hole QK-17-019 was drilled to target an IP chargeability anomaly at 75m depth coincident with gold in till geochemical anomaly and to also intersect Qk-17-18 anomaly at depth.

The drill hole started in a sheared basalt to enter a foliated basalt at 54 meters followed up by a massive basalt at 72.2 meters. A 4 cm arsenopyrite stringer was found at 46 meters, giving a gold anomaly of 0.83 g/t Au. The drill hole continued in a foliated basalt at 84.5 meters and intersected a plagioclase phyric basalt at 101 meters up to the end of the hole at 189 meters. An interval of hydrothermal alteration was found from 85 to 100 meters with a concentration (5%) of disseminated pyrite, pyrrhotite and chalcopyrite at the beginning of the interval from 84.5 to 87 meters.

No gold anomaly was found in that interval, but similar to QK-17-018, assay results showed a gold anomaly of 1.05 g/t Au over a meter at 94 meters however associated to chalcopyrite according to the assay results.

The concentration of disseminated sulphides around 85 meters is interpreted to be the source of the IP anomaly.

Figure 9.8 shows a cross-section of QK-17-019.

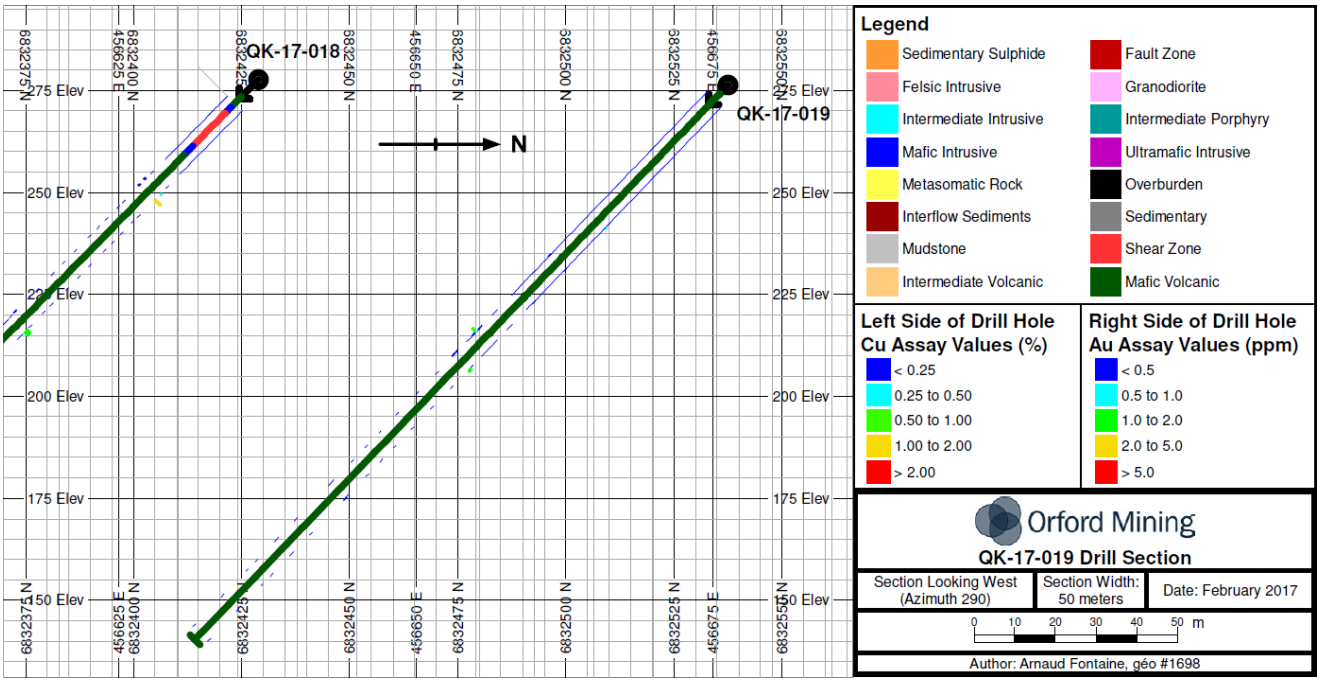


Figure 9.8 QK-17-019 Drill Section

9.3.1.7 QK-17-021 and QK-17-022

Drill hole QK-17-021 was drilled to target a strong chargeability anomaly coincident with low resistivity at 70m depth and to follow up numerous stringer mineralized 2017 frost-heaved boulders.

The drill hole started in basalt to intersect a 50cm porphyritic intermediate intrusive at 31.5 meters. The drill hole continued into a sheared basalt and entered a sequence of porphyritic diorite and foliated basalt up to 48 meters. The foliated basalt showed the presence of several stringers of pyrrhotite and chalcopyrite in between the porphyritic diorite.

Many gold anomalies was found associated with the chalcopyrite stringer, giving an average of 1.7 g/t Au and 1.38% Cu over 3 meters at 32 meters down hole, a 2.31 g/t Au with 1.56% Cu over 2.1 meters at 37 meters down hole and a 4.65 g/t Au over 1.51 meters at 45 meters down hole. QK-17-021 continued into a basalt at 48 meters to end up in the same unit at 93 meters. Assay results also showed a gold anomaly of 1.58 g/t Au over a meter at 62 meters and the anomaly doesn't seems to be associated with any other mineralization or structure.

QK-17-021 was able to reproduce the numerous stringer mineralized boulders. The sequence of chalcopyrite and pyrrhotite stringer found between 31.5 and 46 meters is interpreted to explain the geophysics anomaly.

Drill hole QK-17-022 was drilled to show to continuity of the mineralization and the structure of the drill hole QK-17-021 and was drilled to target a strong chargeability anomaly coincident with low resistivity at 50m depth and to follow up numerous stringer mineralized 2017 frost-heaved boulders.

The drill hole started in a foliated basalt and followed up in a sequence of porphyritic intermediate intrusive and plagioclase phyric basalt up to 44.75 meters. The drill hole continued into a plagioclase phyric basalt up to the end of the hole at 111 meters. Similar to QK-17-021, QK-17-022 showed many pyrrhotite and chalcopyrite stringers between the porphyritic intermediate intrusive showing many gold anomalies, giving an average of 2.69 g/t Au with 2.4% Cu over 6 meters at 29 meters and a 2.96 g/t Au over 1.5 meters at 39.5 meters. Pyrrhotite and chalcopyrite stringers were found between 59.2 meters and 63 meters, showing a gold anomaly of 4.75 g/t Au over a meter at 59 meters.

QK-17-022 was able to reproduce the numerous stringer mineralized boulders and showed continuity of the mineralization with drill hole QK-17-021. The stringers found between 59 and 63 meters are interpreted to be the source of the geophysics anomaly. Figure 9.9 shows a cross-section of QK-17-021 and QK-17-022.

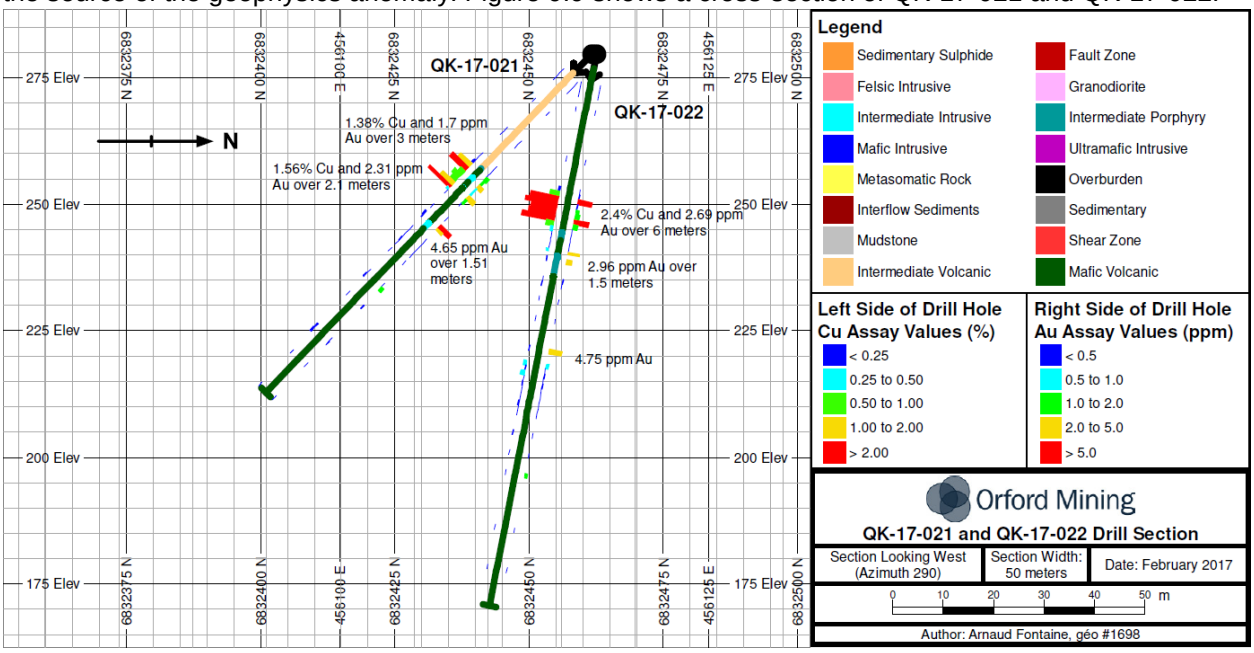


Figure 9.9 QK-17-021 and QK-17-022 Drill Section

9.3.1.8 QK-17-024

Drill hole QK-17-024 was drilled to target an intersection between a NNE-trending quartz vein containing 5% Pyrite and 2% Chalcopyrite and a NW-trending quartz veins containing up to 5% Chalcopyrite and 2% Galena.

The drill hole started in a massive basalt and intersected a basalt with high schistosity at 14.86 meters. Pervasive sericite alteration and fuchsite in fracture filling was found between 44 and 60 meters. Disseminated idiomorphic pyrite and massive pyrite in fracture filling associated with the quartz veins was found. At 61.1 meters, QK-17-024 continued into a foliated basalt with a high density of quartz veins up to 93.5 meters where a basalt with high schistosity was intersected again. Similar mineralization was found with disseminated idiomorphic pyrite and massive pyrite associated with the quartz veins, but chalcopyrite was also found in this interval in low percentage. The drill hole continued in a mafic intrusive from 104.81 meters to the end of the hole at 114 meters.

The assay results showed no anomaly in QK-17-024. The intersection targeted by QK-17-024 was not drilled and no mineralization associated to the NW-trending quartz veins was found.

Figure 9.10 shows a cross-section of QK-17-024.

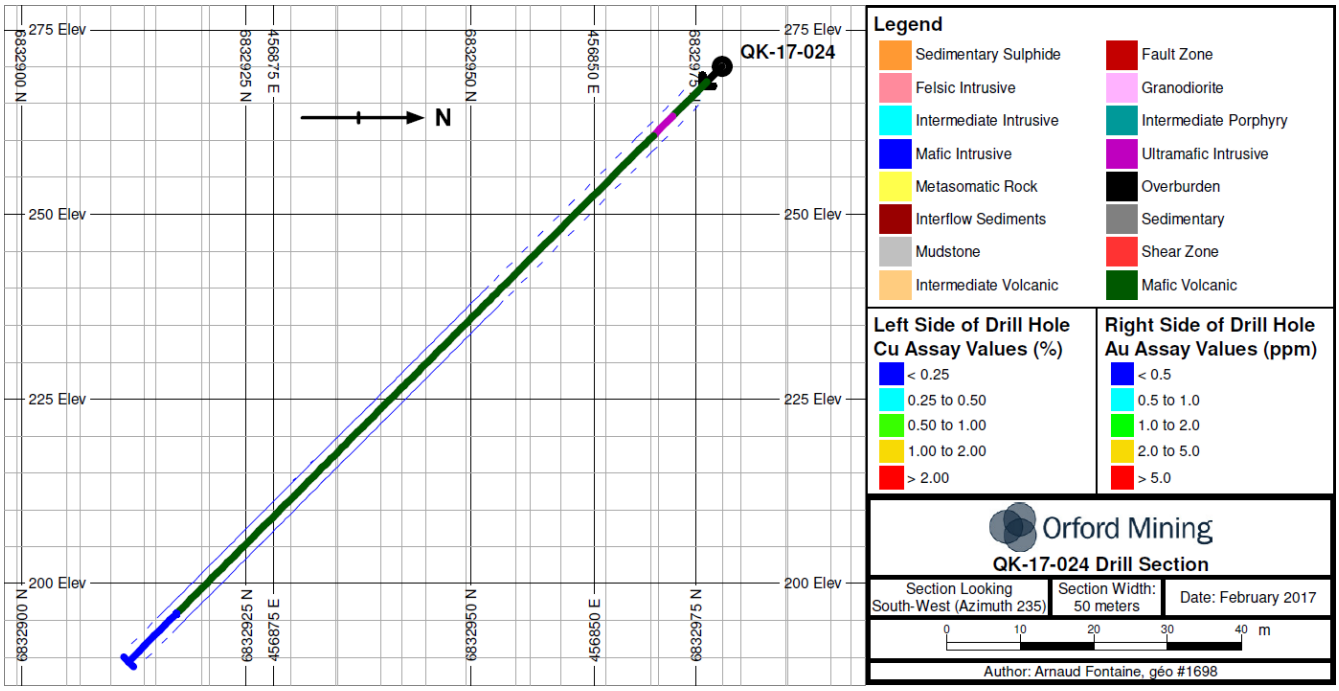


Figure 9.10 QK-17-024 Drill Section

9.3.1.9 QK-17-026 and QK-17-027

Drill hole QK-17-026 was drilled to target a NW-trending shear zone moderately dipping northeast with up to 10% chalcopyrite.

The drill hole started in a foliated basalt and intersected a 4.69 meters ultramafic dyke at 8.77 down hole, a 1.71 meters mafic dyke at 21.44 followed up by a 24cm intermediate dyke. The hole continued into a foliated basalt to intersect two shear zone from 26.3 to 31.5 meters and from 38.3 to 40.8 meters. QK-17-026 then intersected a highly foliated basalt with the presence of fuchsite alteration along the foliation and near quartz veins up to the end of the hole at 102 meters.

No assay anomaly was found. QK-17-026 was able to intersect some shear zones, but none was able to reproduce the mineralization seen on surface. The drill hole showed also many dyke of different composition which can be favorable for a system with mineralization associated with gold.

Drill hole QK-17-027 was drilled to show to continuity of the mineralization and the structure of QK-17-026 and was drilled to target the same NW-trending shear zone moderately dipping northeast with up to 10% chalcopyrite.

The hole started in a foliated basalt and intersected a series of various intrusion. A 41cm mafic dyke was intersected at 31.25 meters, a 84cm porphyritic intermediate intrusive was found at 37.45 meters, two other mafic dykes was intersected at 42.66 meters over 30cm and 46.90 over 34cm, two other porphyritic intermediate intrusive was intersected at 57.72 meters over 47cm and at 64.54 meters over 78cm, a gabbro intrusion was found at 143.42 meters over 3.98 meters and finally, a mafic dyke was intersected at 162.75 meters over 84cm. The drill hole ended in a foliated basalt up to 180 meters. Many stringers of pyrrhotite and pyrite was found in the basalt between the several intrusions with locally some chalcopyrite around 55 meters, 68 meters and 135 meters.

Assay results showed gold anomalies directly associated to the chalcopyrite stringers, including a 1.02 g/t Au over a meter at 137 meters. QK-17-027 showed many intrusions with a developed foliation in the basalt between the intrusions. Mineralization was found all along the drill hole, but was different from what seen to the surface.

The drill hole showed a system favorable to gold mineralization and was able to detect anomalies along the chalcopyrite stringers. Figure 9.11 shows a cross-section of QK-17-026 and QK-17-027.

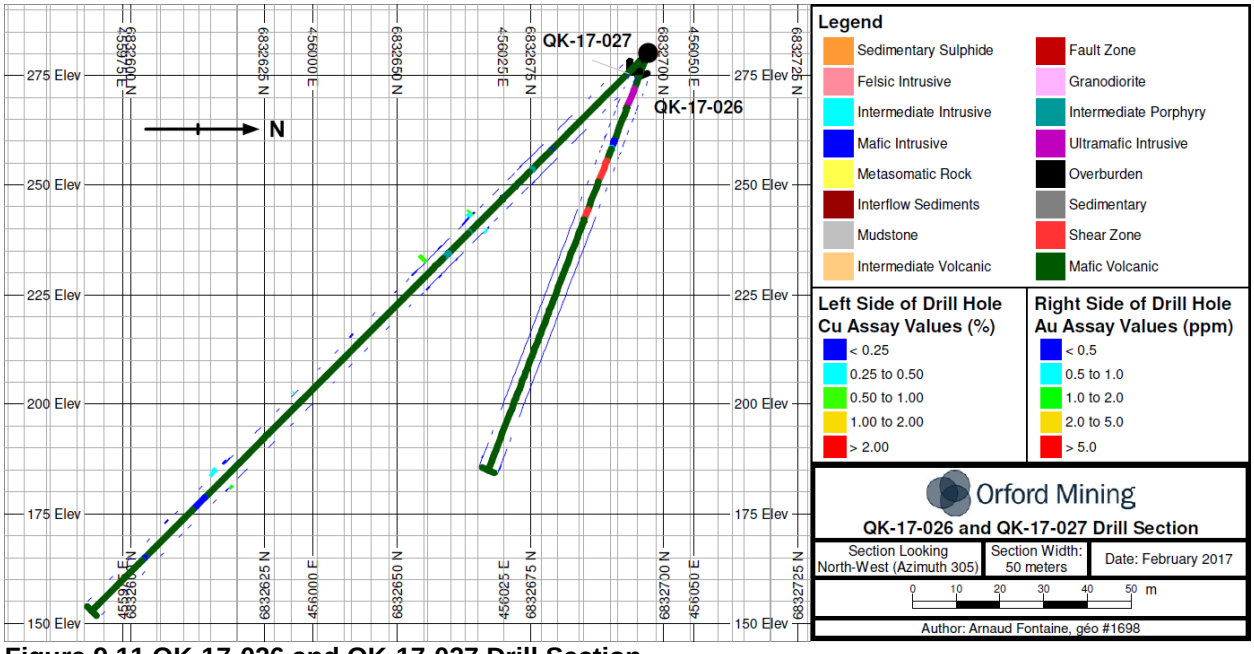


Figure 9.11 QK-17-026 and QK-17-027 Drill Section

9.3.1.10 QK-17-028

Drill hole QK-17-028 was drilled to target the east extension of a 2016 strong IP anomaly coincident with grab samples grading 21.3 g/t Au with a moderate chargeability anomaly at 120 m downhole.

The drill hole started in a foliated basalt and showed many intrusions of various compositions variating from ultramafic to intermediate up to 118 meters. 1% pyrite and pyrrhotite stringers were found between 26.5 and 47.5.and 4.5% Arsenopyrite and pyrite stringers was found between 47.5 and 49 meters. Variation of 1% intervals of 1 to 5 meters of sulphide stringers (pyrite-pyrrhotite-chalcopyrite) along the unit were found at 71 meters, 80 meters and 105 meters downhole. Gold anomalies was found associated with the arsenopyrite giving a 1.44 g/t Au over 30cm at 47.34 meters and a 2.02 g/t Au over 30 cm at 48.31 meters. QK-17-028 continued in a gabbro with various textures passing from fine grained to medium grained up to 139 meters where A 2cm stringer of idiomorphic pyrite was found at 121.1 meters. The drill hole continued in a small interval of 3 meters of basalt and was followed up by a gabbro with various textures up to 163 meters. The drill hole ended in a foliated basalt up to 174 meters showing many small stringers of pyrrhotite.

QK-17-028 showed many intervals that could explain the geophysics anomaly and was able to identify the presence of shallow gold anomalies associated with arsenopyrite.

Figure 9.12 shows a cross-section of QK-17-028.

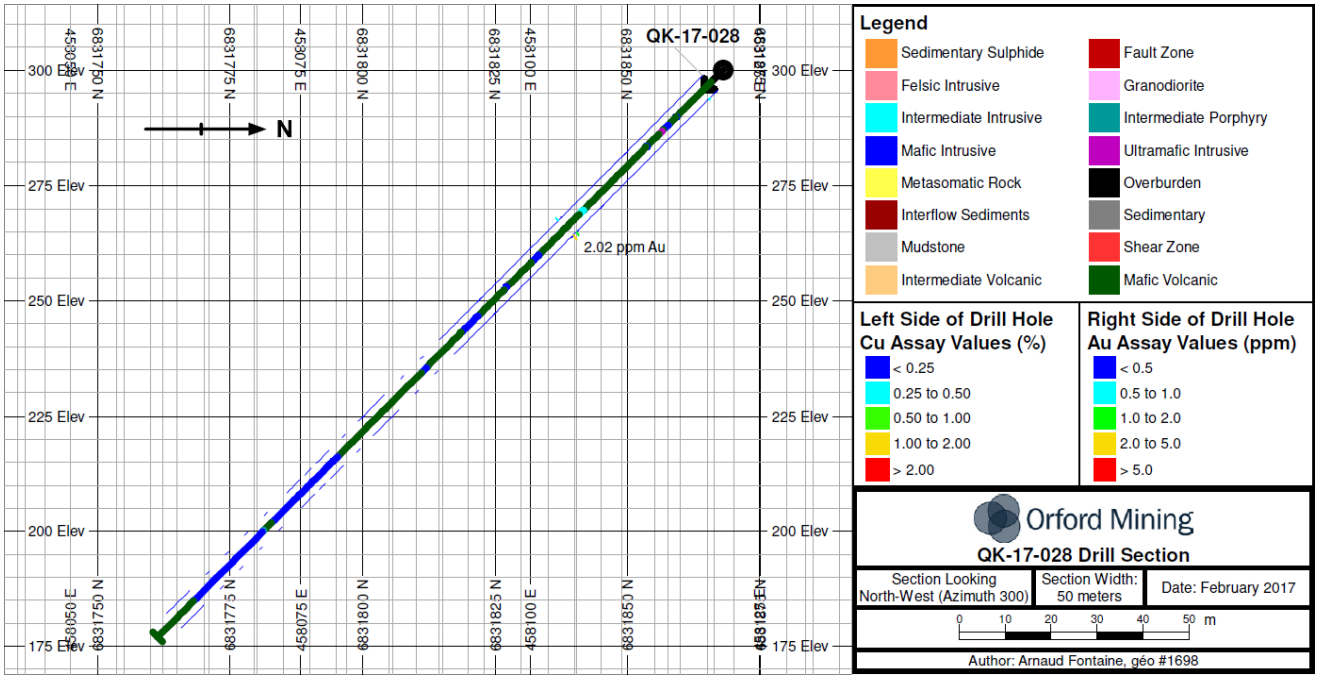


Figure 9.12 QK-17-028 Drill Section

9.3.2 Aurora and Aurora West

Drilling at Aurora in 2017 targeted surface quartz veins found during the 2016 field program with visible gold (up to 189 g/t Au 2016 Grabs) associated with a weak chargeability anomaly at 75m depth with drill hole QK-17-007 and QK-17-009.

Both hole confirmed the presence of mineralized quartz veins in the subsurface. Consistent with observations at surface, visible gold in quartz veining has also been observed in drill core in hole QK-17-009.

Drilling in Aurora West (holes QK-17-014 and QK-17-017) targeted galena mineralization observed in surface boulders, but failed to do so. However some arsenopyrite mineralization was observed in both holes over some meters and assay results showed gold anomalies. Structure and subsurface geology in the QK-17-014 and QK-17-017 area are complex and will need a thorough interpretation.

Figure 9.13 shows a map of the drill holes over Aurora and Aurora West.

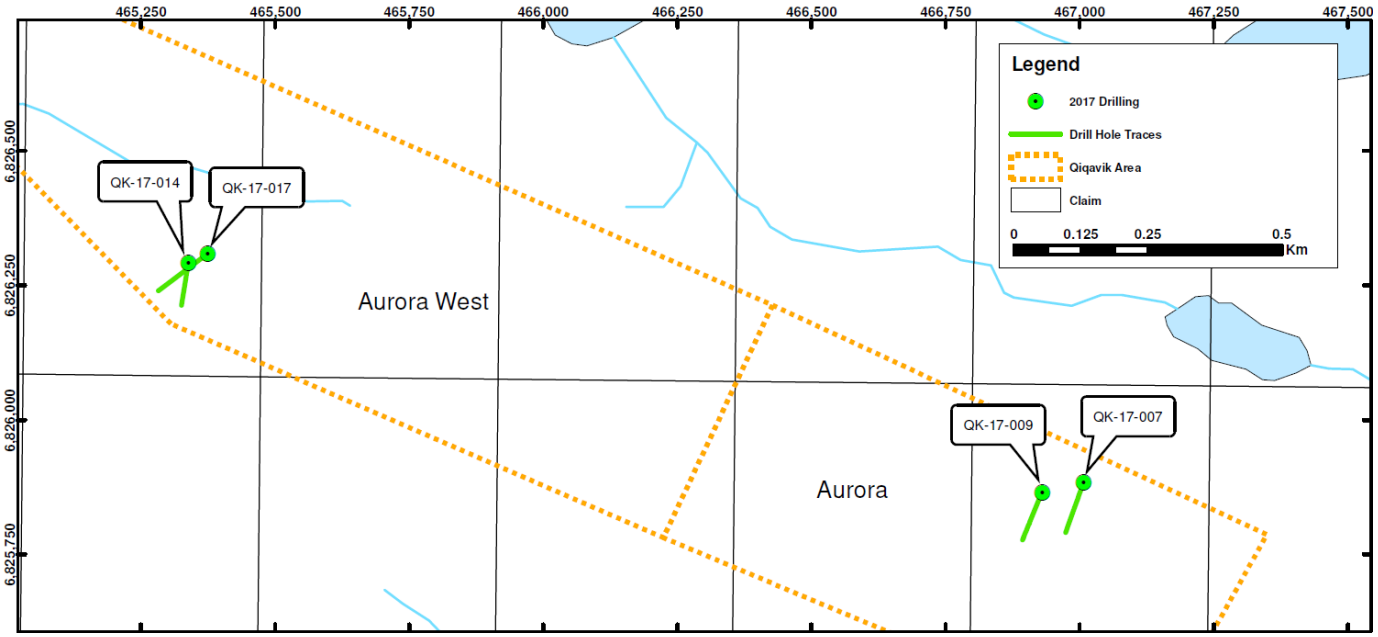


Figure 9.13 Location of 2017 Drill Holes over Aurora and Aurora West

9.3.2.1 QK-17-007

Drill hole QK-17-007 was drilled to target a 2016 surface quartz veins with visible gold (up to 189 g/t Au) associated with a weak chargeability anomaly at 75m depth.

Drill hole QK-17-007 started in a sulfidic and carbonate altered fine grained mafic volcanic including some intervals with 10-30cm of sphalerite galena veining up to 40 meters down the hole. Results reported 2.74% zinc over 0.51 meters at 21.79 meters associated with the sphalerite veining. The hole continued in a granodiorite with small smoky quartz veining with disseminated pyrite, pyrrhotite and locally arsenopyrite. Highlights results showed an interval of 1.77 meters with 3.05 g/t Au at 51.2 meters. Anomalous gold values were found between 50 meters and 70 meters in the granodiorite related to different area of higher frequencies of quartz veining. From 71 to 105 meters, QK-17-007 intersected an altered granodiorite with variable quartz veins of 1mm to 10cm in low density. The altered granodiorite matrix hosts disseminated arsenopyrite and pyrite (0.5-1% sulfides). The quartz veins host galena, pyrite and lesser arsenopyrite. Highlight results of this interval showed 2.26 g/t Au over 80cm at 86 meters. Anomalous gold values were also found in the altered granodiorite between 80 and 100 meters related to quartz veins. The drill hole returned into a granodiorite from 105 to 129 meters to end in mafic volcanics up to 141 meters.

QK-17-007 was able to show gold mineralization across the drill hole. The arsenopyrite and pyrite mineralization found in the altered granodiorite between 71 to 105 meters is interpreted to be the source of the geophysics anomaly.

Figure 9.14 shows a cross-section of QK-17-007.

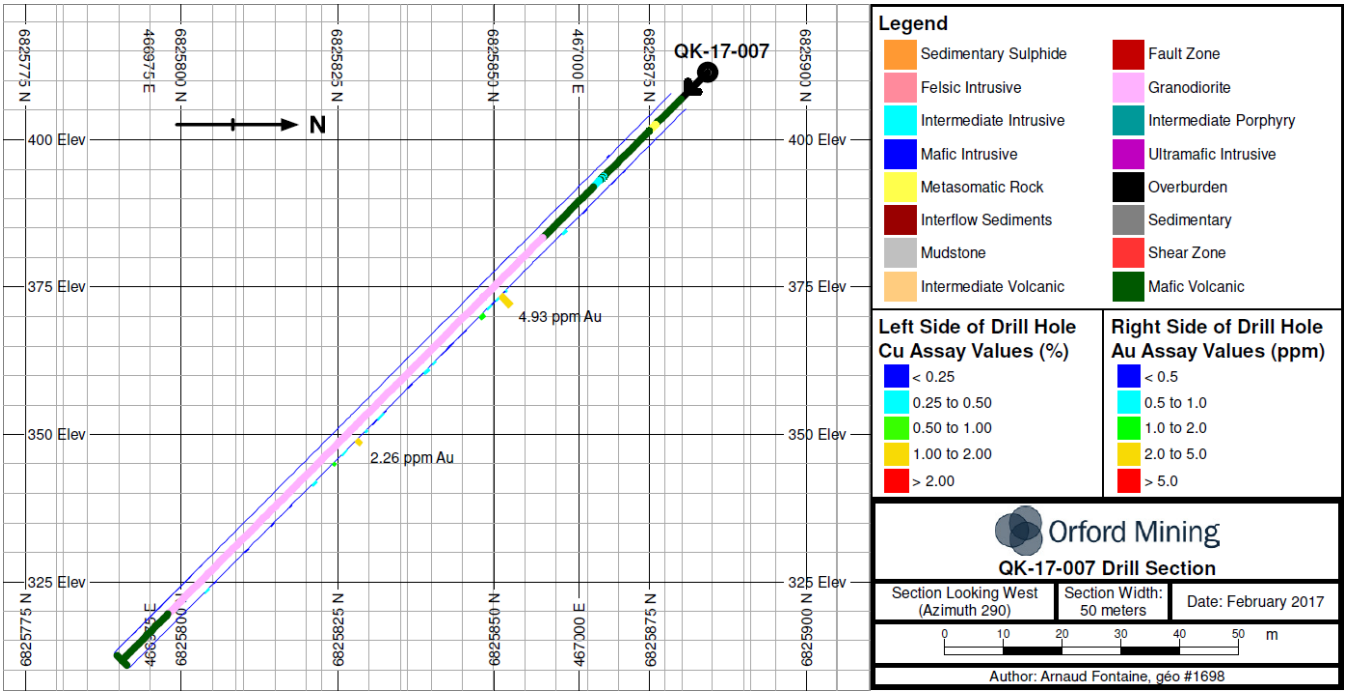


Figure 9.14 QK-17-007 Drill Section

9.3.2.2 QK-17-009

Drill hole QK-17-009 was drilled to target a 2016 surface quartz veins with visible gold (up to 189 g/t Au) associated with a weak chargeability anomaly at 75m depth.

Drill hole QK-17-009 started in a granodiorite up to 87 meters. Some intervals in the granodiorite showed higher density of quartz veins like 20 to 24 meters and 64 to 71 meters. Visible gold was found in a quartz vein at 21 meters, giving 13.46 g/t Au over 0.3 meters. Anomalous gold value locally associated with quartz veins was found at 28.41 with 7.08 g/t Au over 24cm and at 51.54 with 4.18 g/t over 42cm. From 87 to 91.5 meters, drill hole QK-17-009 intercepted a felsic intrusive followed by a fuchsite zone sheared with some quartz veins up to 104 meters. The drill hole ended in varied sheared and unsheared basalt to 138 meters.

QK-17-009 was able to show many gold mineralization across the drill hole with the presence of visible gold. The source of the geophysics anomaly at 75 metres was not found in drill hole QK-17-009.

Figure 9.15 shows a cross-section of QK-17-009.

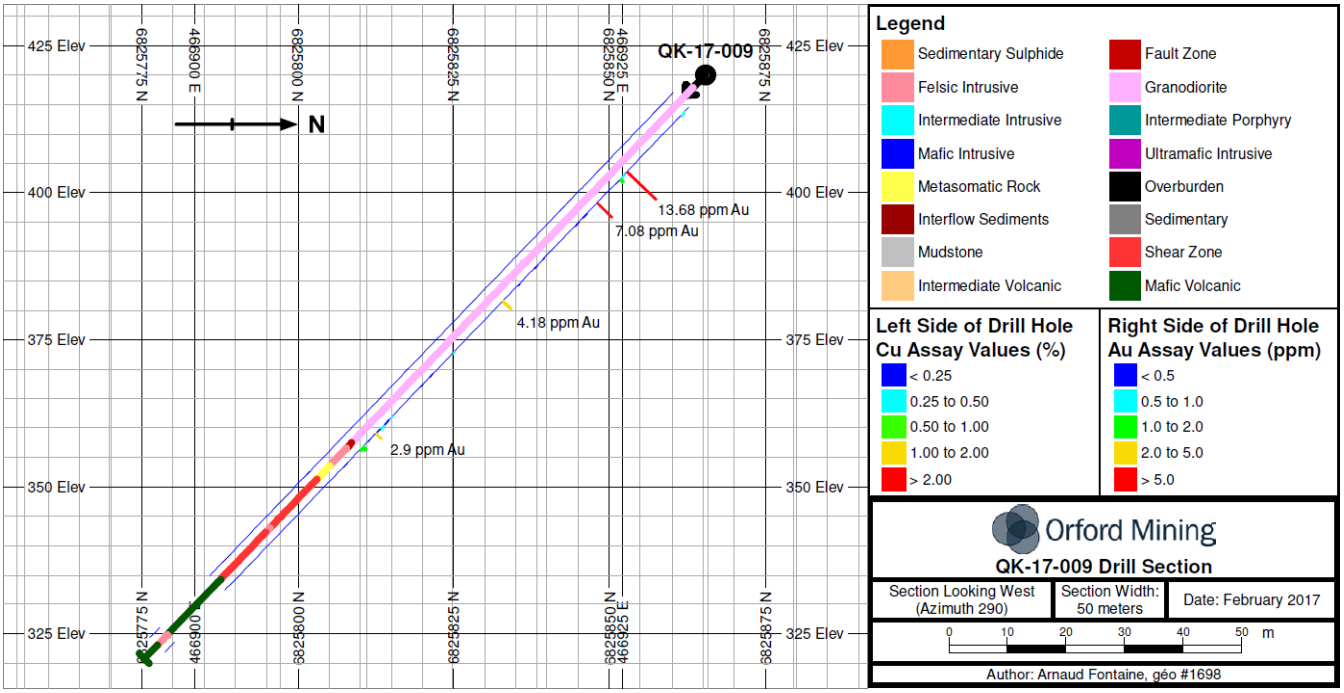


Figure 9.15 QK-17-009 Drill Section

9.3.2.2 QK-17-014

Drill hole QK-17-014 was drilled to test a 2017 concentration of galena bearing in sub-cropping quartz veins near intersection of structures in Aurora West.

The drill hole started at 22.9 into a basalt to intersect an intermediate intrusive dyke of 3.3 meters at 33 meters down the hole. QK-17-014 continued into a metasomatised basalt with disseminated pyrite and arsenopyrite up to 65.2 meters. Assay results showed a weak gold anomaly associated with the disseminated arsenopyrite. The drill hole ended in a basalt up to 117 meters. A gold anomaly of 1.03 g/t over a meter was found in the basalt at 69 meters near the contact with the metasomatised basalt and no association was found to explain the anomaly.

The drill hole failed to hit the galena bearing found in subcrop, but was able to identify an arsenopyrite intervals and a unexplained gold anomaly near a contact.

Figure 9.16 shows a cross-section of QK-17-014.

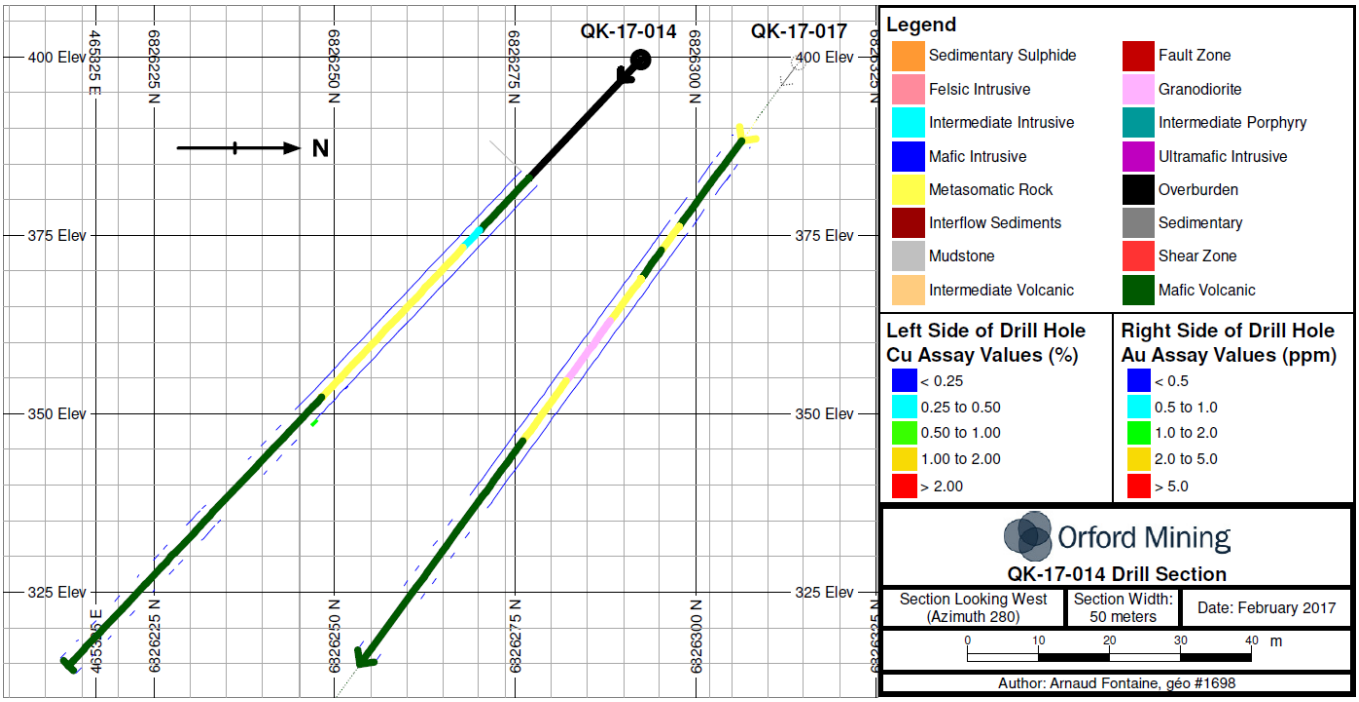


Figure 9.16 QK-17-014 Drill Section

9.3.2.2 QK-17-017

Drill hole QK-17-017 was drilled to test a 2017 concentration of galena bearing in sub-cropping quartz veins near an intersection of structures and outcropping felsic intrusive.

The drill hole started in a basalt and showed a sequence of metasomatised basalt and basalt up to 63.18 meters to intersect a massive granodiorite. The drill hole continued in a metasomatic basalt up to 75.05 to end in a basalt up to 162 meters. Acicular Arsenopyrite (3%) was found between 85 and 86 meters, showing a weak gold anomaly.

The drill hole failed to reproduce the galena bearing found in subcrop, but was able to identify an interval of acicular arsenopyrite.

Figure 9.17 shows a cross-section of QK-17-017.

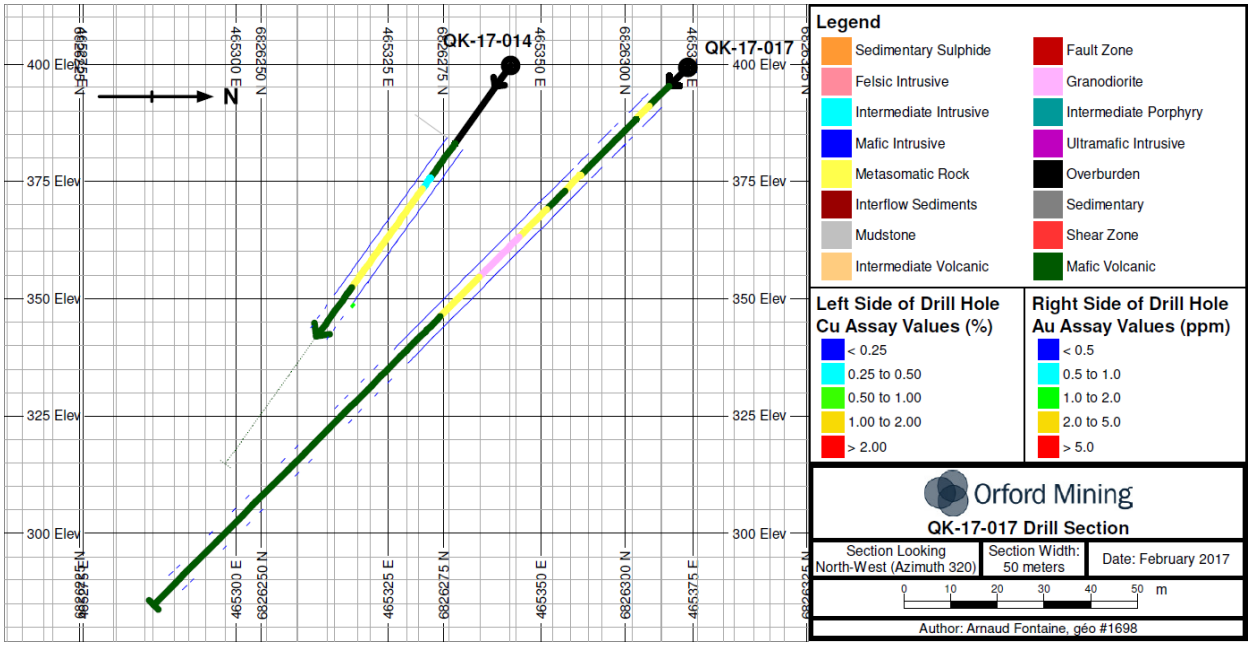


Figure 9.17 QK-17-017 Drill Section

9.3.3 Central

Drilling in the Central Zone targeted a suspected mineralized shear zone in granodiorite based on the presence of sheared mineralized boulders.

Drilling has confirmed the presence in the subsurface of shearing in granodiorite (holes QK-17-020, QK-17-023, QK-17-025 and QK-17-029). Some intersected shearing contain local sulphide mineralization, however some targeted type of mineralization observed in boulders (massive arsenopyrite, arsenopyrite mineralized breccia, strongly silicified and sheared granodiorite with sulphide polymetallic mineralization) were not intersected, which suggest that further drilling is required to properly test the potential of this poorly outcropping area.

Figure 9.18 shows a map of the drill holes over Central.

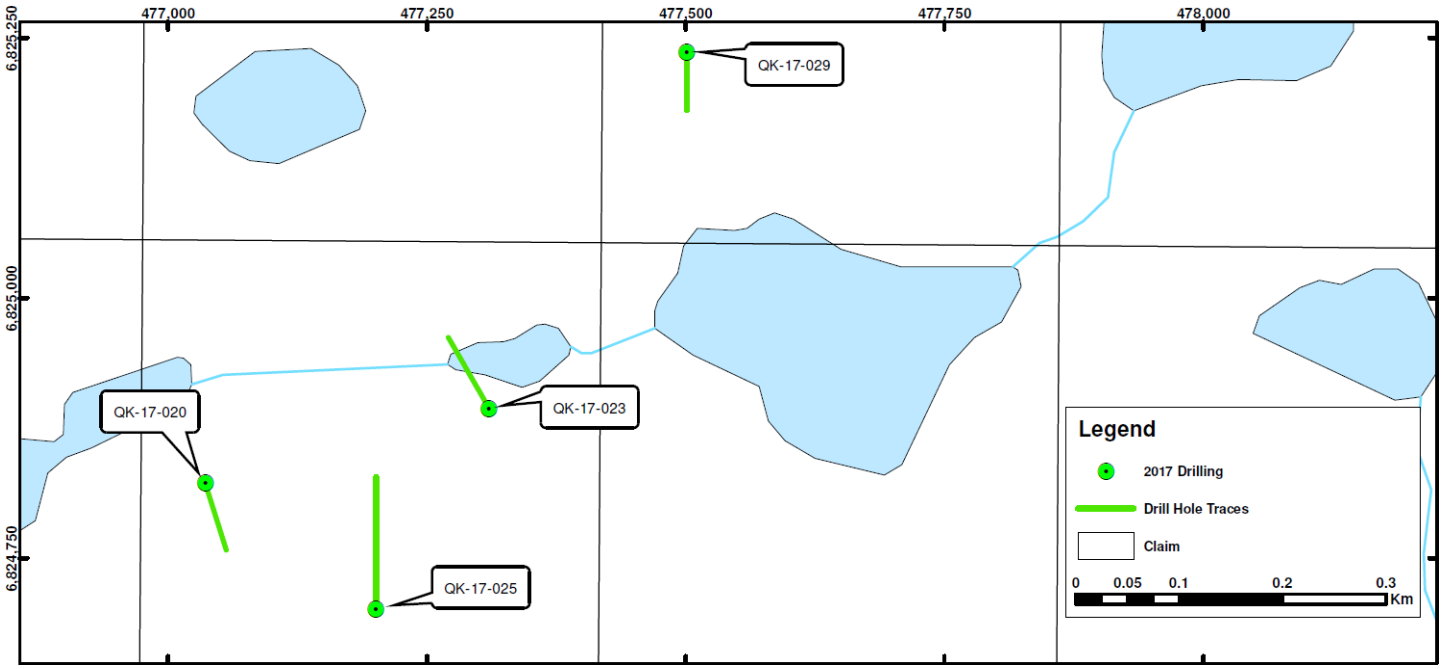


Figure 9.18 Location of 2017 Drill Holes over Central

9.3.3.1 QK-17-020

Drill hole QK-17-020 was drilled to follow up a frost-heaved shear in granodiorite, up-ice from 2016 boulders grading up to 18.3 g/t gold.

The drill hole started in a granodiorite and intersected a shear zone from 54 to 56.5 meters. The hole continued in a granodiorite up to the end of the hole at 96 meters. Weak disseminated pyrite was found along the shear zone and assay results showed a weak gold anomaly in the shear zone compared to the rest of the drill hole.

QK-17-020 confirmed the presence of shear zone in the granodiorite, but didn't provide any information regarding the mineralization.

Figure 9.19 shows a cross-section of QK-17-020.

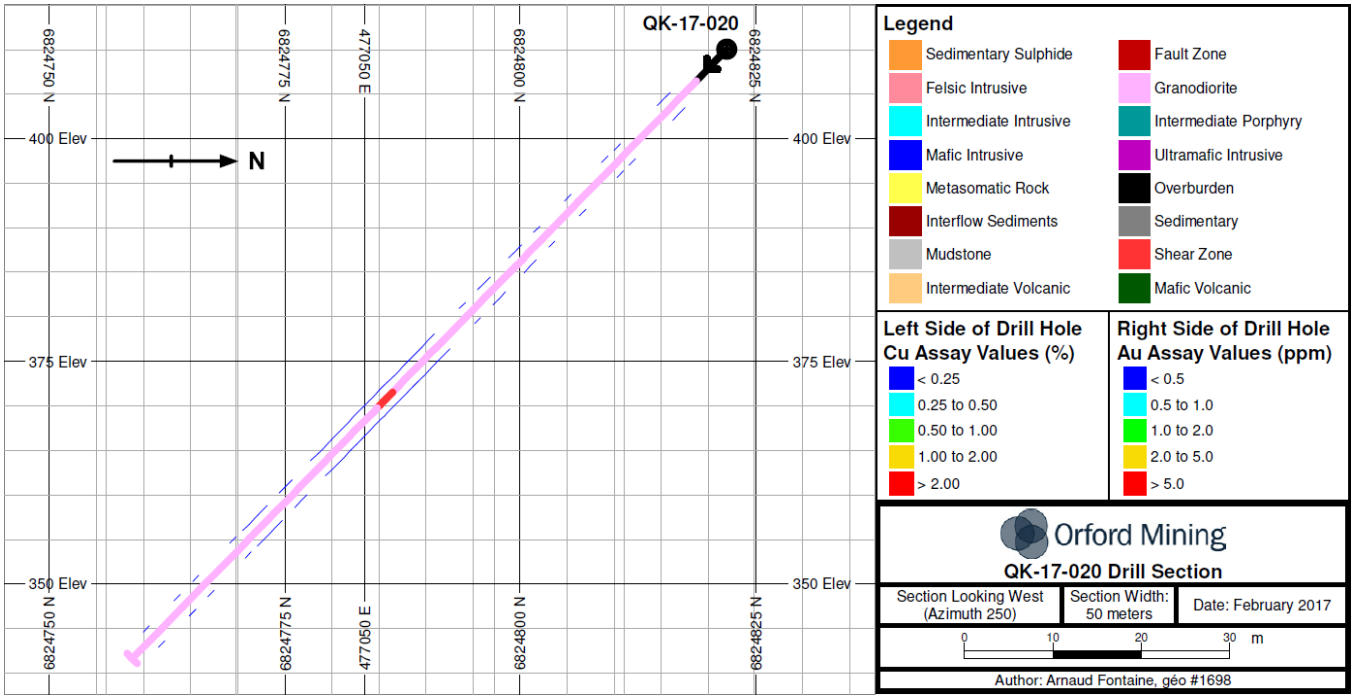


Figure 9.19 QK-17-020 Drill Section

9.3.3.1 QK-17-023

Drill hole QK-17-023 was drilled to target a suspected shear in granodiorite based on numerous arsenopyrite-bearing frost-heaved boulders.

The drill hole started in a granodiorite and intersected a 3.8 meters shear zone at 27.4 meters. Disseminated arsenopyrite was found in the shear zone and a weak gold anomaly was found associated to it. The drill hole continued into a granodiorite up to 65.3 meters and intersected another shear zone of 2 meters at 65.3 meters down hole. Disseminated pyrite and a small bed of sphalerite was found in the second shear zone. Assay results also showed a weak gold anomaly. The hole ended into a granodiorite up to 111 meters.

QK-17-023 was successful into confirming the presence of shear zone favorable to gold mineralization.

Figure 9.20 shows a cross-section of QK-17-023.

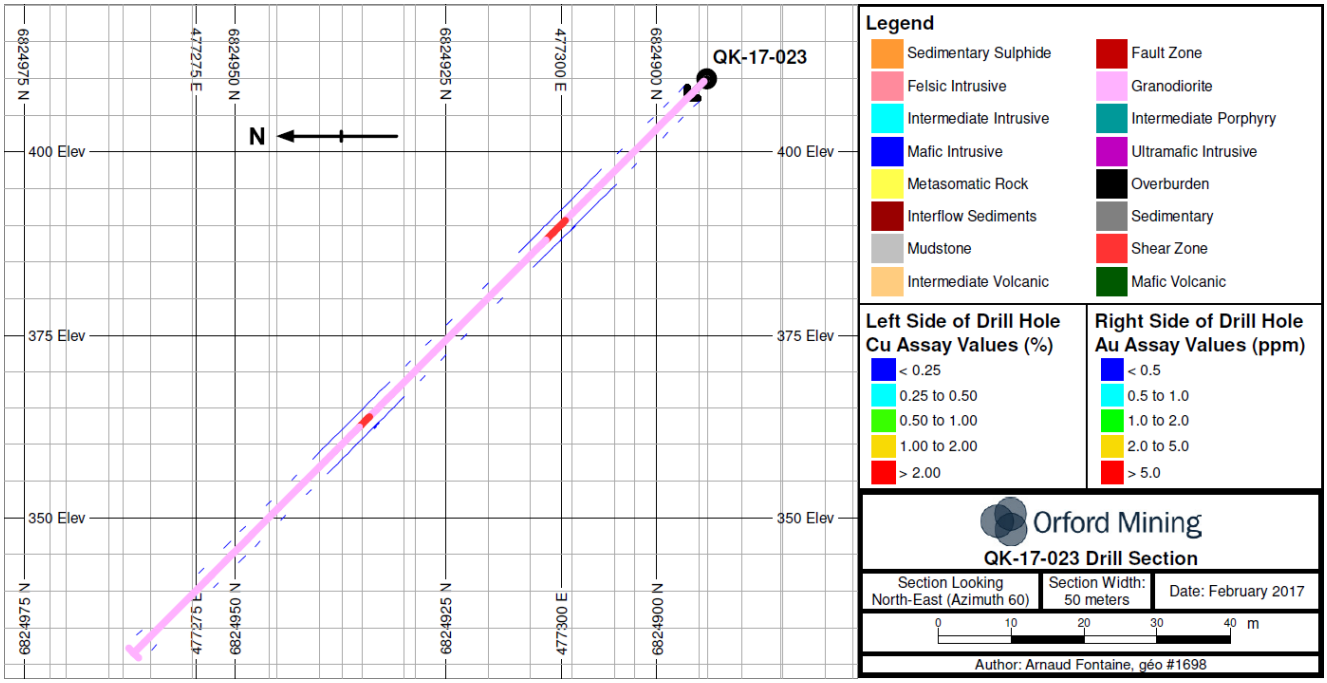


Figure 9.20 QK-17-023 Drill Section

9.3.3.1 QK-17-025

Drill hole QK-17-025 was drilled to target a moderate IP chargeability anomaly at 150m depth.

The drill hole started in a granodiorite and intersected a series of shear zone varying from 50cm and 2 meters of length. The shear zones were weakly mineralized with disseminated pyrite and brought a chlorite and carbonate alteration. The hole ended in a granodiorite at 180 meters.

No assay anomaly was found in the drill hole. Nothing that could explain the IP chargeability was found either, but QK-17-025 showed many shear zones favorable for gold mineralization.

Figure 9.21 shows a cross-section of QK-17-025.

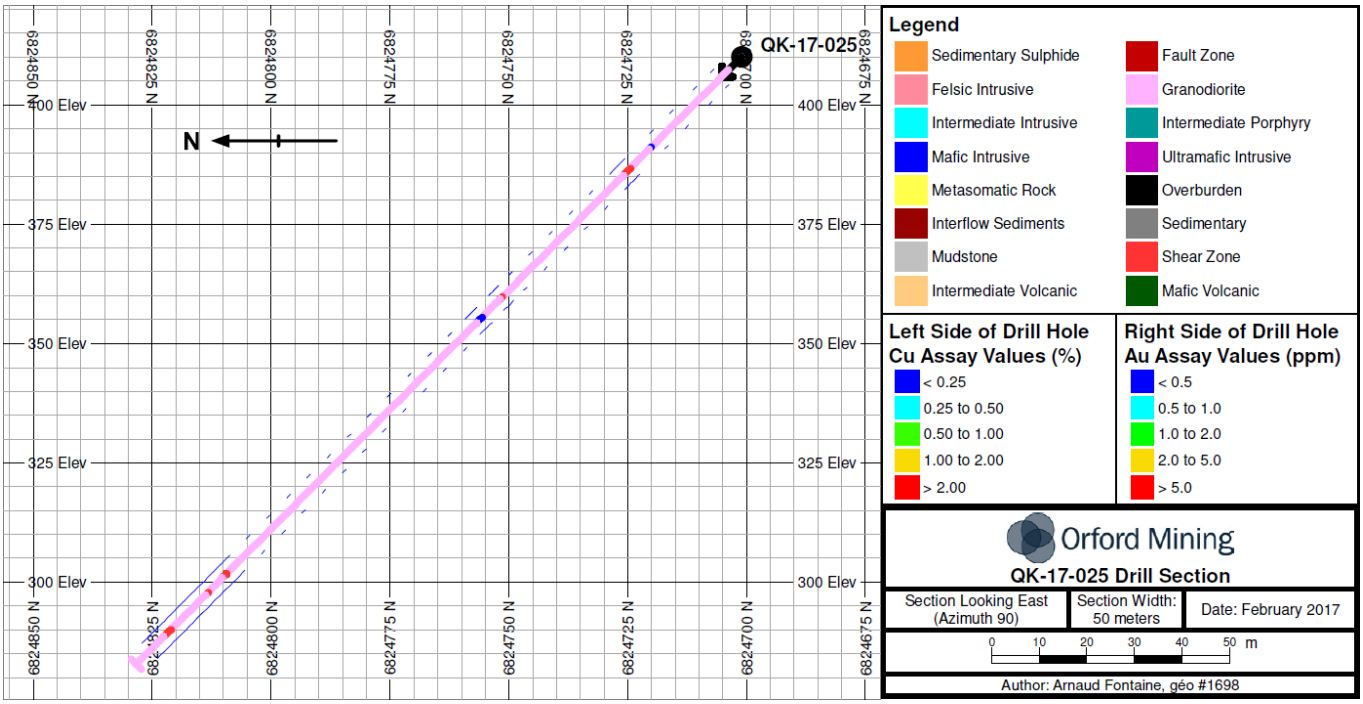


Figure 9.21 QK-17-025 Drill Section

9.3.3.1 QK-17-029

Drill hole QK-17-029 was drilled to target a moderate IP chargeability with a complex resistivity anomaly at 60m depth and was drilled downdip from arsenopyrite veins and breccia in frost-heaved blocks discovered during the 2017 field campaign.

The drill hole started in a foliated basalt with intervals of plagioclase phyric basalt up to the end of the hole at 78 meters. The hole showed a moderate biotite alteration, but no significant mineralization was found.

Nothing in QK-17-029 was found to explain the geophysics anomaly.

Figure 9.22 shows a cross-section of QK-17-029.

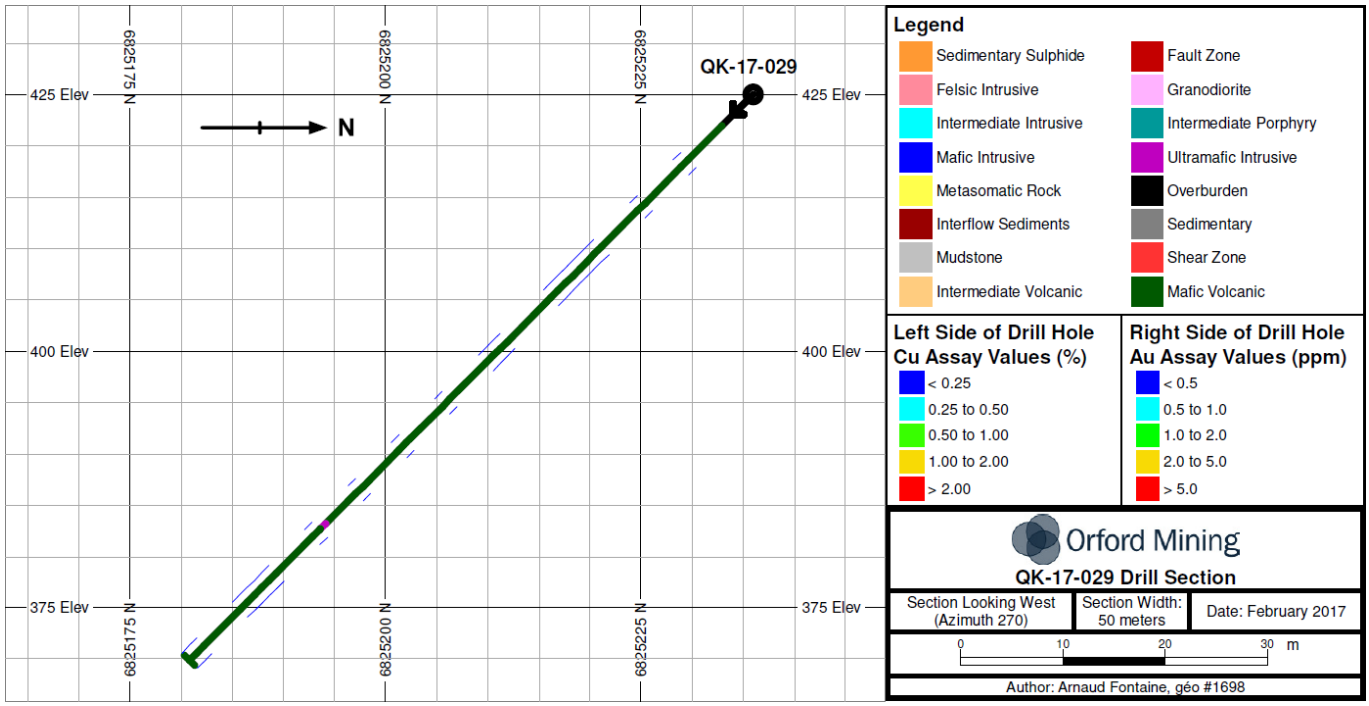


Figure 9.22 QK-17-029 Drill Section

10- DATA COLLECTION, SAMPLING, SAMPLE PREPARATION, ANALYSIS AND SECURITY

Four different types of samples were collected by Orford Mining Corporation during the 2017 program: surface rock grab samples, surface rock channel samples, till samples and core samples. All lab certificates for chemical analysis can be found in Appendix 7. Core samples consisted of piece of rocks collected with hammers from outcrops or boulders in the field. Till samples consist in approximately 500 grams of till material collected from frost boils, which is a common feature in permafrost terrain. Core samples consist of half core of NQ size core cut on-site using a core saw. The sampling methodologies, chain of custody and analytical methods used by Orford Mining Corporation were the same of previous years to ensure consistency of the results.

10.1 Data collection

Exploration data collected by Orford Mining Corporation for the drilling and field programs were incorporated into a CAE Mining Fusion database through an electronic file transfer. Core logging was recorded electronically on site into DHLogger software, within the Fusion database management system. Data collected in the field by the mapping geologists, which include field stations, surface rock samples and till samples, were recorded electronically on site with a tablet using the program GFSNav. This application allows the user to record geotagged information interactively with ArcGIS using a tablet equipped with internal GPS. Data collected in the field are exported into ArcGIS database and validated every evening. They were then exported to DHLogger and Fusion software, along with assay results. These software include a series of validation tools to prevent entry errors.

10.2 Sampling and chain of custody

Surface rock grab samples were collected by the mapping crews, broken from outcrops or boulders with a sledge hammer. Pieces were placed into a plastic bag with a sample tag and the other piece was retained as witness stored at the camp. Most samples were selectively collected on mineralization, so they cannot be considered as representative of any significant volume of rock.

Surface rock channel samples were taken by using a rock saw to cut subcrop and felsenmeer perpendicular to observed mineralization trends. Pieces were placed into a plastic bag with a sample tag and a piece was retained as a witness stored at the camp. Most samples were selectively collected on mineralization, so they cannot be considered as representative of any significant volume of rock.

Till samples were collected by the mapping crews along traverses. Till samples were collected from frost-boils, which are a structure created where clay-rich tills are pushed up to the surface by cryoturbation (frost heave) and are thus considered as representative of basal till. Samples were taken with a plastic shovel and put in plastic bags. Each evening, bags were open and placed in a drying room. Bags were subsequently sealed for shipment after using the same laboratory tag and sample ID.

Drill core was cut in half with a core saw along sampling marks defined by the geologist. Half of the core was placed in a sample bag and the other retained in the core box as a witness. A laboratory tag, with a unique sample ID, was placed in each bag before sealing, as well as tacked in the core box. The sample ID was also marked on the bag with ink marker and sample information recorded into the database.

In preparation for shipment, sample bags were placed in woven polypropylene bags, marked with the list of content and shipping number and photographed for records. No seal was applied. Shipments were flown by chartered aircraft from Camp Chukotat to Rouyn-Noranda. Logistics contractor (Outland) secured the sample shipments in a storage area at the airport before being delivered by ground transportation to Techni-Lab preparation facility in Sainte-Germaine-Boulé, Quebec where the samples were analyzed for gold. A pulp fraction of all the samples was afterward send to Actlabs facility in Ancaster, Ontario for the multi-element analysis. Till samples were directly send to Actlabs laboratory in Ancaster, Ontario. The samples were recorded in Actlabs management system and Orford Mining notified of arrival through an email.

10.3 Analytical methods

The surface rock samples and the core samples were prepared at Techni-Lab in Sainte-Germaine-Boulé using conventional preparation (RX-1). Samples were logged in the tracking system, weighed, dried if needed and crushed to >90% passing 10 mesh. A 250-gram split was aliquoted and pulverized to > 95% minus 105 microns (140 mesh). Pulps were then analyzed for gold by lead oxide collection fire assay with an atomic absorption finish on 50g nominal weight (Actlabs method 1A2-50) and with a gravimetric finish on a 50g nominal weight (Actlabs method 1A3-50) when prior result was over 10 g/t. A fraction of the pulp was then shipped to Actlabs laboratory in Ancaster, Ontario to be analyzed for 44 elements by ICP-MS spectrometric methods after near-total 4-acid digestion (Actlabs method UT-4M) and by peroxide fusion with ICP-EOS finish for over limit results on prior assay (Actlabs method 8-Peroxide ICP-EOS).

Till samples were prepared at Actlabs in Ancaster where they were logged in a tracking system, dried at <60°C and sieved at -180 microns (80 mesh) (S1). Gold analyses were made by lead oxide collection fire assay with an atomic absorption finish on 30g nominal sample weight (Actlabs method 1A2). The other 48 elements were measured by ICP-EOS/ICP-MS spectrometric method after near-total 4-acid digestion (Actlabs method ME-MS61).

10.4 Quality assurance and quality control

Both samples preparation and analyses of all Orford Mining samples were completed at Techni-Lab and Actlabs Laboratories. The quality management system of both Techni-Lab and Actlabs is accredited by the Standard Council of Canada (SCC). In addition, both laboratories are accredited by the ISO and International Electrotechnical Commission (“IEC”) 17025:2005 for Au by lead collection fire assay with an AA finish, as well as for both multi-element packages used (UT-4M and ME-MS61).

In order to monitor the analytical quality provided by Techni-Lab and Actlabs Laboratories, Orford Mining implemented an internal QAQC program. This QAQC program consisted in the insertion of different certified reference materials (CRMs), blanks and field duplicates at the ratio of 1:10 (10%) for the core samples and 1:20 (5%) for the surface rock samples and till samples.

The commercial certified reference materials used by Orford Mining for the core samples and surface rock samples were OREAS 132b, OREAS 521, OREAS 523, OREAS 60c, OREAS 62e, OREAS 624 and OREAS 701, while the ones used for till samples were OREAS 45d, OREAS 905 and OREAS 25a. These certified reference materials were chosen to conform with the lithologies and mineralization expected on the Qiqavik property. All certified values and performance gates for these certified reference materials are available on the Ore & Research Exploration Pty Ltd website (http://www.oreas.com/).

The internal blank material used comes from a sand pit in the area of the Dumont project in Amos, Quebec, owned by Royal Nickel Corporation. The same material was used by Royal Nickel Corporation between 2007 and 2016 and was analyzed over 3694 samples and showed 95% of results lower than 0.01 g/t Au. Core duplicates consist of a quarter core of the given sample interval, and surface rock and till duplicates were selected from field samples with enough material to be duplicated.

Analyses with less than 3 standard deviations (SD) away from the certified value are considered as acceptable. Blank material analyses with less than ten times the detection limits were considered to be acceptable.

Table 10 summarizes the QAQC review for the certified and blank reference material listed by standards and elements. Analytical results complied with the quality control for the Gold analysis with the method TMTG5B and 1A2 with an average of 7% failure and for the multi-element analysis with the method 8-Peroxide ICP-EOS with 0% failure. Analytical results of quality control showed inconsistency with the certified values of the reference material for the elements Ag, As and Cu with the method UT-4M for the core and grab samples and showed inconsistency for the elements As and Sb with the method ME-MS61 for the till samples.

For the core and grab samples, a underestimation of the element arsenic, copper and silver was discovered when many failures occurred on standard OREAS 521, OREAS 523, OREAS 60c, OREAS 624, OREAS 62e and OREAS 701 for those elements. Almost all the results were under the lower range of the second standard deviation and most of them were under the third standard deviation. However, all results of each element on each standard were in the same range and showed a consistency between them. To investigate the problem, 202 samples from the 2017 exploration program including 145 core samples, 35 grab samples and 22 standards (two blanks, two OREAS 132b, four OREAS 521, four OREAS 523, two OREAS 60c, two OREAS 624, two OREAS 62e and four OREAS 701) were send to ALS Minerals in Val-d'Or for re-assay. All samples were assayed for gold by lead oxide collection fire assay with an atomic absorption finish on 50g nominal weight (ALS method AA24) and with a gravimetric finish on a 50g nominal weight (ALS method GRA22) when prior result was over 10 g/t and were assayed for multi-element by ICP-EAS/ICP-MS spectrometric method after near-total 4-acid digestion (ALS method ME-MS61) and by peroxide fusion or aqua regia digestion with ICP-AES finish for over limit results on prior assay (ALS method ME-ICP81 and OG46). Those methods were chosen to be in conformity with the Actlabs methods used during the 2017 exploration program.

The re-assay results showed no failures on the 22 standards for the multi-element methods and only one failure for the gold method near the third standard deviation.

Comparison graphics between the 202 samples for the 33 elements were built; they showed a clear underestimation of the Actlabs results with the method UT4M on the element of interest compared to ALS Minerals results with the method ME-MS61 when the values are in the high range of the method (between 3000 ppm and 1% for As, Cu, Pb and Zn and above 50 g/t for Ag). Examples of the comparisons graphics with the element arsenic and cupper are shown in Figure 10.1 and 10.2.

Gold re-assay analysis and multi-element re-assay analysis with peroxide fusion complied with the original analysis by Actlabs. Since the under estimation occurs on the low end of values close to the limit of detection of the method, and nowhere near the desired economic values, the failures were accepted in the database.

A subset of 20 samples between the 202 samples send to ALS Minerals for re-assay were also assayed with the same method used in 2016 for gold by lead oxide collection fire assay with an ICP-AES finish on 50g nominal weight (ALS method ICP22) to compared with the atomic absorption finish finish used in 2017. Assay results between the methods TMTG5B, AA24 and ICP22 for gold showed similar results on almost all the samples except for two samples.

For the till samples, the arsenic and antimony showed several failures on standards OREAS 25a and OREAS 45d. All values are lower than expected. After investigation on the method ME-MS61 from Actlabs, it was found that the procedure includeded a dryning process between the dissolving steps by the acids. For that reason, the volatile elements such as arsenic and antimony seem to be affected by the method form Actlabs and results are reported lower than expected. The method ME-MS61 used by ALS Minerals in 2016 did not include a drying step and results complied with the standards. To see if a correlation can be made between the data from Actlab and ALS, a subset of 20 samples of the 2017 till samples were send to ALS Minerals to be analyzed with the method ME-MS61. Arsenic showed a good linear co-relation between labs and can be corrected for, while antimony did not. It is therefore recommended that in terms of identifying antimony anomalies from the 2017 dataset, the 2017 dataset should be considered separately from previous year's till data. The 2017 arsenic data can be corrected for and considered with previous year's data.

Table 10: Summary of QAQC review on 2017 analytical results, (in brackets are failures)

Sample Type	Standard	Au (TMTG5B)	Ag (UT4M)	As (UT4M)	Co (UT4M)	Cu (UT4M)	Cu (8PEROICP)	Pb (UT4M)	Pb (8PEROICP)	Zn (UT4M)	Zn (8PEROICP)
CORE	OREAS 521	17 (0)		17 (17)	17 (0)	17 (12)				17 (2)	
	OREAS 523	4 (3)	4 (0)	4 (4)	4 (0)		4 (0)				
	OREAS 60c	7 (0)	7 (2)								
	OREAS 624	13 (2)	13 (4)	13 (1)	13 (0)		12 (0)		12 (0)		12 (0)
	OREAS 62e	8 (0)	8 (4)								
	OREAS 701	16 (0)		16 (2)	16 (0)	16 (10)				16 (0)	
	Total Std	65 (5)	32 (10)	50 (24)	50 (0)	33 (22)	16 (0)		12 (0)	33 (2)	12 (0)
	Total Blank	55 (0)	55 (0)	55 (0)	55 (0)	55 (0)		55 (1)		55 (0)	
ROCK	OREAS 132b		2 (2)	2 (0)		2 (0)			2 (0)		2 (0)
	OREAS 521	2 (0)		2 (2)	2 (1)	2 (2)				2 (1)	
	OREAS 523	1 (0)	1 (0)	1 (1)	1 (0)		1 (0)				
	OREAS 60c	4 (0)	4 (2)								
	OREAS 624	1 (0)	1 (0)	1 (0)	1 (0)		1 (0)		1 (0)		1 (0)
	OREAS 62e	2 (0)	2 (1)								
	OREAS 701	4 (0)		4 (0)	4 (0)	4 (3)				4 (0)	
	Total Std	14 (0)	10 (5)	10 (3)	8 (1)	8 (5)	2 (0)		3 (0)	6 (1)	3 (0)
	Total Blank	13 (0)	13 (0)	13 (2)	13 (0)	13 (0)		13 (0)		13 (0)	

Sample Type	Standard	Au (1A2)	Ag (MEMS61)	As (MEMS61)	Be (MEMS61)	Bi (MEMS61)	Cu (MEMS61)	Pb (MEMS61)	Sb (MEMS61)	Te (MEMS61)	Zn (MEMS61)
TILL	OREAS 25a				8 (0)	8 (0)	8 (0)	8 (0)	8 (8)		8 (0)
	OREAS 45d	8 (0)		8 (7)	8 (0)	8 (0)	8 (0)	8 (0)	8 (8)		8 (0)
	OREAS 905	6 (1)	6 (1)	6 (1)	6 (0)	6 (0)	6 (0)	6 (0)	6 (0)	6 (1)	6 (0)
	Total Std	14 (1)	6 (1)	14 (8)	22 (0)	22 (0)	22 (0)	22 (0)	22 (16)	6 (1)	22 (0)
	Total Blank	21 (0)	21 (0)	21 (0)			21 (0)	21 (0)			21 (0)

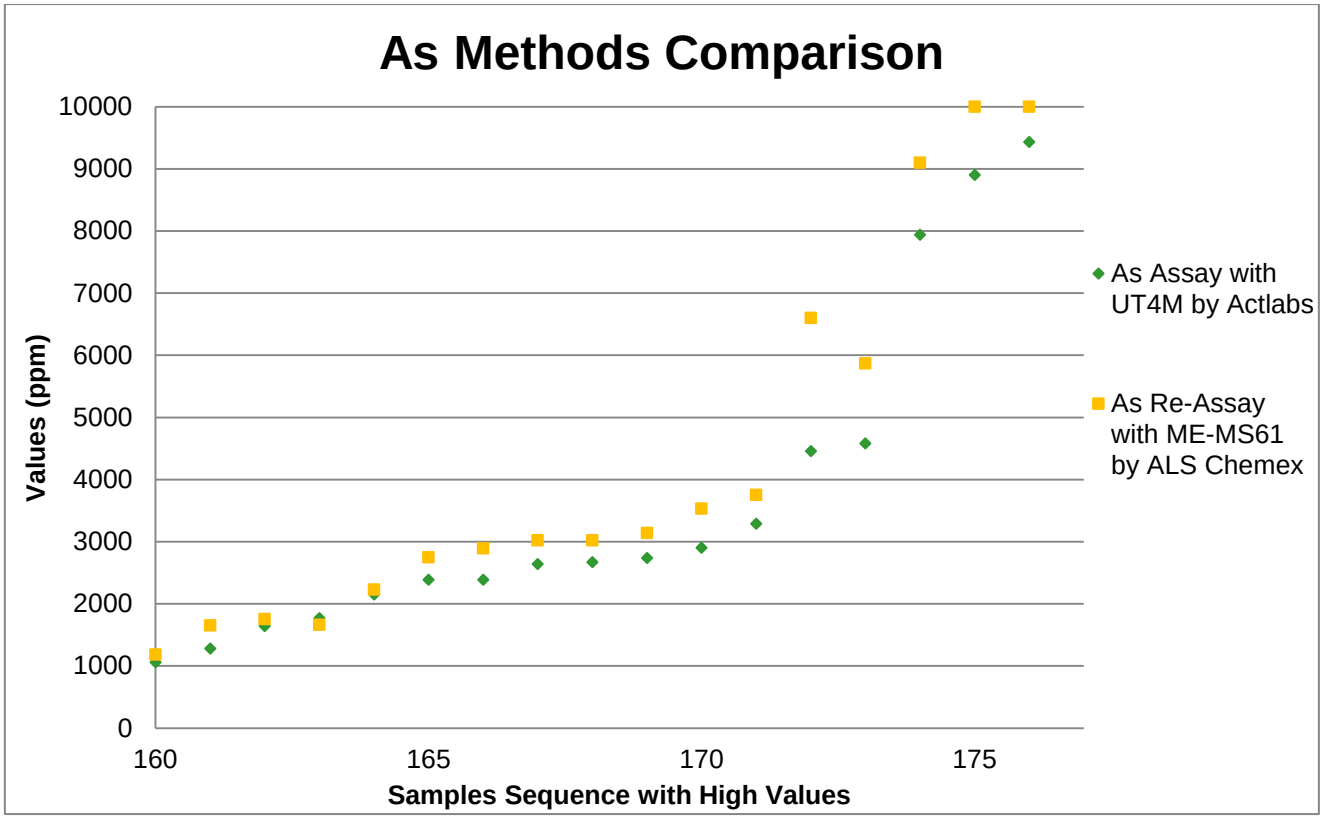


Figure 10.1 Comparison graphic between UT4M and ME-MS61 for arsenic

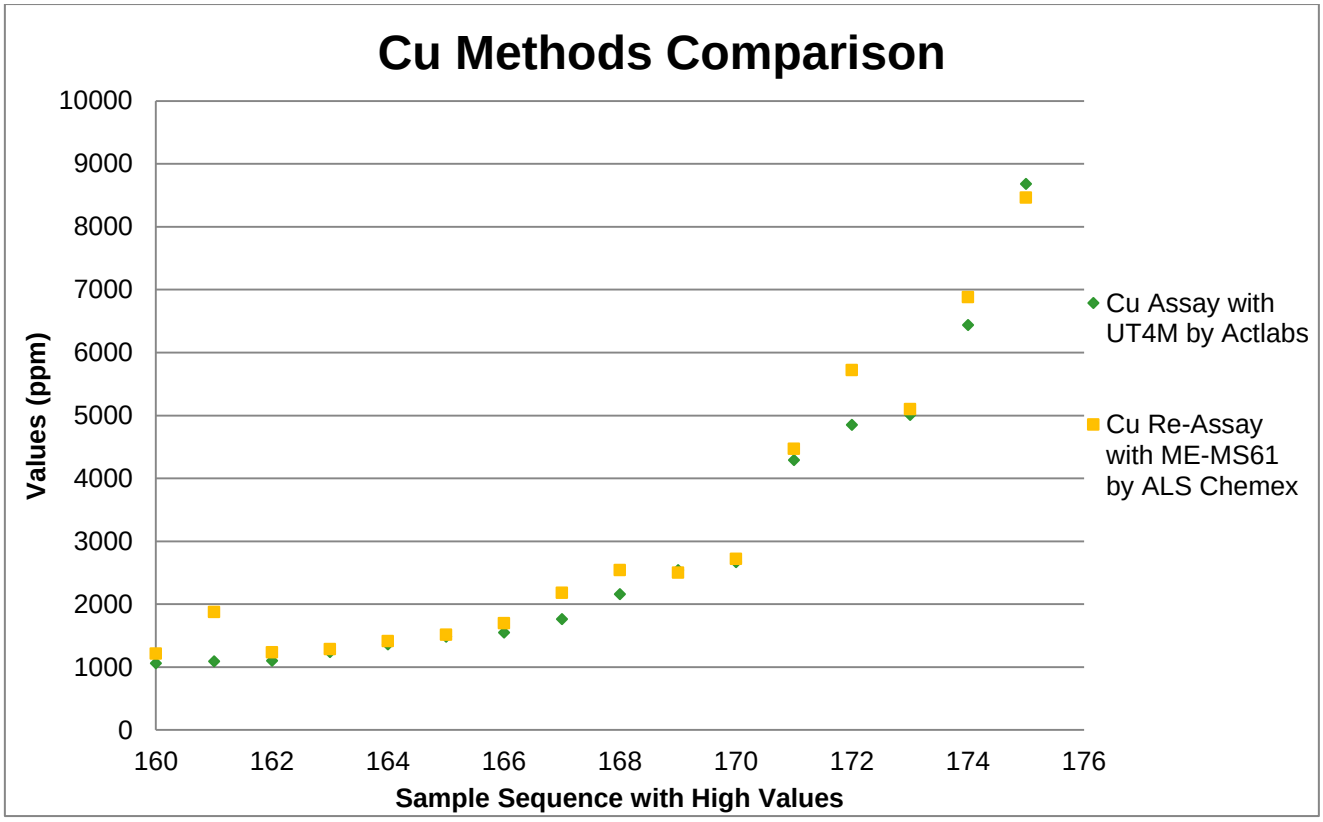


Figure 10.2 Comparison graphic between UT4M and ME-MS61 for cupper

11- INTERPRETATION AND CONCLUSION

The Qiqavik and Parent property are early stage gold exploration project and only limited work has been completed to date on the property. In 2015, 2016 & 2017, Orford Mining Corporation completed exploration programs including ground magnetic and IP surveys, 3,012 till samples, 1,294 surface rock samples and 3,272.5 metres of drilling in 29 drill holes. This work led to the identification of 4 main high grade gold and copper occurrences along a 40 kilometres trend (Map 1) with various other potential target occurrences which require more work.

Esperance

The Esperance area consists of Au +/- Ag +/- Cu mineralization traced over 3 km in a shear zone hosting disseminated to massive sulphides in mafic volcaniclastics and sediments. Abundant surface rock samples collected from boulders and sub-crops assayed between 2.5 and 31.9 g/t Au and up to 10.3% Cu. This mineralization is coincident with a chargeability anomaly extending over 3 kilometres, and with multi-elements (As, Bi, Sb, W) anomalies in till. Proximal to Esperance are additional targets:

- Horizon Zone (5.62 g/t Au & 0.38% Cu) on a potential secondary structure to the North of Esperance
- Several additional chargeability trends parallel to the main Esperance structure associated with Au mineralization (Figure 7.16)

Aurora

The Aurora area consists of Au +/- Ag mineralization associated with weakly mineralized quartz veins set in fine-grained granite. Abundant surface rock samples collected over 200 metres assayed between up to 189 g/t Au. The host granite can be traced over 600 metres and the mineralization is coincident with gold anomalies in till samples extending over 2 kilometres. The Aurora central and west finds grading 457g/t Au (with visible gold) and 1.15g/t respectively and are the possible extension of the Aurora mineralization of 1.7 km to the West

Focused Intrusive

Proximal to the Aurora trend, is the Focused Intrusive which was identified in 2016 by a Au till anomaly. The 2017 mapping program identified several gold anomalies along the contact of the intrusive on the east side of the area with the highest values reported 8.93 g/t Au on sample 66754 and 4.25 g/t Au on sample 66773.

Central Qiqavik

The Central Qiqavik occurrence consists of a series of boulders with Au mineralization in mineralized quartz veinlets hosted in sheared and silicified granodiorite. Assays from boulders returned 113.96 g/t Au. The highest grading cluster of boulders sits in the southern boundary of the granodiorite intrusion (Figure 6.5). The granodiorite is a large intrusion currently mapped to be approximately 6X1 km. Only the most easterly 2 km have been mapped in the previous programs which have resulted in the identification of several mineralized structures both inside and outside of the intrusion.

Gerfaut

The Gerfaut area consists of Au - Ag +/- Pb +/- Zn mineralization associated with silicified, dolomitized and K-altered mineralized volcaniclastics. Some samples, assaying between 1.03 and 198 g/t Au, were collected from boulders and felsenmeer over 8 kilometres, their range being coincident with a magnetic crest. Historic diamond drill hole returned 3.08 g/t Au over 10.50 metres. In 2017, several boulders concentrated in 100 m2 reported high gold anomalies associated with polymetallic mineralization and visible gold were identified. A possible source for the boulders was identified up ice (to the south). One subcrop located 350 meters south reported 4.65 g/t Au with 0.23% Pb.

Summary

Based on field observations and petrographic study, more than one specific genetic deposit model could be involved to characterize the different mineralized zones. Additional studies are required to better understand the mineralization setting, with the current understanding of the property, the orogenic gold and metamorphosed gold-bearing polymetallic epithermal deposit are possible applicable models.

The Qiqavik property is located in a remote and isolated area of Northern Quebec. Logistics and weather conditions in this area remain a significant challenge. However, the two active mines, the intensive exploration

work completed by several companies in the last decades, including the exploration programs completed by Orford Mining Corporation in the area since 2015, confirm that these challenges are manageable.

Based on the work completed to date and the results leading to the identification of new high-grade gold mineralized zones along a 40 kilometres trend and on the fact that the Qiqavik property is under-explored, further exploration work is warranted.

12- RECOMMENDATIONS

Significant mineralization has been recently discovered on the property, but an understanding of the geological and mineralization setting remains limited.

The main goal of future work should be ground exploration to complete the mapping / sampling coverage of the property. Focus should be maintained on finding new mineralized areas, extend the known mineralized zones, and develop geochemical and geophysical targets for a drill program.

Future work should include:

A) Geological Mapping and surface sampling:

- Property scale traverses and till sampling on new ground and in-filling the 2017 line-spacing
- Detailed mapping, including structural mapping, of known occurrences, priority being given to the Esperance, Aurora, Central and Gerfaut areas

B) Ground Dipole-Dipole IP Survey:

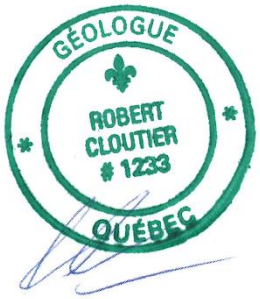
- Extension of the Central Qiqavik grid to the North, South and West.
- New grid over selected area of Gerfaut and Gerfaut South

C) Magnetic Survey

- At the time of writing this report, a property wide magnetic survey is in progress.



Arnaud Fontaine, géo
Membre OGQ #1698



Robert Cloutier, géo
Membre OGQ #1233



Brian Bélisle, géo
Membre OGQ #1529

13- REFERENCES

Baragar and Scoates 1987., *Volcanic Geochemistry of the Northern Segments of the Circum-Superior Belt of the Canadian Shield*. Geological Society, London, Special Publications 1987, v. 33, p. 113-131

Boreale Exploration, 1998. Levé Electromagnetic et Magnetique Héliporte, Bloc Gerfaut. GM-56130

Chemam, 2016. GPS-Positioned Ground Magnetic Field and Resistivity/IP (Gradient & Dipole-Dipole) Surveys, Qiqavik Project, Northern Quebec, Canada. Logistics and interpretation report. Abitibi Geophysics.

Corrigan, D., Galley, A.G., and Pehrsson, S., 2007. *Tectonic evolution and metallogeny of the southwestern Trans-Hudson Orogen. Special Publication - Geological Association of Canada. Mineral Deposits Division 5, 881-902, Mineral deposits of Canada; a synthesis of major deposit types, district metallogeny, the evolution of geological provinces, and exploration methods*.

Daigneault, R.A. 2008. *Géologie du Quaternaire du nord de la péninsule d'Ungava, Québec*: Geological Survey of Canada, Bulletin 533. 116 p., 3 maps 1:250,000.

Dombrowski C. 2017, *NI 43-101 Technical Report on Qiqavik Project*, IOS Services Géoscientifiques Inc,

Falconbridge Ltee, 1996. *A report in Geophysical Surveys*, Parent Grid. GM-54299.

Giovanazzo, D., 1997. *Geological and Drill Report, Lac Parent*. Falconbridge Ltee. GM-54904.

Giovenazzo, D., Picard, D., Tremblay, C. and Levebvre, C., 1991. *Gitologie de la partie occidentale de la fosse de l'Ungava: regions des lac Chukotat, Venasse*, Hubert & Lessard. 102 pages. MB 91-23

Giovenazzo, D., 1989. Indices minéralisés du secteur central de la fosse de l'Ungava: régions du lac Belanger, des lacs Nuvilik et du lac Cecilia.

Hervet, M. 1985. *Région de la vallée de la Narsajuak, Fosse de l'Ungava*. Ministère de l'Énergie et des Ressources, Québec, DP 85-05

Jourdain, V., 1998. Rapport Sur Led Travaux D'exploration de la Saison 1998, Project Gerfaut, SOQUEM. GM-56129.

Lamothe, D., 2014. Évaluation du potentiel pour les minéralisations de type or orogénique dans le Domaine Nord de l'Orogène de l'Ungava. MERNQ, 36 pages, EP2013-01.

Lamothe, D. 1994. *Géologie de la Fosse de l'Ungava, Nouveau-Québec*. Dans Géologie du Québec, les publications du Québec, pp.67 - 74.

Lamothe, D., and Simard, M, 2012. *Geological Compilation of the Ungava Origin* (Preliminary Version). MRNF, RP 2010-05.

Machado, N., David, J., Lamothe, D., Phillippe, S. & Gariepy, C. 1993. U-Pb geochronology of the Western Cape Smith belt, Canada: new insights on the age of initial rifting and arc magmatism. Precambrian Research, 63, p. 211-223.

Maurice, C. and Lamothe, D. 2012. Nouveau Levé Géochimique de Sédiments De Lac Dans L'extrême Nord du Québec, MRNF, PRO 2012-03.

Minifie, M., Kerr, A., Ernst, R., Hastie, A., Ciborowski, J., Desharnais, G., & Millar, I., 2013. The Northern and Southern sections of the western ca. 1880 Ma Circum Superior Large Igneous Province, North America: The Pickle Crow Dyke Connection. Litho 174, p. 217-235.

Picard, C., 1995. Synthèse pétrogéochimique des roches volcaniques proterozoïques de la ceinture orogénique de l'Ungava: évolution géologique des Groupes de Povungnituk, de Chukotat et de Parent. MRN-Secteur des mines.

Picard, C., Giovanezzo, D., Thibert, F., Tremblay, C., 1994. Pétrographie, géochimie et gitologie des roches plutoniques ultramafiques et mafiques proterozoïques de la partie centrale de la Fosse de l'Ungava: implications sur la distribution des éléments du groupe des platinoïdes. MRNQ. 402 pages. MB94-30.

Picard, C., Lamothe, D., Piboule, M., and Olivier., R, 1990. Magmatic and Geotectonic Evolution of a Proterozoic ocean basin system: the Cape Smith Thrust-Fold Belt (New-Quebec). Precambrian Research, 47, 223-249.

Robert, F., Brommecker, R., Bourne, B.T., Dobak, P.J., McEwan, C..J., Rowe, R. R. [2], Zhou, X., 2007. *Models and Exploration Methods for Major Gold Deposit Types*. In: Models and Exploration methods for Major Gold Deposit Types - Ore Deposits and Exploration Technology, Paper 48, 21 pages.

Scott, D.J., 1990. Geology and geochemistry of the Early Proterozoic Purtuniq ophiolite, Cape Smith Belt, northern Quebec, Canada, Doctoral thesis, Queen's University, Ontario.

Scott, D.J., St-Onge, M.R., Lucas, S.B., Helmstead, H., 1991. *Geology and geochemistry of the Early Proterozoic Purtuniq ophiolite, Cape Smith Belt, northern Quebec, Canada*. In: Ophiolite genesis and evolution of the oceanic lithosphere (Peters, T., editor). Kluwer Academic Publishers, Amsterdam, pp 825-857.

St-Onge, M.R., Henderson, I., Baragar, W.R.A., 2006. *Geology, Cape Smith Belt and adjacent domains, Ungava Peninsula, Quebec-Nunavut*. GSC Open file 4930, 2 maps.

St-Onge, M.R. and Lucas, S.B., 1993. *Geology of the eastern Cape Smith Belt*: Parts of the Kangiqsujuaq, Cratere du Nouveau-Quebec, and Lac Nuvilik map areas, Quebec. G.S.C. Memoir 438.

Stewart, R.V., 1976. *Geology of the Asbestos Hill area*; Canadian Institute of Mining and Metallurgy Bulletin, v. 69, no. 77, p. 62-69.

Tremblay, G., 1989. *Géologie da la région du Lac Vanasse*, MERQ, 21 pages. ET87-08

Orford Mining

14- CERTIFICATE OF QUALIFICATION

CERTIFICAT DE QUALIFICATION

Robert Cloutier

Je suis un citoyen canadien, résidant au 81 rue Germain, Amos, Québec, J9T 4J4, Canada, certifie par la présente que :

1. Je suis gradué de l'Université de Montréal en 1986 avec le diplôme de bachelier (BSc) en Géologie.

2. Je pratique ma profession depuis 1986 en exploration et production minière avec une interruption de 7 ans entre 2000 et 2007.

3. Je suis membre en règle de l'Ordre des Géologues du Québec (OGQ) depuis 2008, sous le numéro de membre 1233.

4. Je travaille, à temps plein, pour la société Royal Nickel Corporation depuis 2007 à titre de géologue puis de géologue sénior opérations.

5. Je reçois de mon employeur, à titre incitatif, des options d'achat d'actions dans la compagnie Royal Nickel Corporation.

6. Je travaille sur le projet Qiqavik depuis 2016, j'ai visité la propriété et j'ai examiné la roche et la carotte de forage du projet Qiqavik.

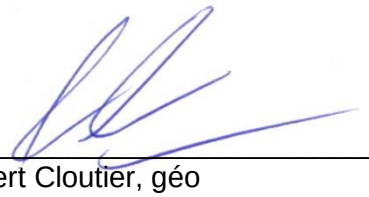
7. Je suis coauteur du rapport intitulé « 2017 Exploration Program of the Qiqavik & Parent Properties » et j'assume les responsabilités de tous les aspects géologiques de ce rapport.

8. J'ai supervisé le travail des professionnels de Royal Nickel Corporation qui ont travaillé à la compilation, l'interprétation et la rédaction de ce rapport.

9. Le contenu de ce rapport est fondé sur mon expérience personnelle, sur une étude des rapports de travaux et des cartes disponibles et résume fidèlement les travaux effectués. Cette étude est valable dans les limites de mes qualifications et de mon expérience professionnelle.

10. Je consens à l'utilisation de mon nom en regard de ce rapport.

EN FOI DE QUOI, je signe à Amos, ce 8 juin 2018.



Robert Cloutier, géo
Géologue Sénior Opérations
Royal Nickel Corporation

Orford Mining

CERTIFICAT DE QUALIFICATION

Brian Bélisle

Je soussigné, Brian Bélisle, géo, domicilié au 281, rue Marchildon, Amos, Québec, Canada, J9T 4G5, certifie par la présente que :

1. Je travaille pour la compagnie Royal Nickel Corporation, 42 rue Trudel, Amos, Québec, Canada, J9T 4N1, depuis 2011 à titre de Géologue.

2. Je suis diplômé de l'Université de Québec à Montréal et détiens un Baccalauréat en Sciences de la Terre et de l'Atmosphère (2010) en concentration Géologie.

3. Je suis membre de l'Ordre des Géologues du Québec depuis 2011, sous le numéro de membre 1529.

4. Je pratique ma profession dans le domaine de la géologie et de l'exploration minérale au Canada depuis 2011.

5. Je suis coauteur du rapport intitulé « 2017 Exploration Program of the Qiqavik & Parent Properties », et j'assume les responsabilités de tous les aspects géologiques de ce rapport.

6. Ce rapport est fondé sur mon expérience personnelle, sur des rapports de travaux et sur des cartes disponibles.

7. En autant que je le sache, il n'y a aucun fait substantiel ou changement significatif en ce qui concerne le sujet du rapport qui ne serait pas reflété dans le rapport mentionné.

8. Je consens à l'utilisation de mon nom en regard de ce rapport.

EN FOI DE QUOI, je signe à Amos, ce 8 juin 2018.



Brian Bélisle,géo
Géologue d'exploration – Projet Dumont
Royal Nickel Corporation

Orford Mining

CERTIFICAT DE QUALFICATION

Arnaud Fontaine

Je soussigné, Arnaud Fontaine, géo, domicilié au 541, 7e Avenue Ouest, Amos, Québec, Canada, J9T 1N4, certifie par la présente que :

1. Je travaille pour la compagnie Royal Nickel Corporation, 42 rue Trudel, Amos, Québec, Canada, J9T 4N1, depuis 2012 à titre de Géologue Stagiaire, puis comme géologue depuis 2017.

2. Je suis diplômé de l'Université de Québec à Montréal et détiens un Baccalauréat en Sciences de la Terre et de l'Atmosphère (2012) en concentration Géologie.

3. Je suis membre de l'Ordre des Géologues du Québec depuis 2012, sous le numéro de membre 1608.

4. Je pratique ma profession dans le domaine de la géologie et de l'exploration minérale au Canada depuis 2012.

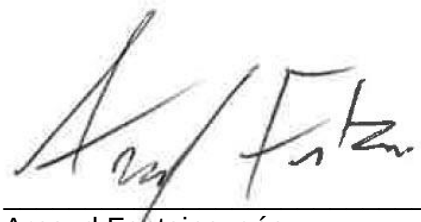
5. Je suis coauteur du rapport intitulé « 2017 Exploration Program of the Qiqavik & Parent Properties », et j'assume les responsabilités de tous les aspects géologiques de ce rapport.

6. Ce rapport est fondé sur mon expérience personnelle de la région, sur des rapports de travaux et sur des cartes disponibles ainsi que sur des travaux que j'y ai effectués.

7. En autant que je le sache, il n'y a aucun fait substantiel ou changement significatif en ce qui concerne le sujet du rapport qui ne serait pas reflété dans le rapport mentionné.

8. Je consens à l'utilisation de mon nom en regard de ce rapport.

EN FOI DE QUOI, je signe à Amos, ce 8 juin 2018.



Arnaud Fontaine, géo,
Géologue d'exploration – Projet Dumont
Royal Nickel Corporation

Appendix 1

List of claims 100 % owned by Orford Mining Corporation (97184)

Title No	NTS #	Surface area (Ha)	Status	Registration Date	Expiration Date
2435149	35G11	41.12	Active	20151210	20191209
2435150	35G11	41.12	Active	20151210	20191209
2435151	35G11	41.12	Active	20151210	20191209
2435152	35G11	41.12	Active	20151210	20191209
2435153	35G11	41.12	Active	20151210	20191209
2435154	35G11	41.12	Active	20151210	20191209
2435155	35G11	41.12	Active	20151210	20191209
2435156	35G11	41.12	Active	20151210	20191209
2435157	35G11	41.12	Active	20151210	20191209
2435158	35G11	41.12	Active	20151210	20191209
2435159	35G11	41.12	Active	20151210	20191209
2435160	35G11	41.11	Active	20151210	20191209
2435161	35G11	41.11	Active	20151210	20191209
2435162	35G11	41.11	Active	20151210	20191209
2435163	35G11	41.11	Active	20151210	20191209
2435164	35G11	41.11	Active	20151210	20191209
2435165	35G11	41.11	Active	20151210	20191209
2435166	35G11	41.11	Active	20151210	20191209
2435167	35G11	41.11	Active	20151210	20191209
2435168	35G11	41.11	Active	20151210	20191209
2435169	35G11	41.11	Active	20151210	20191209
2435170	35G11	41.11	Active	20151210	20191209
2435171	35G11	41.10	Active	20151210	20191209
2435172	35G11	41.10	Active	20151210	20191209
2435173	35G11	41.10	Active	20151210	20191209
2435174	35G11	41.10	Active	20151210	20191209
2435175	35G11	41.10	Active	20151210	20191209
2435176	35G11	41.10	Active	20151210	20191209
2435177	35G11	41.10	Active	20151210	20191209
2435178	35G11	41.10	Active	20151210	20191209
2435179	35G11	41.10	Active	20151210	20191209
2435180	35G11	41.10	Active	20151210	20191209
2435181	35G11	41.10	Active	20151210	20191209
2435182	35G11	41.09	Active	20151210	20191209
2435183	35G11	41.09	Active	20151210	20191209
2435184	35G11	41.09	Active	20151210	20191209
2435185	35G11	41.09	Active	20151210	20191209
2435186	35G11	41.09	Active	20151210	20191209
2435187	35G05	41.20	Active	20151210	20191209
2435188	35G05	41.20	Active	20151210	20191209
2435189	35G05	41.20	Active	20151210	20191209

Appendix 1

List of claims 100 % owned by Orford Mining Corporation (97184)

Title No	NTS #	Surface area (Ha)	Status	Registration Date	Expiration Date
2435190	35G05	41.20	Active	20151210	20191209
2435191	35G05	41.19	Active	20151210	20191209
2438213	35G05	37.36	Active	20160316	20200315
2438214	35G05	41.19	Active	20160316	20200315
2439305	35G11	41.14	Active	20160407	20200406
2439306	35G11	41.14	Active	20160407	20200406
2439307	35G11	41.14	Active	20160407	20200406
2439308	35G11	41.14	Active	20160407	20200406
2439309	35G11	41.14	Active	20160407	20200406
2439310	35G11	41.14	Active	20160407	20200406
2439311	35G11	41.14	Active	20160407	20200406
2439312	35G11	41.14	Active	20160407	20200406
2439313	35G11	41.14	Active	20160407	20200406
2439314	35G11	41.14	Active	20160407	20200406
2439315	35G11	41.14	Active	20160407	20200406
2439316	35G11	41.13	Active	20160407	20200406
2439317	35G11	41.13	Active	20160407	20200406
2439318	35G11	41.13	Active	20160407	20200406
2439319	35G11	41.13	Active	20160407	20200406
2439320	35G11	41.13	Active	20160407	20200406
2439321	35G11	41.13	Active	20160407	20200406
2439322	35G11	41.13	Active	20160407	20200406
2439323	35G11	41.13	Active	20160407	20200406
2439324	35G11	41.13	Active	20160407	20200406
2439325	35G11	41.13	Active	20160407	20200406
2439326	35G11	41.13	Active	20160407	20200406
2439327	35G11	41.13	Active	20160407	20200406
2439328	35G11	41.13	Active	20160407	20200406
2439329	35G11	41.13	Active	20160407	20200406
2439330	35G11	41.13	Active	20160407	20200406
2439331	35G11	41.13	Active	20160407	20200406
2439332	35G11	41.13	Active	20160407	20200406
2439333	35G11	41.13	Active	20160407	20200406
2439334	35G11	41.13	Active	20160407	20200406
2439335	35G11	41.13	Active	20160407	20200406
2439336	35G11	41.12	Active	20160407	20200406
2439337	35G11	41.12	Active	20160407	20200406
2439338	35G11	41.12	Active	20160407	20200406
2439339	35G11	41.12	Active	20160407	20200406
2439340	35G11	41.12	Active	20160407	20200406
2439341	35G11	41.12	Active	20160407	20200406

Appendix 1

List of claims 100 % owned by Orford Mining Corporation (97184)

Title No	NTS #	Surface area (Ha)	Status	Registration Date	Expiration Date
2439342	35G11	41.12	Active	20160407	20200406
2439343	35G11	41.12	Active	20160407	20200406
2439344	35G11	41.12	Active	20160407	20200406
2439345	35G11	41.12	Active	20160407	20200406
2439346	35G11	41.12	Active	20160407	20200406
2439347	35G11	41.12	Active	20160407	20200406
2439348	35G11	41.12	Active	20160407	20200406
2439349	35G11	41.12	Active	20160407	20200406
2439350	35G11	41.12	Active	20160407	20200406
2439351	35G11	41.12	Active	20160407	20200406
2439352	35G11	41.12	Active	20160407	20200406
2439353	35G11	41.12	Active	20160407	20200406
2439354	35G11	41.12	Active	20160407	20200406
2439355	35G11	41.12	Active	20160407	20200406
2439356	35G11	41.11	Active	20160407	20200406
2439357	35G11	41.11	Active	20160407	20200406
2439358	35G11	41.11	Active	20160407	20200406
2439359	35G11	41.11	Active	20160407	20200406
2439360	35G11	41.11	Active	20160407	20200406
2439361	35G11	41.11	Active	20160407	20200406
2439362	35G11	41.11	Active	20160407	20200406
2439363	35G11	41.11	Active	20160407	20200406
2439364	35G11	41.11	Active	20160407	20200406
2439365	35G11	41.11	Active	20160407	20200406
2439366	35G11	41.11	Active	20160407	20200406
2439367	35G11	41.11	Active	20160407	20200406
2439368	35G11	41.11	Active	20160407	20200406
2439369	35G11	41.11	Active	20160407	20200406
2439370	35G11	41.11	Active	20160407	20200406
2439371	35G11	41.11	Active	20160407	20200406
2439372	35G11	41.10	Active	20160407	20200406
2439373	35G11	41.10	Active	20160407	20200406
2439374	35G11	41.10	Active	20160407	20200406
2439375	35G11	41.10	Active	20160407	20200406
2439376	35G11	41.10	Active	20160407	20200406
2439377	35G11	41.10	Active	20160407	20200406
2439378	35G11	41.10	Active	20160407	20200406
2441897	35G05	41.19	Active	20160419	20200418
2441898	35G05	41.19	Active	20160419	20200418
2441899	35G11	41.09	Active	20160419	20200418
2441900	35G11	41.09	Active	20160419	20200418

Appendix 1

List of claims 100 % owned by Orford Mining Corporation (97184)

Title No	NTS #	Surface area (Ha)	Status	Registration Date	Expiration Date
2441901	35G11	41.09	Active	20160419	20200418
2441902	35G11	41.09	Active	20160419	20200418
2441903	35G11	41.09	Active	20160419	20200418
2441904	35G11	41.09	Active	20160419	20200418
2441905	35G11	41.09	Active	20160419	20200418
2441906	35G11	41.09	Active	20160419	20200418
2441907	35G11	41.09	Active	20160419	20200418
2441908	35G11	41.08	Active	20160419	20200418
2441909	35G11	41.08	Active	20160419	20200418
2441910	35G11	41.08	Active	20160419	20200418
2441911	35G11	41.08	Active	20160419	20200418
2441912	35G11	41.08	Active	20160419	20200418
2441913	35G11	41.08	Active	20160419	20200418
2441914	35G12	41.12	Active	20160419	20200418
2441915	35G12	41.12	Active	20160419	20200418
2441916	35G12	41.12	Active	20160419	20200418
2441917	35G12	41.11	Active	20160419	20200418
2441918	35G12	41.11	Active	20160419	20200418
2441919	35G12	41.11	Active	20160419	20200418
2441920	35G12	41.10	Active	20160419	20200418
2441921	35G12	41.10	Active	20160419	20200418
2441922	35G12	41.10	Active	20160419	20200418
2441923	35G12	41.09	Active	20160419	20200418
2441924	35G12	41.09	Active	20160419	20200418
2441925	35G12	41.09	Active	20160419	20200418
2441926	35G12	41.08	Active	20160419	20200418
2441927	35G12	41.08	Active	20160419	20200418
2441928	35G12	41.08	Active	20160419	20200418
2441929	35G12	41.12	Active	20160419	20200418
2441930	35G12	41.12	Active	20160419	20200418
2441931	35G12	41.12	Active	20160419	20200418
2441932	35G12	41.12	Active	20160419	20200418
2441933	35G12	41.11	Active	20160419	20200418
2441934	35G12	41.11	Active	20160419	20200418
2441935	35G12	41.11	Active	20160419	20200418
2441936	35G12	41.11	Active	20160419	20200418
2441937	35G12	41.10	Active	20160419	20200418
2441938	35G12	41.10	Active	20160419	20200418
2441939	35G12	41.10	Active	20160419	20200418
2441940	35G12	41.10	Active	20160419	20200418
2441941	35G12	41.09	Active	20160419	20200418

Appendix 1

List of claims 100 % owned by Orford Mining Corporation (97184)

Title No	NTS #	Surface area (Ha)	Status	Registration Date	Expiration Date
2441942	35G12	41.09	Active	20160419	20200418
2441943	35G12	41.09	Active	20160419	20200418
2441944	35G12	41.08	Active	20160419	20200418
2441945	35G12	41.08	Active	20160419	20200418
2441946	35G12	41.08	Active	20160419	20200418
2441947	35G11	41.08	Active	20160419	20200418
2441948	35G11	41.08	Active	20160419	20200418
2441949	35G11	41.08	Active	20160419	20200418
2442083	35G12	41.12	Active	20160419	20200418
2442084	35G12	41.12	Active	20160419	20200418
2442085	35G12	41.12	Active	20160419	20200418
2442086	35G12	41.12	Active	20160419	20200418
2442087	35G12	41.12	Active	20160419	20200418
2442088	35G12	41.12	Active	20160419	20200418
2442089	35G12	41.12	Active	20160419	20200418
2442090	35G12	41.12	Active	20160419	20200418
2442091	35G12	41.12	Active	20160419	20200418
2442092	35G12	41.12	Active	20160419	20200418
2442093	35G12	41.12	Active	20160419	20200418
2442094	35G12	41.12	Active	20160419	20200418
2442095	35G12	41.12	Active	20160419	20200418
2442096	35G12	41.12	Active	20160419	20200418
2442097	35G12	41.12	Active	20160419	20200418
2442098	35G12	41.11	Active	20160419	20200418
2442099	35G12	41.11	Active	20160419	20200418
2442100	35G12	41.11	Active	20160419	20200418
2442101	35G12	41.11	Active	20160419	20200418
2442102	35G12	41.11	Active	20160419	20200418
2442103	35G12	41.11	Active	20160419	20200418
2442104	35G12	41.11	Active	20160419	20200418
2442105	35G12	41.11	Active	20160419	20200418
2442106	35G12	41.11	Active	20160419	20200418
2442107	35G12	41.11	Active	20160419	20200418
2442108	35G12	41.11	Active	20160419	20200418
2442109	35G12	41.11	Active	20160419	20200418
2442110	35G12	41.11	Active	20160419	20200418
2442111	35G12	41.11	Active	20160419	20200418
2442112	35G12	41.11	Active	20160419	20200418
2442113	35G12	41.11	Active	20160419	20200418
2442114	35G12	41.10	Active	20160419	20200418
2442115	35G12	41.10	Active	20160419	20200418

Appendix 1

List of claims 100 % owned by Orford Mining Corporation (97184)

Title No	NTS #	Surface area (Ha)	Status	Registration Date	Expiration Date
2442116	35G12	41.10	Active	20160419	20200418
2442117	35G12	41.10	Active	20160419	20200418
2442118	35G12	41.10	Active	20160419	20200418
2442119	35G12	41.10	Active	20160419	20200418
2442120	35G12	41.10	Active	20160419	20200418
2442121	35G12	41.10	Active	20160419	20200418
2442122	35G12	41.10	Active	20160419	20200418
2442123	35G12	41.10	Active	20160419	20200418
2442124	35G12	41.10	Active	20160419	20200418
2442125	35G12	41.09	Active	20160419	20200418
2442126	35G12	41.09	Active	20160419	20200418
2442127	35G12	41.09	Active	20160419	20200418
2442128	35G12	41.09	Active	20160419	20200418
2442129	35G12	41.09	Active	20160419	20200418
2442130	35G12	41.09	Active	20160419	20200418
2442131	35G12	41.09	Active	20160419	20200418
2442132	35G12	41.09	Active	20160419	20200418
2442133	35G12	41.09	Active	20160419	20200418
2442134	35G12	41.09	Active	20160419	20200418
2442135	35G12	41.09	Active	20160419	20200418
2442136	35G12	41.09	Active	20160419	20200418
2442137	35G12	41.08	Active	20160419	20200418
2442138	35G12	41.08	Active	20160419	20200418
2442139	35G12	41.08	Active	20160419	20200418
2442140	35G12	41.08	Active	20160419	20200418
2442141	35G12	41.08	Active	20160419	20200418
2442142	35G12	41.08	Active	20160419	20200418
2442143	35G12	41.08	Active	20160419	20200418
2442144	35G12	41.08	Active	20160419	20200418
2442145	35G12	41.08	Active	20160419	20200418
2442146	35G12	41.08	Active	20160419	20200418
2442147	35G12	41.08	Active	20160419	20200418
2442148	35G12	41.07	Active	20160419	20200418
2442149	35G12	41.07	Active	20160419	20200418
2442150	35G12	41.07	Active	20160419	20200418
2442151	35G12	41.07	Active	20160419	20200418
2442152	35G12	41.07	Active	20160419	20200418
2442153	35G12	41.07	Active	20160419	20200418
2442154	35G12	41.05	Active	20160419	20200418
2442155	35G12	41.05	Active	20160419	20200418
2442156	35G12	41.05	Active	20160419	20200418

Appendix 1

List of claims 100 % owned by Orford Mining Corporation (97184)

Title No	NTS #	Surface area (Ha)	Status	Registration Date	Expiration Date
2442157	35G12	41.05	Active	20160419	20200418
2442158	35G12	41.05	Active	20160419	20200418
2442159	35G12	41.05	Active	20160419	20200418
2442160	35G12	41.05	Active	20160419	20200418
2442161	35G12	41.04	Active	20160419	20200418
2442162	35G12	41.04	Active	20160419	20200418
2442163	35G12	41.04	Active	20160419	20200418
2442164	35G12	41.04	Active	20160419	20200418
2442165	35G12	41.04	Active	20160419	20200418
2442166	35G12	41.04	Active	20160419	20200418
2442167	35G12	41.04	Active	20160419	20200418
2442168	35G12	41.04	Active	20160419	20200418
2442169	35G12	41.03	Active	20160419	20200418
2442170	35G12	41.03	Active	20160419	20200418
2442171	35G12	41.03	Active	20160419	20200418
2442172	35G12	41.03	Active	20160419	20200418
2442173	35G12	41.03	Active	20160419	20200418
2442174	35G12	41.03	Active	20160419	20200418
2442175	35G12	41.03	Active	20160419	20200418
2442176	35G12	41.03	Active	20160419	20200418
2442177	35G12	41.02	Active	20160419	20200418
2442178	35G12	41.02	Active	20160419	20200418
2442179	35G12	41.02	Active	20160419	20200418
2442180	35G12	41.02	Active	20160419	20200418
2442181	35G12	41.02	Active	20160419	20200418
2442182	35G12	41.03	Active	20160419	20200418
2442183	35G12	41.02	Active	20160419	20200418
2442184	35G12	41.02	Active	20160419	20200418
2442185	35G12	41.01	Active	20160419	20200418
2442186	35G12	41.01	Active	20160419	20200418
2442187	35G12	41.01	Active	20160419	20200418
2442188	35G12	41.01	Active	20160419	20200418
2442189	35G12	41.10	Active	20160419	20200418
2442190	35G12	41.10	Active	20160419	20200418
2442191	35G12	41.10	Active	20160419	20200418
2442192	35G12	41.10	Active	20160419	20200418
2442193	35G12	41.10	Active	20160419	20200418
2442194	35G12	41.10	Active	20160419	20200418
2442195	35G12	41.09	Active	20160419	20200418
2442196	35G12	41.09	Active	20160419	20200418
2442197	35G12	41.09	Active	20160419	20200418

Appendix 1

List of claims 100 % owned by Orford Mining Corporation (97184)

Title No	NTS #	Surface area (Ha)	Status	Registration Date	Expiration Date
2442198	35G12	41.09	Active	20160419	20200418
2442199	35G12	41.09	Active	20160419	20200418
2442200	35G12	41.09	Active	20160419	20200418
2442201	35G12	41.09	Active	20160419	20200418
2442202	35G12	41.08	Active	20160419	20200418
2442203	35G12	41.08	Active	20160419	20200418
2442204	35G12	41.08	Active	20160419	20200418
2442205	35G12	41.08	Active	20160419	20200418
2442206	35G12	41.08	Active	20160419	20200418
2442207	35G12	41.08	Active	20160419	20200418
2442208	35G12	41.08	Active	20160419	20200418
2442209	35G12	41.08	Active	20160419	20200418
2442210	35G12	41.08	Active	20160419	20200418
2442211	35G12	41.07	Active	20160419	20200418
2442212	35G12	41.07	Active	20160419	20200418
2442213	35G12	41.07	Active	20160419	20200418
2442214	35G12	41.07	Active	20160419	20200418
2442215	35G12	41.07	Active	20160419	20200418
2442216	35G12	41.07	Active	20160419	20200418
2442217	35G12	41.07	Active	20160419	20200418
2442218	35G12	41.07	Active	20160419	20200418
2442219	35G12	41.07	Active	20160419	20200418
2442220	35G12	41.07	Active	20160419	20200418
2442221	35G12	41.07	Active	20160419	20200418
2442222	35G12	41.05	Active	20160419	20200418
2442223	35G12	41.05	Active	20160419	20200418
2442224	35G12	41.05	Active	20160419	20200418
2442225	35G12	41.05	Active	20160419	20200418
2442226	35G12	41.05	Active	20160419	20200418
2442227	35G12	41.05	Active	20160419	20200418
2442228	35G12	41.05	Active	20160419	20200418
2442229	35G12	41.05	Active	20160419	20200418
2442230	35G12	41.05	Active	20160419	20200418
2442231	35G12	41.05	Active	20160419	20200418
2442232	35G12	41.05	Active	20160419	20200418
2442233	35G12	41.04	Active	20160419	20200418
2442234	35G12	41.04	Active	20160419	20200418
2442235	35G12	41.04	Active	20160419	20200418
2442236	35G12	41.04	Active	20160419	20200418
2442237	35G12	41.04	Active	20160419	20200418
2442238	35G12	41.04	Active	20160419	20200418

Appendix 1

List of claims 100 % owned by Orford Mining Corporation (97184)

Title No	NTS #	Surface area (Ha)	Status	Registration Date	Expiration Date
2442239	35G12	41.04	Active	20160419	20200418
2442240	35G12	41.03	Active	20160419	20200418
2442241	35G12	41.03	Active	20160419	20200418
2442242	35G12	41.03	Active	20160419	20200418
2442243	35G12	41.03	Active	20160419	20200418
2442244	35G12	41.02	Active	20160419	20200418
2442245	35G12	41.02	Active	20160419	20200418
2442246	35G12	41.02	Active	20160419	20200418
2442247	35G12	41.02	Active	20160419	20200418
2442248	35G12	41.02	Active	20160419	20200418
2442249	35G12	41.01	Active	20160419	20200418
2442250	35G12	41.01	Active	20160419	20200418
2442251	35G12	41.01	Active	20160419	20200418
2442252	35G12	41.01	Active	20160419	20200418
2442253	35G12	41.01	Active	20160419	20200418
2457077	35G11	41.08	Active	20160811	20180810
2457078	35G11	41.08	Active	20160811	20180810
2457079	35G11	41.08	Active	20160811	20180810
2457080	35G11	41.08	Active	20160811	20180810
2457081	35G11	41.08	Active	20160811	20180810
2457082	35G12	41.12	Active	20160811	20180810
2457083	35G12	41.12	Active	20160811	20180810
2457084	35G12	41.12	Active	20160811	20180810
2457085	35G12	41.12	Active	20160811	20180810
2457086	35G12	41.11	Active	20160811	20180810
2457087	35G12	41.11	Active	20160811	20180810
2457088	35G12	41.11	Active	20160811	20180810
2457089	35G12	41.11	Active	20160811	20180810
2457090	35G12	41.11	Active	20160811	20180810
2457091	35G12	41.10	Active	20160811	20180810
2457092	35G12	41.10	Active	20160811	20180810
2457093	35G12	41.10	Active	20160811	20180810
2457094	35G12	41.10	Active	20160811	20180810
2457095	35G12	41.10	Active	20160811	20180810
2457096	35G12	41.09	Active	20160811	20180810
2457097	35G12	41.09	Active	20160811	20180810
2457098	35G12	41.09	Active	20160811	20180810
2457099	35G12	41.09	Active	20160811	20180810
2457100	35G12	41.08	Active	20160811	20180810
2457101	35G12	41.08	Active	20160811	20180810
2457102	35G12	41.08	Active	20160811	20180810

Appendix 1

List of claims 100 % owned by Orford Mining Corporation (97184)

Title No	NTS #	Surface area (Ha)	Status	Registration Date	Expiration Date
2457103	35G12	41.08	Active	20160811	20180810
2457104	35G12	41.08	Active	20160811	20180810
2457105	35G12	41.07	Active	20160811	20180810
2457106	35G12	41.07	Active	20160811	20180810
2457107	35G12	41.07	Active	20160811	20180810
2457108	35G12	41.07	Active	20160811	20180810
2457109	35G12	41.07	Active	20160811	20180810
2457110	35G12	41.07	Active	20160811	20180810
2457111	35G12	41.06	Active	20160811	20180810
2457112	35G12	41.06	Active	20160811	20180810
2457113	35G12	41.06	Active	20160811	20180810
2457114	35G12	41.06	Active	20160811	20180810
2457115	35G12	41.05	Active	20160811	20180810
2457116	35G12	41.05	Active	20160811	20180810
2457117	35G12	41.05	Active	20160811	20180810
2457118	35G12	41.04	Active	20160811	20180810
2457119	35G12	41.04	Active	20160811	20180810
2457120	35G12	41.04	Active	20160811	20180810
2457121	35G12	41.04	Active	20160811	20180810
2457122	35G12	41.04	Active	20160811	20180810
2457123	35G12	41.04	Active	20160811	20180810
2457124	35G12	41.03	Active	20160811	20180810
2457125	35G12	41.03	Active	20160811	20180810
2457126	35G12	41.03	Active	20160811	20180810
2457127	35G12	41.03	Active	20160811	20180810
2457128	35G12	41.03	Active	20160811	20180810
2457129	35G12	41.02	Active	20160811	20180810
2457130	35G12	41.02	Active	20160811	20180810
2457131	35G12	41.02	Active	20160811	20180810
2457132	35G12	41.02	Active	20160811	20180810
2457133	35G12	41.01	Active	20160811	20180810
2457134	35G12	41.00	Active	20160811	20180810
2457135	35G12	41.00	Active	20160811	20180810
2457136	35G12	41.00	Active	20160811	20180810
2457137	35G12	41.00	Active	20160811	20180810
2457138	35G12	41.00	Active	20160811	20180810
2457139	35G12	41.00	Active	20160811	20180810
2457140	35G12	41.00	Active	20160811	20180810
2457141	35G12	41.00	Active	20160811	20180810
2457142	35G12	41.00	Active	20160811	20180810
2457143	35G12	41.00	Active	20160811	20180810

Appendix 1

List of claims 100 % owned by Orford Mining Corporation (97184)

Title No	NTS #	Surface area (Ha)	Status	Registration Date	Expiration Date
2457144	35G12	40.99	Active	20160811	20180810
2457145	35G12	40.99	Active	20160811	20180810
2457146	35G12	40.99	Active	20160811	20180810
2457147	35G12	40.99	Active	20160811	20180810
2457148	35G12	40.99	Active	20160811	20180810
2457149	35G12	40.99	Active	20160811	20180810
2457150	35G12	40.99	Active	20160811	20180810
2457151	35G12	40.99	Active	20160811	20180810
2457152	35G12	40.98	Active	20160811	20180810
2457153	35G12	40.98	Active	20160811	20180810
2457154	35G12	40.98	Active	20160811	20180810
2457155	35G12	40.98	Active	20160811	20180810
2457156	35G12	40.98	Active	20160811	20180810
2457157	35G12	41.04	Active	20160811	20180810
2457158	35G12	41.04	Active	20160811	20180810
2457159	35G12	41.04	Active	20160811	20180810
2457160	35G12	41.04	Active	20160811	20180810
2457161	35G12	41.03	Active	20160811	20180810
2457162	35G12	41.03	Active	20160811	20180810
2457163	35G12	41.03	Active	20160811	20180810
2457164	35G12	41.03	Active	20160811	20180810
2457165	35G12	41.03	Active	20160811	20180810
2457166	35G12	41.03	Active	20160811	20180810
2457167	35G12	41.03	Active	20160811	20180810
2457168	35G12	41.03	Active	20160811	20180810
2457169	35G12	41.03	Active	20160811	20180810
2457170	35G12	41.02	Active	20160811	20180810
2457171	35G12	41.02	Active	20160811	20180810
2457172	35G12	41.02	Active	20160811	20180810
2457173	35G12	41.02	Active	20160811	20180810
2457174	35G12	41.02	Active	20160811	20180810
2457175	35G12	41.02	Active	20160811	20180810
2457176	35G12	41.02	Active	20160811	20180810
2457177	35G12	41.01	Active	20160811	20180810
2457178	35G12	41.01	Active	20160811	20180810
2457179	35G12	41.01	Active	20160811	20180810
2457180	35G12	41.01	Active	20160811	20180810
2457181	35G12	41.01	Active	20160811	20180810
2457182	35G12	41.01	Active	20160811	20180810
2457253	35G11	41.13	Active	20160812	20180811
2457254	35G11	41.13	Active	20160812	20180811

Appendix 1

List of claims 100 % owned by Orford Mining Corporation (97184)

Title No	NTS #	Surface area (Ha)	Status	Registration Date	Expiration Date
2457255	35G11	41.13	Active	20160812	20180811
2457256	35G11	41.13	Active	20160812	20180811
2457257	35G11	41.13	Active	20160812	20180811
2457258	35G11	41.13	Active	20160812	20180811
2457259	35G11	41.13	Active	20160812	20180811
2457260	35G11	41.13	Active	20160812	20180811
2457261	35G11	41.13	Active	20160812	20180811
2457262	35G11	41.13	Active	20160812	20180811
2457263	35G12	41.13	Active	20160812	20180811
2457264	35G12	41.13	Active	20160812	20180811
2457265	35G12	41.13	Active	20160812	20180811
2457266	35G12	41.13	Active	20160812	20180811
2457267	35G12	41.13	Active	20160812	20180811
2457268	35G12	41.13	Active	20160812	20180811
2457269	35G12	41.13	Active	20160812	20180811
2457270	35G12	41.13	Active	20160812	20180811
2457271	35G12	41.13	Active	20160812	20180811
2457272	35G12	41.13	Active	20160812	20180811
2457273	35G12	41.13	Active	20160812	20180811
2457274	35G12	41.13	Active	20160812	20180811
2457275	35G12	41.13	Active	20160812	20180811
2457276	35G12	41.13	Active	20160812	20180811
2457277	35G12	41.13	Active	20160812	20180811
2457278	35G12	41.13	Active	20160812	20180811
2457279	35G12	41.13	Active	20160812	20180811
2457280	35G12	41.13	Active	20160812	20180811
2457281	35G12	41.13	Active	20160812	20180811
2457282	35G12	41.13	Active	20160812	20180811
2457283	35G12	41.13	Active	20160812	20180811
2457284	35G12	41.13	Active	20160812	20180811
2457285	35G12	41.13	Active	20160812	20180811
2457286	35G12	41.13	Active	20160812	20180811
2457287	35G12	41.13	Active	20160812	20180811
2457288	35G12	41.13	Active	20160812	20180811
2457289	35G12	41.09	Active	20160812	20180811
2457290	35G12	41.08	Active	20160812	20180811
2457291	35G12	41.07	Active	20160812	20180811
2457292	35G12	41.04	Active	20160812	20180811
2457293	35G12	41.03	Active	20160812	20180811
2457294	35G12	41.02	Active	20160812	20180811
2457295	35G12	41.01	Active	20160812	20180811

Appendix 1

List of claims 100 % owned by Orford Mining Corporation (97184)

Title No	NTS #	Surface area (Ha)	Status	Registration Date	Expiration Date
2457296	35G12	41.00	Active	20160812	20180811
2457297	35G12	41.00	Active	20160812	20180811
2462242	35G12	40.91	Active	20160914	20180913
2462243	35G12	40.98	Active	20160914	20180913
2465124	35G12	41.04	Active	20161004	20181003
2465125	35G12	41.04	Active	20161004	20181003
2465126	35G12	41.04	Active	20161004	20181003
2465127	35G12	41.04	Active	20161004	20181003
2465128	35G12	41.04	Active	20161004	20181003
2465129	35G12	41.03	Active	20161004	20181003
2465130	35G12	0.03	Active	20161004	20181003
2465131	35G12	29.59	Active	20161004	20181003
2465132	35G12	6.15	Active	20161004	20181003
2465133	35G12	0.36	Active	20161004	20181003
2465134	35G12	33.98	Active	20161004	20181003
2465135	35G12	0.45	Active	20161004	20181003
2465136	35G12	0.24	Active	20161004	20181003
2465137	35G12	27.51	Active	20161004	20181003
2465138	35G12	0.07	Active	20161004	20181003
2465139	35G12	0.58	Active	20161004	20181003
2465140	35G12	0.01	Active	20161004	20181003
2465141	35G12	31.34	Active	20161004	20181003
2469662	35G12	31.52	Active	20161117	20181116
2469663	35G12	26.78	Active	20161117	20181116
2469664	35G12	34.53	Active	20161117	20181116
2470009	35G12	41.06	Active	20161129	20181128
2470010	35G12	41.06	Active	20161129	20181128
2470011	35G12	41.06	Active	20161129	20181128
2470012	35G12	41.06	Active	20161129	20181128
2470013	35G12	41.06	Active	20161129	20181128
2470014	35G12	41.06	Active	20161129	20181128
2470015	35G12	41.06	Active	20161129	20181128
2470016	35G12	41.06	Active	20161129	20181128
2470017	35F08	41.20	Active	20161129	20181128
2470018	35F08	41.20	Active	20161129	20181128
2470019	35F08	41.20	Active	20161129	20181128
2470020	35F08	41.20	Active	20161129	20181128
2470021	35F08	41.20	Active	20161129	20181128
2470022	35F08	41.20	Active	20161129	20181128
2470023	35F08	41.20	Active	20161129	20181128
2470024	35F08	41.20	Active	20161129	20181128

Appendix 1

List of claims 100 % owned by Orford Mining Corporation (97184)

Title No	NTS #	Surface area (Ha)	Status	Registration Date	Expiration Date
2470025	35F08	41.20	Active	20161129	20181128
2470026	35F08	41.20	Active	20161129	20181128
2470027	35F08	41.20	Active	20161129	20181128
2470028	35F08	41.20	Active	20161129	20181128
2470029	35F08	41.20	Active	20161129	20181128
2470030	35F08	41.20	Active	20161129	20181128
2470031	35F08	41.20	Active	20161129	20181128
2470032	35F08	41.20	Active	20161129	20181128
2470033	35F08	41.20	Active	20161129	20181128
2470034	35F08	41.20	Active	20161129	20181128
2470035	35F08	41.20	Active	20161129	20181128
2470036	35F08	41.20	Active	20161129	20181128
2470037	35F08	41.20	Active	20161129	20181128
2470038	35F08	41.20	Active	20161129	20181128
2470039	35F08	41.20	Active	20161129	20181128
2470040	35F08	41.20	Active	20161129	20181128
2470041	35F08	41.20	Active	20161129	20181128
2470042	35F08	41.20	Active	20161129	20181128
2470043	35F08	41.20	Active	20161129	20181128
2470044	35F08	41.19	Active	20161129	20181128
2470045	35F08	41.19	Active	20161129	20181128
2470046	35F08	41.19	Active	20161129	20181128
2470047	35F08	41.19	Active	20161129	20181128
2470048	35F08	41.19	Active	20161129	20181128
2470049	35F08	41.19	Active	20161129	20181128
2470050	35F08	41.19	Active	20161129	20181128
2470051	35F08	41.19	Active	20161129	20181128
2470052	35F08	41.19	Active	20161129	20181128
2470053	35F08	41.19	Active	20161129	20181128
2470054	35F08	41.19	Active	20161129	20181128
2470055	35F08	41.19	Active	20161129	20181128
2470056	35F08	41.19	Active	20161129	20181128
2470057	35F08	41.19	Active	20161129	20181128
2470058	35F08	41.19	Active	20161129	20181128
2470059	35F08	41.19	Active	20161129	20181128
2470060	35F08	41.19	Active	20161129	20181128
2470061	35F08	41.19	Active	20161129	20181128
2470062	35F08	41.19	Active	20161129	20181128
2470063	35F08	41.19	Active	20161129	20181128
2470064	35F08	41.19	Active	20161129	20181128
2470065	35F08	41.19	Active	20161129	20181128

Appendix 1

List of claims 100 % owned by Orford Mining Corporation (97184)

Title No	NTS #	Surface area (Ha)	Status	Registration Date	Expiration Date
2470066	35F08	41.19	Active	20161129	20181128
2470067	35F09	41.18	Active	20161129	20181128
2470068	35F09	41.18	Active	20161129	20181128
2470069	35F09	41.18	Active	20161129	20181128
2470070	35F09	41.18	Active	20161129	20181128
2470071	35F09	41.18	Active	20161129	20181128
2470072	35F09	41.18	Active	20161129	20181128
2470073	35F09	41.18	Active	20161129	20181128
2470074	35F09	41.18	Active	20161129	20181128
2470075	35F09	41.18	Active	20161129	20181128
2470076	35F09	41.18	Active	20161129	20181128
2470077	35F09	41.18	Active	20161129	20181128
2470078	35F09	41.18	Active	20161129	20181128
2470079	35F09	41.18	Active	20161129	20181128
2470080	35F09	41.18	Active	20161129	20181128
2470081	35F09	41.18	Active	20161129	20181128
2470082	35F09	41.18	Active	20161129	20181128
2470083	35F09	41.18	Active	20161129	20181128
2470084	35F09	41.18	Active	20161129	20181128
2470085	35F09	41.18	Active	20161129	20181128
2470086	35F09	41.17	Active	20161129	20181128
2470087	35F09	41.17	Active	20161129	20181128
2470088	35F09	41.17	Active	20161129	20181128
2470089	35F09	41.17	Active	20161129	20181128
2470090	35F09	41.17	Active	20161129	20181128
2470091	35F09	41.17	Active	20161129	20181128
2470092	35F09	41.17	Active	20161129	20181128
2470093	35F09	41.16	Active	20161129	20181128
2470094	35F09	41.16	Active	20161129	20181128
2470095	35F09	41.16	Active	20161129	20181128
2470096	35F09	41.15	Active	20161129	20181128
2470097	35F09	41.15	Active	20161129	20181128
2470098	35G05	41.20	Active	20161129	20181128
2470099	35F08	41.24	Active	20161129	20181128
2470100	35F08	41.24	Active	20161129	20181128
2470101	35F08	41.24	Active	20161129	20181128
2470102	35F08	41.23	Active	20161129	20181128
2470103	35F08	41.23	Active	20161129	20181128
2470104	35F08	41.23	Active	20161129	20181128
2470105	35F08	41.23	Active	20161129	20181128
2470106	35F08	41.23	Active	20161129	20181128

Appendix 1

List of claims 100 % owned by Orford Mining Corporation (97184)

Title No	NTS #	Surface area (Ha)	Status	Registration Date	Expiration Date
2470107	35F08	41.23	Active	20161129	20181128
2470108	35F08	41.23	Active	20161129	20181128
2470109	35F08	41.23	Active	20161129	20181128
2470110	35F08	41.23	Active	20161129	20181128
2470111	35F08	41.23	Active	20161129	20181128
2470112	35F08	41.23	Active	20161129	20181128
2470113	35F08	41.23	Active	20161129	20181128
2470114	35F08	41.23	Active	20161129	20181128
2470115	35F08	41.23	Active	20161129	20181128
2470116	35F08	41.23	Active	20161129	20181128
2470117	35F08	41.23	Active	20161129	20181128
2470118	35F08	41.23	Active	20161129	20181128
2470119	35F08	41.23	Active	20161129	20181128
2470120	35F08	41.23	Active	20161129	20181128
2470121	35F08	41.23	Active	20161129	20181128
2470122	35F08	41.23	Active	20161129	20181128
2470123	35F08	41.23	Active	20161129	20181128
2470124	35F08	41.23	Active	20161129	20181128
2470125	35F08	41.23	Active	20161129	20181128
2470126	35F08	41.22	Active	20161129	20181128
2470127	35F08	41.22	Active	20161129	20181128
2470128	35F08	41.22	Active	20161129	20181128
2470129	35F08	41.22	Active	20161129	20181128
2470130	35F08	41.22	Active	20161129	20181128
2470131	35F08	41.22	Active	20161129	20181128
2470132	35F08	41.22	Active	20161129	20181128
2470133	35F08	41.22	Active	20161129	20181128
2470134	35F08	41.22	Active	20161129	20181128
2470135	35F08	41.22	Active	20161129	20181128
2470136	35F08	41.22	Active	20161129	20181128
2470137	35F08	41.22	Active	20161129	20181128
2470138	35F08	41.22	Active	20161129	20181128
2470139	35F08	41.22	Active	20161129	20181128
2470140	35F08	41.22	Active	20161129	20181128
2470141	35F08	41.22	Active	20161129	20181128
2470142	35F08	41.22	Active	20161129	20181128
2470143	35F08	41.22	Active	20161129	20181128
2470144	35F08	41.22	Active	20161129	20181128
2470145	35F08	41.22	Active	20161129	20181128
2470146	35F08	41.22	Active	20161129	20181128
2470147	35F08	41.22	Active	20161129	20181128

Appendix 1

List of claims 100 % owned by Orford Mining Corporation (97184)

Title No	NTS #	Surface area (Ha)	Status	Registration Date	Expiration Date
2470148	35F08	41.22	Active	20161129	20181128
2470149	35F08	41.22	Active	20161129	20181128
2470150	35F08	41.22	Active	20161129	20181128
2470151	35F08	41.21	Active	20161129	20181128
2470152	35F08	41.21	Active	20161129	20181128
2470153	35F08	41.21	Active	20161129	20181128
2470154	35F08	41.21	Active	20161129	20181128
2470155	35F08	41.21	Active	20161129	20181128
2470156	35F08	41.21	Active	20161129	20181128
2470157	35F08	41.21	Active	20161129	20181128
2470158	35F08	41.21	Active	20161129	20181128
2470159	35F08	41.21	Active	20161129	20181128
2470160	35F08	41.21	Active	20161129	20181128
2470161	35F08	41.21	Active	20161129	20181128
2470162	35F08	41.21	Active	20161129	20181128
2470163	35F08	41.21	Active	20161129	20181128
2470164	35F08	41.21	Active	20161129	20181128
2470165	35F08	41.21	Active	20161129	20181128
2470166	35F08	41.21	Active	20161129	20181128
2470167	35F08	41.21	Active	20161129	20181128
2470168	35F08	41.21	Active	20161129	20181128
2470169	35F08	41.21	Active	20161129	20181128
2470170	35F08	41.21	Active	20161129	20181128
2470171	35F08	41.21	Active	20161129	20181128
2470172	35F08	41.21	Active	20161129	20181128
2470173	35F08	41.21	Active	20161129	20181128
2470174	35F08	41.21	Active	20161129	20181128
2470175	35F08	41.21	Active	20161129	20181128
2470176	35F08	41.21	Active	20161129	20181128
2470177	35F08	41.21	Active	20161129	20181128
2470178	35F08	41.21	Active	20161129	20181128
2470179	35F08	41.21	Active	20161129	20181128
2470180	35G05	41.24	Active	20161129	20181128
2470181	35G05	41.24	Active	20161129	20181128
2470182	35G05	41.24	Active	20161129	20181128
2470183	35G05	41.24	Active	20161129	20181128
2470184	35G05	41.23	Active	20161129	20181128
2470185	35G05	41.23	Active	20161129	20181128
2470186	35G05	41.23	Active	20161129	20181128
2470187	35G05	41.23	Active	20161129	20181128
2470188	35G05	41.23	Active	20161129	20181128

Appendix 1

List of claims 100 % owned by Orford Mining Corporation (97184)

Title No	NTS #	Surface area (Ha)	Status	Registration Date	Expiration Date
2470189	35G05	41.22	Active	20161129	20181128
2470190	35G05	41.22	Active	20161129	20181128
2470191	35G05	41.22	Active	20161129	20181128
2470192	35G05	41.22	Active	20161129	20181128
2470193	35G05	41.22	Active	20161129	20181128
2470194	35G05	41.21	Active	20161129	20181128
2470195	35G05	41.21	Active	20161129	20181128
2470196	35G05	41.21	Active	20161129	20181128
2470197	35G05	41.21	Active	20161129	20181128
2470198	35G05	41.21	Active	20161129	20181128
2470199	35G05	41.25	Active	20161129	20181128
2470200	35G05	41.25	Active	20161129	20181128
2470201	35G05	41.25	Active	20161129	20181128
2470202	35G05	41.25	Active	20161129	20181128
2470203	35G05	41.25	Active	20161129	20181128
2470204	35G05	41.25	Active	20161129	20181128
2470205	35G05	41.24	Active	20161129	20181128
2470206	35G05	41.24	Active	20161129	20181128
2470207	35G05	41.24	Active	20161129	20181128
2470208	35G05	41.24	Active	20161129	20181128
2470209	35G05	41.24	Active	20161129	20181128
2470210	35G05	41.24	Active	20161129	20181128
2470211	35G05	41.24	Active	20161129	20181128
2470212	35G05	41.24	Active	20161129	20181128
2470213	35G05	41.23	Active	20161129	20181128
2470214	35G05	41.23	Active	20161129	20181128
2470215	35G05	41.23	Active	20161129	20181128
2470216	35G05	41.23	Active	20161129	20181128
2470217	35G05	41.23	Active	20161129	20181128
2470218	35G05	41.23	Active	20161129	20181128
2470219	35G05	41.23	Active	20161129	20181128
2470220	35G05	41.22	Active	20161129	20181128
2470221	35F08	41.22	Active	20161129	20181128
2470222	35F08	41.22	Active	20161129	20181128
2470223	35F08	41.22	Active	20161129	20181128
2470224	35F08	41.22	Active	20161129	20181128
2470225	35F08	41.20	Active	20161129	20181128
2470226	35F08	41.20	Active	20161129	20181128
2470227	35F08	41.20	Active	20161129	20181128
2470228	35F08	41.20	Active	20161129	20181128
2470229	35F08	41.20	Active	20161129	20181128

Appendix 1

List of claims 100 % owned by Orford Mining Corporation (97184)

Title No	NTS #	Surface area (Ha)	Status	Registration Date	Expiration Date
2472405	35F08	39.31	Active	20170110	20190109
2472406	35F08	35.79	Active	20170110	20190109
2472407	35F09	41.01	Active	20170110	20190109
2472408	35F09	36.58	Active	20170110	20190109
2472409	35F09	40.91	Active	20170110	20190109
2472410	35F09	37.27	Active	20170110	20190109
2472411	35F09	33.80	Active	20170110	20190109
2472412	35F09	33.08	Active	20170110	20190109
2472413	35F09	31.43	Active	20170110	20190109
2472414	35F09	35.56	Active	20170110	20190109
2472415	35F09	20.45	Active	20170110	20190109
2472416	35F09	38.53	Active	20170110	20190109
2472417	35F09	0.26	Active	20170110	20190109
2472418	35F09	32.57	Active	20170110	20190109
2472419	35F09	41.13	Active	20170110	20190109
2472420	35F09	29.97	Active	20170110	20190109
2472421	35F09	15.47	Active	20170110	20190109
2472422	35F09	0.17	Active	20170110	20190109

Appendix 2

List of claims 100 % owned by Ressources Tectonic inc. (Les) (19837)

Title No	NTS #	Surface area (Ha)	Status	Registration Date	Expiration Date
2334831	35G11	41.11	Active	20120307	20200306
2334832	35G11	41.11	Active	20120307	20200306
2334833	35G11	41.11	Active	20120307	20200306
2334834	35G11	41.11	Active	20120307	20200306
2334835	35G11	41.11	Active	20120307	20200306
2334836	35G11	41.11	Active	20120307	20200306
2334837	35G11	41.11	Active	20120307	20200306
2334838	35G11	41.11	Active	20120307	20200306
2334839	35G11	41.11	Active	20120307	20200306
2334840	35G11	41.11	Active	20120307	20200306
2334841	35G11	41.1	Active	20120307	20200306
2334842	35G11	41.1	Active	20120307	20200306
2334843	35G11	41.1	Active	20120307	20200306
2334844	35G11	41.1	Active	20120307	20200306
2334845	35G11	41.1	Active	20120307	20200306
2334846	35G11	41.1	Active	20120307	20200306
2334847	35G11	41.1	Active	20120307	20200306
2334848	35G11	41.1	Active	20120307	20200306
2334849	35G11	41.1	Active	20120307	20200306
2334850	35G11	41.1	Active	20120307	20200306
2334851	35G11	41.1	Active	20120307	20200306
2334852	35G11	41.1	Active	20120307	20200306
2334853	35G11	41.1	Active	20120307	20200306
2334854	35G11	41.09	Active	20120307	20200306
2334855	35G11	41.09	Active	20120307	20200306
2334856	35G11	41.09	Active	20120307	20200306
2334857	35G11	41.09	Active	20120307	20200306
2334858	35G11	41.09	Active	20120307	20200306
2334859	35G11	41.09	Active	20120307	20200306
2334860	35G11	41.09	Active	20120307	20200306
2334861	35G11	41.09	Active	20120307	20200306
2334862	35G11	41.09	Active	20120307	20200306
2334863	35G11	41.09	Active	20120307	20200306
2334864	35G11	41.09	Active	20120307	20200306
2334865	35G11	41.09	Active	20120307	20200306
2334866	35G11	41.09	Active	20120307	20200306
2334867	35G11	41.08	Active	20120307	20200306
2334868	35G11	41.08	Active	20120307	20200306
2334869	35G11	41.08	Active	20120307	20200306
2334870	35G11	41.08	Active	20120307	20200306
2334871	35G11	41.08	Active	20120307	20200306

Appendix 2

List of claims 100 % owned by Ressources Tectonic inc. (Les) (19837)

Title No	NTS #	Surface area (Ha)	Status	Registration Date	Expiration Date
2334872	35G11	41.08	Active	20120307	20200306
2334873	35G11	41.08	Active	20120307	20200306
2334874	35G11	41.08	Active	20120307	20200306
2334875	35G11	41.08	Active	20120307	20200306
2334876	35G11	41.08	Active	20120307	20200306
2334877	35G11	41.08	Active	20120307	20200306
2334878	35G11	41.06	Active	20120307	20200306
2334879	35G11	41.06	Active	20120307	20200306
2334880	35G11	41.06	Active	20120307	20200306
2363815	35G11	41.08	Active	20120919	20180918
2363816	35G11	41.08	Active	20120919	20180918
2363817	35G11	41.06	Active	20120919	20180918
2363818	35G11	41.06	Active	20120919	20180918
2363819	35G11	41.06	Active	20120919	20180918
2363820	35G11	41.06	Active	20120919	20180918
2363846	35G11	41.12	Active	20120919	20180918
2363847	35G11	41.12	Active	20120919	20180918
2363848	35G11	41.12	Active	20120919	20180918
2363849	35G11	41.12	Active	20120919	20180918
2363850	35G11	41.12	Active	20120919	20180918
2363851	35G11	41.12	Active	20120919	20180918
2363863	35G11	41.11	Active	20120919	20180918
2363864	35G11	41.11	Active	20120919	20180918
2363865	35G11	41.11	Active	20120919	20180918
2363866	35G11	41.11	Active	20120919	20180918
2363867	35G11	41.11	Active	20120919	20180918
2363868	35G11	41.11	Active	20120919	20180918
2363869	35G11	41.11	Active	20120919	20180918
2363870	35G11	41.11	Active	20120919	20180918
2363871	35G11	41.11	Active	20120919	20180918
2363883	35G11	41.1	Active	20120919	20180918
2363884	35G11	41.1	Active	20120919	20180918
2363885	35G11	41.1	Active	20120919	20180918
2363886	35G11	41.1	Active	20120919	20180918
2363887	35G11	41.1	Active	20120919	20180918
2363888	35G11	41.1	Active	20120919	20180918
2363889	35G11	41.1	Active	20120919	20180918
2363890	35G11	41.1	Active	20120919	20180918
2363891	35G11	41.1	Active	20120919	20180918
2408511	35G11	41.12	Active	20140728	20180727
2408512	35G11	41.12	Active	20140728	20180727

Appendix 2

List of claims 100 % owned by Ressources Tectonic inc. (Les) (19837)

Title No	NTS #	Surface area (Ha)	Status	Registration Date	Expiration Date
2408513	35G11	41.12	Active	20140728	20180727
2408514	35G11	41.12	Active	20140728	20180727
2408515	35G11	41.12	Active	20140728	20180727
2408516	35G11	41.12	Active	20140728	20180727
2408517	35G11	41.12	Active	20140728	20180727
2430463	35G11	41.1	Active	20150709	20190708
2431743	35G11	41.1	Active	20150731	20190730
2431744	35G11	41.1	Active	20150731	20190730
2431745	35G11	41.1	Active	20150731	20190730
2431746	35G11	41.1	Active	20150731	20190730
2431747	35G11	41.1	Active	20150731	20190730

Appendix 3

List of claims 100 % owned by Wayne Holmstead (86462)

Title No	NTS #	Surface area (Ha)	Status	Registration Date	Expiration Date
2429154	35G11	41.09	Active	20150615	20190614
2429155	35G11	41.09	Active	20150615	20190614
2429156	35G11	41.09	Active	20150615	20190614
2429157	35G11	41.09	Active	20150615	20190614
2429158	35G11	41.09	Active	20150615	20190614

Orford Mining

Drill Log Report

Hole Number: 17-QK-007 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Project

Project Number: Qiqavik Drilling
Date Started: juil. 21, 2017
Date Completed: juil. 24, 2017
Drilling Contractor: Forage G4
Survey Contractor:
Date Logged: juil. 24, 2017

Drilling

Making Water: N **OIH Comments:**
Gas Intersected: N
Is Hole Plugged: N
Object in Hole: N **Material LIH:**
Is Cemented: N
Is Hole Blocked:
Verified: N

Collar

NTS: 35G12 **Collar Dip:** -45.00
UTM Zone: UTM83-18 **Collar Azi:** 199.70
Lot: **Length:** 141.00
Township:
Range / Concession:
Claim Number: 2442192 **Core Size:** NQ
Collar Survey Type: DGPS and APS **Casing Status:** Left In Hole

Coordinates

UTM Coordinates
North: 6,825,884.25
East: 467,007.52
Elev: 411.38

GÉOLOGUE ROBERT CLOUTIER # 1233 QUÉBEC

Logged By

Geologist 1: Brian Belisle, Géo
Geologist 2: Arnaud Fontaine, Géo
Geologist 3:
Geologist 4:

Detailed Lithology

From	To	Lithology	Oxidation	Texture	Grain Size	Tone	Colour
0.00	6.50	**OB, Overburden**					
6.50	12.54	**V3B, Basalt** Basalt with top flow alteration. metasomatized by carbonated and sulphidic fluids.	Not Oxidized	Flow banded	Very Fine Grained	Dark	Grey
12.54	14.10	**M15, Metasomatic Rock** Metasomatic interval. basalt protolyte. carbonated fluids. phyrrotite on both ends.	Not Oxidized	Flow banded	Very Fine Grained	Dark	grey-green
14.10	25.06	**V3B, Basalt** Basalt with top flow alteration. metasomatized by carbonated and sulphidic fluids. 5% sphalerite between (21.8-22.47)	Not Oxidized	Flow banded	Very Fine Grained	Dark	Grey
25.06	25.38	**I2, Intrusive Intermediate Rocks** disseminated sulphide					

Mineralization

From	To	Type	Style	%	Comments
21.86	22.50	Sphalerite	Stringer	5.00	sphalerite stringers
39.78	123.00	Sphalerite	Disseminated	0.20	
39.78	123.00	Pyrite	Disseminated	0.30	
39.78	123.00	Sulphides	Fracture/vein controlled	0.40	pyrite; phyrrotite; sphalerite and arsenopyrite in quartz vein.
85.00	87.00	Arsenopyrite	Disseminated	0.10	disseminated arsenopyrite

Alteration

From	To	Style	Type	Intensity
6.00	25.06	Fracture/vein controlled	Carbonatization	Moderate
27.53	141.00	Fracture/vein controlled	Carbonatization	Moderate
38.78	128.48	Pervasive	Chloritization	Moderate
69.13	128.48	Pervasive	Bleached/Bleaching	Moderate

Detailed Lithology

From	To	Lithology				
		Not Oxidized	Massive	Medium Grained	Medium	Grey
25.38	25.48	**V3B, Basalt** Basalt with top flow alteration. metasomatized by carbonated and sulphidic fluids.				
		Oxidation	**Texture**	**Grain Size**	**Tone**	**Colour**
		Not Oxidized	Flow banded	Very Fine Grained	Dark	Grey
25.48	25.76	**I2, Intrusive Intermediate Rocks** disseminated sulphides				
		Oxidation	**Texture**	**Grain Size**	**Tone**	**Colour**
		Not Oxidized	Massive	Medium Grained	Light	Grey
25.76	26.05	**V3B, Basalt** Basalt with top flow alteration. metasomatized by carbonated and sulphidic fluids.				
		Oxidation	**Texture**	**Grain Size**	**Tone**	**Colour**
		Not Oxidized	Flow banded	Very Fine Grained	Dark	Grey
26.05	27.46	**I2, Intrusive Intermediate Rocks** disseminated sulphides				
		Oxidation	**Texture**	**Grain Size**	**Tone**	**Colour**
		Not Oxidized	Massive	Medium Grained	Dark	Grey
27.46	39.78	**V3B, Basalt** Basalt with top flow alteration. metasomatized by carbonated and sulphidic fluids.				
		Oxidation	**Texture**	**Grain Size**	**Tone**	**Colour**
		Not Oxidized	Flow breccia	Very Fine Grained	Dark	Grey
39.78	43.80	**I1C, Granodiorite** not sharp contact with basalt. some quartz and carbonates veins. disseminated sulphides mainly pyrite; phyrrotite; trace arsenopyrite.				
		Oxidation	**Texture**	**Grain Size**	**Tone**	**Colour**
		Not Oxidized	Medium grained	Medium Grained	Medium	grey-green
43.80	53.89	**I1C, Granodiorite**				

Hole Number: 17-QK-007 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Detailed Lithology

From	To	Lithology
		some quartz and carbonates veins. foliation aroud 65/90 disseminated sulphides mainly pyrite; phyrrotite; trace arsenopyrite. **Oxidation:** Not Oxidized **Texture:** Foliated **Grain Size:** Medium Grained **Tone:** Medium **Colour:** grey-green
53.89	69.10	**I1C, Granodiorite** some quartz and carbonates veins disseminated sulphides mainly pyrite,; phyrrotite; trace arsenopyrite. **Oxidation:** Not Oxidized **Texture:** Medium grained **Grain Size:** Medium Grained **Tone:** Medium **Colour:** grey-green
69.10	128.50	**I1C, Granodiorite** some quartz and carbonates veins foliation aroud 45/320 disseminated sulphides mainly pyrite; phyrrotite; trace arsenopyrite. **Oxidation:** Not Oxidized **Texture:** Foliated **Grain Size:** Medium Grained **Tone:** Medium **Colour:** grey-green
128.50	129.93	**I1C, Granodiorite** seems like brecciated granodiorite at the contact between the fault and the basalt. **Oxidation:** Not Oxidized **Texture:** Brecciated **Grain Size:** Medium Grained **Tone:** Medium **Colour:** grey-green
129.93	141.00	**V3B, Basalt** strongly foliated basalt (shear?) **Oxidation:** Not Oxidized **Texture:** Foliated **Grain Size:** Very Fine Grained **Tone:** Dark **Colour:** Grey

Sampling

From	To	Sample Number	Sample Type	Au (gpt)	Ag (gpt)	Cu (%)	Zn (%)	Pb (%)	Mg (%)	Fe (%)	Ca (%)
7.00	8.00	402251	ASSAY								
8.00	9.00	402252	ASSAY								
9.00	10.00	402253	ASSAY								
10.00	11.00	402254	ASSAY								
11.00	12.00	402255	ASSAY								

Hole Number: 17-QK-007 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Sampling

From	To	Sample Number	Sample Type	Au (gpt)	Ag (gpt)	Cu (%)	Zn (%)	Pb (%)	Mg (%)	Fe (%)	Ca (%)
12.00	12.55	402256	ASSAY								
12.55	13.22	402257	ASSAY								
13.22	14.11	402258	ASSAY								
14.11	15.00	402259	ASSAY								
15.00	16.00	402261	ASSAY								
16.00	17.00	402262	ASSAY								
17.00	18.00	402263	ASSAY								
18.00	19.00	402264	ASSAY								
19.00	20.00	402265	ASSAY								
20.00	21.00	402266	ASSAY								
21.00	21.79	402267	ASSAY								
21.79	22.30	402268	ASSAY								
22.30	24.00	402269	ASSAY								
24.00	25.00	402271	ASSAY								
25.00	26.05	402272	ASSAY								
26.05	27.46	402273	ASSAY								
27.46	28.21	402274	ASSAY								
28.21	29.00	402275	ASSAY								
29.00	30.00	402276	ASSAY								
30.00	31.00	402277	ASSAY								
31.00	32.00	402278	ASSAY								
32.00	33.00	402279	ASSAY								
32.00	33.00	402280	DUP								
33.00	34.00	402281	ASSAY								
34.00	35.00	402282	ASSAY								
35.00	36.00	402283	ASSAY								
36.00	37.00	402284	ASSAY								
37.00	38.00	402286	ASSAY								
38.00	39.00	402287	ASSAY								

Hole Number: 17-QK-007 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Sampling

From	To	Sample Number	Sample Type	Au (gpt)	Ag (gpt)	Cu (%)	Zn (%)	Pb (%)	Mg (%)	Fe (%)	Ca (%)
39.00	39.78	402289	ASSAY								
39.78	41.00	402291	ASSAY								
41.00	42.00	402292	ASSAY								
42.00	43.00	402293	ASSAY								
43.00	44.00	402294	ASSAY								
44.00	44.74	402295	ASSAY								
44.74	45.08	402288	ASSAY								
45.08	46.00	402296	ASSAY								
46.00	47.00	402297	ASSAY								
47.00	48.00	402298	ASSAY								
48.00	49.00	402299	ASSAY								
49.00	50.28	402301	ASSAY								
50.28	50.68	402302	ASSAY								
50.68	51.23	402303	ASSAY								
51.23	52.25	402304	ASSAY								
52.25	53.00	402305	ASSAY								
53.00	54.00	402306	ASSAY								
54.00	55.00	402307	ASSAY								
55.00	56.00	402308	ASSAY								
56.00	57.00	402309	ASSAY								
56.00	57.00	402310	DUP								
57.00	58.00	402311	ASSAY								
58.00	59.00	402312	ASSAY								
59.00	60.00	402313	ASSAY								
60.00	61.00	402314	ASSAY								
61.00	62.00	402315	ASSAY								
62.00	63.00	402316	ASSAY								
63.00	64.00	402317	ASSAY								
64.00	65.00	402318	ASSAY								

Hole Number: 17-QK-007 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Sampling

From	To	Sample Number	Sample Type	Au (gpt)	Ag (gpt)	Cu (%)	Zn (%)	Pb (%)	Mg (%)	Fe (%)	Ca (%)
65.00	66.00	402319	ASSAY								
66.00	67.41	402321	ASSAY								
67.41	68.20	402322	ASSAY								
68.20	69.13	402323	ASSAY								
69.13	70.29	402324	ASSAY								
70.29	71.31	402325	ASSAY								
71.31	72.00	402326	ASSAY								
72.00	73.00	402327	ASSAY								
73.00	74.00	402328	ASSAY								
74.00	75.00	402329	ASSAY								
75.00	76.00	402331	ASSAY								
76.00	77.00	402332	ASSAY								
77.00	78.00	402333	ASSAY								
78.00	78.74	402334	ASSAY								
78.74	79.34	402335	ASSAY								
79.34	80.00	402336	ASSAY								
80.00	81.50	402337	ASSAY								
81.50	82.22	402338	ASSAY								
82.22	82.57	402339	ASSAY								
82.22	82.57	402340	DUP								
82.57	83.58	402341	ASSAY								
83.58	84.00	402342	ASSAY								
84.00	84.44	402343	ASSAY								
84.44	85.00	402344	ASSAY								
85.00	86.00	402345	ASSAY								
86.00	86.75	402285	ASSAY								
86.75	87.53	402346	ASSAY								
87.53	88.68	402347	ASSAY								
88.68	90.00	402348	ASSAY								

Hole Number: 17-QK-007 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Sampling

From	To	Sample Number	Sample Type	Au (gpt)	Ag (gpt)	Cu (%)	Zn (%)	Pb (%)	Mg (%)	Fe (%)	Ca (%)
90.00	91.00	402349	ASSAY								
91.00	91.75	402351	ASSAY								
91.75	92.27	402352	ASSAY								
92.27	93.00	402353	ASSAY								
93.00	94.00	402354	ASSAY								
94.00	95.00	402355	ASSAY								
95.00	96.21	402356	ASSAY								
96.21	97.10	402357	ASSAY								
97.10	98.00	402358	ASSAY								
98.00	99.00	402359	ASSAY								
99.00	100.00	402361	ASSAY								
100.00	101.00	402362	ASSAY								
101.00	102.00	402363	ASSAY								
102.00	102.53	402364	ASSAY								
102.53	103.47	402365	ASSAY								
103.47	104.00	402366	ASSAY								
104.00	105.00	402367	ASSAY								
105.00	106.25	402368	ASSAY								
106.25	107.00	402369	ASSAY								
106.25	107.00	402370	DUP								
107.00	108.00	402371	ASSAY								
108.00	109.00	402372	ASSAY								
109.00	110.00	402373	ASSAY								
110.00	111.00	402374	ASSAY								
111.00	112.46	402375	ASSAY								
112.46	113.39	402376	ASSAY								
113.39	114.32	402377	ASSAY								
114.32	115.45	402378	ASSAY								
115.45	116.68	402379	ASSAY								

Hole Number: 17-QK-007 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Sampling

From	To	Sample Number	Sample Type	Au (gpt)	Ag (gpt)	Cu (%)	Zn (%)	Pb (%)	Mg (%)	Fe (%)	Ca (%)
116.68	117.53	402381	ASSAY								
117.53	118.44	402382	ASSAY								
118.44	119.69	402383	ASSAY								
119.69	120.24	402384	ASSAY								
120.24	120.83	402385	ASSAY								
120.83	122.00	402386	ASSAY								
122.00	123.00	402387	ASSAY								
123.00	124.00	402388	ASSAY								
124.00	125.00	402389	ASSAY								
125.00	126.00	402391	ASSAY								
126.00	127.00	402392	ASSAY								
127.00	128.00	402393	ASSAY								
128.00	128.50	402394	ASSAY								
128.50	129.00	402395	ASSAY								
129.00	129.93	402396	ASSAY								
129.93	130.40	402397	ASSAY								
130.40	131.00	402398	ASSAY								
131.00	132.00	402399	ASSAY								
131.00	132.00	402400	DUP								
132.00	133.00	402401	ASSAY								
133.00	133.75	402402	ASSAY								
133.75	134.06	402403	ASSAY								
134.06	135.00	402404	ASSAY								
135.00	135.30	402405	ASSAY								
135.30	136.00	402406	ASSAY								
136.00	137.00	402407	ASSAY								
137.00	138.00	402408	ASSAY								
138.00	139.00	402409	ASSAY								
139.00	140.00	402411	ASSAY								

Hole Number: 17-QK-007 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Sampling

From	To	Sample Number	Sample Type	Au (gpt)	Ag (gpt)	Cu (%)	Zn (%)	Pb (%)	Mg (%)	Fe (%)	Ca (%)
140.00	141.00	402412	ASSAY								

Geotechnical

From	To	Interval	Recovery	Recovery %	RQD	RQD %	Comments
6.00	9.00	3.00	3.00	100.00	1.51	50.33	N=001<
9.00	12.00	3.00	3.11	103.67	2.40	80.00	14<111<
12.00	15.00	3.00	3.01	100.33	2.29	76.33	M>11.1<
15.00	18.00	3.00	3.00	100.00	2.53	84.33	N=001<
18.00	21.00	3.00	3.15	105.00	2.47	82.33	M<111<
21.00	24.00	3.00	2.49	83.00	1.83	61.00	M>110=
24.00	27.00	3.00	3.22	107.33	1.90	63.33	N=001<M
27.00	30.00	3.00	3.14	104.67	2.10	70.00	<111<M
30.00	33.00	3.00	3.04	101.33	2.51	83.67	<111<
33.00	36.00	3.00	3.07	102.33	1.81	60.33	N=000<M
36.00	39.00	3.00	2.91	97.00	2.09	69.67	<111<
39.00	42.00	3.00	2.96	98.67	2.61	87.00	0<111<
42.00	45.00	3.00	3.05	101.67	1.98	66.00	M>111.<
45.00	48.00	3.00	2.85	95.00	1.10	36.67	N=001<
48.00	51.00	3.00	2.94	98.00	1.79	59.67	M>100=
51.00	54.00	3.00	3.10	103.33	2.54	84.67	N=111<
54.00	57.00	3.00	2.96	98.67	1.93	64.33	M>001<
57.00	60.00	3.00	3.00	100.00	2.24	74.67	M>1.11<
60.00	63.00	3.00	3.15	105.00	2.40	80.00	M>011<
63.00	66.00	3.00	2.87	95.67	2.18	72.67	M>1.11<
66.00	69.00	3.00	3.12	104.00	2.67	89.00	-26<111<
69.00	72.00	3.00	3.10	103.33	1.63	54.33	M>100=
72.00	75.00	3.00	2.96	98.67	2.33	77.67	N=011<
75.00	78.00	3.00	2.99	99.67	2.83	94.33	-160<111<
78.00	81.00	3.00	3.06	102.00	2.43	81.00	170<111<

Hole Number: 17-QK-007 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Geotechnical

From	To	Interval	Recovery	Recovery %	RQD	RQD %	Comments
81.00	84.00	3.00	2.76	92.00	1.86	62.00	M>100=
84.00	87.00	3.00	3.15	105.00	2.76	92.00	N=011<
87.00	90.00	3.00	3.11	103.67	2.60	86.67	M>1.11<
90.00	93.00	3.00	3.00	100.00	2.51	83.67	M>11.1<
93.00	96.00	3.00	3.05	101.67	2.80	93.33	M>.111<
96.00	99.00	3.00	2.96	98.67	2.09	69.67	-120<111<
99.00	102.00	3.00	3.04	101.33	2.40	80.00	0<111<
102.00	105.00	3.00	3.00	100.00	2.66	88.67	M>000=
105.00	108.00	3.00	2.90	96.67	2.21	73.67	N=111<
108.00	111.00	3.00	3.13	104.33	2.76	92.00	N=111<
111.00	114.00	3.00	3.00	100.00	2.29	76.33	M>101<
114.00	117.00	3.00	3.05	101.67	2.68	89.33	M>111=
117.00	120.00	3.00	2.90	96.67	2.25	75.00	N=000=
120.00	123.00	3.00	3.00	100.00	1.80	60.00	N=001<
123.00	126.00	3.00	3.05	101.67	1.90	63.33	M>001<
126.00	129.00	3.00	3.00	100.00	1.44	48.00	M>100=
129.00	132.00	3.00	2.90	96.67	0.90	30.00	N=000<M
132.00	135.00	3.00	3.08	102.67	1.91	63.67	<111<
135.00	138.00	3.00	2.90	96.67	2.30	76.67	M>.111<
138.00	141.00	3.00	3.05	101.67	2.24	74.67	M>11.1<

Structure

From	To	Structure	Alpha	Beta	Fill Material 1	Fill Material 2	Comments
12.54	14.10	Bedding	70.00				Bedding with pyrrhotite
43.80	53.89	Foliation	65.00	90.00			Foliation with tension quartz vein
44.74	45.08	Shearing	60.00	120.00			shear zone. quartz vn at contact
50.28	50.68	Shearing	55.00				shear zone with quartz-py
60.55	60.90	Foliation	65.00	85.00			foliated zone with (QZVN 2)
81.50	82.22	Dyke					dyke with qz vn py and sp at contact 88.22

Hole Number: 17-QK-007 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Structure

From	To	Structure	Alpha	Beta	Fill Material 1	Fill Material 2	Comments
87.53	88.68	Shearing	70.00	20.00			shear zone. little qz vn
91.75	92.27	Shearing	60.00				Shear zone with (QZVN 1)
120.51	120.71	Shearing	65.00				little shear zone with qz and py
128.50	130.40	Fault					fault zone
128.50	128.65	Gouge (fault)					gault gouge
129.93	130.40	Quartz vein					qz vn at contact with basalt
133.75	134.06	Fold					folded basalt

Point Structure

At	Structure	Alpha	Beta	Core Azi	Core Dip	Calculated Dip	Calculated Strike	Apparent Dip	Dip Direction	Gamma	Joint Fill 1	Fill Material 1	Joint Fill 2	Fill Material 2	Comments
40.21	Quartz vein	60	80	199.70	-45.00	-56.57	325.86	0	55.86		hard>5mm	quartz			6 cm quartz vein at contact between basalt and granodiorite. pyrite
44.81	Quartz vein	75	150	199.70	-45.00	-32.70	303.56	0	33.56		hard>5mm	quartz			1 cm qv
44.91	Shearing	60	120	199.70	-45.00	-37.89	334.53	0	64.53						Measurement of Struture Table
48.85	Foliation	65	90	199.70	-45.00	-50.14	323.10	0	53.10						Measurement of Struture Table
50.87	Calcite vein	15									hard>5mm	calcite			calcite vein perpendicular to foliation.
51.43	Quartz vein	67	80	199.70	-45.00	-52.92	318.54	0	48.54		hard>5mm	quartz			Quartz vein parallel to foliation and tension veins seems same composition and same event
54.80	Quartz vein	60									hard>5mm	quartz			< 1 cm qv sphalerite in the vein
55.82	Quartz vein	90									hard>5mm	quartz			2 cm Quartz vein with pyrite (QZVN 2)
60.73	Foliation	65	85	199.70	-45.00	-52.06	321.96	0	51.96						Measurement of Struture Table
60.74	Quartz vein	72	80	199.70	-45.00	-50.61	312.89	0	42.89		hard>5mm	quartz			2 cm banded Quartz vein with py; sp (QZVN 2)
64.50	Quartz vein	45													8 cm qz vn; dark grey with black spots (QZVN 1)
68.10	Quartz vein	65	70	199.70	-45.00	-57.41	317.82	0	47.82		hard>5mm	quartz			3 cm banded quartz vein with pyrite and sphalerite (QZVN 2)
69.25	Quartz vein	85	100	199.70	-45.00	-44.35	296.75	0	26.75		hard>5mm	quartz			6 cm Quartz vein with pyrite and trace sphalerite (QZVN 2)

Hole Number: 17-QK-007 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Point Structure

At	Structure	Alpha	Beta	Core Azi	Core Dip	Calculated Dip	Calculated Strike	Apparent Dip	Dip Direction	Gamma	Joint Fill 1	Fill Material 1	Joint Fill 2	Fill Material 2	Comments
70.09	Quartz vein	85	350	199.70	-45.00	-49.93	288.57	0	18.57		hard>5mm	quartz			7 cm greyish quartz vein (QZVN 1)
70.27	Quartz vein	75													3 cm qv; pyrite (QZVN 1)
71.23	Quartz vein	55													16 cm milky white qz vn. no min (QZVN 3)
73.15	Quartz vein	72													2 cm qz vn white with little blakc dots (QZVN 4)
80.78	Quartz vein	85	60	199.70	-45.00	-47.65	295.56	0	25.56						2 cm qz vn whit banded pyrite (QZVN 2)
82.16	Quartz vein	85													10 cm qz vn with py; sp (QZVN 2)
84.09	Quartz vein	30													7 cm qz vn with banded py; sp (QZVN 2)
85.71	Quartz vein	75	30	199.70	-45.00	-58.36	298.44	0	28.44						8 cm dark grey qz vn with black spots. (QZVN 1)
88.11	Shearing	70	20	199.70	-45.00	-64.07	297.17	0	27.17						Measurement of Struture Table
97.70	Quartz vein	55	90	199.70	-45.00	-54.60	334.42	0	64.42						4 cm (QZVN 1)
113.13	Quartz vein	70	40	199.70	-45.00	-61.37	304.21	0	34.21						4 cm qz vn (QZVN 1)
113.50	Quartz vein	40													2 cm qz vn with py (QZVN 2)
117.19	Quartz vein	75													6 cm milky white qz vn (QZVN 3)
119.80	Quartz vein	80													3 cm qz vn white. no min
120.98	Quartz vein	65													2 cm qz vn with bedded py (QZVN 2)
121.58	Quartz vein	55													2 cm qz vn wth bedded pyrite (QZVN 2)
122.80	Quartz vein	65													1 cm qz vn wth py (QZVN 2)
133.75	Lineation	63	0	199.70	-45.00	-72.00	289.70	0	19.70	95					
135.80	Quartz vein														14 cm milky white qz vn little py

Orford Mining

Drill Log Report

Hole Number: QK-17-008 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Project

Project Number: Qiqavik Drilling
Date Started: juil. 24, 2017
Date Completed: juil. 26, 2017
Drilling Contractor: Forage G4
Survey Contractor:
Date Logged: juil. 26, 2017

Drilling

Making Water: N **OIH Comments:**
Gas Intersected: N
Is Hole Plugged: N
Object in Hole: N **Material LIH:**
Is Cemented: N
Is Hole Blocked:
Verified: N

Collar

NTS: 35G12 **Collar Dip:** -44.00
UTM Zone: UTM83-18 **Collar Azi:** 199.30
Lot: **Length:** 108.53
Township:
Range / Concession:
Claim Number: 2442177 **Core Size:** NQ
Collar Survey Type: DGPS and APS **Casing Status:** Left In Hole

Coordinates

UTM Coordinates
North: 6,831,940.64
East: 457,811.76
Elev: 300.87

Logged By

Geologist 1: Brian Belisle, Géo
Geologist 2: Arnaud Fontaine, Géo
Geologist 3:
Geologist 4:

GÉOLOGUE ROBERT CLOUTIER # 1233 QUÉBEC

Detailed Lithology

From	To	Lithology	Oxidation	Texture	Grain Size	Tone	Colour
0.00	5.40	**OB, Overburden**					
5.40	24.44	**V3B, Basalt** lightly foliated basalt with suphides stringers.	Not Oxidized	Foliated	Very Fine Grained	Dark	grey-green
24.44	26.75	**I4B, Pyroxenite** oïkocrystic olivines; actinolite alteration; biotite alteration on both sides	Not Oxidized	Massive	Medium Grained	Dark	black
26.75	33.19	**V3B, Basalt** lightly foliated basalt with suphides stringers.	Not Oxidized	Foliated	Very Fine Grained	Dark	grey-green
33.19	36.86	**V3B, Basalt**	Not Oxidized	Plagioclase phyric	Medium Grained	Dark	Grey

Mineralization

From	To	Type	Style	%	Comments
14.10	17.15	Sulphides	Stringer	0.50	stringers of pyrrhotite with traces of chalcopyrite. In general sub-parallel to the very weak foliation at 80 dca and associated with pervasive green chlorite
17.15	24.40	Arsenopyrite	Stringer	3.00	Very irregular stringers that are not in foliation and associated with pervasive green chlorite overprinting foliation

Alteration

From	To	Style	Type	Intensity
5.40	108.53	Fracture/vein controlled	Carbonatization	Weak
14.30	24.50	Disseminated	Actinolite	Weak
23.33	25.50	Pervasive	Biotite	Moderate
81.54	87.82	Along Foliation	Biotite	Strong

Hole Number: QK-17-008 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Detailed Lithology

From	To	Lithology	Oxidation	Texture	Grain Size	Tone	Colour
36.86	39.00	**ShrZ, Shear Zone**	Not Oxidized				
39.00	108.53	**V3B, Basalt** alterning between phyrique plagioclase basalt to foliated basalt. Hydrothermal fluid at 85.2-86.4m with biotite alteration on both sides.	Not Oxidized	Plagioclase phyric	Medium Grained	Dark	Grey

Sampling

From	To	Sample Number	Sample Type	Au (gpt)	Ag (gpt)	Cu (%)	Zn (%)	Pb (%)	Mg (%)	Fe (%)	Ca (%)
5.60	7.00	402413	ASSAY								
7.00	8.00	402414	ASSAY								
8.00	9.00	402415	ASSAY								
9.00	10.00	402416	ASSAY								
10.00	11.00	402417	ASSAY								
11.00	12.00	402418	ASSAY								
12.00	13.00	402419	ASSAY								
13.00	14.30	402421	ASSAY								
14.30	14.75	402422	ASSAY								
14.75	16.00	402423	ASSAY								
16.00	17.00	402424	ASSAY								
17.00	17.50	402425	ASSAY								
17.50	18.00	402426	ASSAY								
18.00	19.00	402427	ASSAY								
19.00	20.00	402428	ASSAY								
20.00	21.00	402429	ASSAY								
20.00	21.00	402430	DUP								

Hole Number: QK-17-008 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Sampling

From	To	Sample Number	Sample Type	Au (gpt)	Ag (gpt)	Cu (%)	Zn (%)	Pb (%)	Mg (%)	Fe (%)	Ca (%)
21.00	22.19	402431	ASSAY								
22.19	22.49	402432	ASSAY								
22.49	23.00	402433	ASSAY								
23.00	23.33	402434	ASSAY								
23.33	24.00	402435	ASSAY								
24.00	25.00	402436	ASSAY								
25.00	26.00	402437	ASSAY								
26.00	27.00	402438	ASSAY								
27.00	28.00	402439	ASSAY								
28.00	29.00	402441	ASSAY								
29.00	30.00	402442	ASSAY								
30.00	31.00	402443	ASSAY								
31.00	32.00	402444	ASSAY								
32.00	33.18	402445	ASSAY								
33.18	34.00	402446	ASSAY								
34.00	35.00	402447	ASSAY								
35.00	36.00	402448	ASSAY								
36.00	36.89	402449	ASSAY								
36.89	37.52	402451	ASSAY								
37.52	38.00	402452	ASSAY								
38.00	38.52	402453	ASSAY								
38.52	39.00	402454	ASSAY								
39.00	40.00	402455	ASSAY								
55.95	57.10	402456	ASSAY								
61.00	62.00	402457	ASSAY								
69.00	70.00	402458	ASSAY								
79.00	79.42	402459	ASSAY								
79.00	79.42	402460	DUP								
82.00	83.00	402461	ASSAY								

Hole Number: QK-17-008 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Sampling

From	To	Sample Number	Sample Type	Au (gpt)	Ag (gpt)	Cu (%)	Zn (%)	Pb (%)	Mg (%)	Fe (%)	Ca (%)
85.00	86.00	402462	ASSAY								
89.55	90.00	402463	ASSAY								
94.29	94.64	402464	ASSAY								
99.50	100.85	402465	ASSAY								
106.78	107.23	402466	ASSAY								

Geotechnical

From	To	Interval	Recovery	Recovery %	RQD	RQD %	Comments
6.00	9.00	3.00	2.80	93.33	2.00	66.67	=011<M
9.00	12.00	3.00	2.97	99.00	2.16	72.00	<111<M
12.00	15.00	3.00	2.97	99.00	2.31	77.00	<111<
15.00	18.00	3.00	3.03	101.00	2.50	83.33	140<111<
18.00	21.00	3.00	3.00	100.00	2.66	88.67	M>1.11<
21.00	24.00	3.00	3.05	101.67	2.69	89.67	-160<111<
24.00	27.00	3.00	2.96	98.67	2.69	89.67	M>1.11<
27.00	30.00	3.00	3.00	100.00	2.75	91.67	10<111<
30.00	33.00	3.00	2.96	98.67	2.46	82.00	-20<111<
33.00	36.00	3.00	3.05	101.67	2.63	87.67	M>11.1<
36.00	39.00	3.00	3.00	100.00	2.65	88.33	-54<111<
39.00	42.00	3.00	3.05	101.67	2.63	87.67	0<111<
42.00	45.00	3.00	2.77	92.33	2.56	85.33	M>1.11<M
45.00	48.00	3.00	3.26	108.67	2.53	84.33	<111<
48.00	51.00	3.00	3.00	100.00	2.75	91.67	4<111<
51.00	54.00	3.00	2.95	98.33	2.76	92.00	0<111<
54.00	57.00	3.00	3.09	103.00	3.00	100.00	-170<111<
57.00	60.00	3.00	2.92	97.33	2.25	75.00	0<111<
60.00	63.00	3.00	3.00	100.00	2.40	80.00	N<111<
63.00	66.00	3.00	3.00	100.00	2.30	76.67	65<111<
66.00	69.00	3.00	3.00	100.00	2.65	88.33	176<111<

Hole Number: QK-17-008 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Geotechnical

From	To	Interval	Recovery	Recovery %	RQD	RQD %	Comments
69.00	72.00	3.00	3.00	100.00	2.85	95.00	-170<111<
72.00	75.00	3.00	3.00	100.00	2.88	96.00	-166<111<
75.00	78.00	3.00	2.96	98.67	2.85	95.00	178<111<
78.00	81.00	3.00	3.07	102.33	2.89	96.33	-10<111<
81.00	84.00	3.00	3.00	100.00	2.78	92.67	0<111<
84.00	87.00	3.00	3.00	100.00	2.84	94.67	0<111<
87.00	90.00	3.00	3.08	102.67	2.89	96.33	0<111<
90.00	93.00	3.00	2.98	99.33	2.52	84.00	0<111<
93.00	96.00	3.00	2.96	98.67	2.79	93.00	0<111<
96.00	99.00	3.00	2.92	97.33	2.64	88.00	0<111<.
99.00	102.00	3.00	2.91	97.00	2.53	84.33	N=000=
102.00	105.00	3.00	2.66	88.67	2.54	84.67	N=001<
105.00	108.00	3.00	2.94	98.00	2.76	92.00	M>111>
108.00	108.53	0.53	0.53	100.00	0.53	100.00	M>1

Structure

From	To	Structure	Alpha	Beta	Fill Material 1	Fill Material 2	Comments
36.86	39.00	Shearing					
42.80	43.32	Dyke	45.00	350.00			Dyke
81.54	87.82	Foliation	66.00	315.00			foliation with biotite alteration
106.78	107.23	Dyke	57.00	200.00			mafic dyke

Point Structure

At	Structure	Alpha	Beta	Core Azi	Core Dip	Calculated Dip	Calculated Strike	Apparent Dip	Dip Direction	Gamma	Joint Fill 1	Fill Material 1	Joint Fill 2	Fill Material 2	Comments
18.40	Foliation	30	235	199.30	-44.00	-45.20	200.48	0	290.48						Foliation crossed by pyrrhotite stringers. suggest mineralisation is post shear event
21.60	Quartz vein	40	260	199.30	-44.00	-57.17	225.42	0	315.42		hard<5mm	quartz	soft>5mm	calcite	3 cm qtz vein with 2 cm calcite vein on both sides
24.44	Contact	48	205	199.30	-44.00	-17.74	221.13	0	311.13						pyroxenite contact

Hole Number: QK-17-008 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Point Structure

At	Structure	Alpha	Beta	Core Azi	Core Dip	Calculated Dip	Calculated Strike	Apparent Dip	Dip Direction	Gamma	Joint Fill 1	Fill Material 1	Joint Fill 2	Fill Material 2	Comments
38.20	Calcite vein	35	345	199.30	-44.00	-80.17	96.87	0	186.87						8 cm
38.60	Shearing	51	260	199.30	-44.00	-51.80	237.24	0	327.24						Shear zone between the 2 basalts
43.06	Dyke	45	350	199.30	-44.00	-89.44	102.25	0	192.25						Measurement of Struture Table
63.77	Dyke	45	150	199.30	-44.00	-21.30	6.05	0	96.05						4 cm mafic dyke. cooked on both sides
76.50	Flow banding	65	160	199.30	-44.00	-23.76	310.32	0	40.32						contact between baslt and pyrique plagioclase basalt
84.68	Foliation	66	315	199.30	-44.00	-64.68	270.75	0	0.75						Measurement of Struture Table
106.04	Dyke	34	320	199.30	-44.00	-86.08	77.01	0	167.01						Mafic dyke. basalt cooked on both sides.
106.35	Dyke	34	320	199.30	-44.00	-86.08	77.01	0	167.01						
107.01	Dyke	57	200	199.30	-44.00	-18.06	252.36	0	342.36						Measurement of Struture Table

Orford Mining

Drill Log Report

Hole Number: QK-17-009 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Project

Project Number: Qiqavik Drilling
Date Started: juil. 27, 2017
Date Completed: juil. 31, 2017
Drilling Contractor: Forage G4
Survey Contractor:
Date Logged: juil. 28, 2017

Drilling

Making Water: N **OIH Comments:**
Gas Intersected: N
Is Hole Plugged: N
Object in Hole: N **Material LIH:**
Is Cemented: N
Is Hole Blocked:
Verified: N

Collar

NTS: 35G12 **Collar Dip:** -46.00
UTM Zone: UTM83-18 **Collar Azi:** 202.20
Lot: **Length:** 138.00
Township:
Range / Concession:
Claim Number: 2442192 **Core Size:** NQ
Collar Survey Type: DGPS and APS **Casing Status:** Left In Hole

Coordinates

UTM Coordinates
North: 6,825,865.48
East: 466,929.84
Elev: 420.00

GÉOLOGUE ROBERT CLOUTIER # 1233 QUÉBEC

Logged By

Geologist 1: Brian Belisle, Géo
Geologist 2: Arnaud Fontaine, Géo
Geologist 3:
Geologist 4:

Detailed Lithology

From	To	Lithology	Oxidation	Texture	Grain Size	Tone	Colour
0.00	3.00	**OB, Overburden**					
3.00	87.00	**I1C, Granodiorite** some quartz and carbonates veins disseminated sulphides mainly pyrite; phyrrotite; trace arsenopyrite.	Not Oxidized	Medium grained	Medium Grained	Medium	grey-green
87.00	88.30	**FltZ, Fault Zone**	Not Oxidized	Brecciated	Very Fine Grained	Medium	cream
88.30	92.53	**I1B, Granite** granite intrusion with disseminated sulphides.	Not Oxidized	Massive	Medium Grained	Light	red-brown
92.53	95.55	**M15, Metasomatic Rock**					

Mineralization

From	To	Type	Style	%	Comments
3.00	87.00	Sulphides	Disseminated	0.20	pyrite and arsenopyrite
3.00	87.00	Sulphides	Fracture/vein controlled	0.40	py; pyr; sp; as
21.10	21.11	Gold	Trace		<1 mm gold grain on both sides of core
88.30	138.00	Pyrite	Disseminated	0.10	disseminated pyrite

Alteration

From	To	Style	Type	Intensity	Comments
3.00	88.30	Fracture/vein controlled	Carbonatization	Moderate	
3.00	88.30	Pervasive	Chloritization	Weak	
91.53	113.00	Pervasive	Fuchsite	Moderate	fushite at contact with granite
92.53	95.55	Along Foliation	Sericitization	Strong	
132.40	134.70	Pervasive	Silicification	Strong	silicified basalt

Hole Number: QK-17-009 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Detailed Lithology

From	To	Lithology				
		Not Oxidized	Foliated	Very Fine Grained	Medium	grey-green
95.55	107.17	**ShrZ, Shear Zone**				
		Oxidation	**Texture**	**Grain Size**	**Tone**	**Colour**
		Not Oxidized	Sheared	Very Fine Grained	Medium	Grey
107.17	108.21	**I1, Intrusive Felsic Rocks**				
		Oxidation	**Texture**	**Grain Size**	**Tone**	**Colour**
		Not Oxidized		Very Fine Grained	Dark	green
108.21	119.30	**ShrZ, Shear Zone**				
		Oxidation	**Texture**	**Grain Size**	**Tone**	**Colour**
		Not Oxidized	Sheared	Very Fine Grained	Medium	Grey
119.30	132.40	**V3B, Basalt**				
		Oxidation	**Texture**	**Grain Size**	**Tone**	**Colour**
		Not Oxidized		Very Fine Grained	Dark	Grey
132.46	134.75	**I1, Intrusive Felsic Rocks**				
		Oxidation	**Texture**	**Grain Size**	**Tone**	**Colour**
		Not Oxidized		Very Fine Grained	Dark	Grey
134.75	138.00	**V3B, Basalt**				
		Oxidation	**Texture**	**Grain Size**	**Tone**	**Colour**
		Not Oxidized		Very Fine Grained	Dark	Grey

Hole Number: QK-17-009 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Sampling

From	To	Sample Number	Sample Type	Au (gpt)	Ag (gpt)	Cu (%)	Zn (%)	Pb (%)	Mg (%)	Fe (%)	Ca (%)
6.00	7.00	410901	ASSAY								
7.00	8.00	410902	ASSAY								
8.00	9.00	410903	ASSAY								
9.00	10.00	410904	ASSAY								
10.00	11.00	410905	ASSAY								
11.00	12.00	410906	ASSAY								
12.00	13.00	410907	ASSAY								
13.00	13.60	410908	ASSAY								
13.60	14.03	409528	ASSAY								
14.03	15.00	410909	ASSAY								
15.00	16.00	410911	ASSAY								
16.00	17.00	410912	ASSAY								
17.00	18.00	410913	ASSAY								
18.00	19.00	410914	ASSAY								
19.00	20.00	410915	ASSAY								
20.00	21.00	410916	ASSAY								
21.00	21.30	409529	ASSAY								
21.30	21.84	410917	ASSAY								
21.84	22.63	409531	ASSAY								
22.63	23.17	409532	ASSAY								
23.17	24.00	410918	ASSAY								
24.00	25.00	410919	ASSAY								
25.00	26.00	410921	ASSAY								
26.00	27.00	410922	ASSAY								
27.00	28.00	410923	ASSAY								
28.00	28.41	410924	ASSAY								
28.41	28.66	409533	ASSAY								
28.66	30.00	410925	ASSAY								
30.00	31.00	410926	ASSAY								

Hole Number: QK-17-009 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Sampling

From	To	Sample Number	Sample Type	Au (gpt)	Ag (gpt)	Cu (%)	Zn (%)	Pb (%)	Mg (%)	Fe (%)	Ca (%)
31.00	32.00	410927	ASSAY								
32.00	33.00	410928	ASSAY								
33.00	34.00	410929	ASSAY								
34.00	35.00	410931	ASSAY								
35.00	36.00	410932	ASSAY								
36.00	37.00	410933	ASSAY								
37.00	38.00	410934	ASSAY								
38.00	39.00	410935	ASSAY								
39.00	40.00	410936	ASSAY								
40.00	41.00	410937	ASSAY								
41.00	41.50	410938	ASSAY								
41.50	42.00	409534	ASSAY								
42.00	43.20	410939	ASSAY								
43.20	44.00	410941	ASSAY								
44.00	44.60	410942	ASSAY								
44.65	45.20	409535	ASSAY								
45.20	46.00	410943	ASSAY								
46.00	47.00	410944	ASSAY								
47.00	47.53	410945	ASSAY								
47.53	48.00	409536	ASSAY								
48.00	48.98	410946	ASSAY								
48.98	49.47	409537	ASSAY								
49.47	50.11	410947	ASSAY								
50.11	51.54	410948	ASSAY								
51.54	51.96	409538	ASSAY								
51.54	51.96	410930	DUP								
51.96	53.00	410949	ASSAY								
53.00	54.60	409627	ASSAY								
54.60	56.00	410951	ASSAY								

Hole Number: QK-17-009 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Sampling

From	To	Sample Number	Sample Type	Au (gpt)	Ag (gpt)	Cu (%)	Zn (%)	Pb (%)	Mg (%)	Fe (%)	Ca (%)
56.00	57.00	410952	ASSAY								
57.00	58.00	410953	ASSAY								
58.00	59.00	410954	ASSAY								
59.00	60.00	410955	ASSAY								
60.00	61.00	410956	ASSAY								
61.00	62.00	410957	ASSAY								
62.00	63.00	410958	ASSAY								
63.00	63.63	410959	ASSAY								
63.63	64.05	410961	ASSAY								
64.05	65.00	410962	ASSAY								
65.00	65.86	410963	ASSAY								
65.86	66.18	410964	ASSAY								
66.18	67.00	410965	ASSAY								
67.00	68.12	410966	ASSAY								
68.12	69.00	410967	ASSAY								
69.00	69.70	410968	ASSAY								
69.70	70.35	410969	ASSAY								
70.35	71.50	410970	DUP								
70.35	71.50	410971	ASSAY								
71.50	72.00	410972	ASSAY								
72.00	73.00	410973	ASSAY								
73.00	74.00	410974	ASSAY								
74.00	75.00	410975	ASSAY								
75.00	75.66	410976	ASSAY								
75.66	76.05	410977	ASSAY								
76.05	77.00	410978	ASSAY								
77.00	78.30	410979	ASSAY								
78.30	79.00	410981	ASSAY								
79.00	79.50	410982	ASSAY								

Hole Number: QK-17-009 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Sampling

From	To	Sample Number	Sample Type	Au (gpt)	Ag (gpt)	Cu (%)	Zn (%)	Pb (%)	Mg (%)	Fe (%)	Ca (%)
79.50	79.88	410983	ASSAY								
79.88	81.00	410984	ASSAY								
81.00	82.00	410985	ASSAY								
82.00	82.87	410986	ASSAY								
82.87	83.18	410987	ASSAY								
83.18	84.00	410988	ASSAY								
84.00	85.00	410989	ASSAY								
85.00	85.88	410991	ASSAY								
85.88	86.58	410992	ASSAY								
86.58	87.00	410993	ASSAY								
87.00	87.75	410994	ASSAY								
87.75	88.50	410995	ASSAY								
88.50	90.00	410996	ASSAY								
90.00	91.00	409591	ASSAY								
91.00	91.50	409592	ASSAY								
91.50	93.00	409593	ASSAY								
93.00	94.00	409594	ASSAY								
94.00	94.75	409595	ASSAY								
94.75	95.50	409596	ASSAY								
95.50	97.00	409597	ASSAY								
97.00	98.11	409598	ASSAY								
98.11	99.00	409599	ASSAY								
99.00	100.00	409601	ASSAY								
100.00	101.00	409602	ASSAY								
101.00	102.00	409603	ASSAY								
102.00	103.00	409604	ASSAY								
103.00	103.66	409605	ASSAY								
103.66	104.40	409606	ASSAY								
104.40	105.00	409607	ASSAY								

Hole Number: QK-17-009 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Sampling

From	To	Sample Number	Sample Type	Au (gpt)	Ag (gpt)	Cu (%)	Zn (%)	Pb (%)	Mg (%)	Fe (%)	Ca (%)
105.00	105.80	409608	ASSAY								
105.80	107.17	409609	ASSAY								
107.17	108.21	409610	DUP								
107.17	108.21	409611	ASSAY								
108.21	109.00	409612	ASSAY								
109.00	110.00	409613	ASSAY								
110.00	111.00	409614	ASSAY								
111.00	112.00	409615	ASSAY								
112.00	113.00	409616	ASSAY								
113.00	114.00	409617	ASSAY								
114.00	115.00	409618	ASSAY								
115.00	116.00	409619	ASSAY								
116.00	117.00	409621	ASSAY								
117.00	118.00	409622	ASSAY								
118.00	119.00	409623	ASSAY								
119.00	120.00	409624	ASSAY								
132.47	133.50	409625	ASSAY								
133.50	134.75	409626	ASSAY								

Geotechnical

From	To	Interval	Recovery	Recovery %	RQD	RQD %	Comments
3.00	6.00	3.00	2.00	66.67	0.31	10.33	000=
6.00	9.00	3.00	2.95	98.33	1.18	39.33	N=000=
9.00	12.00	3.00	3.00	100.00	1.48	49.33	N=000=
12.00	15.00	3.00	2.80	93.33	2.13	71.00	N=000=
15.00	18.00	3.00	2.80	93.33	1.95	65.00	N=000=
18.00	21.00	3.00	2.90	96.67	2.46	82.00	N=000=
21.00	24.00	3.00	2.83	94.33	2.45	81.67	N=000=
24.00	27.00	3.00	3.13	104.33	2.36	78.67	N=011<

Hole Number: QK-17-009 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Geotechnical

From	To	Interval	Recovery	Recovery %	RQD	RQD %	Comments
27.00	30.00	3.00	3.10	103.33	2.32	77.33	0<111<
30.00	33.00	3.00	3.05	101.67	2.22	74.00	M>.111<
33.00	36.00	3.00	2.90	96.67	1.67	55.67	N=000=
36.00	39.00	3.00	3.05	101.67	1.92	64.00	N=111<
39.00	42.00	3.00	2.80	93.33	1.12	37.33	M>100=
42.00	45.00	3.00	3.05	101.67	2.59	86.33	N=000=
45.00	48.00	3.00	2.90	96.67	2.50	83.33	N=000=
48.00	51.00	3.00	3.00	100.00	2.57	85.67	N=000=
51.00	54.00	3.00	2.27	75.67			Core box open in flight
54.00	57.00	3.00	2.40	80.00			Core box open in flight
57.00	60.00	3.00	2.90	96.67	1.71	57.00	N=000=
60.00	63.00	3.00	2.75	91.67	1.74	58.00	N=000=
63.00	66.00	3.00	3.00	100.00	1.34	44.67	N=000=
66.00	69.00	3.00	2.95	98.33	1.29	43.00	N=001<
69.00	72.00	3.00	2.85	95.00	1.73	57.67	M>110=
72.00	75.00	3.00	3.00	100.00	2.00	66.67	N=000=
75.00	78.00	3.00	3.00	100.00	1.88	62.67	N=100=
78.00	81.00	3.00	2.85	95.00	1.38	46.00	N=000=
81.00	84.00	3.00	3.00	100.00	2.39	79.67	N=000=
84.00	87.00	3.00	3.00	100.00	2.39	79.67	N=000=
87.00	90.00	3.00	2.25	75.00	0.44	14.67	N=000=
90.00	93.00	3.00	2.66	88.67	1.53	51.00	N=000=
93.00	96.00	3.00	2.83	94.33	1.23	41.00	N=011<
96.00	99.00	3.00	2.75	91.67	1.24	41.33	M>001=
99.00	102.00	3.00	2.88	96.00	1.52	50.67	N=011<
102.00	105.00	3.00	3.00	100.00	2.10	70.00	M>11.1<
105.00	108.00	3.00	3.00	100.00	2.00	66.67	N=001<M
108.00	111.00	3.00	3.00	100.00	2.31	77.00	<111<

Hole Number: QK-17-009 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Geotechnical

From	To	Interval	Recovery	Recovery %	RQD	RQD %	Comments
111.00	114.00	3.00	3.00	100.00	1.61	53.67	M>11.1<
114.00	117.00	3.00	3.00	100.00	2.53	84.33	M>1.11<
117.00	120.00	3.00	3.05	101.67	2.63	87.67	0<111<
120.00	123.00	3.00	2.85	95.00	2.81	93.67	0<111<M
123.00	126.00	3.00	3.10	103.33	2.78	92.67	<111<
126.00	129.00	3.00	2.95	98.33	2.79	93.00	0<111<
129.00	132.00	3.00	2.93	97.67	2.57	85.67	M<0<M10=
132.00	135.00	3.00	2.76	92.00	1.88	62.67	M>100=
135.00	138.00	3.00	2.95	98.33	2.15	71.67	N=001<

Structure

From	To	Structure	Alpha	Beta	Fill Material 1	Fill Material 2	Comments
42.00	43.20	Foliation					
87.00	88.50	Fault					
87.00	87.20	Gouge (fault)					fault gouge
95.55	119.30	Shearing	65.00	30.00			shear zone with fucshite

Point Structure

At	Structure	Alpha	Beta	Core Azi	Core Dip	Calculated Dip	Calculated Strike	Apparent Dip	Dip Direction	Gamma	Joint Fill 1	Fill Material 1	Joint Fill 2	Fill Material 2	Comments
13.64	Quartz vein	70													6 cm qtz vn. white with sulphides in beds py; sp (QZVN 2)
13.84	Quartz vein	40													9 cm qtz vn. grey with black spots (Qzvn 1) some pyrite
17.90	Quartz vein	50													3 cm qtz vn. milky white no min. (qtzn 3)
21.08	Quartz vein	70													2 cm qtz vein. white with black dots. VG <1 mm (QZVN 4)
21.91	Quartz vein	70													6 cm qtz vn. pale grey with black spots. little black spots (QZVN 2-4) sulphides in beds
25.08	Quartz vein	70													3 cm qtz vn. white with black dots (QZVN 4)

Hole Number: QK-17-009 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Point Structure

At	Structure	Alpha	Beta	Core Azi	Core Dip	Calculated Dip	Calculated Strike	Apparent Dip	Dip Direction	Gamma	Joint Fill 1	Fill Material 1	Joint Fill 2	Fill Material 2	Comments
28.46	Quartz vein	75	110	202.20	-46.00	-40.86	314.02	0	44.02						8 cm qtz vn. grey whit black spots (QZVN 1)
31.44	Quartz vein	75	50	202.20	-46.00	-54.60	306.28	0	36.28						1 cm qtz vn. grey white sulphides in beds py; sp (QZVN 2)
32.37	Quartz vein	70	20	202.20	-46.00	-63.08	299.74	0	29.74						4 cm qtz vn. white with sulphide in beds (QZVN 2)
42.67	Quartz vein	75													6 cm qtz vn. with grey whit black spots and lots of pyrite (QTZN 1)
44.71	Quartz vein	65													8 cm qtz vn. grey whit black spots (QZVN 1)
45.02	Quartz vein	65													2 cm qtz vn. white with black dots (QZVN 4)
45.11	Quartz vein	65													6 cm qtz vn. white with black dots (QZN 4)
46.47	Quartz vein	65													1 cm qtz vn. dark grey with black (QZVN 1)
47.61	Quartz vein	75													3 cm qtz vn. white with little black dots (QZVN 4) patch of pyrite
47.91	Quartz vein	70													2 cm qtz vn. dark grey with black (QZVN 1)
48.96	Quartz vein	70													2 cm qtz vn. dark grey with black spots (QZVN 1) with pyrite
49.36	Quartz vein	65													3 cm qtz vn. grey whit black spots (QZVN 1)
49.45	Quartz vein	70													2 cm qtz vn. whlte with black dots (QZVN 4) some pyrite
51.72	Quartz vein	70													2 cm qtz vn. grey white black spots (QZVN 1) whit pyrite in beds
51.75	Quartz vein	70													2 cm qtz vn. clear grey whit little py
63.66	Calcite vein	50													5 cm calcite vn white with sulphide in bed
69.30	Quartz vein	62	200	202.20	-46.00	-19.68	263.72	0	353.72						2 cm qtz vn. white (QZNV 3)
69.96	Quartz vein	50	75	202.20	-46.00	-64.18	335.81	0	65.81						1 cm qtz vein. grey whit black spots (QZVN 1)
70.17	Quartz vein	80	30	202.20	-46.00	-52.85	298.45	0	28.45						1 cm qtz vein. grey with black spots (QZVN 1)
70.31	Quartz vein	65	325	202.20	-46.00	-65.70	276.78	0	6.78						2 cm qtz vein. white with little black dots (QZVN 4)

Hole Number: QK-17-009 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Point Structure

At	Structure	Alpha	Beta	Core Azi	Core Dip	Calculated Dip	Calculated Strike	Apparent Dip	Dip Direction	Gamma	Joint Fill 1	Fill Material 1	Joint Fill 2	Fill Material 2	Comments
71.84	Quartz vein	85													12 cm qtz vn. white and grey pi pyrite band (QZVN 3)
75.44	Quartz vein	40													3 cm qtz vn. white with black dots (QZVN 4)
75.68	Quartz vein	35	5	202.20	-46.00	-81.13	116.34	0	206.34						3 cm qtz vn. white with black dots (QZVN 4)
78.81	Quartz vein	74													5 cm qtz vn. grey whit black spots (QZVN 1)
79.68	Quartz vein	60													3 cm qtz vn. grey whit black spots (QZVN 1)
84.71	Quartz vein	40													2 cm qtz vn. grey whit black spots (QZVN 1)
107.01	Shearing	57	200	202.20	-46.00	-16.50	251.22	0	341.22						Measurement of Struture Table
108.20	Contact	72	290	202.20	-46.00	-52.36	270.69	0	0.69		soft>5mm	calcite			contact with felsique intrusive

Orford Mining

Drill Log Report

Hole Number: QK-17-010 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Project

Project Number: Qiqavik Drilling
Date Started: juil. 27, 2017
Date Completed: juil. 28, 2017
Drilling Contractor: Forage G4
Survey Contractor:
Date Logged: juil. 29, 2017

Drilling

Making Water: N **OIH Comments:**
Gas Intersected: N
Is Hole Plugged: N
Object in Hole: N **Material LIH:**
Is Cemented: N
Is Hole Blocked:
Verified: N

Collar

NTS: 35G12 **Collar Dip:** -43.50
UTM Zone: UTM83-18 **Collar Azi:** 199.60
Lot: **Length:** 81.00
Township:
Range / Concession:
Claim Number: 2442177 **Core Size:** NQ
Collar Survey Type: DGPS and APS **Casing Status:** Left In Hole

Coordinates

UTM Coordinates
North: 6,831,942.44
East: 457,922.02
Elev: 297.11

Logged By

Geologist 1: Brian Belisle, Géo
Geologist 2: Arnaud Fontaine, Géo
Geologist 3:
Geologist 4:

Detailed Lithology

From	To	Lithology	Oxidation	Texture	Grain Size	Tone	Colour
0.00	6.70	**OB, Overburden**					
6.70	34.00	**V3B, Basalt** lightly foliated basalt with suphides stringers.	Not Oxidized	Foliated	Very Fine Grained	Dark	grey-green
34.00	43.00	**ShrZ, Shear Zone** Moderate shear zone at 75 dca. Progressive upper and lower contact with adjacent basalt. Shearing cross-cut by chlorite-rich bands that appear not foliated and may reflect a later alteration event. Pyrrhotite appears in rosary in the shearing and as irregular veinlets in chlorite-rich bands.					
43.00	81.00	**V3B, Basalt** basalt with plagioclase phyric alternates with foliated basalt. coarser grains between 71 and 73.88	Not Oxidized	Plagioclase phyric	Very Fine Grained	Dark	Grey

Mineralization

From	To	Type	Style	%	Comments
6.70	14.60	Sulphides	Fracture/vein controlled	0.50	pyrite and pyrrhotite
14.60	21.74	Sulphides	Laminated	3.00	pyrite and pyrrhotite in foliation
21.74	29.00	Sulphides	Fracture/vein controlled	0.50	pyrite and pyrrhotite
29.00	33.15	Sulphides	Stringer	4.00	stringers of chalcopyrite; sphalerite; pyrite; pyrrhotite; some arsenopyrite
32.95	33.01	Arsenopyrite	Bedded	30.00	arsenopyrite in the same fabric of the basalt. 65/280 (to core)
33.15	81.00	Sulphides	Fracture/vein controlled	0.30	pyrite; pyrrhotite; chalcopyrite

Alteration

From	To	Style	Type	Intensity	Comments
0.00	81.00	Fracture/vein controlled	Carbonatization	Weak	small carbonate veins

Hole Number: QK-17-010 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Sampling

From	To	Sample Number	Sample Type	Au (gpt)	Ag (gpt)	Cu (%)	Zn (%)	Pb (%)	Mg (%)	Fe (%)	Ca (%)
6.70	8.00	402467	ASSAY								
8.00	9.00	402468	ASSAY								
9.00	10.00	402469	ASSAY								
10.00	11.00	402471	ASSAY								
11.00	12.00	402472	ASSAY								
12.00	13.00	402473	ASSAY								
13.00	14.00	402474	ASSAY								
14.00	15.00	402475	ASSAY								
15.00	16.00	402476	ASSAY								
16.00	17.00	402477	ASSAY								
17.00	18.00	402478	ASSAY								
18.00	19.00	402479	ASSAY								
18.00	19.00	402480	DUP								
19.00	20.00	402481	ASSAY								
20.00	21.00	402482	ASSAY								
21.00	22.00	402483	ASSAY								
22.00	23.00	402484	ASSAY								
23.00	24.00	402485	ASSAY								
24.00	25.00	402486	ASSAY								
25.00	26.00	402487	ASSAY								
26.00	27.00	402488	ASSAY								
27.00	28.00	402489	ASSAY								
28.00	29.41	402491	ASSAY								
29.41	29.75	402492	ASSAY								
29.75	30.75	409527	ASSAY								
30.75	31.80	402493	ASSAY								
31.80	32.42	402494	ASSAY								
32.42	33.18	402495	ASSAY								
33.18	34.24	402496	ASSAY								

Hole Number: QK-17-010 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Sampling

From	To	Sample Number	Sample Type	Au (gpt)	Ag (gpt)	Cu (%)	Zn (%)	Pb (%)	Mg (%)	Fe (%)	Ca (%)
34.24	35.44	402497	ASSAY								
35.44	36.57	402498	ASSAY								
36.57	36.98	402499	ASSAY								
36.98	38.00	409501	ASSAY								
38.00	39.00	409502	ASSAY								
39.00	40.00	409503	ASSAY								
40.00	41.00	409504	ASSAY								
41.00	42.00	409505	ASSAY								
42.00	43.00	409506	ASSAY								
43.00	44.00	409507	ASSAY								
44.00	45.00	409508	ASSAY								
45.00	46.00	409509	ASSAY								
45.00	46.00	409510	DUP								
46.00	47.00	409511	ASSAY								
47.00	47.35	409512	ASSAY								
47.35	48.00	409513	ASSAY								
48.00	49.00	409514	ASSAY								
49.00	50.00	409515	ASSAY								
50.00	51.00	409516	ASSAY								
51.00	52.00	409517	ASSAY								
52.00	53.00	409518	ASSAY								
53.00	54.00	409519	ASSAY								
57.00	57.50	409521	ASSAY								
59.40	59.75	409522	ASSAY								
65.00	66.00	409523	ASSAY								
73.68	74.00	409524	ASSAY								
75.00	75.88	409525	ASSAY								
75.88	76.22	409526	ASSAY								

Geotechnical

Hole Number: QK-17-010 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Geotechnical

From	To	Interval	Recovery	Recovery %	RQD	RQD %	Comments
6.70	9.00	2.30	2.00	86.96	1.10	47.83	=01<
9.00	12.00	3.00	3.10	103.33	2.38	79.33	M>011<
12.00	15.00	3.00	3.10	103.33	1.72	57.33	N=001<
15.00	18.00	3.00	2.88	96.00	1.93	64.33	N=000<
18.00	21.00	3.00	2.90	96.67	2.00	66.67	M>000=
21.00	24.00	3.00	3.00	100.00	2.39	79.67	N=000=
24.00	27.00	3.00	2.90	96.67	1.29	43.00	N=001<M
27.00	30.00	3.00	3.00	100.00	2.25	75.00	<111<
30.00	33.00	3.00	3.05	101.67	2.21	73.67	N=001<
33.00	36.00	3.00	2.95	98.33	2.30	76.67	0<111<
36.00	39.00	3.00	2.95	98.33	2.45	81.67	0<111<
39.00	42.00	3.00	3.05	101.67	2.11	70.33	M>11.1<M
42.00	45.00	3.00	3.00	100.00	2.36	78.67	<111<
45.00	48.00	3.00	3.00	100.00	2.50	83.33	155<111<
48.00	51.00	3.00	3.00	100.00	2.73	91.00	M>111=
51.00	54.00	3.00	3.00	100.00	2.40	80.00	N<111<
54.00	57.00	3.00	2.95	98.33	2.46	82.00	0<111<
57.00	60.00	3.00	3.05	101.67	2.48	82.67	M>110=
60.00	63.00	3.00	3.00	100.00	2.54	84.67	N=111<
63.00	66.00	3.00	3.00	100.00	2.46	82.00	-168<111<
66.00	69.00	3.00	3.00	100.00	2.57	85.67	160<111<
69.00	72.00	3.00	2.95	98.33	2.78	92.67	-175<111<
72.00	75.00	3.00	2.95	98.33	2.72	90.67	0<111<
75.00	78.00	3.00	3.03	101.00	2.75	91.67	0<111<
78.00	81.00	3.00	3.00	100.00	2.89	96.33	120<111<

Structure

From	To	Structure	Alpha	Beta	Fill Material 1	Fill Material 2	Comments
13.00	22.00	Foliation					

Hole Number: QK-17-010 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Structure

From	To	Structure	Alpha	Beta	Fill Material 1	Fill Material 2	Comments
48.00	53.00	Fault					
65.20	65.80	Fault					
74.80	75.88	Fault					

Point Structure

At	Structure	Alpha	Beta	Core Azi	Core Dip	Calculated Dip	Calculated Strike	Apparent Dip	Dip Direction	Gamma	Joint Fill 1	Fill Material 1	Joint Fill 2	Fill Material 2	Comments
39.90	Shearing														-55 dip; 280 Azimuth. Shearing measured directly on half core oriented with compass
47.90	Quartz vein	15	345	199.60	-43.50	-60.09	92.84	0	182.84						
57.25	Quartz vein														qtz vein sub parallel to core. seen on 50 cm
59.62	Quartz vein	25											soft<5mm	calcite	
73.96	Quartz vein	77	190	199.60	-43.50	-33.76	285.57	0	15.57						3 cm qtz vn
76.00															plagioclase phyric basalt seems to flow over basalt penetrate it (pics)
78.89	Calcite vein	65	150	199.60	-43.50	-27.21	317.13	0	47.13						

Orford Mining

Drill Log Report

Hole Number: QK-17-011 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Project

Project Number: Qiqavik Drilling
Date Started: juil. 28, 2017
Date Completed: juil. 29, 2017
Drilling Contractor: Forage G4
Survey Contractor:
Date Logged: juil. 30, 2017

Drilling

Making Water: N **OIH Comments:**
Gas Intersected: N
Is Hole Plugged: N
Object in Hole: N **Material LIH:**
Is Cemented: N
Is Hole Blocked:
Verified: N

Collar

NTS: 35G12 **Collar Dip:** -90.00
UTM Zone: UTM83-18 **Collar Azi:** 0.00
Lot: **Length:** 63.00
Township:
Range / Concession:
Claim Number: 2442177 **Core Size:** NQ
Collar Survey Type: DGPS **Casing Status:** Left In Hole

Coordinates

UTM Coordinates
North: 6,831,943.61
East: 457,922.33
Elev: 297.14

GÉOLOGUE ROBERT CLOUTIER # 1233 QUÉBEC

Logged By

Geologist 1: Brian Belisle, Géo
Geologist 2: Arnaud Fontaine, Géo
Geologist 3:
Geologist 4:

Detailed Lithology

From	To	Lithology	Oxidation	Texture	Grain Size	Tone	Colour
0.00	2.92	**OB, Overburden**					
2.92	12.80	**V3B, Basalt** lightly foliated basalt with suphides stringers.	Not Oxidized	Foliated	Very Fine Grained	Dark	grey-green
12.80	16.70	**ShrZ, Shear Zone** shear zone with carbonates veins perpendicular to foliation					
16.70	54.00	**V3B, Basalt** lightly foliated basalt with suphides stringers.	Not Oxidized	Foliated	Very Fine Grained	Dark	Grey
54.00	63.00	**V3B, Basalt**	Not Oxidized	Plagioclase phyric	Very Fine Grained	Dark	Grey

Mineralization

From	To	Type	Style	%	Comments
2.92	14.90	Sulphides	Disseminated	0.25	py; pyr; some stringers
14.90	19.85	Sulphides	Banded	1.25	pt; chalco; pyr; as
20.37	22.50	Sulphides	Fracture/vein controlled	3.00	pyr. on contact with dyke. along foliation py; pyr
22.50	23.23	Sulphides	Disseminated	0.50	py; pyr
23.23	28.08	Sulphides	Banded	0.50	py; pyr; along foliation
29.23	37.52	Sulphides	Fracture/vein controlled	4.00	py; pyr; chalco; as. some stringers. large band of arsenopyrite.

Alteration

From	To	Style	Type	Intensity	Comments
2.92	63.00	Fracture/vein controlled	Carbonatization	Weak	Carbonate veins
53.07	54.00	Along Foliation	Sericitization	Moderate	

Mineralization

From	To	Type	Style	%
37.52	38.25	Sulphides	Fracture/vein controlled	1.50
		Comments	py and chalco and patch of chalcopyrite	
38.25	52.75	Sulphides	Disseminated	0.10
		Comments	py; pyr some in fracture	

Sampling

From	To	Sample Number	Sample Type	Au (gpt)	Ag (gpt)	Cu (%)	Zn (%)	Pb (%)	Mg (%)	Fe (%)	Ca (%)
3.00	4.00	409539	ASSAY								
4.00	5.00	409541	ASSAY								
5.00	6.00	409542	ASSAY								
6.00	7.00	409543	ASSAY								
7.00	8.00	409544	ASSAY								
8.00	9.00	409545	ASSAY								
9.00	10.00	409546	ASSAY								
10.00	11.00	409547	ASSAY								
11.00	12.00	409548	ASSAY								
12.00	12.50	409549	ASSAY								
12.50	13.20	409551	ASSAY								
13.20	14.00	409552	ASSAY								
14.00	15.00	409553	ASSAY								
15.00	16.00	409554	ASSAY								
16.00	17.00	409555	ASSAY								
17.00	18.00	409556	ASSAY								
18.00	19.00	409557	ASSAY								
19.00	19.40	409558	ASSAY								
19.40	20.35	409559	ASSAY								
20.35	21.00	409560	DUP								
20.35	21.00	409561	ASSAY								

Hole Number: QK-17-011 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Sampling

From	To	Sample Number	Sample Type	Au (gpt)	Ag (gpt)	Cu (%)	Zn (%)	Pb (%)	Mg (%)	Fe (%)	Ca (%)
21.00	22.30	409562	ASSAY								
22.30	23.20	409563	ASSAY								
23.20	24.00	409564	ASSAY								
24.00	25.00	409565	ASSAY								
25.00	26.00	409566	ASSAY								
26.00	27.00	409567	ASSAY								
27.00	28.00	409568	ASSAY								
28.00	29.22	409569	ASSAY								
29.22	30.00	409571	ASSAY								
30.00	30.60	409572	ASSAY								
30.60	30.90	409573	ASSAY								
30.90	31.50	409574	ASSAY								
31.50	32.28	409575	ASSAY								
32.28	33.00	409576	ASSAY								
33.00	33.36	409577	ASSAY								
33.36	34.57	409578	ASSAY								
34.57	35.00	409579	ASSAY								
35.00	36.00	409581	ASSAY								
36.00	37.00	409582	ASSAY								
37.00	38.30	409583	ASSAY								
38.30	39.00	409584	ASSAY								
39.00	40.30	409585	ASSAY								
48.00	49.00	409586	ASSAY								
51.00	51.34	409587	ASSAY								
54.72	55.09	409588	ASSAY								
62.00	63.00	409589	ASSAY								
62.00	63.00	409590	DUP								

Geotechnical

From	To	Interval	Recovery	Recovery %	RQD	RQD %	Comments

Hole Number: QK-17-011 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Geotechnical

From	To	Interval	Recovery	Recovery %	RQD	RQD %	Comments
2.92	6.00	3.08	3.00	97.40	1.51	49.03	
6.00	9.00	3.00	3.00	100.00	2.21	73.67	
9.00	12.00	3.00	2.83	94.33	1.62	54.00	
12.00	15.00	3.00	2.87	95.67	1.69	56.33	
15.00	18.00	3.00	2.90	96.67	1.36	45.33	
18.00	21.00	3.00	2.75	91.67	1.53	51.00	
21.00	24.00	3.00	3.20	106.67	1.73	57.67	
24.00	27.00	3.00	2.90	96.67	2.40	80.00	
27.00	30.00	3.00	3.05	101.67	1.67	55.67	
30.00	33.00	3.00	3.00	100.00	2.21	73.67	
33.00	36.00	3.00	2.88	96.00	2.26	75.33	
36.00	39.00	3.00	3.05	101.67	2.09	69.67	
39.00	42.00	3.00	3.05	101.67	2.70	90.00	
42.00	45.00	3.00	3.00	100.00	2.33	77.67	
45.00	48.00	3.00	3.00	100.00	2.20	73.33	
48.00	51.00	3.00	2.97	99.00	2.24	74.67	
51.00	54.00	3.00	3.20	106.67	2.54	84.67	
54.00	57.00	3.00	2.95	98.33	2.61	87.00	
57.00	60.00	3.00	3.05	101.67	2.73	91.00	
60.00	63.00	3.00	3.00	100.00	1.95	65.00	

Structure

From	To	Structure	Alpha	Beta	Fill Material 1	Fill Material 2	Comments
8.00	9.30	Dyke					intrusion looks like granodiorite.
12.80	16.70	Foliation					mineralisation in the foliation. sheared?
19.85	20.37	Dyke					
22.47	23.19	Dyke					
23.23	37.00	Foliation					foliation. mineralisation along foliation
28.30	29.23	Dyke					

Hole Number: QK-17-011 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Structure

From	To	Structure	Alpha	Beta	Fill Material 1	Fill Material 2	Comments
47.00	54.00	Bedding					bedding in basalt
59.95	60.40	Shearing					

Point Structure

At	Structure	Alpha	Beta	Core Azi	Core Dip	Calculated Dip	Calculated Strike	Apparent Dip	Dip Direction	Gamma	Joint Fill 1	Fill Material 1	Joint Fill 2	Fill Material 2	Comments
6.92	Quartz vein												soft>5mm	calcite	quartz vn with calcite veins
26.47	Quartz vein	65													qtz vein milky white
29.23	Contact	60													
54.70	Quartz vein	60													white qtz vn

Orford Mining

Drill Log Report

Hole Number: QK-17-012 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Project

Project Number: Qiqavik Drilling
Date Started: juil. 30, 2017
Date Completed: juil. 31, 2017
Drilling Contractor: Forage G4
Survey Contractor:
Date Logged: août 1, 2017

Drilling

Making Water: N **OIH Comments:**
Gas Intersected: N
Is Hole Plugged: N
Object in Hole: N **Material LIH:**
Is Cemented: N
Is Hole Blocked:
Verified: N

Collar

NTS: 35G12 **Collar Dip:** -44.40
UTM Zone: UTM83-18 **Collar Azi:** 196.90
Lot: **Length:** 96.00
Township:
Range / Concession:
Claim Number: 2442177 **Core Size:** NQ
Collar Survey Type: DGPS and APS **Casing Status:** Left In Hole

Coordinates

UTM Coordinates
North: 6,832,050.28
East: 457,640.53
Elev: 304.49

GÉOLOGUE ROBERT CLOUTIER # 1233 QUÉBEC

Logged By
Geologist 1: Brian Belisle, Géo
Geologist 2: Arnaud Fontaine, Géo
Geologist 3:
Geologist 4:

Detailed Lithology

From	To	Lithology	Oxidation	Texture	Grain Size	Tone	Colour
0.00	5.00	**OB, Overburden**					
5.00	30.20	**V3B, Basalt** Varies from massive to locally weakly porphyritic (up to 5% plagioclase with dm 1mm)	Not Oxidized	Massive	Fine Grained	Dark	Grey
30.20	30.70	**I2Y, Porphyry Intermediate Intrusive** Contains 15% sub-hedral plagioclase phenocrysts 1.5 mm. Sharp contacts		Porphyritic			
30.70	42.95	**V3B, Basalt** Varies from massive to locally weakly porphyritic (up to 5% plagioclase with dm 1mm)	Not Oxidized	Massive	Fine Grained		
42.95	43.40	**I2Y, Porphyry Intermediate Intrusive** 10-15% plagioclase phenocrysts 2mm. Sharp contacts of the dyke.		Porphyritic			

Mineralization

From	To	Type	Style	%	Comments
36.70	68.00	Sulphides	Stringer	0.20	mainly pyrrhotite. some pyrite
68.00	81.90	Sulphides	Stringer	4.00	strigers of pyrrhotite and chalcopyrite similar to other holes in esperance.
81.44	83.30	Pyrrhotite	Stringer	2.00	Associated with shearing
81.44	83.30	Pyrite	Disseminated	0.10	Associated with shearing
81.44	83.30	Sphalerite	Stringer	2.00	Associated with shearing
81.90	83.60	Sulphides	Bedded	5.00	pyrrhotite; sphalerite; arsenopyrite in beds; sheared; different than what we have seen in other esperance holes

Alteration

From	To	Style	Type	Intensity	Comments
5.00	30.20	Along Foliation	Chloritization	Weak	
5.00	28.70	Along Foliation	Calcite	Weak	
28.70	30.20	Banded	Biotite	Weak	
30.70	35.30	Banded	Biotite	Weak	
30.70	36.60	Along Foliation	Chloritization	Weak	
35.30	36.60	Along Foliation	Calcite	Weak	
36.60	36.90	Along Foliation	Chloritization	Moderate	Becomes moderately chloritic near Po stringer. Calcite dissapears
36.90	38.50	Along Foliation	Calcite	Weak	
36.90	41.00	Along Foliation	Chloritization	Weak	
38.50	41.00	Banded	Biotite	Weak	
41.00	42.55	Patchy	Chloritization	Moderate	

Hole Number: QK-17-012 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Detailed Lithology

From	To	Lithology
43.40	50.53	**V3B, Basalt** **Oxidation** **Texture** **Grain Size** **Tone** **Colour** Porphyritic
50.53	62.20	**V3B, Basalt** **Oxidation** **Texture** **Grain Size** **Tone** **Colour** Aphanitic
62.20	65.70	**I2Y, Porphyry Intermediate Intrusive** Contains 7-8% subhedral plagioclase 2mm.Sharp contacts **Oxidation** **Texture** **Grain Size** **Tone** **Colour** Porphyritic
65.70	76.80	**V3B, Basalt** Varies from massive to locally weakly porphyritic (up to 5% plagioclase with dm 1mm). Texture partly obliterated by alteration **Oxidation** **Texture** **Grain Size** **Tone** **Colour** Massive Fine Grained
76.80	81.44	**V3B, Basalt** Porphyritic texture well defined **Oxidation** **Texture** **Grain Size** **Tone** **Colour** Porphyritic
81.44	83.30	**ShrZ, Shear Zone** Moderate shearing at 70 dca **Oxidation** **Texture** **Grain Size** **Tone** **Colour**
83.30	84.30	**V3B, Basalt** **Oxidation** **Texture** **Grain Size** **Tone** **Colour**
84.30	86.43	**I4, Intrusive Ultramafic/Ultrabasic Rocks** Ti at 0.28; Zr at 77; Cr at 852; Ni at 257 **Oxidation** **Texture** **Grain Size** **Tone** **Colour**

Alteration

From	To	Style	Type	Intensity
		Comments moderately foliated with stronger pervasive chlorite alteration		
41.00	42.55	Disseminated	Actinolite	Weak
		Comments Randomly oriented		
42.55	42.95	Banded	Biotite	Weak
42.55	50.53	Banded	Chloritization	Weak
42.95	50.53	Along Foliation	Calcite	Weak
50.53	62.20	Patchy	Chloritization	Moderate
		Comments stronger pervasice chlorite alteration superimposed on the background foliated chorite and locally fractured controlled. Disseminated garnet moderate frequence form 54.5 to 62.2		
62.20	68.20	Along Foliation	Chloritization	Weak
62.20	68.20	Along Foliation	Calcite	Weak
68.20	72.30	Patchy	Chloritization	Moderate
		Comments Green alteration pervasive overprinting earlier background chlorite and associated with Po stringers		
72.30	81.44	Along Foliation	Chloritization	Weak
72.30	81.44	Along Foliation	Calcite	Weak
81.44	83.30	Along Foliation	Chloritization	Moderate
81.44	83.30	Along Foliation	Calcite	Moderate

Hole Number: QK-17-012 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Detailed Lithology

From	To	Lithology
86.43	96.00	**V3B, Basalt**

Oxidation	Texture	Grain Size	Tone	Colour

Alteration

From	To	Style	Type	Intensity
83.30	84.30	Along Foliation	Calcite	Weak
83.30	96.00	Along Foliation	Chloritization	Weak
86.43	96.00	Along Foliation	Calcite	Weak

Sampling

From	To	Sample Number	Sample Type	Au (gpt)	Ag (gpt)	Cu (%)	Zn (%)	Pb (%)	Mg (%)	Fe (%)	Ca (%)
11.20	11.72	409628	ASSAY								
13.44	13.80	409629	ASSAY								
14.44	14.74	409631	ASSAY								
15.92	16.24	409632	ASSAY								
20.12	20.60	409633	ASSAY								
36.60	36.90	409634	ASSAY								
38.00	39.00	409635	ASSAY								
41.00	42.00	409636	ASSAY								
42.00	42.55	409637	ASSAY								
50.53	51.44	409638	ASSAY								
52.00	53.00	409639	ASSAY								
54.00	55.00	409641	ASSAY								
55.00	56.00	409642	ASSAY								
56.00	56.37	409643	ASSAY								
64.00	65.18	410681	ASSAY								
65.18	65.53	409644	ASSAY								
65.53	66.50	410682	ASSAY								
66.50	66.80	409645	ASSAY								
66.80	68.20	410683	ASSAY								
68.20	69.00	409646	ASSAY								
69.00	69.98	409647	ASSAY								

Hole Number: QK-17-012 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Sampling

From	To	Sample Number	Sample Type	Au (gpt)	Ag (gpt)	Cu (%)	Zn (%)	Pb (%)	Mg (%)	Fe (%)	Ca (%)
69.98	71.00	409648	ASSAY								
71.00	72.00	409649	ASSAY								
72.00	72.80	409651	ASSAY								
72.80	73.40	409652	ASSAY								
73.40	73.65	409653	ASSAY								
73.65	74.41	409654	ASSAY								
74.41	75.16	409655	ASSAY								
75.16	75.80	410684	ASSAY								
80.36	81.00	409656	ASSAY								
81.00	81.92	409657	ASSAY								
81.92	82.41	409658	ASSAY								
82.41	83.20	409659	ASSAY								
82.41	83.20	409660	DUP								
83.20	83.56	409661	ASSAY								
84.30	85.30	409662	ASSAY								
85.30	86.44	409663	ASSAY								

Geotechnical

From	To	Interval	Recovery	Recovery %	RQD	RQD %	Comments
5.00	6.00	1.00	1.00	100.00	0.29	29.00	N=0=
6.00	9.00	3.00	3.20	106.67	2.36	78.67	N=000=
9.00	12.00	3.00	2.93	97.67	2.32	77.33	N=000=
12.00	15.00	3.00	3.02	100.67	2.16	72.00	N=000<
15.00	18.00	3.00	2.91	97.00	2.15	71.67	M>100<
18.00	21.00	3.00	3.00	100.00	1.59	53.00	M>001<M
21.00	24.00	3.00	3.08	102.67	2.57	85.67	<111<
24.00	27.00	3.00	3.07	102.33	2.66	88.67	-110<111<
27.00	30.00	3.00	2.98	99.33	2.20	73.33	M>100=
30.00	33.00	3.00	3.06	102.00	2.89	96.33	N=011<

Hole Number: QK-17-012 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Geotechnical

From	To	Interval	Recovery	Recovery %	RQD	RQD %	Comments
33.00	36.00	3.00	2.98	99.33	2.50	83.33	M>101<
36.00	39.00	3.00	3.11	103.67	2.88	96.00	-35<111<
39.00	42.00	3.00	2.89	96.33	2.22	74.00	10<111<
42.00	45.00	3.00	2.90	96.67	2.50	83.33	N=111<
45.00	48.00	3.00	2.89	96.33	2.33	77.67	-90<111<
48.00	51.00	3.00	3.06	102.00	2.45	81.67	90<111<
51.00	54.00	3.00	2.81	93.67	1.90	63.33	M>111=
54.00	57.00	3.00	2.78	92.67	1.89	63.00	N=011<
57.00	60.00	3.00	3.15	105.00	2.57	85.67	-30<111<
60.00	63.00	3.00	3.06	102.00	2.43	81.00	0<111<
63.00	66.00	3.00	3.07	102.33	2.59	86.33	-10<111<
66.00	69.00	3.00	3.00	100.00	2.58	86.00	0<111<
69.00	72.00	3.00	3.00	100.00	2.60	86.67	0<111<
72.00	75.00	3.00	2.95	98.33	2.45	81.67	0<111<
75.00	78.00	3.00	3.15	105.00	3.15	105.00	0<111<
78.00	81.00	3.00	3.05	101.67	2.90	96.67	0<111<
81.00	84.00	3.00	2.95	98.33	2.33	77.67	18<111<
84.00	87.00	3.00	3.00	100.00	2.90	96.67	0<111<M
87.00	90.00	3.00	3.10	103.33	2.83	94.33	<111<M
90.00	93.00	3.00	2.95	98.33	2.62	87.33	<111<
93.00	96.00	3.00	3.00	100.00	2.77	92.33	-5<111<

Structure

From	To	Structure	Alpha	Beta	Fill Material 1	Fill Material 2	Comments
20.12	20.60	Shearing	70.00	280.00			

Point Structure

At	Structure	Alpha	Beta	Core Azi	Core Dip	Calculated Dip	Calculated Strike	Apparent Dip	Dip Direction	Gamma	Joint Fill 1	Fill Material 1	Joint Fill 2	Fill Material 2	Comments
11.45	Quartz vein	15													Qtz vn. milky white no min

Hole Number: QK-17-012 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Point Structure

At	Structure	Alpha	Beta	Core Azi	Core Dip	Calculated Dip	Calculated Strike	Apparent Dip	Dip Direction	Gamma	Joint Fill 1	Fill Material 1	Joint Fill 2	Fill Material 2	Comments
13.60	Quartz vein	40													30 cm qtz vn. milky white no min
14.60	Quartz vein	65													25 cm qtz vn. grey with little pyrrhotite
16.15	Quartz vein	35													5 cm drak grey qtz vn. no min
20.36	Shearing	70	280	196.90	-44.40	-52.05	261.61	0	351.61						Measurement of Struture Table
30.70	Lower contact	74	356	196.90	-44.40	-61.57	285.65	0	15.65						Sharp lower contact
42.95	Upper contact	63	196	196.90	-44.40	-20.74	266.21	0	356.21						Sharp upper contact
62.20	Upper contact	67	182	196.90	-44.40	-22.63	284.87	0	14.87						Sharp upper contact
82.00	Shearing	70													Shear associated with Sp-As-Py stringers

Orford Mining

Drill Log Report

Hole Number: QK-17-013 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Project

Project Number: Qiqavik Drilling
Date Started: juil. 31, 2017
Date Completed: août 01, 2017
Drilling Contractor: Forage G4
Survey Contractor:
Date Logged: août 2, 2017

Drilling

Making Water: N **OIH Comments:**
Gas Intersected: N
Is Hole Plugged: N
Object in Hole: N **Material LIH:**
Is Cemented: N
Is Hole Blocked:
Verified: N

Collar

NTS: 35G12 **Collar Dip:** -81.20
UTM Zone: UTM83-18 **Collar Azi:** 196.90
Lot: **Length:** 84.00
Township:
Range / Concession:
Claim Number: 2442177 **Core Size:** NQ
Collar Survey Type: DGPS and APS **Casing Status:** Left In Hole

Coordinates

UTM Coordinates
North: 6,832,051.13
East: 457,640.82
Elev: 304.48

Logged By

Geologist 1: Brian Belisle, Géo
Geologist 2: Arnaud Fontaine, Géo
Geologist 3:
Geologist 4:

Detailed Lithology

From	To	Lithology	Oxidation	Texture	Grain Size	Tone	Colour
0.00	2.57	**OB, Overburden**					
2.57	18.50	**V3B, Basalt** Varies from massive to locally weakly porphyritic		Massive	Fine Grained		
18.50	19.30	**I2Y, Porphyry Intermediate Intrusive** 15 % plagioclase phenocrysts. dm 2mm		Porphyritic			
19.30	19.40	**ShrZ, Shear Zone** Sheared at 70 dca. NOMIN					
19.40	29.30	**V3B, Basalt** Varies from massive to locally weakly porphyritic		Massive	Fine Grained		
29.30	30.40	**I3A, Gabbro** Foliated at 65 dca; parallel to upper contact. Lower contact blurred					

Mineralization

From	To	Type	Style	%	Comments
45.00	62.70	Sulphides	Stringer	0.50	mainly pyrrhotite. some pyrite. trace chalco
46.30	57.20	Chalcopyrite	Stringer	0.50	In stringers locally associates with calcite veinlets or quartz veinlets but also as sulphide-only veinlets that are irregular. Good pervasive green chlorite
46.30	57.20	Pyrrhotite	Stringer	2.50	In stringers locally associates with calcite veinlets or quartz veinlets but also as sulphide-only veinlets that are irregular. Good pervasive green chlorite
62.70	62.80	Pyrrhotite	Massive	100.00	10 cm of massive pyrrhotite
62.70	71.40	Sulphides	Stringer	2.50	chalco and pyrrhotite stringers similar to other holes in esperance.
62.80	63.00	Chalcopyrite	Stringer	0.30	

Alteration

From	To	Style	Type	Intensity
2.57	18.50	Along Foliation	Calcite	Weak
2.57	18.50	Along Foliation	Chloritization	Weak
19.30	19.40	Along Foliation	Sericitization	Moderate
19.30	29.30	Along Foliation	Chloritization	Weak
19.40	29.30	Along Foliation	Calcite	Weak
30.40	39.66	Along Foliation	Calcite	Weak
30.40	39.66	Along Foliation	Chloritization	Weak
36.40	39.66	Banded	Biotite	Weak
46.30	57.20	Patchy	Chloritization	Weak
60.10	63.30		Calcite	Weak
60.10	63.30		Chloritization	Weak
63.50	69.10		Calcite	Weak
63.50	69.10		Chloritization	Weak

Detailed Lithology

From	To	Lithology	Oxidation	Texture	Grain Size	Tone	Colour
					Medium Grained		
30.40	39.66	**V3B, Basalt** Varies from massive to locally weakly porphyritic		Massive			
39.66	42.50	**I2Y, Porphyry Intermediate Intrusive** 15% plagioclase. Dm 3mm. Sharp upper and lower contacts		Porphyritic			
42.50	59.60	**V3B, Basalt** Varies from massive to locally weakly porphyritic		Massive	Fine Grained		
59.60	60.10	**I2Y, Porphyry Intermediate Intrusive** Similar to dyke at 39.66 m. Sharp contacts.		Porphyritic			
60.10	63.30	**V3B, Basalt**		Massive			
63.30	63.50	**I2Y, Porphyry Intermediate Intrusive** Moderately foliated parallel to contacts. Other dykes are not foliated.			Medium Grained		
63.50	69.10	**V3B, Basalt**					
69.10	69.30	**ShrZ, Shear Zone** Moderate shearing at 70 dca with moderate chlorite-calcite alteration					

Mineralization

From	To	Type	Style	%
62.80	63.00	Pyrrhotite	Stringer	60.00
69.40	69.42	Chalcopyrite	Massive	100.00

Comments
2 cm of chalcopyrite

Alteration

From	To	Style	Type	Intensity
64.50	69.10	Banded	Biotite	Weak
69.10	69.30		Calcite	Moderate
69.10	69.30		Chloritization	Moderate
69.30	84.00		Calcite	Weak
69.30	84.00		Chloritization	Weak
69.30	79.45	Banded	Biotite	Weak
75.40	76.60		Sericitization	Strong
82.00	83.80	Banded	Biotite	Weak

Hole Number: QK-17-013 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Detailed Lithology

From	To	Lithology				
		Oxidation	**Texture**	**Grain Size**	**Tone**	**Colour**
69.30	79.45	**V3B, Basalt**				
		Oxidation	**Texture**	**Grain Size**	**Tone**	**Colour**
79.45	81.30	**I3A, Gabbro** Mafic (plagio; mafic; no qtz); non foliated. Ti at 0.37 and Zr at 102. Only very wk Rx to HCl				
		Oxidation	**Texture** Massive	**Grain Size**	**Tone**	**Colour**
81.30	84.00	**V3B, Basalt**				
		Oxidation	**Texture** Porphyritic	**Grain Size**	**Tone**	**Colour**

Sampling

From	To	Sample Number	Sample Type	Au (gpt)	Ag (gpt)	Cu (%)	Zn (%)	Pb (%)	Mg (%)	Fe (%)	Ca (%)
9.00	10.00	409664	ASSAY								
19.44	19.74	409665	ASSAY								
20.20	20.50	409666	ASSAY								
24.00	25.00	409667	ASSAY								
28.50	29.01	409668	ASSAY								
35.00	35.30	409669	ASSAY								
37.14	37.48	409671	ASSAY								
42.00	43.00	409672	ASSAY								
46.47	46.95	409673	ASSAY								
46.95	48.00	409674	ASSAY								
48.00	49.00	409675	ASSAY								
49.00	50.00	409676	ASSAY								
50.00	51.00	409677	ASSAY								

Hole Number: QK-17-013 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Sampling

From	To	Sample Number	Sample Type	Au (gpt)	Ag (gpt)	Cu (%)	Zn (%)	Pb (%)	Mg (%)	Fe (%)	Ca (%)
51.00	52.00	409678	ASSAY								
52.00	53.00	409679	ASSAY								
53.00	54.00	409681	ASSAY								
54.00	55.00	409682	ASSAY								
55.00	55.35	409683	ASSAY								
56.27	56.87	409684	ASSAY								
60.00	61.00	409685	ASSAY								
62.76	63.06	409686	ASSAY								
64.35	65.11	409687	ASSAY								
65.11	65.65	409688	ASSAY								
66.50	68.00	409689	ASSAY								
66.50	68.00	409690	DUP								
69.35	69.65	409691	ASSAY								
69.65	70.00	409693	ASSAY								
76.61	76.91	409694	ASSAY								
80.00	81.00	409695	ASSAY								

Geotechnical

From	To	Interval	Recovery	Recovery %	RQD	RQD %	Comments
2.57	3.00	0.43	0.43	100.00	0.00	0.00	N=0
3.00	6.00	3.00	2.78	92.67	1.93	64.33	N=001<M
6.00	9.00	3.00	3.05	101.67	2.22	74.00	<111<
9.00	12.00	3.00	3.05	101.67	2.35	78.33	M>1.11<.<M
12.00	15.00	3.00	3.00	100.00	2.20	73.33	<111<
15.00	18.00	3.00	2.79	93.00	1.93	64.33	M>000=
18.00	21.00	3.00	3.20	106.67	2.30	76.67	N=000=
21.00	24.00	3.00	2.85	95.00	1.95	65.00	N=011<
24.00	27.00	3.00	3.05	101.67	2.08	69.33	M>101<
27.00	30.00	3.00	2.93	97.67	1.88	62.67	N=000<M

Hole Number: QK-17-013 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Geotechnical

From	To	Interval	Recovery	Recovery %	RQD	RQD %	Comments
30.00	33.00	3.00	3.10	103.33	2.50	83.33	<111<
33.00	36.00	3.00	3.03	101.00	2.75	91.67	20<111<
36.00	39.00	3.00	3.11	103.67	2.44	81.33	M>1.11<M
39.00	42.00	3.00	2.96	98.67	2.50	83.33	<111<
42.00	45.00	3.00	2.94	98.00	2.20	73.33	60<111<
45.00	48.00	3.00	3.00	100.00	2.23	74.33	M>11.1<
48.00	51.00	3.00	2.95	98.33	1.93	64.33	M>000<
51.00	54.00	3.00	3.00	100.00	2.68	89.33	M>101<
54.00	57.00	3.00	3.00	100.00	2.37	79.00	20<111<
57.00	60.00	3.00	2.85	95.00	2.36	78.67	0<111<
60.00	63.00	3.00	3.10	103.33	2.74	91.33	10<111<
63.00	66.00	3.00	3.00	100.00	2.73	91.00	0<111<
66.00	69.00	3.00	3.00	100.00	2.87	95.67	0<111<
69.00	72.00	3.00	2.78	92.67	2.48	82.67	-94<111<.=
72.00	75.00	3.00	3.00	100.00	1.97	65.67	N=011<
75.00	78.00	3.00	2.97	99.00	2.72	90.67	0<111<
78.00	81.00	3.00	2.97	99.00	2.82	94.00	M>100=
81.00	84.00	3.00	3.05	101.67	2.47	82.33	N=000=

Structure

From	To	Structure	Alpha	Beta	Fill Material 1	Fill Material 2	Comments
2.57	18.50	Calcite vein					Without orientation
18.57	19.27	Flow banding					
20.20	20.40	Quartz vein					Quartz-Calcite vein at 26 dca. No min
39.66	42.60	Flow banding					

Point Structure

At	Structure	Alpha	Beta	Core Azi	Core Dip	Calculated Dip	Calculated Strike	Apparent Dip	Dip Direction	Gamma	Joint Fill 1	Fill Material 1	Joint Fill 2	Fill Material 2	Comments

Hole Number: QK-17-013 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Point Structure

At	Structure	Alpha	Beta	Core Azi	Core Dip	Calculated Dip	Calculated Strike	Apparent Dip	Dip Direction	Gamma	Joint Fill 1	Fill Material 1	Joint Fill 2	Fill Material 2	Comments
18.50	Upper contact	71													Sharp upper contact of dyke. Core not oriented here.
19.30	Lower contact	70													Sheared lower contact at 70dca. Core not oriented here.
20.44	Calcite vein	65													4 cm calcite vein
20.90	Brecciation														looks like a fault filled with carbonates.
29.30		65													
33.68	Calcite vein		75							75					2 cm calcite vein
39.66		64	158	196.90	-81.20	-18.12	75.03	0	165.03						
42.50		65													Core not oriented here.
50.60	Fault		65							330					
51.92	Calcite vein														calcite vein with sulphides stringers
56.35	Quartz vein		50							240					2 cm qtz vn
56.80	Quartz vein		40							260					2 cm qtz vn
59.60	Upper contact	27	97	196.90	-81.20	-62.27	19.35	0	109.35						Sharp upper contact of dyke.
60.10	Lower contact	70													Sharp lower contact but core cut and bottom to measure beta not on cut core
61.02	Quartz vein		50							110					5 cm qtz vn
63.30	Contact	61	100	196.90	-81.20	-28.69	10.85	0	100.85						Sharp contact
63.50	Contact	61	100	196.90	-81.20	-28.69	10.85	0	100.85						Sharp contact
69.10	Shearing	70													
79.45	Upper contact	80													Sharp upper contact. Core not oriented here.
81.30	Lower contact	83													Sharp lower contact. Core not oriented here.

Orford Mining

Drill Log Report

Hole Number: QK-17-014 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Project

Project Number: Qiqavik Drilling
Date Started: juil. 31, 2017
Date Completed: août 04, 2017
Drilling Contractor: Forage G4
Survey Contractor:
Date Logged: août 3, 2017

Drilling

Making Water: N **OIH Comments:**
Gas Intersected: N
Is Hole Plugged: N
Object in Hole: N **Material LIH:**
Is Cemented: N
Is Hole Blocked:
Verified: N

Collar

NTS: 35G12 **Collar Dip:** -46.50
UTM Zone: UTM83-18 **Collar Azi:** 189.40
Lot: **Length:** 117.00
Township:
Range / Concession:
Claim Number: 2442195 **Core Size:** NQ
Collar Survey Type: DGPS and APS **Casing Status:** Left In Hole

Coordinates

UTM Coordinates
North: 6,826,292.48
East: 465,338.33
Elev: 399.57

GÉOLOGUE ROBERT CLOUTIER # 1233 QUÉBEC

Logged By

Geologist 1: Brian Belisle, Géo
Geologist 2: Arnaud Fontaine, Géo
Geologist 3:
Geologist 4:

Detailed Lithology

From	To	Lithology	Oxidation	Texture	Grain Size	Tone	Colour
0.00	22.90	**OB, Overburden**					
22.90	33.00	**V3B, Basalt**	Not Oxidized	Massive	Very Fine Grained	Dark	Grey
33.00	36.30	**I2, Intrusive Intermediate Rocks** intrudive between basalt and metasomatised basalt. the alteration begins in small fractures progressively until the completely metosomatised zone.	Not Oxidized	Massive	Medium Grained	Medium	Grey
36.30	65.20	**M15, Metasomatic Rock** metasomatised basalt with disseminated pyrite and arsenopyrite. some grey quartz veinlets <1 cm with sulphides at contact.	Not Oxidized	Massive	Very Fine Grained	Medium	grey-brown
65.20	117.00	**V3B, Basalt** basalt with disseminated pyrrhotite					

Mineralization

From	To	Type	Style	%	Comments
33.00	65.20	Sulphides	Disseminated	0.50	pyrite and arsenopyrite
65.20	117.00	Pyrrhotite	Disseminated	0.50	

Alteration

From	To	Style	Type	Intensity
33.00	39.40	Fracture/vein controlled	Rust staining	Moderate
33.00	65.20	Pervasive	Silicification	Strong
65.20	117.00	Fracture/vein controlled	Carbonatization	Weak
78.06	78.55	Fracture/vein controlled	Sericitization	Moderate
78.32	78.45	Fracture/vein controlled	Rust staining	Strong

Hole Number: QK-17-014 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Detailed Lithology

From	To	Lithology				
		Not Oxidized	Massive	Very Fine Grained	Dark	Grey

Sampling

From	To	Sample Number	Sample Type	Au (gpt)	Ag (gpt)	Cu (%)	Zn (%)	Pb (%)	Mg (%)	Fe (%)	Ca (%)
22.88	24.00	409733	ASSAY								
24.00	25.00	409734	ASSAY								
25.00	26.00	409735	ASSAY								
26.00	27.00	409736	ASSAY								
27.00	28.00	409737	ASSAY								
28.00	29.00	409738	ASSAY								
29.00	30.00	409739	ASSAY								
30.00	31.00	409741	ASSAY								
31.00	32.00	409742	ASSAY								
32.00	32.73	409743	ASSAY								
32.73	33.10	409744	ASSAY								
33.10	34.00	409745	ASSAY								
34.00	35.00	409746	ASSAY								
35.00	36.00	409747	ASSAY								
36.00	37.05	409748	ASSAY								
37.05	38.00	409749	ASSAY								
38.00	39.00	409751	ASSAY								
39.00	40.00	409752	ASSAY								
40.00	41.00	409753	ASSAY								
41.00	42.00	409754	ASSAY								
42.00	43.00	409755	ASSAY								
43.00	44.00	409756	ASSAY								
44.00	45.00	409757	ASSAY								
45.00	46.00	409758	ASSAY								
46.00	47.00	409759	ASSAY								

Hole Number: QK-17-014 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Sampling

From	To	Sample Number	Sample Type	Au (gpt)	Ag (gpt)	Cu (%)	Zn (%)	Pb (%)	Mg (%)	Fe (%)	Ca (%)
46.00	47.00	409760	DUP								
47.00	48.00	409761	ASSAY								
48.00	49.00	409762	ASSAY								
49.00	50.00	409763	ASSAY								
50.00	51.00	409764	ASSAY								
51.00	52.00	409765	ASSAY								
52.00	53.00	409766	ASSAY								
53.00	54.00	409767	ASSAY								
54.00	55.00	409768	ASSAY								
55.00	56.00	409769	ASSAY								
56.00	57.00	409771	ASSAY								
57.00	58.00	409772	ASSAY								
58.00	59.00	409773	ASSAY								
59.00	60.00	409774	ASSAY								
60.00	60.50	409775	ASSAY								
60.50	61.13	409776	ASSAY								
61.13	61.56	409777	ASSAY								
61.56	62.00	409778	ASSAY								
62.00	63.00	409779	ASSAY								
63.00	64.00	409781	ASSAY								
64.00	65.17	409782	ASSAY								
65.17	66.00	409783	ASSAY								
66.00	66.46	409784	ASSAY								
66.46	66.94	409785	ASSAY								
66.94	68.00	409786	ASSAY								
68.00	69.00	409787	ASSAY								
72.00	72.99	409788	ASSAY								
75.00	76.00	409789	ASSAY								
75.00	76.00	409790	DUP								

Hole Number: QK-17-014 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Sampling

From	To	Sample Number	Sample Type	Au (gpt)	Ag (gpt)	Cu (%)	Zn (%)	Pb (%)	Mg (%)	Fe (%)	Ca (%)
78.00	78.68	409791	ASSAY								
87.43	88.10	409792	ASSAY								
88.60	89.20	409793	ASSAY								
89.20	90.00	409794	ASSAY								
90.00	91.00	409795	ASSAY								
91.00	91.34	409796	ASSAY								
95.18	95.58	409797	ASSAY								
95.58	96.00	409798	ASSAY								
97.00	98.00	409799	ASSAY								
101.00	101.30	409801	ASSAY								
105.00	106.00	409802	ASSAY								
109.80	110.50	409803	ASSAY								
113.44	113.82	409804	ASSAY								
116.00	117.00	409805	ASSAY								

Geotechnical

From	To	Interval	Recovery	Recovery %	RQD	RQD %	Comments
11.70	12.00	0.30	0.30	100.00	0.00	0.00	N=
12.00	15.00	3.00	2.20	73.33	0.71	23.67	N=000=
21.00	24.00	3.00	3.00	100.00	1.64	54.67	N=000=
24.00	27.00	3.00	2.26	75.33	1.55	51.67	N=000=
27.00	30.00	3.00	3.50	116.67	2.38	79.33	M>001<
30.00	33.00	3.00	2.87	95.67	1.97	65.67	M>11.1<
33.00	36.00	3.00	3.00	100.00	1.46	48.67	10<111<
36.00	39.00	3.00	2.85	95.00	1.42	47.33	M>101<
39.00	42.00	3.00	2.71	90.33	1.06	35.33	M>100=
42.00	45.00	3.00	2.83	94.33	0.91	30.33	N=000=
45.00	48.00	3.00	3.05	101.67	1.11	37.00	M>001<
48.00	51.00	3.00	3.12	104.00	2.60	86.67	M>1.11<

Hole Number: QK-17-014 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Geotechnical

From	To	Interval	Recovery	Recovery %	RQD	RQD %	Comments
51.00	54.00	3.00	3.00	100.00	2.20	73.33	M>110=
54.00	57.00	3.00	2.90	96.67	1.85	61.67	N=000=
57.00	60.00	3.00	3.02	100.67	1.35	45.00	N=011<
60.00	63.00	3.00	2.85	95.00	0.75	25.00	M>1.11<
63.00	66.00	3.00	3.02	100.67	1.64	54.67	-60<111<
66.00	69.00	3.00	3.02	100.67	2.82	94.00	-4<111<
69.00	72.00	3.00	3.00	100.00	1.80	60.00	0<111<
72.00	75.00	3.00	2.99	99.67	2.72	90.67	0<111<
75.00	78.00	3.00	2.95	98.33	2.35	78.33	M>1.11<M
78.00	81.00	3.00	2.97	99.00	2.62	87.33	<111<M
81.00	84.00	3.00	3.17	105.67	2.81	93.67	<111<
84.00	87.00	3.00	2.86	95.33	2.56	85.33	-15<111<
87.00	90.00	3.00	3.02	100.67	2.62	87.33	0<111<
90.00	93.00	3.00	3.02	100.67	2.65	88.33	N=111<
93.00	96.00	3.00	3.09	103.00	1.50	50.00	M>011<
96.00	99.00	3.00	2.96	98.67	2.79	93.00	N=000<
99.00	102.00	3.00	3.09	103.00	2.74	91.33	N=000=
102.00	105.00	3.00	2.90	96.67	2.64	88.00	N<111<
105.00	108.00	3.00	3.00	100.00	2.75	91.67	0<111<
108.00	111.00	3.00	2.86	95.33	2.54	84.67	12<111<
111.00	114.00	3.00	3.15	105.00	2.72	90.67	N=000=
114.00	117.00	3.00	2.97	99.00	2.64	88.00	N<111<

Structure

From	To	Structure	Alpha	Beta	Fill Material 1	Fill Material 2	Comments
65.20	67.30	Shearing					
109.80	110.50	Brecciation			calcite		

Point Structure

Hole Number: QK-17-014 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Point Structure

At	Structure	Alpha	Beta	Core Azi	Core Dip	Calculated Dip	Calculated Strike	Apparent Dip	Dip Direction	Gamma	Joint Fill 1	Fill Material 1	Joint Fill 2	Fill Material 2	Comments
31.68	Brecciation														
33.98	Dyke	47	310	189.40	-46.50	-76.78	246.94	0	336.94						intermediate dyke; 2 cm
38.71	Quartz vein	48	95	189.40	-46.50	-54.61	334.26	0	64.26						brey black qtz vein 1 cm
45.75	Quartz vein	65													brey black qtz vein 1 cm
60.24	Dyke	55	80	189.40	-46.50	-58.29	321.00	0	51.00						intermediate dyke; 3 cm. partly altered
61.28	Dyke	25	115	189.40	-46.50	-55.24	8.49	0	98.49						intermediate dyke 2 cm. altered
87.92	Calcite vein	30	105	189.40	-46.50	-58.87	357.15	0	87.15						15 cm pink carbonate vein with calcite and qtz veln
91.22	Dyke	45	130	189.40	-46.50	-34.33	353.23	0	83.23						8 cm intermediate dyke. sharp contact
96.29	Dyke	35	275	189.40	-46.50	-68.47	218.09	0	308.09						24 cm intermediate dyke. sharp contact
101.06	Dyke	35													7 cm intermediate dyke with sharp contact
114.10	Quartz vein	15	100	189.40	-46.50	-72.35	6.00	0	96.00						2 cm qtz vn
116.50	Calcite vein	60	330	189.40	-46.50	-70.72	264.04	0	354.04						2 cm pink calcite vein

Orford Mining

Drill Log Report

Hole Number: QK-17-015 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Project

Project Number: Qiqavik Drilling
Date Started: août 01, 2017
Date Completed: août 03, 2017
Drilling Contractor: Forage G4
Survey Contractor:
Date Logged: août 3, 2017

Drilling

Making Water: N **OIH Comments:**
Gas Intersected: N
Is Hole Plugged: N
Object in Hole: N **Material LIH:**
Is Cemented: N
Is Hole Blocked:
Verified: N

Collar

NTS: 35G12 **Collar Dip:** -44.70
UTM Zone: UTM83-18 **Collar Azi:** 198.10
Lot: **Length:** 93.00
Township:
Range / Concession:
Claim Number: 2442184 **Core Size:** NQ
Collar Survey Type: DGPS and APS **Casing Status:** Left In Hole

Coordinates

UTM Coordinates
North: 6,832,118.22
East: 457,241.10
Elev: 303.81

Logged By

Geologist 1: Brian Belisle, Géo
Geologist 2: Arnaud Fontaine, Géo
Geologist 3:
Geologist 4:

Detailed Lithology

From	To	Lithology	Oxidation	Texture	Grain Size	Tone	Colour
0.00	5.70	**OB, Overburden**					
5.70	63.00	**V3B, Basalt** phyric plagio basalt. really small stringers of pyrrhotite.	Not Oxidized	Plagioclase phyric	Very Fine Grained	Dark	Grey
63.00	70.30	**V3B, Basalt** basalt with sulphides stringers. mainly pyrrhotite.	Not Oxidized		Very Fine Grained	Dark	Grey
70.30	75.00	**I4, Intrusive Ultramafic/Ultrabasic Rocks**	Not Oxidized	Massive	Fine Grained	Dark	grey-green
75.00	79.00	**V3B, Basalt** basalt with sulphides stringers. mainly pyrrhotite.	Not Oxidized		Very Fine Grained	Dark	Grey

Mineralization

From	To	Type	Style	%	Comments
5.70	63.00	Pyrrhotite	Stringer	0.50	small stringers all over with larger ones locally
63.00	70.30	Sulphides	Stringer	2.00	sulphide stringers. pyrrhotite mainly
75.00	80.00	Sulphides	Stringer	2.00	sulphide stringers. pyrrhotite mainly
78.00	78.10	Arsenopyrite	Patchy	5.00	
80.00	93.00	Sulphides	Disseminated	0.50	pyrite; pyrrhotite

Alteration

From	To	Style	Type	Intensity
5.70	93.00	Fracture/vein controlled	Carbonatization	Weak
32.13	32.26	Fracture/vein controlled	Sericitization	Strong
62.50	63.40	Fracture/vein controlled	Sericitization	Moderate

Hole Number: QK-17-015 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Detailed Lithology

From	To	Lithology
79.00	93.00	**V3B, Basalt** phyric plagio basalt

Oxidation	Texture	Grain Size	Tone	Colour
Not Oxidized	Plagioclase phyric	Very Fine Grained	Dark	Grey

Sampling

From	To	Sample Number	Sample Type	Au (gpt)	Ag (gpt)	Cu (%)	Zn (%)	Pb (%)	Mg (%)	Fe (%)	Ca (%)
14.00	14.30	409696	ASSAY								
16.27	16.94	409697	ASSAY								
21.00	21.80	409698	ASSAY								
24.53	25.00	409699	ASSAY								
26.50	27.00	409701	ASSAY								
28.98	29.28	409702	ASSAY								
32.00	32.50	409703	ASSAY								
36.00	36.30	409704	ASSAY								
38.00	39.00	409705	ASSAY								
39.00	40.00	409706	ASSAY								
41.56	42.00	409707	ASSAY								
45.92	46.22	409708	ASSAY								
52.29	52.66	409709	ASSAY								
54.00	55.00	409711	ASSAY								
62.50	63.40	409712	ASSAY								
65.83	66.24	409713	ASSAY								
66.24	67.24	409714	ASSAY								
67.24	67.82	409715	ASSAY								
67.82	68.80	409716	ASSAY								
68.80	69.50	409717	ASSAY								
69.50	70.30	409718	ASSAY								
72.00	73.00	409719	ASSAY								

Hole Number: QK-17-015 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Sampling

From	To	Sample Number	Sample Type	Au (gpt)	Ag (gpt)	Cu (%)	Zn (%)	Pb (%)	Mg (%)	Fe (%)	Ca (%)
72.00	73.00	409720	DUP								
76.00	76.70	409721	ASSAY								
76.70	77.42	409722	ASSAY								
77.42	77.92	409723	ASSAY								
77.92	78.50	409724	ASSAY								
78.52	79.15	409725	ASSAY								
79.15	79.75	409726	ASSAY								
84.58	84.92	409727	ASSAY								
89.00	90.00	409728	ASSAY								
90.00	91.00	409729	ASSAY								
91.00	92.00	409731	ASSAY								
92.00	93.00	409732	ASSAY								

Geotechnical

From	To	Interval	Recovery	Recovery %	RQD	RQD %	Comments
5.70	6.00	0.30	0.30	100.00	0.00	0.00	N=
6.00	9.00	3.00	2.77	92.33	1.28	42.67	N=000=
9.00	12.00	3.00	2.90	96.67	2.00	66.67	N=001<
12.00	15.00	3.00	3.00	100.00	1.67	55.67	M>11.1<
15.00	18.00	3.00	2.90	96.67	2.08	69.33	N=000<
18.00	21.00	3.00	3.00	100.00	1.49	49.67	M>110<M
21.00	24.00	3.00	2.90	96.67	1.58	52.67	<111<
24.00	27.00	3.00	2.94	98.00	1.11	37.00	M>110=
27.00	30.00	3.00	3.12	104.00	1.66	55.33	N=000=
30.00	33.00	3.00	3.00	100.00	2.48	82.67	N=000=
33.00	36.00	3.00	3.00	100.00	2.27	75.67	N=000<
36.00	39.00	3.00	2.90	96.67	2.48	82.67	M>111>
39.00	42.00	3.00	3.00	100.00	2.02	67.33	M>1.11<
42.00	45.00	3.00	2.97	99.00	2.76	92.00	M>111=

Hole Number: QK-17-015 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Geotechnical

From	To	Interval	Recovery	Recovery %	RQD	RQD %	Comments
45.00	48.00	3.00	3.03	101.00	2.52	84.00	N=111<
48.00	51.00	3.00	2.93	97.67	2.90	96.67	-20<111<
51.00	54.00	3.00	2.82	94.00	2.05	68.33	146<111<
54.00	57.00	3.00	3.14	104.67	2.51	83.67	0<111<M
57.00	60.00	3.00	3.03	101.00	2.43	81.00	<111<M
60.00	63.00	3.00	3.05	101.67	2.81	93.67	<111<
63.00	66.00	3.00	2.92	97.33	2.02	67.33	M>110=
66.00	69.00	3.00	3.00	100.00	2.05	68.33	N=111<M
69.00	72.00	3.00	2.96	98.67	1.45	48.33	<111<
72.00	75.00	3.00	3.00	100.00	2.04	68.00	M>111=
75.00	78.00	3.00	2.97	99.00	2.24	74.67	N=000=
78.00	81.00	3.00	2.86	95.33	0.93	31.00	N=001<
81.00	84.00	3.00	3.00	100.00	1.59	53.00	-80<111<
84.00	87.00	3.00	2.93	97.67	1.54	51.33	M>100<
87.00	90.00	3.00	3.00	100.00	1.87	62.33	85<111<
90.00	93.00	3.00	2.88	96.00	1.59	53.00	M>11.1<

Structure

From	To	Structure	Alpha	Beta	Fill Material 1	Fill Material 2	Comments
79.50	79.75	Quartz vein					qtz vn with pyrrhotite
84.58	84.92	Foliation					
90.50	93.00	Foliation	55.00	270.00			

Point Structure

At	Structure	Alpha	Beta	Core Azi	Core Dip	Calculated Dip	Calculated Strike	Apparent Dip	Dip Direction	Gamma	Joint Fill 1	Fill Material 1	Joint Fill 2	Fill Material 2	Comments
24.90	Quartz vein	45	200	198.10	-44.70	-14.15	206.39	0	296.39						3 cm qtz vn with pyrrhotite
27.85	Quartz vein														2 cm white qtz vn
29.05	Calcite vein														3 cm calcite vn with quartz and pyrrhotite

Orford Mining

Drill Log Report

Hole Number: QK-17-015 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Point Structure

At	Structure	Alpha	Beta	Core Azi	Core Dip	Calculated Dip	Calculated Strike	Apparent Dip	Dip Direction	Gamma	Joint Fill 1	Fill Material 1	Joint Fill 2	Fill Material 2	Comments
32.43	Calcite vein	42													2 cm pink calcite
36.11	Calcite vein	90													2 cm
46.05	Calcite vein	30	90	198.10	-44.70	-69.41	355.79	0	85.79						2 cm
54.16	Quartz vein	42													3 cm
54.80	Quartz vein	60													3 cm
59.06	Calcite vein	15	20	198.10	-44.70	-62.41	129.99	0	219.99						2 cm
79.85	Quartz vein	55													3 cm
91.75	Foliation	55	270	198.10	-44.70	-54.82	243.53	0	333.53						Measurement of Struture Table

Orford Mining

Drill Log Report

Hole Number: QK-17-016 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Project

Project Number: Qiqavik Drilling
Date Started: août 03, 2017
Date Completed: août 03, 2017
Drilling Contractor: Forage G4
Survey Contractor:
Date Logged: août 4, 2017

Drilling

Making Water: N **OIH Comments:**
Gas Intersected: N
Is Hole Plugged: N
Object in Hole: N **Material LIH:**
Is Cemented: N
Is Hole Blocked:
Verified: N

Collar

NTS: 35G12 **Collar Dip:** -80.00
UTM Zone: UTM83-18 **Collar Azi:** 198.10
Lot: **Length:** 73.00
Township:
Range / Concession:
Claim Number: 2442184 **Core Size:** NQ
Collar Survey Type: DGPS and APS **Casing Status:** Left In Hole

Coordinates

UTM Coordinates
North: 6,832,119.31
East: 457,241.41
Elev: 303.64

Logged By

Geologist 1: Brian Belisle, Géo
Geologist 2: Arnaud Fontaine, Géo
Geologist 3:
Geologist 4:

GÉOLOGUE ROBERT CLOUTIER # 1233 QUÉBEC

Comments: Hole drilled at 80 degrees because the drill could not move due to the weather

Detailed Lithology

From	To	Lithology	Oxidation	Texture	Grain Size	Tone	Colour
0.00	3.45	**OB, Overburden**					
3.45	73.00	**V3B, Basalt** phyric plagio basalt	Not Oxidized	Plagioclase phyric	Very Fine Grained	Dark	Grey

Mineralization

From	To	Type	Style	%
15.50	20.00	Pyrrhotite	Stringer	2.00
61.50	62.70	Pyrrhotite	Stringer	1.00

Alteration

From	To	Style	Type	Intensity
3.45	73.00	Fracture/vein controlled	Carbonatization	Weak

Sampling

From	To	Sample Number	Sample Type	Au (gpt)	Ag (gpt)	Cu (%)	Zn (%)	Pb (%)	Mg (%)	Fe (%)	Ca (%)
8.00	9.00	409806	ASSAY								
11.00	12.00	409807	ASSAY								
15.51	16.00	409808	ASSAY								
16.00	16.81	409809	ASSAY								
18.00	18.99	409811	ASSAY								
18.99	19.34	409812	ASSAY								
19.34	20.00	409813	ASSAY								

Hole Number: QK-17-016 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Sampling

From	To	Sample Number	Sample Type	Au (gpt)	Ag (gpt)	Cu (%)	Zn (%)	Pb (%)	Mg (%)	Fe (%)	Ca (%)
25.00	26.00	409814	ASSAY								
26.00	27.00	409815	ASSAY								
33.00	34.00	409816	ASSAY								
38.00	38.38	409817	ASSAY								
39.00	39.69	409818	ASSAY								
48.00	49.00	409819	ASSAY								
55.00	56.10	409821	ASSAY								
61.47	62.56	409822	ASSAY								
67.00	68.00	409823	ASSAY								

Geotechnical

From	To	Interval	Recovery	Recovery %	RQD	RQD %	Comments
3.49	6.00	2.51	2.51	100.00	1.34	53.39	N=011<
6.00	9.00	3.00	3.09	103.00	2.82	94.00	M>.111<
9.00	12.00	3.00	3.11	103.67	2.91	97.00	-100<111<
12.00	15.00	3.00	2.81	93.67	2.46	82.00	-15<111<
15.00	18.00	3.00	3.15	105.00	2.99	99.67	-5<111<
18.00	21.00	3.00	2.97	99.00	2.56	85.33	5<111<
21.00	24.00	3.00	2.85	95.00	2.63	87.67	10<111<
24.00	27.00	3.00	3.07	102.33	2.49	83.00	-10<111<
27.00	30.00	3.00	3.02	100.67	2.69	89.67	0<111<
30.00	33.00	3.00	2.84	94.67	2.56	85.33	M>111>
33.00	36.00	3.00	3.07	102.33	2.67	89.00	M>11.1<
36.00	39.00	3.00	2.98	99.33	2.24	74.67	-25<111<
39.00	42.00	3.00	3.08	102.67	2.38	79.33	N=000=
42.00	45.00	3.00	3.01	100.33	2.49	83.00	N=000=
45.00	48.00	3.00	2.91	97.00	2.12	70.67	N=000=
48.00	51.00	3.00	2.88	96.00	2.74	91.33	N=000=
51.00	54.00	3.00	3.03	101.00	2.55	85.00	N=000=

Hole Number: QK-17-016 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Geotechnical

From	To	Interval	Recovery	Recovery %	RQD	RQD %	Comments
54.00	57.00	3.00	2.98	99.33	2.30	76.67	N=000<
57.00	60.00	3.00	2.90	96.67	1.56	52.00	N=000<
60.00	63.00	3.00	2.96	98.67	2.18	72.67	M>000<
63.00	66.00	3.00	3.07	102.33	2.51	83.67	N<111<
66.00	69.00	3.00	2.69	89.67	1.05	35.00	M>000=
69.00	72.00	3.00	2.93	97.67	0.75	25.00	N=000=
72.00	73.00	1.00	0.70	70.00	0.22	22.00	N=0=

Structure

From	To	Structure	Alpha	Beta	Fill Material 1	Fill Material 2	Comments
23.20	23.30	Shearing	55.00	260.00			
35.66	37.40	Foliation	60.00	340.00			
39.25	41.05	Shearing					couple 4-5 cm interval of shear
67.27	73.00	Fault					

Point Structure

At	Structure	Alpha	Beta	Core Azi	Core Dip	Calculated Dip	Calculated Strike	Apparent Dip	Dip Direction	Gamma	Joint Fill 1	Fill Material 1	Joint Fill 2	Fill Material 2	Comments
6.06	Quartz vein	60	85	198.10	-80.00	-32.30	356.89	0	86.89						some pyrite in 5 cm qtz vein
21.56	Quartz vein	65	90	198.10	-80.00	-26.81	357.68	0	87.68						2 cm white qtz vein
23.25	Shearing	55	260	198.10	-80.00	-34.51	202.57	0	292.57						Measurement of Struture Table
25.64	Calcite vein	90													2 cm
25.72	Quartz vein	45	180	198.10	-80.00	-35.00	108.10	0	198.10						2 cm qtz vein with pyrrhotite
26.22	Calcite vein	50	340	198.10	-80.00	-49.49	271.29	0	1.29						1 cm
27.65	Quartz vein	40	170	198.10	-80.00	-40.18	96.20	0	186.20						2 cm white qtz vein
28.21	Quartz vein	70	160	198.10	-80.00	-11.12	70.76	0	160.76						6 cm white qtz vein
31.00	Calcite vein	38	15	198.10	-80.00	-61.70	301.49	0	31.49						6 cm
31.97	Calcite vein	60	330	198.10	-80.00	-38.95	264.67	0	354.67						2 cm
36.53	Foliation	60	340	198.10	-80.00	-39.53	272.51	0	2.51						Measurement of Struture Table

Hole Number: QK-17-016 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Point Structure

At	Structure	Alpha	Beta	Core Azi	Core Dip	Calculated Dip	Calculated Strike	Apparent Dip	Dip Direction	Gamma	Joint Fill 1	Fill Material 1	Joint Fill 2	Fill Material 2	Comments
50.75	Flow banding	90													
52.16	Flow banding	90													

Orford Mining

Drill Log Report

Hole Number: QK-17-017 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Project

Project Number: Qiqavik Drilling
Date Started: août 04, 2017
Date Completed: août 07, 2017
Drilling Contractor: Forage G4
Survey Contractor:
Date Logged: août 7, 2017

Drilling

Making Water: N **OIH Comments:**
Gas Intersected: N
Is Hole Plugged: N
Object in Hole: N **Material LIH:**
Is Cemented: N
Is Hole Blocked:
Verified: N

Collar

NTS: 35G12 **Collar Dip:** -45.00
UTM Zone: UTM83-18 **Collar Azi:** 233.00
Lot: **Length:** 162.00
Township:
Range / Concession:
Claim Number: 2442195 **Core Size:** NQ
Collar Survey Type: DGPS and APS **Casing Status:** Left In Hole

Coordinates

UTM Coordinates
North: 6,826,308.69
East: 465,374.20
Elev: 399.22

GÉOLOGUE ROBERT CLOUTIER # 1233 QUÉBEC

Logged By

Geologist 1: Brian Belisle, Géo
Geologist 2: Arnaud Fontaine, Géo
Geologist 3:
Geologist 4:

Detailed Lithology

From	To	Lithology	Oxidation	Texture	Grain Size	Tone	Colour
0.00	5.75	**OB, Overburden**					
5.75	11.70	**V3B, Basalt**	Not Oxidized	Massive	Very Fine Grained	Dark	Grey
11.70	15.60	**M15, Metasomatic Rock**	Not Oxidized		Very Fine Grained	Light	Grey
15.60	32.55	**V3B, Basalt**	Not Oxidized	Massive	Very Fine Grained	Dark	Grey
32.55	37.30	**M15, Metasomatic Rock**	Not Oxidized		Very Fine Grained	Light	Grey

Mineralization

From	To	Type	Style	%	Comments
5.75	51.20	Sulphides	Disseminated	0.50	disseminated sulphides. mainly pyrite
63.18	162.00	Sulphides	Disseminated	0.50	disseminated sulphides. mainly pyrite
85.00	86.00	Arsenopyrite	Disseminated	3.00	acycular arsenopyrite on 1 m

Alteration

From	To	Style	Type	Intensity
5.75	162.00	Fracture/vein controlled	Carbonatization	Weak
10.20	15.60	Fracture/vein controlled	Silicification	Moderate
32.30	42.90	Fracture/vein controlled	Silicification	Moderate
42.90	75.05	Pervasive	Silicification	Strong
120.00	121.15	Fracture/vein controlled	Sericitization	Moderate

Hole Number: QK-17-017 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Detailed Lithology

From	To	Lithology	Oxidation	Texture	Grain Size	Tone	Colour
37.30	42.90	**V3B, Basalt** fractured basalt with metasomatisation starting in fractures.	Not Oxidized	Massive	Very Fine Grained	Dark	Grey
42.90	51.20	**M15, Metasomatic Rock**	Not Oxidized		Very Fine Grained	Medium	grey-brown
51.20	63.18	**I1C, Granodiorite** silicified granodiorite. more altered on top decreasing down hole. not altered at bottom contact. Very little quartz	Not Oxidized	Massive	Fine Grained	Dark	grey-brown
63.18	75.05	**M15, Metasomatic Rock** metasomatised basalt	Not Oxidized		Very Fine Grained	Medium	brown
75.05	162.00	**V3B, Basalt**	Not Oxidized	Massive	Very Fine Grained	Dark	Grey

Sampling

From	To	Sample Number	Sample Type	Au (gpt)	Ag (gpt)	Cu (%)	Zn (%)	Pb (%)	Mg (%)	Fe (%)	Ca (%)
10.00	11.00	409875	ASSAY								
11.00	12.00	409876	ASSAY								
12.00	13.00	409877	ASSAY								
13.00	14.00	409878	ASSAY								
14.00	15.00	409879	ASSAY								

Hole Number: QK-17-017 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Sampling

From	To	Sample Number	Sample Type	Au (gpt)	Ag (gpt)	Cu (%)	Zn (%)	Pb (%)	Mg (%)	Fe (%)	Ca (%)
15.00	15.71	409881	ASSAY								
19.00	20.00	409882	ASSAY								
21.00	22.00	409883	ASSAY								
22.00	23.00	409884	ASSAY								
23.00	24.00	409885	ASSAY								
24.00	25.00	409886	ASSAY								
28.00	29.00	409887	ASSAY								
29.00	30.10	409888	ASSAY								
30.10	31.28	409889	ASSAY								
32.60	34.00	409891	ASSAY								
34.00	35.00	409892	ASSAY								
35.00	36.00	409893	ASSAY								
36.00	37.00	409894	ASSAY								
37.00	38.00	409895	ASSAY								
38.00	39.00	409896	ASSAY								
39.00	40.00	409897	ASSAY								
40.00	41.00	409898	ASSAY								
41.00	42.00	409899	ASSAY								
42.00	43.00	409900	DUP								
42.00	43.00	409901	ASSAY								
43.00	44.00	409902	ASSAY								
44.00	45.00	409903	ASSAY								
45.00	46.00	409904	ASSAY								
46.00	47.00	409905	ASSAY								
47.00	48.00	409906	ASSAY								
48.00	49.00	409907	ASSAY								
49.00	50.00	409908	ASSAY								
50.00	51.20	409909	ASSAY								
51.20	52.00	409911	ASSAY								

Hole Number: QK-17-017 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Sampling

From	To	Sample Number	Sample Type	Au (gpt)	Ag (gpt)	Cu (%)	Zn (%)	Pb (%)	Mg (%)	Fe (%)	Ca (%)
52.00	53.00	409912	ASSAY								
53.00	54.00	409913	ASSAY								
54.00	55.00	409914	ASSAY								
55.00	56.00	409915	ASSAY								
56.00	57.00	409916	ASSAY								
57.00	58.00	409917	ASSAY								
58.00	59.00	409918	ASSAY								
59.00	60.00	409919	ASSAY								
60.00	61.00	409921	ASSAY								
61.00	62.00	409922	ASSAY								
62.00	63.18	409923	ASSAY								
63.18	64.00	409924	ASSAY								
64.00	65.00	409925	ASSAY								
65.00	66.00	409926	ASSAY								
66.00	67.00	409927	ASSAY								
67.00	68.00	409928	ASSAY								
68.00	69.00	409929	ASSAY								
68.00	69.00	409930	DUP								
69.00	69.81	409931	ASSAY								
69.81	71.00	409932	ASSAY								
71.00	72.00	409933	ASSAY								
72.00	73.00	409934	ASSAY								
73.00	74.00	409935	ASSAY								
74.00	75.05	409936	ASSAY								
75.05	76.00	409937	ASSAY								
76.00	77.00	409938	ASSAY								
77.00	78.00	409939	ASSAY								
78.00	79.00	409941	ASSAY								
79.00	79.56	409942	ASSAY								

Hole Number: QK-17-017 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Sampling

From	To	Sample Number	Sample Type	Au (gpt)	Ag (gpt)	Cu (%)	Zn (%)	Pb (%)	Mg (%)	Fe (%)	Ca (%)
79.56	81.00	409943	ASSAY								
81.00	82.00	409944	ASSAY								
82.00	83.00	409945	ASSAY								
83.00	84.00	409946	ASSAY								
84.00	85.00	409947	ASSAY								
85.00	85.30	409948	ASSAY								
85.30	86.00	409949	ASSAY								
86.00	87.00	409951	ASSAY								
91.86	93.00	409952	ASSAY								
96.00	97.00	409953	ASSAY								
101.00	102.00	409954	ASSAY								
104.00	105.00	409955	ASSAY								
116.00	117.00	409956	ASSAY								
120.00	121.15	409957	ASSAY								
131.00	132.00	409958	ASSAY								
135.00	136.00	409959	ASSAY								
135.00	136.00	409960	DUP								
142.00	143.00	409961	ASSAY								
152.00	153.00	409962	ASSAY								
154.00	155.29	409963	ASSAY								

Geotechnical

From	To	Interval	Recovery	Recovery %	RQD	RQD %	Comments
5.75	9.00	3.25	2.88	88.62	1.33	40.92	N=000=
9.00	12.00	3.00	3.02	100.67	2.00	66.67	N=000=
12.00	15.00	3.00	2.01	67.00	1.74	58.00	N=000=
15.00	18.00	3.00	2.97	99.00	2.10	70.00	N=111<M
18.00	21.00	3.00	2.83	94.33	2.40	80.00	<111<
21.00	24.00	3.00	3.12	104.00	1.52	50.67	M>1.11<

Hole Number: QK-17-017 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Geotechnical

From	To	Interval	Recovery	Recovery %	RQD	RQD %	Comments
24.00	27.00	3.00	3.10	103.33	1.47	49.00	M>101<
27.00	30.00	3.00	3.18	106.00	2.37	79.00	0<111<
30.00	33.00	3.00	3.04	101.33	2.32	77.33	0<111<
33.00	36.00	3.00	2.89	96.33	2.56	85.33	-55<111<
36.00	39.00	3.00	3.05	101.67	0.76	25.33	M>100=
39.00	42.00	3.00	3.00	100.00	0.82	27.33	N=000=
42.00	45.00	3.00	3.06	102.00	0.15	5.00	N=000=
45.00	48.00	3.00	3.09	103.00	1.85	61.67	N=000=
48.00	51.00	3.00	2.60	86.67	0.64	21.33	N=000=
51.00	54.00	3.00	3.40	113.33	1.64	54.67	N=000=
54.00	57.00	3.00	3.03	101.00	1.98	66.00	N=000=
57.00	60.00	3.00	2.93	97.67	2.32	77.33	N=001<
60.00	63.00	3.00	3.03	101.00	2.72	90.67	0<111<
63.00	66.00	3.00	3.13	104.33	2.10	70.00	M>001<
66.00	69.00	3.00	2.92	97.33	2.36	78.67	M>110=
69.00	72.00	3.00	3.10	103.33	2.33	77.67	N=011<
72.00	75.00	3.00	3.11	103.67	2.36	78.67	N=000=
75.00	78.00	3.00	2.96	98.67	2.06	68.67	N=000=
78.00	81.00	3.00	2.99	99.67	2.50	83.33	N=111<
81.00	84.00	3.00	3.04	101.33	2.60	86.67	-100<111<
84.00	87.00	3.00	3.05	101.67	2.68	89.33	-20<111<
87.00	90.00	3.00	2.90	96.67	2.46	82.00	0<111<
90.00	93.00	3.00	2.95	98.33	2.61	87.00	5<111<
93.00	96.00	3.00	3.08	102.67	2.73	91.00	M>11>15<1<
96.00	99.00	3.00	2.85	95.00	2.60	86.67	M>111>
99.00	102.00	3.00	3.04	101.33	2.44	81.33	M>11.1<
102.00	105.00	3.00	3.00	100.00	2.55	85.00	-5<111<
105.00	108.00	3.00	2.95	98.33	2.05	68.33	M>111.<

Hole Number: QK-17-017 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Geotechnical

From	To	Interval	Recovery	Recovery %	RQD	RQD %	Comments
108.00	111.00	3.00	3.00	100.00	1.71	57.00	M>111.<
111.00	114.00	3.00	3.10	103.33	2.23	74.33	-20<111<
114.00	117.00	3.00	2.94	98.00	2.60	86.67	15<111<
117.00	120.00	3.00	3.10	103.33	2.46	82.00	-10<111<
120.00	123.00	3.00	2.88	96.00	2.34	78.00	0<111<
123.00	126.00	3.00	3.10	103.33	2.48	82.67	18<111<
126.00	129.00	3.00	2.95	98.33	2.42	80.67	M>101<
129.00	132.00	3.00	2.95	98.33	2.05	68.33	M>1.11<
132.00	135.00	3.00	3.00	100.00	2.30	76.67	M>11.1<
135.00	138.00	3.00	3.00	100.00	2.38	79.33	-40<111<
138.00	141.00	3.00	3.00	100.00	2.60	86.67	110<111<
141.00	144.00	3.00	3.10	103.33	2.30	76.67	M>1.11<
144.00	147.00	3.00	3.00	100.00	2.80	93.33	M>1.11<
147.00	150.00	3.00	3.00	100.00	2.82	94.00	20<111<
150.00	153.00	3.00	2.90	96.67	2.65	88.33	10<111<
153.00	156.00	3.00	3.05	101.67	2.80	93.33	-30<111<
156.00	159.00	3.00	2.90	96.67	2.20	73.33	M>111=
159.00	162.00	3.00	2.87	95.67	2.46	82.00	-120<111<

Structure

From	To	Structure	Alpha	Beta	Fill Material 1	Fill Material 2	Comments
32.20	49.50	Fracturing					metasomatization in fratures
69.81	71.00	Dyke					granodiorite dyke
153.53	155.29	Shearing	65.00	280.00			

Point Structure

At	Structure	Alpha	Beta	Core Azi	Core Dip	Calculated Dip	Calculated Strike	Apparent Dip	Dip Direction	Gamma	Joint Fill 1	Fill Material 1	Joint Fill 2	Fill Material 2	Comments
24.39	Calcite vein	47	295	233.00	-45.00	-71.74	282.39	0	12.39						5 cm calcite vein

Hole Number: QK-17-017 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Point Structure

At	Structure	Alpha	Beta	Core Azi	Core Dip	Calculated Dip	Calculated Strike	Apparent Dip	Dip Direction	Gamma	Joint Fill 1	Fill Material 1	Joint Fill 2	Fill Material 2	Comments
29.90	Calcite vein	10	285	233.00	-45.00	-86.71	70.67	0	160.67						2 cm qtz vein. pre fracturing vein
75.83	Dyke	60													granodiorite dyke
79.25	Dyke		25							180					granodiorite dyke
120.95	Quartz veln	20	90	233.00	-45.00	-76.00	38.57	0	128.57						
154.41	Shearing	65	280	233.00	-45.00	-53.92	292.00	0	22.00						Measurement of Struture Table

Orford Mining

Drill Log Report

Hole Number: QK-17-018 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Project

Project Number: Qiqavik Drilling
Date Started: août 04, 2017
Date Completed: août 06, 2017
Drilling Contractor: Forage G4
Survey Contractor:
Date Logged: août 6, 2017

Drilling

Making Water: N **OIH Comments:**
Gas Intersected: N
Is Hole Plugged: N
Object in Hole: N **Material LIH:**
Is Cemented: N
Is Hole Blocked:
Verified: N

Collar

NTS: 35G12 **Collar Dip:** -45.40
UTM Zone: UTM83-18 **Collar Azi:** 199.60
Lot: **Length:** 138.00
Township:
Range / Concession:
Claim Number: 2457132 **Core Size:** NQ
Collar Survey Type: DGPS and APS **Casing Status:** Left In Hole

Coordinates

UTM Coordinates
North: 6,832,429.40
East: 456,635.39
Elev: 277.61

Logged By

Geologist 1: Brian Belisle, Géo
Geologist 2: Arnaud Fontaine, Géo
Geologist 3:
Geologist 4:

Detailed Lithology

From	To	Lithology	Oxidation	Texture	Grain Size	Tone	Colour
0.00	5.86	**OB, Overburden**					
5.86	9.60	**V3B, Basalt**	Not Oxidized	Plagioclase phyric	Very Fine Grained	Dark	Grey
9.60	11.70	**I3, Intrusive Mafic Rocks** The mafic dyke cross-cuts the foliation of the shearing	Not Oxidized	Massive	Fine Grained	Dark	Grey
11.70	22.80	**ShrZ, Shear Zone** sheared basalt. healed	Not Oxidized	Sheared	Very Fine Grained	Dark	Grey
22.80	26.00	**I3, Intrusive Mafic Rocks**	Not Oxidized	Massive	Fine Grained	Dark	grey-green

Mineralization

From	To	Type	Style	%	Comments
5.86	28.00	Sulphides	Disseminated	0.30	mainly pyrite
28.00	138.00	Sulphides	Disseminated	0.50	mainly pyrte. some chalco
65.20	65.25	Pyrrhotite	Stringer	75.00	pyrrhotite stringer. could explain the anomaly

Alteration

From	To	Style	Type	Intensity
5.86	135.00	Fracture/vein controlled	Carbonatization	Moderate
83.40	84.70	Fracture/vein controlled	Sericitization	Strong

Hole Number: QK-17-018 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Detailed Lithology

From	To	Lithology
26.00	138.00	**V3B, Basalt**

Oxidation	Texture	Grain Size	Tone	Colour
Not Oxidized	Plagioclase phyric	Very Fine Grained	Dark	Grey

Sampling

From	To	Sample Number	Sample Type	Au (gpt)	Ag (gpt)	Cu (%)	Zn (%)	Pb (%)	Mg (%)	Fe (%)	Ca (%)
8.15	9.00	409824	ASSAY								
9.00	9.60	409825	ASSAY								
9.60	11.00	409826	ASSAY								
11.00	11.71	409827	ASSAY								
11.71	12.00	409828	ASSAY								
12.00	13.00	409829	ASSAY								
13.00	14.00	409831	ASSAY								
14.00	15.00	409832	ASSAY								
15.00	16.00	409833	ASSAY								
16.00	17.00	409834	ASSAY								
17.00	18.00	409835	ASSAY								
18.00	19.00	409836	ASSAY								
19.00	20.00	409837	ASSAY								
20.00	21.00	409838	ASSAY								
21.00	22.00	409839	ASSAY								
22.00	22.80	409841	ASSAY								
22.80	24.00	409842	ASSAY								
24.00	25.50	409843	ASSAY								
25.50	26.80	409844	ASSAY								
26.80	28.00	409845	ASSAY								
28.00	29.00	409846	ASSAY								
29.00	30.00	409847	ASSAY								

Hole Number: QK-17-018 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Sampling

From	To	Sample Number	Sample Type	Au (gpt)	Ag (gpt)	Cu (%)	Zn (%)	Pb (%)	Mg (%)	Fe (%)	Ca (%)
34.00	35.00	409848	ASSAY								
36.61	37.20	409849	ASSAY								
36.61	37.20	409850	DUP								
38.55	39.25	409851	ASSAY								
44.00	45.00	409852	ASSAY								
46.00	47.00	409853	ASSAY								
50.00	51.00	409854	ASSAY								
53.00	54.00	409855	ASSAY								
56.00	57.00	409856	ASSAY								
61.00	62.00	409857	ASSAY								
65.00	66.00	409858	ASSAY								
69.00	70.00	409859	ASSAY								
74.40	75.50	409861	ASSAY								
77.22	78.22	409862	ASSAY								
82.00	83.00	409863	ASSAY								
83.40	84.70	409864	ASSAY								
85.00	86.00	409865	ASSAY								
86.00	87.00	409866	ASSAY								
95.00	96.00	409867	ASSAY								
99.70	100.60	409868	ASSAY								
108.00	109.00	409869	ASSAY								
113.00	114.00	409871	ASSAY								
119.00	119.00	409872	ASSAY								
129.00	130.00	409873	ASSAY								
136.00	137.00	409874	ASSAY								

Geotechnical

From	To	Interval	Recovery	Recovery %	RQD	RQD %	Comments
5.86	9.00	3.14	3.14	100.00	2.31	73.57	N=000<
9.00	12.00	3.00	2.99	99.67	2.71	90.33	-160<111<

Hole Number: QK-17-018 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Geotechnical

From	To	Interval	Recovery	Recovery %	RQD	RQD %	Comments
12.00	15.00	3.00	3.00	100.00	1.97	65.67	M>1.11<
15.00	18.00	3.00	3.02	100.67	2.49	83.00	-20<111<
18.00	21.00	3.00	2.96	98.67	1.88	62.67	M>101<
21.00	24.00	3.00	3.08	102.67	2.36	78.67	M>101<
24.00	27.00	3.00	2.72	90.67	1.43	47.67	M>000=
27.00	30.00	3.00	3.03	101.00	1.78	59.33	N=000<
30.00	33.00	3.00	3.08	102.67	2.79	93.00	-40<111<
33.00	36.00	3.00	3.06	102.00	2.94	98.00	0<111<
36.00	39.00	3.00	3.05	101.67	2.73	91.00	130<111<
39.00	42.00	3.00	3.05	101.67	2.89	96.33	N<111<
42.00	45.00	3.00	2.91	97.00	2.43	81.00	-7<111<
45.00	48.00	3.00	3.11	103.67	2.91	97.00	0<111<
48.00	51.00	3.00	2.86	95.33	2.21	73.67	-60<111<
51.00	54.00	3.00	2.95	98.33	2.85	95.00	N=000=
54.00	57.00	3.00	2.93	97.67	2.28	76.00	N=000<
57.00	60.00	3.00	2.94	98.00	2.83	94.33	M>111>
60.00	63.00	3.00	3.20	106.67	3.09	103.00	M>11.1<M
63.00	66.00	3.00	3.07	102.33	2.82	94.00	<111<
66.00	69.00	3.00	3.00	100.00	2.33	77.67	M>1.11<
69.00	72.00	3.00	2.95	98.33	2.68	89.33	-42<111<
72.00	75.00	3.00	2.97	99.00	2.68	89.33	-30<111<
75.00	78.00	3.00	3.06	102.00	2.69	89.67	-12<111<
78.00	81.00	3.00	2.96	98.67	2.65	88.33	-20<111<
81.00	84.00	3.00	3.05	101.67	2.48	82.67	<111<
84.00	87.00	3.00	2.94	98.00	2.27	75.67	M>.111<
87.00	90.00	3.00	2.91	97.00	2.05	68.33	M>100=
90.00	93.00	3.00	3.04	101.33	1.78	59.33	N=000=
93.00	96.00	3.00	3.01	100.33	1.87	62.33	N=000<

Hole Number: QK-17-018 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Geotechnical

From	To	Interval	Recovery	Recovery %	RQD	RQD %	Comments
96.00	99.00	3.00	3.01	100.33	2.02	67.33	M>000<
99.00	102.00	3.00	3.00	100.00	2.08	69.33	M>11.1<
102.00	105.00	3.00	2.98	99.33	2.33	77.67	0<111<
105.00	108.00	3.00	3.07	102.33	2.88	96.00	0<111<
108.00	111.00	3.00	2.84	94.67	2.74	91.33	50<111<
111.00	114.00	3.00	2.99	99.67	2.61	87.00	130<111<
114.00	117.00	3.00	3.04	101.33	2.59	86.33	-170<111<
117.00	120.00	3.00	2.50	83.33	1.40	46.67	M>100<M
120.00	123.00	3.00	2.83	94.33	2.44	81.33	<111<
123.00	126.00	3.00	3.03	101.00	2.35	78.33	135<111<
126.00	129.00	3.00	3.06	102.00	2.66	88.67	N=111<
129.00	132.00	3.00	3.00	100.00	1.85	61.67	120<11<0=
132.00	135.00	3.00	2.96	98.67	2.36	78.67	N=001<M
135.00	138.00	3.00	3.05	101.67	2.73	91.00	<111<

Structure

From	To	Structure	Alpha	Beta	Fill Material 1	Fill Material 2	Comments
11.70	22.80	Shearing					
36.61	41.55	Foliation	67.00	85.00			
76.87	78.91	Dyke					mafic dyke with large plagio phenocryst
118.68	118.90	Shearing					couple carbonates veins

Point Structure

At	Structure	Alpha	Beta	Core Azi	Core Dip	Calculated Dip	Calculated Strike	Apparent Dip	Dip Direction	Gamma	Joint Fill 1	Fill Material 1	Joint Fill 2	Fill Material 2	Comments
8.39	Quartz vein	60													3 cm clear white qtz vein with black elongated enclave
8.85	Quartz vein	85													6 cm silicified pink vein ?
24.16	Calcite vein	50	10	199.60	-45.40	-84.21	296.04	0	26.04						1 cm calcite vein with pink spots.
29.20	Quartz vein	15													1 cm. silicified carbonate vein? with cubic pyrite.

Hole Number: QK-17-018 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Point Structure

At	Structure	Alpha	Beta	Core Azi	Core Dip	Calculated Dip	Calculated Strike	Apparent Dip	Dip Direction	Gamma	Joint Fill 1	Fill Material 1	Joint Fill 2	Fill Material 2	Comments
39.08	Foliation	67	85	199.60	-45.40	-50.84	319.73	0	49.73						Measurement of Struture Table
39.10	Quartz vein	40	105	199.60	-45.40	-53.35	356.86	0	86.86						5 cm qtz vein with pyrite and chalcopyrite
46.38	Quartz vein	65	180	199.60	-45.40	-19.60	289.60	0	19.60						3 cm qtz vein with pyrite and chalcopyrite
56.46	Calcite vein	90													7 cm
69.50	Quartz vein	40	95	199.60	-45.40	-59.70	351.72	0	81.72						2 cm white qtz vein
75.20	Quartz vein	15	85	199.60	-45.40	-82.81	5.50	0	95.50						5 cm clear frey qtz vein
77.84	Quartz vein	50	70	199.60	-45.40	-66.98	330.62	0	60.62						4 cm white qtz vein. in the middle of a mafic. higher concentration of phenocryst in the dyke near the Qtz vein
85.45	Quartz vein	35	95	199.60	-45.40	-62.71	356.27	0	86.27				soft>5mm	calcite	11 cm white qtz vein
100.00	Quartz vein	15	160	199.60	-45.40	-34.75	74.18	0	164.18						17 cm white qtz vein
134.83	Flow banding														

Orford Mining

Drill Log Report

Hole Number: QK-17-019 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Project

Project Number: Qiqavik Drilling
Date Started: août 06, 2017
Date Completed: août 08, 2017
Drilling Contractor: Forage G4
Survey Contractor:
Date Logged: août 8, 2017

Drilling

Making Water: N **OIH Comments:**
Gas Intersected: N
Is Hole Plugged: N
Object in Hole: N **Material LIH:**
Is Cemented: N
Is Hole Blocked:
Verified: N

Collar

NTS: 35G12 **Collar Dip:** -46.00
UTM Zone: UTM83-18 **Collar Azi:** 199.00
Lot: **Length:** 189.00
Township:
Range / Concession:
Claim Number: 2457132 **Core Size:** NQ
Collar Survey Type: DGPS and APS **Casing Status:** Left In Hole

Coordinates

UTM Coordinates
North: 6,832,537.58
East: 456,676.33
Elev: 276.24

Logged By

Geologist 1: Brian Belisle, Géo
Geologist 2: Arnaud Fontaine, Géo
Geologist 3:
Geologist 4:

GÉOLOGUE ROBERT CLOUTIER # 1233 QUÉBEC

Detailed Lithology

From	To	Lithology	Oxidation	Texture	Grain Size	Tone	Colour
0.00	3.00	**OB, Overburden**					
3.00	54.00	**V3B, Basalt** sheared basalt with ver fine disseminated pyrite 55/270. beta angle not very reliable	Not Oxidized	Sheared	Very Fine Grained	Dark	Grey
54.00	72.20	**V3B, Basalt** foliated basalt with sulphides stringers	Not Oxidized	Foliated	Very Fine Grained	Dark	Grey
72.20	84.50	**V3B, Basalt** massive basalt with fine grain intervals	Not Oxidized	Massive	Very Fine Grained	Dark	Grey
84.50	101.00	**V3B, Basalt** lightly foliated basalt with altered zone with actinolite					

Mineralization

From	To	Type	Style	%	Comments
3.00	54.00	Pyrite	Disseminated	0.50	disseminated pyrite in shear zone
46.00	46.04	Arsenopyrite	Stringer	50.00	arsenopyrite stringer on 4 cm
54.00	65.00	Sulphides	Stringer	2.00	mainly pyrite and pyrrhotite
84.50	84.80	Pyrite	Disseminated	5.00	disseminated pyrite in hydrothermal alteration with actinolite
86.35	87.00	Sulphides	Disseminated	5.00	disseminated pyrite; chalcopyrite; pyrrhotite.

Alteration

From	To	Style	Type	Intensity	Comments
3.00	189.00	Fracture/vein controlled	Carbonatization	Weak	
5.00	11.50	Along Foliation	Sericitization	Moderate	
24.70	28.00	Along Foliation	Sericitization	Moderate	
37.00	38.10	Along Foliation	Sericitization	Moderate	
84.50	104.00	Pervasive	Actinolite	Moderate	zones of hydrothermal alteration
85.80	86.30	Fracture/vein controlled	Sericitization	Moderate	
137.74	139.85	Fracture/vein controlled	Sericitization	Moderate	
167.56	168.20	Fracture/vein controlled	Sericitization	Moderate	

Hole Number: QK-17-019 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Detailed Lithology

From	To	Lithology				
		Not Oxidized	Foliated	Very Fine Grained	Dark	Grey
101.00	189.00	**V3B, Basalt** phyric plagio basalt. dry. large phenocryst at 129 to 129.7 m				
		Oxidation	**Texture**	**Grain Size**	**Tone**	**Colour**
		Not Oxidized	Plagioclase phyric	Very Fine Grained	Dark	Grey

Sampling

From	To	Sample Number	Sample Type	Au (gpt)	Ag (gpt)	Cu (%)	Zn (%)	Pb (%)	Mg (%)	Fe (%)	Ca (%)
5.00	6.00	409964	ASSAY								
6.00	7.00	409965	ASSAY								
7.00	8.00	409966	ASSAY								
8.00	9.00	409967	ASSAY								
9.00	10.00	409968	ASSAY								
10.00	11.00	409969	ASSAY								
11.00	12.00	409971	ASSAY								
12.00	13.00	409972	ASSAY								
13.00	14.00	409973	ASSAY								
14.00	15.00	409974	ASSAY								
15.00	16.00	409975	ASSAY								
16.00	17.00	409976	ASSAY								
17.00	18.00	409977	ASSAY								
18.00	19.00	409978	ASSAY								
19.00	20.00	409979	ASSAY								
20.00	21.00	409981	ASSAY								
21.00	22.00	409982	ASSAY								
22.00	23.00	409983	ASSAY								
23.00	24.00	409984	ASSAY								
24.00	25.00	409985	ASSAY								
25.00	26.00	409986	ASSAY								

Hole Number: QK-17-019 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Sampling

From	To	Sample Number	Sample Type	Au (gpt)	Ag (gpt)	Cu (%)	Zn (%)	Pb (%)	Mg (%)	Fe (%)	Ca (%)
26.00	27.00	409987	ASSAY								
27.00	28.00	409988	ASSAY								
28.00	29.00	409989	ASSAY								
28.00	29.00	409990	DUP								
29.00	30.00	409991	ASSAY								
30.00	31.00	409992	ASSAY								
31.00	32.00	409993	ASSAY								
32.00	33.00	409994	ASSAY								
33.00	34.00	409995	ASSAY								
34.00	35.00	409996	ASSAY								
35.00	36.00	409997	ASSAY								
36.00	37.00	409998	ASSAY								
37.00	38.00	409999	ASSAY								
38.00	39.00	410001	ASSAY								
39.00	39.67	410002	ASSAY								
39.67	41.00	410003	ASSAY								
41.00	42.00	410004	ASSAY								
42.00	43.00	410005	ASSAY								
43.00	44.00	410006	ASSAY								
44.00	45.00	410007	ASSAY								
45.00	45.97	410008	ASSAY								
45.97	46.27	410009	ASSAY								
46.27	47.00	410011	ASSAY								
47.00	48.00	410012	ASSAY								
48.00	49.00	410013	ASSAY								
49.00	50.00	410014	ASSAY								
50.00	51.00	410015	ASSAY								
51.00	52.00	410016	ASSAY								
52.00	53.00	410017	ASSAY								

Hole Number: QK-17-019 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Sampling

From	To	Sample Number	Sample Type	Au (gpt)	Ag (gpt)	Cu (%)	Zn (%)	Pb (%)	Mg (%)	Fe (%)	Ca (%)
53.00	54.00	410018	ASSAY								
54.00	55.00	410019	ASSAY								
54.00	55.00	410020	DUP								
55.00	56.00	410021	ASSAY								
56.00	57.00	410022	ASSAY								
57.00	58.00	410023	ASSAY								
58.00	58.60	410024	ASSAY								
58.60	58.90	410025	ASSAY								
58.90	60.00	410026	ASSAY								
60.00	61.00	410027	ASSAY								
61.00	62.00	410028	ASSAY								
62.00	63.00	410029	ASSAY								
63.00	64.00	410031	ASSAY								
64.00	65.00	410032	ASSAY								
65.00	66.00	410033	ASSAY								
66.00	67.00	410034	ASSAY								
67.00	68.00	410035	ASSAY								
68.00	68.60	410036	ASSAY								
68.60	69.20	410037	ASSAY								
69.20	70.00	410038	ASSAY								
70.00	71.00	410039	ASSAY								
71.00	72.10	410041	ASSAY								
72.10	73.00	410042	ASSAY								
73.00	74.00	410043	ASSAY								
79.00	80.00	410044	ASSAY								
80.00	81.00	410045	ASSAY								
84.47	84.80	410046	ASSAY								
84.80	85.80	410047	ASSAY								
85.80	86.35	410048	ASSAY								

Hole Number: QK-17-019 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Sampling

From	To	Sample Number	Sample Type	Au (gpt)	Ag (gpt)	Cu (%)	Zn (%)	Pb (%)	Mg (%)	Fe (%)	Ca (%)
86.35	87.00	410049	ASSAY								
86.35	87.00	410050	DUP								
87.00	88.00	410051	ASSAY								
88.00	89.00	410052	ASSAY								
89.00	90.00	410053	ASSAY								
93.00	94.00	410054	ASSAY								
94.00	95.00	410055	ASSAY								
100.00	101.00	410056	ASSAY								
107.00	108.00	410057	ASSAY								
114.00	115.00	410058	ASSAY								
120.47	121.00	410059	ASSAY								
125.00	126.00	410061	ASSAY								
130.00	131.00	410062	ASSAY								
137.00	138.00	410063	ASSAY								
138.00	139.00	410064	ASSAY								
150.00	151.00	410065	ASSAY								
156.60	158.10	410066	ASSAY								
164.00	165.00	410067	ASSAY								
167.50	168.20	410068	ASSAY								
176.00	177.00	410069	ASSAY								
186.00	187.10	410071	ASSAY								

Geotechnical

From	To	Interval	Recovery	Recovery %	RQD	RQD %	Comments
3.00	6.00	3.00	3.00	100.00	1.24	41.33	N=000=
6.00	9.00	3.00	3.03	101.00	1.16	38.67	N=000=
9.00	12.00	3.00	3.03	101.00	1.76	58.67	N=001<
12.00	15.00	3.00	3.28	109.33	2.16	72.00	M>110=
15.00	18.00	3.00	2.83	94.33	1.35	45.00	N=011<

Hole Number: QK-17-019 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Geotechnical

From	To	Interval	Recovery	Recovery %	RQD	RQD %	Comments
18.00	21.00	3.00	3.35	111.67	1.92	64.00	M>000=
21.00	24.00	3.00	3.02	100.67	1.23	41.00	N=000=
24.00	27.00	3.00	2.69	89.67	1.66	55.33	N=000=
27.00	30.00	3.00	2.73	91.00	2.13	71.00	N=000=
30.00	33.00	3.00	3.08	102.67	2.11	70.33	N=000<
33.00	36.00	3.00	3.05	101.67	1.63	54.33	M>100<M
36.00	39.00	3.00	3.10	103.33	1.61	53.67	<111<
39.00	42.00	3.00	3.21	107.00	2.35	78.33	M>011<
42.00	45.00	3.00	3.06	102.00	2.25	75.00	0<111<
45.00	48.00	3.00	3.00	100.00	2.59	86.33	0<111<
48.00	51.00	3.00	3.04	101.33	2.57	85.67	0<111<
51.00	54.00	3.00	2.97	99.00	2.75	91.67	M>111>
54.00	57.00	3.00	3.01	100.33	2.10	70.00	M>111>
57.00	60.00	3.00	3.10	103.33	1.84	61.33	M>111>
60.00	63.00	3.00	3.17	105.67	2.82	94.00	M>1.11<
63.00	66.00	3.00	3.00	100.00	2.45	81.67	0<111<
66.00	69.00	3.00	3.08	102.67	2.47	82.33	45<111<
69.00	72.00	3.00	3.18	106.00	2.00	66.67	M>001<M
72.00	75.00	3.00	3.28	109.33	2.25	75.00	M>100<
75.00	78.00	3.00	3.21	107.00	2.47	82.33	M>110=
78.00	81.00	3.00	3.07	102.33	2.39	79.67	N=000=
81.00	84.00	3.00	3.01	100.33	2.37	79.00	N<111<
84.00	87.00	3.00	2.94	98.00	2.33	77.67	M>1>-30<11<
87.00	90.00	3.00	3.03	101.00	2.13	71.00	M>100<
90.00	93.00	3.00	2.50	83.33	1.31	43.67	N<11<0=
93.00	96.00	3.00	3.00	100.00	2.56	85.33	N<111<
96.00	99.00	3.00	2.95	98.33	2.28	76.00	130<111<M
99.00	102.00	3.00	3.09	103.00	2.29	76.33	<111<

Hole Number: QK-17-019 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Geotechnical

From	To	Interval	Recovery	Recovery %	RQD	RQD %	Comments
102.00	105.00	3.00	2.85	95.00	2.51	83.67	20<111<
105.00	108.00	3.00	3.15	105.00	2.67	89.00	-20<111<
108.00	111.00	3.00	2.93	97.67	2.85	95.00	M<111<
111.00	114.00	3.00	3.10	103.33	2.85	95.00	30<111<M
114.00	117.00	3.00	2.94	98.00	1.98	66.00	<111<
117.00	120.00	3.00	2.97	99.00	2.97	99.00	M>1.11<
120.00	123.00	3.00	2.93	97.67	2.25	75.00	-10<111<
123.00	126.00	3.00	3.11	103.67	2.74	91.33	10<111<
126.00	129.00	3.00	3.40	113.33	2.75	91.67	10<111<
129.00	132.00	3.00	3.00	100.00	2.39	79.67	-15<111<M
132.00	135.00	3.00	3.05	101.67	2.33	77.67	<111<
135.00	138.00	3.00	3.00	100.00	1.57	52.33	M>110=
138.00	141.00	3.00	2.96	98.67	2.37	79.00	N=111<
141.00	144.00	3.00	3.02	100.67	2.82	94.00	-12<111<
144.00	147.00	3.00	3.00	100.00	2.34	78.00	-20<111<
147.00	150.00	3.00	3.01	100.33	2.49	83.00	M<111<
150.00	153.00	3.00	3.00	100.00	2.87	95.67	-14<111<
153.00	156.00	3.00	2.98	99.33	2.37	79.00	-20<111<
156.00	159.00	3.00	3.05	101.67	2.73	91.00	215<111<
159.00	162.00	3.00	3.10	103.33	2.90	96.67	180<111<
162.00	165.00	3.00	3.01	100.33	2.67	89.00	0<111<
165.00	168.00	3.00	3.00	100.00	2.70	90.00	0<111<
168.00	171.00	3.00	2.95	98.33	2.65	88.33	25<111<
171.00	174.00	3.00	3.09	103.00	2.64	88.00	M>11.1<
174.00	177.00	3.00	2.95	98.33	2.67	89.00	10<111<
177.00	180.00	3.00	3.00	100.00	2.87	95.67	20<111<
180.00	183.00	3.00	3.06	102.00	2.72	90.67	-30<111<
183.00	186.00	3.00	2.85	95.00	2.51	83.67	-30<111<

Hole Number: QK-17-019 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Geotechnical

From	To	Interval	Recovery	Recovery %	RQD	RQD %	Comments
186.00	189.00	3.00	2.98	99.33	2.41	80.33	-30<111<

Structure

From	To	Structure	Alpha	Beta	Fill Material 1	Fill Material 2	Comments
3.00	54.00	Shearing	55.00	270.00			main shear orientation. beta not reliable all over
39.65	41.70	Dyke					mafic dyke
45.98	46.09	Calcite vein	65.00	80.00			calcite vein with arsenopyrite stringer
54.00	72.20	Foliation	50.00	270.00			main folaition orientation
58.65	58.87	Quartz vein			calcite		
68.22	68.55	Calcite vein					
69.25	70.60	Shearing					

Point Structure

At	Structure	Alpha	Beta	Core Azi	Core Dip	Calculated Dip	Calculated Strike	Apparent Dip	Dip Direction	Gamma	Joint Fill 1	Fill Material 1	Joint Fill 2	Fill Material 2	Comments
14.04	Quartz vein	50	320	199.00	-46.00	-77.94	264.01	0	354.01						grey qtz vein with pyrite
14.86	Quartz vein	55													grey qtz vein wth pyrite
15.75	Calcite vein	40													calcifte vein with large crystals
22.30	Dyke														
28.50	Shearing	55	270	199.00	-46.00	-53.90	243.77	0	333.77						Measurement of Struture Table
38.00	Shearing	55	90	199.00	-46.00	-53.90	334.23	0	64.23						
39.42	Calcite vein	55													4 cm calcite vein with pyrite beds
46.04	Calcite vein	65	80	199.00	-46.00	-53.06	320.38	0	50.38						Measurement of Struture Table
63.10	Foliation	50	270	199.00	-46.00	-56.56	238.62	0	328.62						Measurement of Struture Table
65.10	Calcite vein	25	60	199.00	-46.00	-89.38	160.71	0	250.71						red carbonates vein with calcite filling
85.96	Quartz vein	75													7 cm qtz vein with calcite. altered on each side.
107.64	Quartz vein	60	265	199.00	-46.00	-49.21	247.86	0	337.86						14 cm qtz vein
114.20	Quartz vein	47	160	199.00	-46.00	-13.77	7.60	0	97.60						5 cm qtz vein

Hole Number: QK-17-019 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Point Structure

At	Structure	Alpha	Beta	Core Azi	Core Dip	Calculated Dip	Calculated Strike	Apparent Dip	Dip Direction	Gamma	Joint Fill 1	Fill Material 1	Joint Fill 2	Fill Material 2	Comments
125.12	Quartz vein	25	335	199.00	-46.00	-74.54	85.58	0	175.58						2 cm qtz vein
130.10	Calcite vein	55	210	199.00	-46.00	-20.88	235.44	0	325.44						4 cm calcite vein with light orange tint
137.60	Fault	55	200	199.00	-46.00	-15.49	241.75	0	331.75		hard>5mm	quartz	soft>5mm	calcite	fault with qtz and calcite filling. in the middle of serecitization
138.97	Quartz vein	55	265	199.00	-46.00	-51.39	242.01	0	332.01						3 cm qtz vein
150.59	Quartz vein	55	200	199.00	-46.00	-15.49	241.75	0	331.75						4 cm qtz vein
164.57	Calcite vein	20	345	199.00	-46.00	-67.39	93.72	0	183.72						5 cm calcite vein with red carbonates
167.61	Quartz vein	60	150	199.00	-46.00	-22.52	329.75	0	59.75				soft>5mm	calcite	2 cm qtz vein with calcite in sericite alteration zone
176.23	Calcite vein	58	200	199.00	-46.00	-17.07	250.87	0	340.87						2 cm calcite vein
186.96	Quartz vein	40	105	199.00	-46.00	-53.12	356.67	0	86.67				soft>5mm	calcite	4 cm qtz vein with calcite

Orford Mining

Drill Log Report

Hole Number: QK-17-020 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Project

Project Number: Qiqavik Drilling
Date Started: août 08, 2017
Date Completed: août 09, 2017
Drilling Contractor: Forage G4
Survey Contractor:
Date Logged: août 9, 2017

Drilling

Making Water: N **OIH Comments:**
Gas Intersected: N
Is Hole Plugged: N
Object in Hole: N **Material LIH:**
Is Cemented: N
Is Hole Blocked:
Verified: N

Collar

NTS: 35G11 **Collar Dip:** -45.50
UTM Zone: UTM83-18 **Collar Azi:** 162.40
Lot: **Length:** 96.00
Township:
Range / Concession:
Claim Number: 2435168 **Core Size:** NQ
Collar Survey Type: APS **Casing Status:** Left In Hole

Coordinates

UTM Coordinates
North: 6,824,822.00
East: 477,036.00
Elev: 410.00

Logged By

Geologist 1: Brian Belisle, Géo
Geologist 2: Arnaud Fontaine, Géo
Geologist 3:
Geologist 4:

ROBERT CLOUTIER # 1233 QUÉBEC

Detailed Lithology

From	To	Lithology	Oxidation	Texture	Grain Size	Tone	Colour
0.00	5.00	**OB, Overburden**					
5.00	54.00	**I1C, Granodiorite** with some basalt enclave. calcite and chlorite alteration	Not Oxidized	Massive	Medium Grained	Medium	grey-green
54.00	56.50	**ShrZ, Shear Zone** shear shows reverse movement	Not Oxidized		Fine Grained	Medium	grey-brown
56.50	96.00	**I1C, Granodiorite** with some basalt enclave. calcite and chlorite alteration	Not Oxidized	Massive	Medium Grained	Medium	grey-green

Mineralization

From	To	Type	Style	%	Comments
5.00	96.00	Pyrite	Disseminated	0.10	traces pyrite
54.00	56.50	Pyrite	Disseminated	1.00	pyrite along shear
60.50	60.60	Pyrite	Disseminated	3.00	zone with pyrite

Alteration

From	To	Style	Type	Intensity	Comments
5.00	96.00	Disseminated	Calcite	Moderate	
38.00	68.50	Pervasive	Chloritization	Moderate	chloritization around the shear zone
69.37	69.77	Along Foliation	Chloritization	Moderate	
73.15	81.93	Along Foliation	Chloritization	Moderate	chloritization with not altered intervals
86.97	87.34	Pervasive	Chloritization	Moderate	
91.70	93.33	Along Foliation	Chloritization		

Sampling

From	To	Sample Number	Sample Type	Au (gpt)	Ag (gpt)	Cu (%)	Zn (%)	Pb (%)	Mg (%)	Fe (%)	Ca (%)

Hole Number: QK-17-020 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Sampling

From	To	Sample Number	Sample Type	Au (gpt)	Ag (gpt)	Cu (%)	Zn (%)	Pb (%)	Mg (%)	Fe (%)	Ca (%)
8.00	9.00	410072	ASSAY								
9.00	10.00	410073	ASSAY								
16.00	17.00	410074	ASSAY								
18.00	19.00	410075	ASSAY								
24.00	25.00	410076	ASSAY								
29.00	30.00	410077	ASSAY								
32.00	33.00	410078	ASSAY								
33.00	34.00	410079	ASSAY								
37.00	38.00	410081	ASSAY								
38.00	39.00	410082	ASSAY								
41.00	42.00	410083	ASSAY								
46.00	47.00	410084	ASSAY								
47.00	48.00	410085	ASSAY								
48.00	49.00	410086	ASSAY								
49.00	50.00	410087	ASSAY								
50.00	51.00	410088	ASSAY								
51.00	52.00	410089	ASSAY								
52.00	53.00	410091	ASSAY								
53.00	54.00	410092	ASSAY								
54.00	55.00	410093	ASSAY								
55.00	55.50	410094	ASSAY								
55.50	56.00	410095	ASSAY								
56.00	57.00	410096	ASSAY								
57.00	58.00	410097	ASSAY								
58.00	59.00	410098	ASSAY								
59.00	60.00	410099	ASSAY								
59.00	60.00	410100	DUP								
60.00	61.00	410101	ASSAY								
61.00	62.00	410102	ASSAY								

Hole Number: QK-17-020 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Sampling

From	To	Sample Number	Sample Type	Au (gpt)	Ag (gpt)	Cu (%)	Zn (%)	Pb (%)	Mg (%)	Fe (%)	Ca (%)
62.00	63.00	410103	ASSAY								
63.00	64.00	410104	ASSAY								
64.00	65.00	410105	ASSAY								
65.00	66.00	410106	ASSAY								
69.00	70.00	410107	ASSAY								
70.00	71.00	410108	ASSAY								
73.00	74.00	410109	ASSAY								
74.00	75.00	410111	ASSAY								
75.00	76.00	410112	ASSAY								
76.00	77.00	410113	ASSAY								
78.00	79.00	410114	ASSAY								
84.00	85.00	410115	ASSAY								
87.00	88.00	410116	ASSAY								
92.00	93.00	410117	ASSAY								

Geotechnical

From	To	Interval	Recovery	Recovery %	RQD	RQD %	Comments
6.00	9.00	3.00	2.64	88.00	2.48	82.67	N=000=
9.00	12.00	3.00	3.10	103.33	2.65	88.33	N=000=
12.00	15.00	3.00	3.07	102.33	2.22	74.00	N=000<
15.00	18.00	3.00	2.97	99.00	2.47	82.33	M>1.11<
18.00	21.00	3.00	2.93	97.67	2.39	79.67	M>11.1<
21.00	24.00	3.00	3.09	103.00	2.88	96.00	M>101<
24.00	27.00	3.00	3.07	102.33	2.71	90.33	16<111<
27.00	30.00	3.00	2.91	97.00	2.75	91.67	M>.111<
30.00	33.00	3.00	3.17	105.67	3.02	100.67	-20<111<
33.00	36.00	3.00	3.00	100.00	2.13	71.00	0<111<
36.00	39.00	3.00	3.06	102.00	2.90	96.67	-20<111<
39.00	42.00	3.00	2.97	99.00	2.53	84.33	0<111<

Hole Number: QK-17-020 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Geotechnical

From	To	Interval	Recovery	Recovery %	RQD	RQD %	Comments
42.00	45.00	3.00	2.97	99.00	2.94	98.00	0<111<
45.00	48.00	3.00	2.83	94.33	2.52	84.00	0<111<
48.00	51.00	3.00	3.14	104.67	2.88	96.00	130<111<
51.00	54.00	3.00	2.94	98.00	2.80	93.33	-10<111<
54.00	57.00	3.00	3.11	103.67	3.00	100.00	M>11.1<
57.00	60.00	3.00	2.83	94.33	2.70	90.00	-40<111<
60.00	63.00	3.00	3.07	102.33	2.95	98.33	N=111<
63.00	66.00	3.00	2.92	97.33	2.62	87.33	M>111=
66.00	69.00	3.00	2.88	96.00	2.75	91.67	N=111<
69.00	72.00	3.00	3.03	101.00	2.79	93.00	M>101<M
72.00	75.00	3.00	2.95	98.33	2.71	90.33	<111<
75.00	78.00	3.00	3.05	101.67	2.52	84.00	0<111<
78.00	81.00	3.00	2.97	99.00	2.77	92.33	0<111<
81.00	84.00	3.00	2.91	97.00	2.79	93.00	15<111<M
84.00	87.00	3.00	2.98	99.33	2.72	90.67	<111<M
87.00	90.00	3.00	3.07	102.33	3.01	100.33	<111<
90.00	93.00	3.00	2.97	99.00	2.79	93.00	M>1.11<
93.00	96.00	3.00	2.91	97.00	2.71	90.33	0<111<

Structure

From	To	Structure	Alpha	Beta	Fill Material 1	Fill Material 2	Comments
69.28	69.37	Dyke	80.00	80.00			mafic dyke
69.37	87.34	Foliation					lightly foliated zone coinciding with chlorite alteration.
78.00	78.33	Shearing					bleached with calcite
91.87	93.33	Foliation	65.00	60.00			

Point Structure

At	Structure	Alpha	Beta	Core Azi	Core Dip	Calculated Dip	Calculated Strike	Apparent Dip	Dip Direction	Gamma	Joint Fill 1	Fill Material 1	Joint Fill 2	Fill Material 2	Comments

Hole Number: QK-17-020 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Point Structure

At	Structure	Alpha	Beta	Core Azi	Core Dip	Calculated Dip	Calculated Strike	Apparent Dip	Dip Direction	Gamma	Joint Fill 1	Fill Material 1	Joint Fill 2	Fill Material 2	Comments
37.85	Quartz vein	30	340	162.40	-45.50	-77.66	54.75	0	144.75						
38.43	Quartz vein	45	220	162.40	-45.50	-27.87	175.92	0	265.92						
54.00	Shearing	27	20	162.40	-45.50	-74.75	90.81	0	180.81						
56.90	Quartz vein														tension vein showing orientation of shear
69.33	Dyke	80	80	162.40	-45.50	-47.06	265.91	0	355.91						Measurement of Struture Table
92.60	Foliation	65	60	162.40	-45.50	-60.11	277.37	0	7.37						Measurement of Struture Table

Orford Mining

Drill Log Report

Hole Number: QK-17-021 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Project

Project Number: Qiqavik Drilling
Date Started: août 08, 2017
Date Completed: août 09, 2017
Drilling Contractor: Forage G4
Survey Contractor:
Date Logged: août 10, 2017

Drilling

Making Water: N **OIH Comments:**
Gas Intersected: N
Is Hole Plugged: N
Object in Hole: N **Material LIH:**
Is Cemented: N
Is Hole Blocked:
Verified: N

Collar

NTS: 35G12 **Collar Dip:** -46.00
UTM Zone: UTM83-18 **Collar Azi:** 200.30
Lot: **Length:** 93.00
Township:
Range / Concession:
Claim Number: 2457131 **Core Size:** NQ
Collar Survey Type: DGPS and APS **Casing Status:** Left In Hole

Coordinates

UTM Coordinates
North: 6,832,461.73
East: 456,117.07
Elev: 279.62

Logged By

Geologist 1: Brian Belisle, Géo
Geologist 2: Arnaud Fontaine, Géo
Geologist 3:
Geologist 4:

ROBERT CLOUTIER # 1233 QUÉBEC

Detailed Lithology

From	To	Lithology	Oxidation	Texture	Grain Size	Tone	Colour

Mineralization

From	To	Type	Style	%

Alteration

From	To	Style	Type	Intensity

Sampling

From	To	Sample Number	Sample Type	Au (gpt)	Ag (gpt)	Cu (%)	Zn (%)	Pb (%)	Mg (%)	Fe (%)	Ca (%)
6.00	7.00	410118	ASSAY								
7.00	8.00	410119	ASSAY								
8.00	9.00	410121	ASSAY								
14.00	15.00	410122	ASSAY								
22.00	23.00	410123	ASSAY								
23.00	24.00	410124	ASSAY								
29.00	30.00	410125	ASSAY								
30.00	31.00	410126	ASSAY								
31.00	32.00	410127	ASSAY								
32.00	33.00	410128	ASSAY								
33.00	34.06	410129	ASSAY								
34.06	35.00	410131	ASSAY								
35.00	36.00	410132	ASSAY								

Hole Number: QK-17-021 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Sampling

From	To	Sample Number	Sample Type	Au (gpt)	Ag (gpt)	Cu (%)	Zn (%)	Pb (%)	Mg (%)	Fe (%)	Ca (%)
36.00	37.00	410133	ASSAY								
37.00	38.00	410134	ASSAY								
38.00	38.60	410135	ASSAY								
38.60	39.10	410136	ASSAY								
39.10	40.00	410137	ASSAY								
43.00	44.00	410138	ASSAY								
45.00	46.00	410139	ASSAY								
45.00	46.00	410140	DUP								
46.00	46.51	410141	ASSAY								
49.00	50.00	410142	ASSAY								
50.00	51.00	410143	ASSAY								
51.00	52.00	410144	ASSAY								
52.00	53.00	410145	ASSAY								
53.00	54.00	410146	ASSAY								
55.00	56.00	410147	ASSAY								
61.00	62.00	410148	ASSAY								
62.00	63.00	410149	ASSAY								
67.00	68.00	410151	ASSAY								
76.00	77.00	410152	ASSAY								
77.00	78.00	410153	ASSAY								
83.00	84.00	410154	ASSAY								
92.00	93.00	410155	ASSAY								

Geotechnical

From	To	Interval	Recovery	Recovery %	RQD	RQD %	Comments
3.00	6.00	3.00	2.00	66.67	0.43	14.33	N=000=
6.00	9.00	3.00	3.00	100.00	2.40	80.00	N=001<
9.00	12.00	3.00	3.04	101.33	1.93	64.33	N=000<
12.00	15.00	3.00	2.94	98.00	2.64	88.00	10<111<

Hole Number: QK-17-021 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Geotechnical

From	To	Interval	Recovery	Recovery %	RQD	RQD %	Comments
15.00	18.00	3.00	2.93	97.67	2.37	79.00	-10<111<
18.00	21.00	3.00	2.92	97.33	2.44	81.33	5<111<
21.00	24.00	3.00	3.04	101.33	2.89	96.33	5<111<
24.00	27.00	3.00	2.89	96.33	2.91	97.00	M>101<
27.00	30.00	3.00	2.91	97.00	2.43	81.00	N=111<
30.00	33.00	3.00	3.04	101.33	2.94	98.00	10<111<
33.00	36.00	3.00	3.00	100.00	2.89	96.33	-10<111<
36.00	39.00	3.00	2.96	98.67	2.47	82.33	M>111>
39.00	42.00	3.00	3.04	101.33	2.53	84.33	N<111<
42.00	45.00	3.00	2.98	99.33	2.69	89.67	0<111<
45.00	48.00	3.00	2.96	98.67	2.59	86.33	-55<111<
48.00	51.00	3.00	3.02	100.67	2.75	91.67	0<111<
51.00	54.00	3.00	2.91	97.00	2.87	95.67	N<111<
54.00	57.00	3.00	2.98	99.33	2.92	97.33	10<111<
57.00	60.00	3.00	3.00	100.00	2.68	89.33	-150<111<
60.00	63.00	3.00	3.05	101.67	2.73	91.00	145<111<
63.00	66.00	3.00	2.99	99.67	2.47	82.33	M>11.1<
66.00	69.00	3.00	3.02	100.67	2.51	83.67	0<111<
69.00	72.00	3.00	2.92	97.33	2.74	91.33	10<111<
72.00	75.00	3.00	3.04	101.33	2.85	95.00	-10<111<
75.00	78.00	3.00	2.92	97.33	2.72	90.67	-25<111<
78.00	81.00	3.00	3.04	101.33	2.83	94.33	-135<111<
81.00	84.00	3.00	2.96	98.67	2.49	83.00	170<111<
84.00	87.00	3.00	3.04	101.33	2.76	92.00	12<111<
87.00	90.00	3.00	2.93	97.67	2.56	85.33	0<111<
90.00	93.00	3.00	3.14	104.67	3.00	100.00	N<111<

Point Structure

At	Structure	Alpha	Beta	Core Azi	Core Dip	Calculated Dip	Calculated Strike	Apparent Dip	Dip Direction	Gamma	Joint Fill 1	Fill Material 1	Joint Fill 2	Fill Material 2	Comments
14.20	Quartz vein	75	350	200.30	-46.00	-58.82	287.29	0	17.29						2 cm white qtz vein. basalt is cooked on both sides
22.49	Calcite vein	30	350	200.30	-46.00	-76.54	101.40	0	191.40						3 cm calcite vein
30.00	Calcite vein	30	30	200.30	-46.00	-80.72	136.32	0	226.32						5 cm calcite vein
30.46	Quartz vein	25	150	200.30	-46.00	-31.87	51.18	0	141.18						6 cm qtz vein
33.10	Stringer	27	196	200.30	-46.00	-22.85	149.54	0	239.54						yrrhotite stringers in chlorite-rich foliation
33.40	Foliation	37	176	200.30	-46.00	-9.48	90.53	0	180.53						Chlorite foliation with Po-Cp stringers. Stringers are sometimes parallel to foliation but also cross-cutting it
34.55	Foliation	55	200	200.30	-46.00	-15.49	243.05	0	333.05						Measurement of Struture Table
35.20	Contact	60	0	200.30	-46.00	-74.00	290.30	0	20.30						Contact between a basalt and a dioritic porhyric
35.20	Contact	60	0	200.30	-46.00	-74.00	290.30	0	20.30						Sharp lower contact of dyke.
35.28	Quartz vein	45	270	200.30	-46.00	-59.43	235.09	0	325.09						3 cm qtz vein; pyrrhotite; pyrite; chalcopyrite
35.60	Stringer	62	205	200.30	-46.00	-21.45	257.45	0	347.45						Stringer of pyrrhotite parallel to foliation.
36.10	Stringer	39	173	200.30	-46.00	-8.69	71.48	0	161.48						Stringer of chalcopyrite with calcite and pyrrhotite
38.10	Stringer	72	182	200.30	-46.00	-26.02	288.89	0	18.89						Pyrrhotite with minor chalcopyrite stringer
46.34	Stringer	50	200	200.30	-46.00	-13.92	224.25	0	314.25						Semi massive to massive band of pyrrhotite near contact with porphyry dyke
50.02	Calcite vein	50	95	200.30	-46.00	-53.85	342.77	0	72.77						2 cm
67.41	Calcite vein	50	80	200.30	-46.00	-61.74	336.25	0	66.25						2 cm
76.80	Quartz vein	48	200	200.30	-46.00	-13.75	215.91	0	305.91						4 cm qtz vein. rust in fracture. in the middle of serecitization zone. some chalco around it

Orford Mining

Drill Log Report

Hole Number: QK-17-022 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Project

Project Number: Qiqavik Drilling
Date Started: août 09, 2017
Date Completed: août 10, 2017
Drilling Contractor: Forage G4
Survey Contractor:
Date Logged: août 10, 2017

Drilling

Making Water: N **OIH Comments:**
Gas Intersected: N
Is Hole Plugged: N
Object in Hole: N **Material LIH:**
Is Cemented: N
Is Hole Blocked:
Verified: N

Collar

NTS: 35G12 **Collar Dip:** -79.00
UTM Zone: UTM83-18 **Collar Azi:** 200.30
Lot: **Length:** 111.00
Township:
Range / Concession:
Claim Number: 2457131 **Core Size:** NQ
Collar Survey Type: DGPS and APS **Casing Status:** Left In Hole

Coordinates

UTM Coordinates
North: 6,832,462.68
East: 456,117.33
Elev: 279.62

GÉOLOGUE ROBERT CLOUTIER # 1233 QUÉBEC

Logged By

Geologist 1: Brian Belisle, Géo
Geologist 2: Arnaud Fontaine, Géo
Geologist 3:
Geologist 4:

Detailed Lithology

From	To	Lithology	Oxidation	Texture	Grain Size	Tone	Colour
0.00	3.00	**OB, Overburden**					
3.00	35.90	**V3B, Basalt** lightly foliated plagio phyric basalt with sulphide stringers. mainly pyrrhotite with intervals with chalcopyrite. most stringer in foliation	Not Oxidized	Plagioclase phyric	Very Fine Grained	Dark	Grey
35.90	37.55	**I2Y, Porphyry Intermediate Intrusive** Crowded porphyry dyke with UC in broken core and LC in bleached zone		Porphyritic			
37.55	40.70	**V3B, Basalt**		Plagioclase phyric			
40.70	44.75	**I2Y, Porphyry Intermediate Intrusive** 10% plagioclase 1.5 mm		Porphyritic			
44.75	111.00	**V3B, Basalt**					

Mineralization

From	To	Type	Style	%	Comments
27.40	36.00	Sulphides	Stringer	15.00	pyrrhotite; pyrite and chalcopyrite
39.52	39.65	Chalcopyrite	Fracture/vein controlled	5.00	chalcopyrite in qtz. carbonate vein
41.52	41.65	Chalcopyrite	Fracture/vein controlled	3.00	chalcopyrte in a small fracture
41.65	41.67	Sulphides	Fracture/vein controlled	50.00	pyrite and pyrrhotite in fracture
45.70	46.40	Sulphides	Stringer	5.00	mainly pyrrhotite with some chalco
49.80	59.15	Sulphides	Disseminated	1.00	mainly pyrrhotite; pyrite; some chalco
59.20	59.40	Sulphides	Stringer	25.00	

Alteration

From	To	Style	Type	Intensity	Comments
3.00	111.00	Fracture/vein controlled	Carbonatization	Weak	
3.00	111.00	Fracture/vein controlled	Sericitization	Weak	Weak to moderate
6.00	10.00	Fracture/vein controlled	Sericitization	Moderate	
32.00	35.00	Disseminated	Actinolite	Weak	crystals are randomly oriented and their development is post foliation

Hole Number: QK-17-022 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Detailed Lithology

From	To	Lithology	Oxidation	Texture	Grain Size	Tone	Colour
				Plagioclase phyric			

Mineralization

From	To	Type	Style	%	Comments
					pyrrhotite stringer and chalcopyrite stringer 65 core angle
62.90	63.00	Sulphides	Fracture/vein controlled	20.00	pyrrhotite and chalcorite in qtz vein
63.00	70.20	Sulphides	Stringer	1.00	pyrrhotite; pyrite and chalcopyrite
70.20	96.00	Sulphides	Disseminated	0.50	pyrite; pyrrhotite

Sampling

From	To	Sample Number	Sample Type	Au (gpt)	Ag (gpt)	Cu (%)	Zn (%)	Pb (%)	Mg (%)	Fe (%)	Ca (%)
6.00	7.00	410199	ASSAY								
7.00	8.00	410156	ASSAY								
8.00	9.00	410157	ASSAY								
11.00	12.00	410158	ASSAY								
21.00	22.00	410159	ASSAY								
27.00	28.00	410161	ASSAY								
28.00	29.00	410162	ASSAY								
29.00	30.00	410163	ASSAY								
30.00	31.00	410164	ASSAY								
31.00	32.00	410165	ASSAY								
32.00	33.00	410166	ASSAY								
33.00	34.00	410167	ASSAY								
34.00	35.00	410168	ASSAY								
35.00	36.00	410169	ASSAY								
36.00	37.00	410171	ASSAY								

Hole Number: QK-17-022 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Sampling

From	To	Sample Number	Sample Type	Au (gpt)	Ag (gpt)	Cu (%)	Zn (%)	Pb (%)	Mg (%)	Fe (%)	Ca (%)
37.00	38.00	410172	ASSAY								
38.00	39.50	410173	ASSAY								
39.50	40.00	410174	ASSAY								
41.00	42.00	410175	ASSAY								
45.00	46.00	410176	ASSAY								
46.00	47.00	410177	ASSAY								
49.00	50.00	410178	ASSAY								
53.00	54.00	410179	ASSAY								
53.00	54.00	410180	DUP								
59.00	60.00	410181	ASSAY								
62.00	63.00	410182	ASSAY								
63.00	64.00	410183	ASSAY								
64.00	65.00	410184	ASSAY								
65.00	66.00	410185	ASSAY								
66.00	67.00	410186	ASSAY								
67.00	68.00	410187	ASSAY								
68.00	69.00	410188	ASSAY								
69.00	70.00	410189	ASSAY								
70.00	71.00	410191	ASSAY								
71.00	72.00	410192	ASSAY								
72.00	73.00	410193	ASSAY								
76.00	77.00	410194	ASSAY								
80.00	81.00	410195	ASSAY								
84.00	85.00	410196	ASSAY								
95.00	96.00	410197	ASSAY								
103.00	104.00	410198	ASSAY								

Geotechnical

From	To	Interval	Recovery	Recovery %	RQD	RQD %	Comments
3.00	6.00	3.00	3.00	100.00	2.23	74.33	N=000=

Hole Number: QK-17-022 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Geotechnical

From	To	Interval	Recovery	Recovery %	RQD	RQD %	Comments
6.00	9.00	3.00	3.07	102.33	2.15	71.67	=001<M
9.00	12.00	3.00	3.00	100.00	2.44	81.33	<111<
12.00	15.00	3.00	3.00	100.00	2.57	85.67	0<111<
15.00	18.00	3.00	3.05	101.67	2.92	97.33	-10<111<
18.00	21.00	3.00	3.00	100.00	2.83	94.33	-42<111<
21.00	24.00	3.00	3.03	101.00	2.48	82.67	N=011<M
24.00	27.00	3.00	3.02	100.67	2.85	95.00	<111<M
27.00	30.00	3.00	3.04	101.33	2.55	85.00	<111<
30.00	33.00	3.00	3.02	100.67	2.88	96.00	-18<111<
33.00	36.00	3.00	3.04	101.33	2.51	83.67	M<111<
36.00	39.00	3.00	3.05	101.67	2.48	82.67	0<111<
39.00	42.00	3.00	2.96	98.67	2.74	91.33	0<111<
42.00	45.00	3.00	3.07	102.33	2.61	87.00	14<111<
45.00	48.00	3.00	2.86	95.33	2.64	88.00	-12<111<
48.00	51.00	3.00	3.07	102.33	2.87	95.67	M>111.<
51.00	54.00	3.00	3.04	101.33	2.92	97.33	M>11.1<
54.00	57.00	3.00	2.98	99.33	2.73	91.00	-34<111<
57.00	60.00	3.00	2.60	86.67	1.97	65.67	N=000=
60.00	63.00	3.00	3.20	106.67	2.40	80.00	N=111<
63.00	66.00	3.00	3.07	102.33	2.86	95.33	0<111<
66.00	69.00	3.00	2.96	98.67	2.40	80.00	95<111<
69.00	72.00	3.00	3.02	100.67	2.60	86.67	-12<111<
72.00	75.00	3.00	3.08	102.67	2.77	92.33	0<111<
75.00	78.00	3.00	3.00	100.00	2.91	97.00	0<111<
78.00	81.00	3.00	2.93	97.67	2.64	88.00	20<111<
81.00	84.00	3.00	3.00	100.00	2.56	85.33	0<111<
84.00	87.00	3.00	2.98	99.33	2.81	93.67	M>111>
87.00	90.00	3.00	3.07	102.33	2.85	95.00	M>11.1<

Hole Number: QK-17-022 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Geotechnical

From	To	Interval	Recovery	Recovery %	RQD	RQD %	Comments
90.00	93.00	3.00	3.04	101.33	2.82	94.00	70<111<
93.00	96.00	3.00	3.02	100.67	2.67	89.00	0<111<
96.00	99.00	3.00	3.04	101.33	3.04	101.33	-10<111<
99.00	102.00	3.00	2.98	99.33	2.96	98.67	30<111<
102.00	105.00	3.00	2.98	99.33	2.74	91.33	0<111<
105.00	108.00	3.00	3.00	100.00	2.80	93.33	-10<111<M
108.00	111.00	3.00	3.03	101.00	2.59	86.33	<111<

Structure

From	To	Structure	Alpha	Beta	Fill Material 1	Fill Material 2	Comments
27.80	36.00	Foliation	65.00	320.00			
30.40	30.60	Quartz vein					20 cm whtie qtz vein with pyrrhotite and chalcopyrite.
39.54	39.65	Quartz vein					qtz vein chalcopyrite

Point Structure

At	Structure	Alpha	Beta	Core Azi	Core Dip	Calculated Dip	Calculated Strike	Apparent Dip	Dip Direction	Gamma	Joint Fill 1	Fill Material 1	Joint Fill 2	Fill Material 2	Comments
6.32	Calcite vein	55													
28.50	Stringer	42	240	200.30	-79.00	-43.30	180.08	0	270.08						Pyrite with pyrrhotite and chalcopyrite stringer
31.10	Stringer	75	150	200.30	-79.00	-7.72	35.73	0	125.73						Pyrrhotite with pyrite and minor chalcopyrite stringer
31.50	Stringer	54	62	200.30	-79.00	-42.14	340.97	0	70.97						Chalcopyrite stringer
31.90	Foliation	65	320	200.30	-79.00	-34.12	261.33	0	351.33						Measurement of Struture Table
32.70	Shearing	10	240	200.30	-79.00	-74.67	172.47	0	262.47						C planes in CS structure
43.16	Calcite vein	55	90	200.30	-79.00	-36.48	5.06	0	95.06						
44.75	Contact	84	250	200.30	-79.00	-10.56	257.88	0	347.88						Lower contact if porphyry dyke
64.82		85	350	200.30	-79.00	-15.95	287.14	0	17.14						stringer of chalco
72.43	Quartz vein	70	10	200.30	-79.00	-30.89	296.94	0	26.94						qtz vein in middle of serecitization zone
76.12	Fault	60	275	200.30	-79.00	-32.67	222.97	0	312.97		hard>5mm	quartz	soft>5mm	calcite	

Hole Number: QK-17-022 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Point Structure

At	Structure	Alpha	Beta	Core Azi	Core Dip	Calculated Dip	Calculated Strike	Apparent Dip	Dip Direction	Gamma	Joint Fill 1	Fill Material 1	Joint Fill 2	Fill Material 2	Comments
79.81															
95.40	Brecciation										soft>5mm	calcite			with carbonates matrix and mafic clast

Orford Mining

Drill Log Report

Hole Number: QK-17-023 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Project

Project Number: Qiqavik Drilling
Date Started: août 09, 2017
Date Completed: août 11, 2017
Drilling Contractor: Forage G4
Survey Contractor:
Date Logged: août 11, 2017

Drilling

Making Water: N **OIH Comments:**
Gas Intersected: N
Is Hole Plugged: N
Object in Hole: N **Material LIH:**
Is Cemented: N
Is Hole Blocked:
Verified: N

Collar

NTS: 35G11 **Collar Dip:** -45.00
UTM Zone: UTM83-18 **Collar Azi:** 330.00
Lot: **Length:** 111.00
Township:
Range / Concession:
Claim Number: 2435168 **Core Size:** NQ
Collar Survey Type: **Casing Status:** Left In Hole

Coordinates

UTM Coordinates
North: 6,824,894.00
East: 477,310.00
Elev: 410.00

GÉOLOGUE ROBERT CLOUTIER # 1233 QUÉBEC

Logged By

Geologist 1: Brian Belisle, Géo
Geologist 2: Arnaud Fontaine, Géo
Geologist 3:
Geologist 4:

Detailed Lithology

From	To	Lithology	Oxidation	Texture	Grain Size	Tone	Colour
0.00	0.54	**OB, Overburden**					
0.54	27.40	**I1C, Granodiorite** granodiorite. chlorite and calcite alteration near structural event	Not Oxidized	Massive	Medium Grained	Light	cream
27.40	31.20	**ShrZ, Shear Zone** sheared granodiorite with silica flooding. little arsenoppyrite. 55 degres from core. no beta angle	Not Oxidized		Medium Grained	Medium	Grey
31.20	65.30	**I1C, Granodiorite** granodiorite. chlorite and calcite alteration near structural event	Not Oxidized	Massive	Medium Grained	Light	cream
65.30	67.30	**ShrZ, Shear Zone** sheared granodiorite. little silica flooding. sphalerite. shear at 55/80					

Mineralization

From	To	Type	Style	%	Comments
26.00	31.40	Pyrite	Disseminated	2.00	cracked pyrite in shear zone; some arsenopyrite
29.85	29.90	Arsenopyrite	Fracture/vein controlled	1.00	arsenopyrite in qtz vein
64.00	68.00	Pyrite	Disseminated	1.00	pyrite in shear zone; sometimes in beds
65.80	65.90	Sphalerite	Bedded	1.00	sphalerite in beds with pyrite in the shear zone

Alteration

From	To	Style	Type	Intensity
0.54	31.20	Fracture/vein controlled	Chloritization	Moderate
0.54	111.00	Fracture/vein controlled	Calcite	Moderate
60.90	75.40	Fracture/vein controlled	Chloritization	Moderate
78.30	111.00	Fracture/vein controlled	Chloritization	Moderate

Hole Number: QK-17-023 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Detailed Lithology

From	To	Lithology			
		Not Oxidized	Medium Grained	Medium	Grey
67.30	111.00	**I1C, Granodiorite** granodiorite. chlorite and calcite alteration near structural event			
		Oxidation	**Texture**	**Grain Size**	**Tone**	**Colour**
		Not Oxidized	Massive	Medium Grained	Light	cream

Sampling

From	To	Sample Number	Sample Type	Au (gpt)	Ag (gpt)	Cu (%)	Zn (%)	Pb (%)	Mg (%)	Fe (%)	Ca (%)
3.00	4.00	410200	ASSAY								
6.00	7.00	410201	ASSAY								
9.00	10.00	410202	ASSAY								
15.00	16.00	410203	ASSAY								
19.00	20.00	410204	ASSAY								
20.00	21.00	410205	ASSAY								
21.00	22.00	410206	ASSAY								
22.00	23.00	410207	ASSAY								
23.00	24.00	410208	ASSAY								
24.00	25.00	410209	ASSAY								
25.00	26.00	410211	ASSAY								
26.00	27.00	410212	ASSAY								
27.00	28.00	410213	ASSAY								
28.00	29.00	410214	ASSAY								
29.00	29.70	410216	ASSAY								
29.70	30.00	410217	ASSAY								
30.00	31.00	410218	ASSAY								
31.00	32.00	410219	ASSAY								
31.00	32.00	410220	DUP								
32.00	33.00	410221	ASSAY								
33.00	34.00	410222	ASSAY								

Hole Number: QK-17-023 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Sampling

From	To	Sample Number	Sample Type	Au (gpt)	Ag (gpt)	Cu (%)	Zn (%)	Pb (%)	Mg (%)	Fe (%)	Ca (%)
34.00	35.00	410223	ASSAY								
41.00	42.00	410224	ASSAY								
48.00	49.00	410225	ASSAY								
52.00	53.00	410226	ASSAY								
56.00	57.00	410227	ASSAY								
60.00	61.00	410228	ASSAY								
61.00	62.00	410229	ASSAY								
62.00	63.00	410231	ASSAY								
63.00	64.00	410232	ASSAY								
64.00	65.00	410233	ASSAY								
65.00	65.60	410234	ASSAY								
65.60	66.00	410252	ASSAY								
66.00	67.00	410235	ASSAY								
67.00	68.00	410236	ASSAY								
68.00	69.00	410237	ASSAY								
69.00	70.00	410238	ASSAY								
70.00	71.00	410239	ASSAY								
71.00	72.00	410241	ASSAY								
72.00	73.00	410242	ASSAY								
73.00	74.00	410243	ASSAY								
74.00	75.00	410244	ASSAY								
78.00	79.00	410245	ASSAY								
83.00	84.00	410246	ASSAY								
88.00	89.00	410247	ASSAY								
90.80	92.10	410248	ASSAY								
96.00	97.00	410249	ASSAY								
96.00	97.00	410250	DUP								
108.00	109.00	410251	ASSAY								

Geotechnical

Hole Number: QK-17-023 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Geotechnical

From	To	Interval	Recovery	Recovery %	RQD	RQD %	Comments
0.54	3.00	2.46	2.46	100.00	2.08	84.55	N=000=
3.00	6.00	3.00	3.08	102.67	2.70	90.00	N=000=
6.00	9.00	3.00	2.99	99.67	2.55	85.00	N=000=
9.00	12.00	3.00	2.91	97.00	2.74	91.33	N=000<M
12.00	15.00	3.00	3.04	101.33	2.77	92.33	<111<
15.00	18.00	3.00	2.99	99.67	2.76	92.00	0<111<
18.00	21.00	3.00	3.02	100.67	2.81	93.67	0<111<
21.00	24.00	3.00	2.99	99.67	2.89	96.33	M>101<
24.00	27.00	3.00	2.98	99.33	2.63	87.67	M>11.1<
27.00	30.00	3.00	3.03	101.00	2.46	82.00	M>110<
30.00	33.00	3.00	3.01	100.33	2.62	87.33	M>1.11<
33.00	36.00	3.00	3.02	100.67	2.35	78.33	0<111<
36.00	39.00	3.00	2.97	99.00	2.97	99.00	M>100=
39.00	42.00	3.00	2.88	96.00	2.50	83.33	N=001<
42.00	45.00	3.00	3.00	100.00	2.82	94.00	0<111<
45.00	48.00	3.00	3.02	100.67	3.02	100.67	-12<111<
48.00	51.00	3.00	3.00	100.00	2.96	98.67	0<111<M
51.00	54.00	3.00	2.93	97.67	2.66	88.67	<111<
54.00	57.00	3.00	3.10	103.33	2.96	98.67	0<111<
57.00	60.00	3.00	2.96	98.67	2.88	96.00	0<111<
60.00	63.00	3.00	2.87	95.67	2.77	92.33	-5<111<
63.00	66.00	3.00	3.05	101.67	2.71	90.33	0<111<
66.00	69.00	3.00	3.02	100.67	2.15	71.67	M>000<M
69.00	72.00	3.00	2.91	97.00	2.57	85.67	<111<
72.00	75.00	3.00	2.95	98.33	2.71	90.33	-5<111<
75.00	78.00	3.00	3.16	105.33	2.97	99.00	M>111>
78.00	81.00	3.00	2.94	98.00	2.86	95.33	M>111>
81.00	84.00	3.00	2.99	99.67	2.99	99.67	5<111<

Hole Number: QK-17-023 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Geotechnical

From	To	Interval	Recovery	Recovery %	RQD	RQD %	Comments
84.00	87.00	3.00	2.95	98.33	2.90	96.67	0<111<
87.00	90.00	3.00	3.05	101.67	2.96	98.67	-10<111<
90.00	93.00	3.00	3.02	100.67	2.94	98.00	0<111<
93.00	96.00	3.00	2.96	98.67	2.88	96.00	-5<111<
96.00	99.00	3.00	2.95	98.33	2.70	90.00	-15<111<M
99.00	102.00	3.00	2.97	99.00	2.82	94.00	<111<M
102.00	105.00	3.00	3.11	103.67	2.98	99.33	<111<
105.00	108.00	3.00	2.90	96.67	2.77	92.33	110<111<
108.00	111.00	3.00	3.13	104.33	3.13	104.33	-120<111<

Structure

From	To	Structure	Alpha	Beta	Fill Material 1	Fill Material 2	Comments
56.08	56.19	Dyke	60.00	210.00			felsic dyke with basalt enclave. Seems to be post granodiorite event since all 3 felsic dykes have same orientation and seems same composition. same event.
56.59	56.64	Dyke	60.00	220.00			felsic dyke
56.79	56.84	Dyke	60.00	205.00			felsic dyke
90.80	92.10	Dyke					mafic dyke. diabase ?

Point Structure

At	Structure	Alpha	Beta	Core Azi	Core Dip	Calculated Dip	Calculated Strike	Apparent Dip	Dip Direction	Gamma	Joint Fill 1	Fill Material 1	Joint Fill 2	Fill Material 2	Comments
29.90	Quartz vein	55													qtz vein with arsenopyrite.
56.14	Dyke	60	210	330.00	-45.00	-23.28	20.77	0	110.77						Measurement of Struture Table
56.62	Dyke	60	220	330.00	-45.00	-27.97	16.74	0	106.74						Measurement of Struture Table
56.82	Dyke	60	205	330.00	-45.00	-21.12	24.10	0	114.10						Measurement of Struture Table
63.60	Calcite vein	35	300	330.00	-45.00	-83.34	14.42	0	104.42						
66.00	Shearing	55	80	330.00	-45.00	-59.42	101.01	0	191.01						
71.02	Quartz vein	35	330	330.00	-45.00	-84.49	215.70	0	305.70						
73.93	Fault	65	270	330.00	-45.00	-50.14	26.60	0	116.60						rust in fracture
83.68	Calcite vein	30	290	330.00	-45.00	-81.71	4.68	0	94.68						

Hole Number: QK-17-023 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Point Structure

At	Structure	Alpha	Beta	Core Azi	Core Dip	Calculated Dip	Calculated Strike	Apparent Dip	Dip Direction	Gamma	Joint Fill 1	Fill Material 1	Joint Fill 2	Fill Material 2	Comments
88.86	Calcite vein	45	310	330.00	-45.00	-79.71	26.60	0	116.60						
91.86	Calcite vein	85	280	330.00	-45.00	-46.08	53.16	0	143.16						

Orford Mining

Drill Log Report

Hole Number: QK-17-024 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Project

Project Number: Qiqavik Drilling
Date Started: août 10, 2017
Date Completed: août 10, 2017
Drilling Contractor: Forage G4
Survey Contractor:
Date Logged: août 12, 2017

Drilling

Making Water: N **OIH Comments:**
Gas Intersected: N
Is Hole Plugged: N
Object in Hole: N **Material LIH:**
Is Cemented: N
Is Hole Blocked:
Verified: N

Collar

NTS: 35G12 **Collar Dip:** -45.00
UTM Zone: UTM83-18 **Collar Azi:** 145.00
Lot: **Length:** 114.00
Township:
Range / Concession:
Claim Number: 2442185 **Core Size:** NQ
Collar Survey Type: **Casing Status:** Left In Hole

Coordinates

UTM Coordinates
North: 6,832,978.00
East: 456,840.00
Elev: 270.00

Logged By

Geologist 1: Arnaud Fontaine, Géo
Geologist 2: Brian Belisle, Géo
Geologist 3:
Geologist 4:

GÉOLOGUE ROBERT CLOUTIER #1233 QUÉBEC

Detailed Lithology

From	To	Lithology	Oxidation	Texture	Grain Size	Tone	Colour
0.00	3.00	**OB, Overburden**					
3.00	9.56	**V3B, Basalt**		Massive	Very Fine Grained		
9.56	13.24	**I4B, Pyroxenite** Pyroxenite dyke in basalt	Not Oxidized	Massive	Medium Grained	Medium	black
13.24	14.86	**V3B, Basalt**		Massive	Very Fine Grained		
14.86	61.10	**V3B, Basalt** High schistosity in the basalt. altered to sericite between 44 and 60 with fuschsite in fracture filling.	Not Oxidized	Schistose	Very Fine Grained	Dark	Grey

Mineralization

From	To	Type	Style	%	Comments
3.00	9.56	Pyrite	Trace	0.01	
14.50	25.00	Sulphides	Bedded	0.10	Bedding and fracture filling of pyrite and pyrrhotite in schistosity
25.00	43.50	Sulphides	Bedded	0.05	trace of pyrhottie and pyrite in the bedding of the basalt
44.00	45.00	Pyrite	Fracture/vein controlled	1.00	Idiomorphic pyrite on the boundary of the quartz vein and along the schistosity of the basalt
45.00	53.71	Pyrite	Disseminated	0.50	Disseminated idiomorphic pyrite
53.71	54.05	Pyrrhotite	Fracture/vein controlled	0.50	
54.05	57.29	Sulphides	Bedded	0.50	Pyrite and pyrrhotite in schistosity

Alteration

From	To	Style	Type	Intensity	Comments
34.90	43.00	Pervasive	Chloritization	Moderate	
35.00	88.00	Fracture/vein controlled	Carbonatization	Moderate	Presence of ankerite associated with some veins. Fracture filling carbonate
43.00	61.00	Pervasive	Sericitization	Moderate	
44.80	60.00	Fracture/vein controlled	Fuchsite	Weak	Associated to the quartz vein
74.00	95.50	Pervasive	Sericitization	Moderate	
102.50	105.00	Fracture/vein controlled	Sericitization	Weak	
105.00	114.00	Pervasive	Chloritization	Weak	

Detailed Lithology

From	To	Lithology
61.10	93.50	**V3B, Basalt** Basalt with high density of quartz vein. Sericitized from 74.5 by the quartz vein. **Oxidation:** Not Oxidized; **Texture:** Foliated; **Grain Size:** Very Fine Grained; **Tone:**; **Colour:**
93.50	104.81	**V3B, Basalt** High shcitosity in the basalt. **Oxidation:**; **Texture:** Schistose; **Grain Size:** Very Fine Grained; **Tone:**; **Colour:**
104.81	114.00	**I3, Intrusive Mafic Rocks** Foliated mafic rock with different foliation angle. Passing to the core axis locally. **Oxidation:**; **Texture:** Foliated; **Grain Size:**; **Tone:**; **Colour:**

Mineralization

From	To	Type	Style	%	Comments
57.29	57.78	Phlogopite	Fracture/vein controlled	0.50	Pyrite and pyrrhotite associated with the fuschite in the fault
57.78	60.00	Pyrite	Disseminated	0.10	Disseminated idiomorphic pyrite in schistose basalt and on the boundary of the quartz vein
60.00	61.53	Pyrite	Disseminated	1.00	Disseminated idiomorphic pyrite in schistose basalt
61.53	61.57	Pyrite	Fracture/vein controlled	10.00	Fracture filling pyrite associated to a quatz vein
61.57	66.00	Pyrite	Bedded	0.70	Idiomorphic pyrite in the bedding of the Schsitose basalt
66.00	71.10	Sulphides	Disseminated	0.10	Presence of pyrrhotite and pyrite in basalt
71.10	73.60	Pyrite	Fracture/vein controlled	0.50	
73.60	77.10	Pyrite	Fracture/vein controlled	2.50	Pyrite in fracture filling. Associated to the qaurtz veins
77.10	77.25	Pyrite	Fracture/vein controlled	30.00	Pyrite associated with a quartz vein

Hole Number: QK-17-024 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Mineralization

From	To	Type	Style	%
77.25	80.46	Pyrite	Disseminated	2.00
		Comments Disseminated idiomorphic pyrite and in fracture filling.		
80.46	80.78	Chalcopyrite	Fracture/vein controlled	0.10
		Comments Chalcopyrite and pyrite in fracture filling of the fault		
80.78	84.68	Pyrite	Fracture/vein controlled	2.00
		Comments Fracture filling and disseminated idiomorphic pyrite in the sericitized basalt		
84.68	85.26	Pyrrhotite	Fracture/vein controlled	0.10
		Comments Pyrrhotite and pyrite associated to the quartz vein		
85.26	105.00	Pyrite	Fracture/vein controlled	0.05
		Comments Presence of pyrite in the schistosity of the basalt		
105.00	114.00	Pyrrhotite	Disseminated	0.05
		Comments Trace of pyrrhotite in the mafic unit		

Sampling

From	To	Sample Number	Sample Type	Au (gpt)	Ag (gpt)	Cu (%)	Zn (%)	Pb (%)	Mg (%)	Fe (%)	Ca (%)
6.00	7.00	410253	ASSAY								
9.00	10.00	410254	ASSAY								
12.00	13.00	410255	ASSAY								
14.00	15.00	410256	ASSAY								

Hole Number: QK-17-024 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Sampling

From	To	Sample Number	Sample Type	Au (gpt)	Ag (gpt)	Cu (%)	Zn (%)	Pb (%)	Mg (%)	Fe (%)	Ca (%)
15.00	16.00	410257	ASSAY								
18.00	19.00	410258	ASSAY								
21.00	22.00	410259	ASSAY								
24.00	25.00	410261	ASSAY								
27.00	28.00	410262	ASSAY								
30.00	31.00	410263	ASSAY								
33.00	34.00	410264	ASSAY								
36.00	37.00	410265	ASSAY								
39.00	40.00	410266	ASSAY								
41.50	42.50	410267	ASSAY								
43.50	44.10	410268	ASSAY								
44.10	44.54	410269	ASSAY								
44.54	44.86	410271	ASSAY								
44.86	45.32	410272	ASSAY								
45.32	46.00	410273	ASSAY								
46.00	47.00	410274	ASSAY								
47.00	48.00	410275	ASSAY								
48.00	49.00	410276	ASSAY								
49.00	50.00	410277	ASSAY								
50.00	51.00	410278	ASSAY								
51.00	51.48	410279	ASSAY								
51.48	52.60	410280	DUP								
51.48	52.60	410281	ASSAY								
52.60	53.71	410282	ASSAY								
53.71	54.05	410283	ASSAY								
54.05	55.00	410284	ASSAY								
55.00	55.61	410285	ASSAY								
55.61	56.55	410286	ASSAY								
56.55	57.27	410287	ASSAY								

Hole Number: QK-17-024 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Sampling

From	To	Sample Number	Sample Type	Au (gpt)	Ag (gpt)	Cu (%)	Zn (%)	Pb (%)	Mg (%)	Fe (%)	Ca (%)
57.27	57.82	410288	ASSAY								
57.82	58.43	410289	ASSAY								
58.43	59.10	410291	ASSAY								
59.10	59.50	410292	ASSAY								
59.50	60.50	410293	ASSAY								
60.50	61.44	410294	ASSAY								
61.44	61.84	410295	ASSAY								
61.84	63.00	410296	ASSAY								
63.00	64.00	410297	ASSAY								
64.00	64.91	410298	ASSAY								
64.91	65.58	410299	ASSAY								
65.58	66.14	410301	ASSAY								
66.14	67.02	410302	ASSAY								
67.02	68.00	410303	ASSAY								
68.00	69.00	410304	ASSAY								
69.00	70.00	410305	ASSAY								
70.00	71.12	410306	ASSAY								
71.12	71.66	410307	ASSAY								
71.66	72.35	410308	ASSAY								
72.35	73.00	410309	ASSAY								
72.35	73.00	410310	DUP								
73.00	74.00	410311	ASSAY								
74.00	74.64	410312	ASSAY								
74.64	75.10	410313	ASSAY								
75.10	75.88	410314	ASSAY								
75.88	76.26	410315	ASSAY								
76.26	76.72	410316	ASSAY								
76.72	77.04	410317	ASSAY								
77.04	77.49	410318	ASSAY								

Hole Number: QK-17-024 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Sampling

From	To	Sample Number	Sample Type	Au (gpt)	Ag (gpt)	Cu (%)	Zn (%)	Pb (%)	Mg (%)	Fe (%)	Ca (%)
77.49	78.44	410319	ASSAY								
78.44	79.40	410321	ASSAY								
79.40	80.42	410322	ASSAY								
80.42	80.83	410323	ASSAY								
80.83	81.49	410324	ASSAY								
81.49	82.20	410325	ASSAY								
82.20	83.37	410326	ASSAY								
83.37	83.84	410327	ASSAY								
83.84	84.64	410328	ASSAY								
84.64	85.26	410329	ASSAY								
85.26	85.78	410331	ASSAY								
85.78	86.32	410332	ASSAY								
86.32	87.00	410333	ASSAY								
87.00	88.00	410334	ASSAY								
88.00	89.00	410335	ASSAY								
89.00	90.00	410336	ASSAY								
90.00	90.65	410337	ASSAY								
90.65	92.00	410338	ASSAY								
92.00	92.34	410339	ASSAY								
92.34	93.23	410340	DUP								
92.34	93.23	410341	ASSAY								
93.23	93.73	410342	ASSAY								
93.73	94.53	410343	ASSAY								
94.53	95.00	410344	ASSAY								
95.00	96.00	410345	ASSAY								
96.00	97.00	410346	ASSAY								
97.00	98.00	410347	ASSAY								
98.00	99.00	410348	ASSAY								
99.00	100.00	410349	ASSAY								

Hole Number: QK-17-024 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Sampling

From	To	Sample Number	Sample Type	Au (gpt)	Ag (gpt)	Cu (%)	Zn (%)	Pb (%)	Mg (%)	Fe (%)	Ca (%)
100.00	101.00	410351	ASSAY								
101.00	102.00	410352	ASSAY								
102.00	103.00	410353	ASSAY								
103.00	103.67	410354	ASSAY								
103.67	104.23	410355	ASSAY								
104.23	104.91	410356	ASSAY								
104.91	106.00	410357	ASSAY								
106.00	107.00	410358	ASSAY								
108.00	109.00	410359	ASSAY								
111.00	112.00	410361	ASSAY								

Geotechnical

From	To	Interval	Recovery	Recovery %	RQD	RQD %	Comments
3.00	6.00	3.00	2.98	99.33	0.60	20.00	N=000<
6.00	9.00	3.00	3.10	103.33	1.69	56.33	20<111<
9.00	12.00	3.00	2.97	99.00	2.55	85.00	M>001<
12.00	15.00	3.00	2.89	96.33	1.76	58.67	M>100=
15.00	18.00	3.00	2.96	98.67	1.08	36.00	N=000=
18.00	21.00	3.00	2.91	97.00	1.72	57.33	N=001<
21.00	24.00	3.00	3.03	101.00	1.64	54.67	N=001<
24.00	27.00	3.00	3.11	103.67	2.56	85.33	M>111=
27.00	30.00	3.00	3.00	100.00	1.83	61.00	N=111<
30.00	33.00	3.00	3.00	100.00	2.33	77.67	-20<111<
33.00	36.00	3.00	2.98	99.33	1.86	62.00	-15<111<
36.00	39.00	3.00	3.02	100.67	1.70	56.67	M>11.1<M
39.00	42.00	3.00	2.92	97.33	2.21	73.67	<111<
42.00	45.00	3.00	3.02	100.67	2.10	70.00	M>110<
45.00	48.00	3.00	3.06	102.00	2.30	76.67	-150<111<
48.00	51.00	3.00	3.08	102.67	2.55	85.00	M>111>

Hole Number: QK-17-024 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Geotechnical

From	To	Interval	Recovery	Recovery %	RQD	RQD %	Comments
51.00	54.00	3.00	2.90	96.67	1.80	60.00	M>110<M
54.00	57.00	3.00	3.04	101.33	2.24	74.67	<111<
57.00	60.00	3.00	2.95	98.33	2.12	70.67	-20<111<M
60.00	63.00	3.00	3.05	101.67	2.00	66.67	<111<
63.00	66.00	3.00	3.00	100.00	2.39	79.67	M>101<
66.00	69.00	3.00	3.16	105.33	2.56	85.33	20<111<
69.00	72.00	3.00	2.95	98.33	2.72	90.67	M>111=
72.00	75.00	3.00	3.00	100.00	2.73	91.00	N<111<M
75.00	78.00	3.00	2.87	95.67	2.78	92.67	<111<
78.00	81.00	3.00	3.00	100.00	2.14	71.33	M>110<
81.00	84.00	3.00	3.30	110.00	2.72	90.67	-15<111<
84.00	87.00	3.00	2.97	99.00	1.89	63.00	M>100<
87.00	90.00	3.00	2.94	98.00	2.41	80.33	M>110=
90.00	93.00	3.00	3.04	101.33	2.40	80.00	N=000=
93.00	96.00	3.00	2.91	97.00	2.30	76.67	N=001<
96.00	99.00	3.00	3.00	100.00	2.00	66.67	M>101<
99.00	102.00	3.00	2.93	97.67	2.43	81.00	0<111<
102.00	105.00	3.00	2.98	99.33	2.36	78.67	-50<111<
105.00	108.00	3.00	3.04	101.33	2.64	88.00	34<111<
108.00	111.00	3.00	3.06	102.00	2.92	97.33	15<111<
111.00	114.00	3.00	2.95	98.33	2.75	91.67	140<111<

Structure

From	To	Structure	Alpha	Beta	Fill Material 1	Fill Material 2	Comments
44.62	44.88	Quartz vein			carbonate		Quartz vein with interflow sediments xenolith. Fluidic movement
53.72	54.05	Quartz vein	75.00	80.00			Quartz vein with weak pyrrhotite.
56.39	56.48	Quartz vein	60.00	140.00			Quartz vein with weak pyrite
57.29	57.78	Shearing	35.00	150.00	carbonate		Shear zone filled with quartz with shards of ankerite. Fracture filling pyrrhotite and pyrite along with fuchsite

Hole Number: QK-17-024 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Structure

From	To	Structure	Alpha	Beta	Fill Material 1	Fill Material 2	Comments
59.11	59.47	Quartz vein	40.00	300.00			Quartz vein with mafic enclave. Weak pyrhottite in fracture filling.
61.53	61.56	Quartz vein	45.00	130.00			Small quartz vein with high density of pyrite on the boundary.
64.95	65.11	Quartz vein	40.00	120.00			Massive quartz vein with idiomorphic pyrite on the boundary
71.14	71.56	Quartz vein					Massive quartz vein with pyrite in fracture filling
74.57	77.52	Quartz vein					High density of multiple quartz vein. Pyrite associated with most of the veins
80.44	80.76	Shearing	45.00	100.00			Fault filled with quartz with pyrite and chalcopyrite
83.41	83.81	Quartz vein	22.00	135.00			white quartz vein with ankerite. Pyrite on the boundary
84.65	85.26	Quartz vein					
92.26	92.31	Quartz vein					White quartz vein with few idiomorhpic pyrtie
93.24	93.34	Quartz vein					White quartz vein with few idiomorhpic pyrite
104.49	104.81	Quartz vein					White quartz vein

Point Structure

At	Structure	Alpha	Beta	Core Azi	Core Dip	Calculated Dip	Calculated Strike	Apparent Dip	Dip Direction	Gamma	Joint Fill 1	Fill Material 1	Joint Fill 2	Fill Material 2	Comments
13.24	Contact	75	130	145.00	-45.00	-36.81	254.32	0	344.32						Lower contact between the gabbro and the basalt
30.00	Schistosity	65	140	145.00	-45.00	-29.57	268.40	0	358.40						Schistosity in the foliated basalt
42.00	Schistosity	47	120	145.00	-45.00	-40.69	299.95	0	29.95						Schictosity in the foliated basalt
53.72	Quartz vein	75	80	145.00	-45.00	-49.37	254.63	0	344.63						Lower contact of the quartz vein. Measurement of Struture Table
56.44	Quartz vein	60	140	145.00	-45.00	-27.97	278.26	0	8.26						Measurement of Struture Table
57.78	Shearing	35	150	145.00	-45.00	-24.88	338.20	0	68.20						lower contact of the shearing. Measurement of Struture Table
59.29	Quartz vein	40	300	145.00	-45.00	-79.42	192.55	0	282.55						Measurement of Struture Table
61.55	Quartz vein	45	130	145.00	-45.00	-34.78	306.75	0	36.75						Measurement of Struture Table
65.11	Quartz vein	40	120	145.00	-45.00	-43.50	309.52	0	39.52						Lower contact of a milky quartz vein. Measurement of Struture Table
74.81	Quartz vein	35	130	145.00	-45.00	-38.93	321.97	0	51.97						Quartz vein with sericite alteration halo

Hole Number: QK-17-024 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Point Structure

At	Structure	Alpha	Beta	Core Azi	Core Dip	Calculated Dip	Calculated Strike	Apparent Dip	Dip Direction	Gamma	Joint Fill 1	Fill Material 1	Joint Fill 2	Fill Material 2	Comments
80.76	Shearing	45	100	145.00	-45.00	-54.07	294.32	0	24.32						Lower contact of a shearing. Measurement of Struture Table
83.81	Quartz vein	22	135	145.00	-45.00	-43.24	341.86	0	71.86						Lower contact of a quartz vein. Measurement of Struture Table
84.20	Shearing	15	120	145.00	-45.00	-58.36	335.73	0	65.73						Small shear zone
99.00	Schistosity	45	80	145.00	-45.00	-65.60	284.88	0	14.88						Schistosity in basalt
103.45	Schistosity	45	160	145.00	-45.00	-14.11	317.89	0	47.89						schistosity in basalt
104.81	Quartz vein	40	140	145.00	-45.00	-29.60	320.41	0	50.41						Lower contact of quartz vein. Vague contact
106.00	Foliation	40	90	145.00	-45.00	-62.97	294.32	0	24.32						Foliation tendence in the area of the mafic unit
108.15	Foliation	45	50	145.00	-45.00	-79.71	268.40	0	358.40						Foliation tendence in the area of the mafic unit

Orford Mining

Drill Log Report

Hole Number: QK-17-025 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Project

Project Number: Qiqavik Drilling
Date Started: août 11, 2017
Date Completed: août 15, 2017
Drilling Contractor: Forage G4
Survey Contractor:
Date Logged: août 13, 2017

Drilling

Making Water: N **OIH Comments:**
Gas Intersected: N
Is Hole Plugged: N
Object in Hole: N **Material LIH:**
Is Cemented: N
Is Hole Blocked:
Verified: N

Collar

NTS: 35G11 **Collar Dip:** -45.00
UTM Zone: UTM83-18 **Collar Azi:** 0.00
Lot: **Length:** 180.00
Township:
Range / Concession:
Claim Number: 2435168 **Core Size:** NQ
Collar Survey Type: **Casing Status:** Left In Hole

Coordinates

UTM Coordinates
North: 6,824,701.00
East: 477,201.00
Elev: 410.00

GÉOLOGUE ROBERT CLOUTIER # 1233 QUÉBEC

Logged By

Geologist 1: Arnaud Fontaine, Géo
Geologist 2:
Geologist 3:
Geologist 4:

Detailed Lithology

From	To	Lithology	Oxidation	Texture	Grain Size	Tone	Colour
0.00	3.86	**OB, Overburden**					
3.86	26.85	**I1C, Granodiorite** Medium to coarse granodiorite. Locally more blurry by chloritization and carbonatiation associated to small fractures. Presence of small mafic dyke and mafic enclave.		Massive	Medium Grained		
26.85	27.48	**I3, Intrusive Mafic Rocks** Mafic Dyke. Small foliation in the dyke.		Foliated	Very Fine Grained		
27.48	33.10	**I1C, Granodiorite** Medium to coarse granodiorite. Locally more blurry by chloritization and carbonatiation associated to small fractures. Presence of small mafic dyke and mafic enclave.		Massive	Medium Grained		
33.10	35.16	**ShrZ, Shear Zone** Sheared granodiorite. Small seritization. Quartz eyes. No apparent mineralization.					

Mineralization

From	To	Type	Style	%	Comments
3.82	153.29	Pyrrhotite	Fracture/vein controlled	0.01	Trace of pyrrhotite in the small fracture
153.29	154.26	Pyrite	Fracture/vein controlled	0.50	Pyrite along the shearing. More frequent as the shear is developped.
154.26	158.69	Pyrite	Disseminated	0.05	Few grain of pyrite in the granodiorite
158.69	159.47	Pyrite	Fracture/vein controlled	0.10	Pyrite along the shearing. Weak mineralization
159.47	169.65	Pyrite	Disseminated	0.01	Rare grain of pyrite in the granodiorite. Higher frequancy but still low in the sericitized granodiorite.
169.65	171.95	Pyrite	Fracture/vein controlled	0.05	

Alteration

From	To	Style	Type	Intensity	Comments
3.82	180.00	Fracture/vein controlled	Carbonatization	Weak	Carbonatization associated to the fractures
3.82	180.00	Fracture/vein controlled	Chloritization	Moderate	Chloritization associated to the fractures.
99.00	111.00	Pervasive	Hematization	Weak	Weak pink tint of hematiztion in the granodiorite
138.49	151.80	Pervasive	Hematization	Weak	Weak pink tint of hematiztion in the granodiorite
151.00	172.00	Along Foliation	Sericitization	Moderate	Weak to moderate seritization in the shear zone along the shearing.
159.00	163.50	Fracture/vein controlled	Carbonatization	Moderate	

Hole Number: QK-17-025 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Detailed Lithology

From	To	Lithology
35.16	71.21	**I1C, Granodiorite** Medium to coarse granodiorite. Locally more blurry by chloritization and carbonatiation associated to small fractures. Presence of small mafic dyke and mafic enclave. **Oxidation** **Texture** **Grain Size** **Tone** **Colour** Massive Medium Grained
71.21	71.78	**ShrZ, Shear Zone** Small shear zone. Weakly developped. No apprent mineralization. No beta orientation possible **Oxidation** **Texture** **Grain Size** **Tone** **Colour**
71.78	77.21	**I1C, Granodiorite** Medium to coarse granodiorite. Locally more blurry by chloritization and carbonatiation associated to small fractures. Presence of small mafic dyke and mafic enclave. **Oxidation** **Texture** **Grain Size** **Tone** **Colour** Massive Medium Grained
77.21	78.87	**I3, Intrusive Mafic Rocks** Mafic dyke with quartz vein on the boundary inside the dyke. Weakly foliated **Oxidation** **Texture** **Grain Size** **Tone** **Colour** Foliated Very Fine Grained
78.87	153.29	**I1C, Granodiorite** Medium to coarse granodiorite. Locally more blurry by chloritization and carbonatiation associated to small fractures. Presence of small mafic dyke and mafic enclave. **Oxidation** **Texture** **Grain Size** **Tone** **Colour** Massive Medium Grained
153.29	154.56	**ShrZ, Shear Zone** Shear zone of the granodiorite. Highly sheared at the bottom contact. **Oxidation** **Texture** **Grain Size** **Tone** **Colour**
154.56	158.69	**I1C, Granodiorite** Medium to coarse granodiorite. Locally more blurry by chloritization and carbonatiation associated to small fractures. Presence of small mafic dyke and mafic enclave. **Oxidation** **Texture** **Grain Size** **Tone** **Colour** Massive Medium Grained

Mineralization

From	To	Type	Style	%
		Comments Pyrite along the shearing. Very weak mineralization		
171.95	176.00	Pyrite	Disseminated	0.01
		Comments Rare grain of pyrite in the granodiorite.		

Alteration

From	To	Style	Type	Intensity
		Comments Carbonate vein in the granodiorite. Dark white colour. More like a stain shape.		
164.40	168.00	Pervasive	Sericitization	Weak
		Comments Weak to moderate seritization near the shear zones. Quartz eyes		

Hole Number: QK-17-025 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Detailed Lithology

From	To	Lithology
158.69	159.47	**ShrZ, Shear Zone** Small shear zone in the granodiorite. More developped at 159.0m in the middle of the interval. **Oxidation** **Texture** **Grain Size** **Tone** **Colour**
159.47	169.65	**I1C, Granodiorite** Medium to coarse granodiorite. Locally more blurry by chloritization and carbonatiation associated to small fractures. Presence of small mafic dyke and mafic enclave. **Oxidation** **Texture** **Grain Size** **Tone** **Colour** Massive Medium Grained
169.65	171.95	**ShrZ, Shear Zone** Shear zone in the granodiorite. More developped around 171.20 with an 2 cm of gouge **Oxidation** **Texture** **Grain Size** **Tone** **Colour**
171.95	180.00	**I1C, Granodiorite** Medium to coarse granodiorite. Foliated near the shear zone. Locally more blurry by chloritization and carbonatiation associated to small fractures. Presence of small mafic dyke and mafic enclave. **Oxidation** **Texture** **Grain Size** **Tone** **Colour** Massive Medium Grained

Sampling

From	To	Sample Number	Sample Type	Au (gpt)	Ag (gpt)	Cu (%)	Zn (%)	Pb (%)	Mg (%)	Fe (%)	Ca (%)
6.00	7.00	410446	ASSAY								
11.00	12.00	410447	ASSAY								
18.00	19.00	410448	ASSAY								
24.00	25.00	410449	ASSAY								
32.50	33.10	410451	ASSAY								
33.10	33.55	410452	ASSAY								
33.55	34.00	410453	ASSAY								
34.00	34.71	410454	ASSAY								
34.71	35.17	410455	ASSAY								

Hole Number: QK-17-025 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Sampling

From	To	Sample Number	Sample Type	Au (gpt)	Ag (gpt)	Cu (%)	Zn (%)	Pb (%)	Mg (%)	Fe (%)	Ca (%)
35.17	36.00	410456	ASSAY								
36.00	37.00	410457	ASSAY								
42.00	43.00	410458	ASSAY								
48.00	49.00	410459	ASSAY								
54.00	55.00	410461	ASSAY								
60.00	61.00	410462	ASSAY								
66.00	67.00	410463	ASSAY								
70.00	71.21	410464	ASSAY								
71.21	71.76	410465	ASSAY								
71.76	72.35	410466	ASSAY								
72.35	73.00	410467	ASSAY								
76.50	77.20	410468	ASSAY								
77.20	78.00	410469	ASSAY								
77.20	78.00	410470	DUP								
78.00	78.90	410471	ASSAY								
78.90	80.00	410472	ASSAY								
84.00	85.00	410473	ASSAY								
90.00	91.00	410474	ASSAY								
96.00	97.00	410475	ASSAY								
102.00	103.00	410476	ASSAY								
108.00	109.00	410477	ASSAY								
114.00	115.00	410478	ASSAY								
120.00	121.00	410479	ASSAY								
126.00	127.00	410558	ASSAY								
132.00	133.00	410559	ASSAY								
138.00	139.00	410561	ASSAY								
144.00	145.00	410562	ASSAY								
150.00	150.85	410563	ASSAY								
150.85	151.52	410564	ASSAY								

Hole Number: QK-17-025 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Sampling

From	To	Sample Number	Sample Type	Au (gpt)	Ag (gpt)	Cu (%)	Zn (%)	Pb (%)	Mg (%)	Fe (%)	Ca (%)
151.52	152.37	410565	ASSAY								
152.37	153.39	410566	ASSAY								
153.39	154.13	410567	ASSAY								
154.13	154.57	410568	ASSAY								
154.57	155.50	410569	ASSAY								
155.50	156.50	410571	ASSAY								
156.50	157.50	410572	ASSAY								
157.50	158.65	410573	ASSAY								
158.65	159.52	410574	ASSAY								
159.52	160.50	410575	ASSAY								
160.50	161.50	410576	ASSAY								
161.50	162.50	410577	ASSAY								
162.50	163.50	410578	ASSAY								
163.50	164.40	410579	ASSAY								
163.50	164.40	410580	DUP								
164.40	165.50	410581	ASSAY								
165.50	166.50	410582	ASSAY								
166.50	167.50	410583	ASSAY								
167.50	168.50	410584	ASSAY								
168.50	169.57	410585	ASSAY								
169.57	170.25	410586	ASSAY								
170.25	171.00	410587	ASSAY								
171.00	171.97	410588	ASSAY								
171.97	173.00	410589	ASSAY								
173.00	174.00	410591	ASSAY								
174.00	175.00	410592	ASSAY								
175.00	176.00	410593	ASSAY								

Geotechnical

From	To	Interval	Recovery	Recovery %	RQD	RQD %	Comments

Hole Number: QK-17-025 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Geotechnical

From	To	Interval	Recovery	Recovery %	RQD	RQD %	Comments
3.82	6.00	2.18	2.13	97.71	1.92	88.07	N=000=
6.00	9.00	3.00	3.01	100.33	1.87	62.33	N=000=
9.00	12.00	3.00	3.02	100.67	1.09	36.33	N=000=
12.00	15.00	3.00	2.90	96.67	2.76	92.00	N=000=
15.00	18.00	3.00	2.98	99.33	2.27	75.67	N=000<
18.00	21.00	3.00	3.00	100.00	2.75	91.67	0<111<
21.00	24.00	3.00	3.07	102.33	2.50	83.33	0<111<
24.00	27.00	3.00	3.04	101.33	2.68	89.33	M>111>
27.00	30.00	3.00	3.01	100.33	2.67	89.00	N=000=
30.00	33.00	3.00	2.98	99.33	2.52	84.00	N=000=
33.00	36.00	3.00	3.01	100.33	2.00	66.67	N=001<
36.00	39.00	3.00	2.89	96.33	2.69	89.67	-5<111<
39.00	42.00	3.00	2.93	97.67	2.68	89.33	0<111<
42.00	45.00	3.00	3.11	103.67	3.11	103.67	-5<111<
45.00	48.00	3.00	3.05	101.67	2.87	95.67	0<111<
48.00	51.00	3.00	2.88	96.00	2.58	86.00	N=111<
51.00	54.00	3.00	2.97	99.00	2.61	87.00	0<111<
54.00	57.00	3.00	3.00	100.00	3.00	100.00	N=000=
57.00	60.00	3.00	3.05	101.67	2.85	95.00	N=011<
60.00	63.00	3.00	2.93	97.67	2.87	95.67	M>110=
63.00	66.00	3.00	3.00	100.00	2.84	94.67	N=000=
66.00	69.00	3.00	2.95	98.33	2.83	94.33	N=000=
69.00	72.00	3.00	3.02	100.67	2.19	73.00	N=000=
72.00	75.00	3.00	2.98	99.33	2.52	84.00	N=001<
75.00	78.00	3.00	2.96	98.67	2.58	86.00	M>100=
78.00	81.00	3.00	2.96	98.67	2.80	93.33	N=000=
81.00	84.00	3.00	3.00	100.00	2.40	80.00	N=000=
84.00	87.00	3.00	2.94	98.00	2.59	86.33	N=000=

Hole Number: QK-17-025 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Geotechnical

From	To	Interval	Recovery	Recovery %	RQD	RQD %	Comments
87.00	90.00	3.00	3.00	100.00	2.86	95.33	N=000=
90.00	93.00	3.00	2.98	99.33	2.67	89.00	N=000=
93.00	96.00	3.00	2.98	99.33	2.76	92.00	N=000=
96.00	99.00	3.00	3.00	100.00	2.79	93.00	N=000=
99.00	102.00	3.00	3.04	101.33	1.64	54.67	N=111<
102.00	105.00	3.00	2.84	94.67	2.68	89.33	M>11.1<
105.00	108.00	3.00	2.95	98.33	2.67	89.00	+5<111<
108.00	111.00	3.00	3.06	102.00	2.46	82.00	N=001<
111.00	114.00	3.00	2.87	95.67	2.53	84.33	+40<111<
114.00	117.00	3.00	3.00	100.00	2.58	86.00	M>101<
117.00	120.00	3.00	2.98	99.33	2.63	87.67	No ori
120.00	123.00	3.00	2.99	99.67	2.99	99.67	No ori
123.00	126.00	3.00	3.04	101.33	2.64	88.00	No ori
126.00	129.00	3.00	3.08	102.67	3.08	102.67	No ori
129.00	132.00	3.00	2.91	97.00	2.84	94.67	No ori
132.00	135.00	3.00	3.05	101.67	2.89	96.33	No ori
135.00	138.00	3.00	3.00	100.00	2.83	94.33	No ori
138.00	141.00	3.00	2.90	96.67	2.74	91.33	No ori
141.00	144.00	3.00	3.04	101.33	2.86	95.33	<111<M
144.00	147.00	3.00	2.82	94.00	2.78	92.67	<111<
147.00	150.00	3.00	3.16	105.33	2.88	96.00	M>111>
150.00	153.00	3.00	2.91	97.00	2.81	93.67	-5<111<
153.00	156.00	3.00	2.97	99.00	2.27	75.67	M>1.11<
156.00	159.00	3.00	2.98	99.33	2.63	87.67	+5<111<
159.00	162.00	3.00	3.08	102.67	2.85	95.00	M>11.1<
162.00	165.00	3.00	3.00	100.00	2.92	97.33	M>111>
165.00	168.00	3.00	2.94	98.00	2.74	91.33	M>100=
168.00	171.00	3.00	2.99	99.67	2.80	93.33	N<111<

Hole Number: QK-17-025 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Geotechnical

From	To	Interval	Recovery	Recovery %	RQD	RQD %	Comments
171.00	174.00	3.00	3.03	101.00	2.73	91.00	N<111<
174.00	177.00	3.00	2.95	98.33	2.90	96.67	Ori wrong
177.00	180.00	3.00	3.05	101.67	2.75	91.67	Ori wrong

Structure

From	To	Structure	Alpha	Beta	Fill Material 1	Fill Material 2	Comments
151.00	172.00	Foliation					Foliation in the granodiorite on the boundary of the shear zone

Point Structure

At	Structure	Alpha	Beta	Core Azi	Core Dip	Calculated Dip	Calculated Strike	Apparent Dip	Dip Direction	Gamma	Joint Fill 1	Fill Material 1	Joint Fill 2	Fill Material 2	Comments
29.90	Contact	45	310	0.00	-45.00	-79.71	56.60	0	146.60						Upper contact of the mafic dyke
35.00	Shearing	45	330	0.00	-45.00	-86.16	69.25	0	159.25						Lower contact of the shearing.
46.00	Fracturing	45	270	0.00	-45.00	-60.00	35.26	0	125.26						Fracturing bringing the chloritization and the carbonatization
71.75	Shearing	50													Lower contact of the small shear. No beta.
77.20	Contact	32	240	0.00	-45.00	-47.58	5.82	0	95.82						Upper contact of the mafic dyke.
154.00	Shearing	40	330	0.00	-45.00	-89.16	247.48	0	337.48						Shearing of the first shear zone in the less developped part.
154.45	Shearing	35	320	0.00	-45.00	-87.81	238.20	0	328.20						Shearing of the first shear zone in the most developped part.
159.00	Shearing	55	280	0.00	-45.00	-59.42	48.99	0	138.99						Shearing of the small shear zone
162.10	Foliation	45	310	0.00	-45.00	-79.71	56.60	0	146.60						Apparent foliation int hte granodiorite between two shear zone
170.30	Shearing	40	320	0.00	-45.00	-87.73	60.48	0	150.48						Shearing in the less developped part of the third shear zone
171.35	Gouge (fault)	35	315	0.00	-45.00	-89.77	234.60	0	324.60						Gouge part in the third shear zone. Realted to the shear zone.

Orford Mining

Drill Log Report

Hole Number: QK-17-026 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Project

Project Number: Qiqavik Drilling
Date Started: août 11, 2017
Date Completed: août 12, 2017
Drilling Contractor: Forage G4
Survey Contractor:
Date Logged: août 12, 2017

Drilling

Making Water: N **OIH Comments:**
Gas Intersected: N
Is Hole Plugged: N
Object in Hole: N **Material LIH:**
Is Cemented: N
Is Hole Blocked:
Verified: N

Collar

NTS: 35G12 **Collar Dip:** -69.00
UTM Zone: UTM83-18 **Collar Azi:** 215.00
Lot: **Length:** 102.00
Township:
Range / Concession:
Claim Number: 2469664 **Core Size:** NQ
Collar Survey Type: **Casing Status:** Left In Hole

Coordinates

UTM Coordinates
North: 6,832,697.00
East: 456,044.00
Elev: 280.00

Logged By

Geologist 1: Arnaud Fontaine, Géo
Geologist 2:
Geologist 3:
Geologist 4:

GÉOLOGUE ROBERT CLOUTIER # 1233 QUÉBEC

Detailed Lithology

From	To	Lithology	Oxidation	Texture	Grain Size	Tone	Colour
0.00	2.62	**OB, Overburden**					
2.62	8.77	**V3B, Basalt** Foliated basalt		Foliated	Very Fine Grained	Dark	grey-green
8.77	13.46	**I4B, Pyroxenite** Pyroxenite intrusion. Massive and not altered. Altered at the bottom of the unit due to a small quartz and carbonate vein.		Massive	Medium Grained	Medium	black
13.46	21.44	**V3B, Basalt** Foliated basalt. The last 30 cm shows pyrrhotite and pyrite stringer along the foliation at the contact of the ultramafic unit. Garnet and magnetite are also present in the 30 cm.		Foliated	Very Fine Grained	Dark	grey-green
21.44	23.15	**I3, Intrusive Mafic Rocks** Foliated mafic dyke highly chloritized.		Foliated	Very Fine Grained	Medium	grey-green

Mineralization

From	To	Type	Style	%	Comments
17.00	21.14	Sulphides	Fracture/vein controlled	0.10	Pyrite and pyrrhotite along the foliation
21.14	21.41	Sulphides	Fracture/vein controlled	7.00	Many stringer of pyrrhotite and pyrite that seems to follow the foliation. At the contact of the ultramafic unit.
23.50	41.00	Sulphides	Fracture/vein controlled	0.10	Trace of pyrrhotite and pyrite along the foliation
29.09	29.38	Pyrite	Disseminated	0.50	Disseminated idiomorphic pyrite in a small shear inside the pyroxenite
41.00	102.00	Pyrite	Trace	0.01	Trace of idiomorphic pyrite along foliation

Alteration

From	To	Style	Type	Intensity	Comments
2.62	21.15	Pervasive	Chloritization	Weak	Weak pervasive chloritization. Regional alteration
21.15	21.44	Disseminated	Magnetite	Weak	Minor magnetite associated with the Gt alteration
21.15	21.44	Disseminated	Garnet	Moderate	10% small Mn-rich garnets
21.15	21.44	Pervasive	Chloritization	Weak	
21.44	23.15	Pervasive	Chloritization	Strong	Strong chloritization in the ultramafic dyke
23.15	34.80	Fracture/vein controlled	Carbonatization	Weak	Carbonatization in fracture
23.15	34.80	Pervasive	Chloritization	Weak	Weak pervasive chloritization. Regional alteration

Hole Number: QK-17-026 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Detailed Lithology

From	To	Lithology
23.15	23.42	**I2, Intrusive Intermediate Rocks** Small intermediate dyke. Folded at the contact with the basalt. Ti at 0.65% and Zr at 231 ppm and Y at 26 ppm **Oxidation** **Texture** **Grain Size** **Tone** **Colour**
23.42	26.30	**V3B, Basalt** Foliated basalt. Intercalation of plagioclase phyric basalt and basalt **Oxidation** **Texture** **Grain Size** **Tone** **Colour** Foliated Very Fine Grained
26.30	31.50	**ShrZ, Shear Zone** Shear zone in the basalt. Basalt protolith with plagioclase phyric interval relics. **Oxidation** **Texture** **Grain Size** **Tone** **Colour** Sheared Dark grey-green
31.50	38.30	**V3B, Basalt** Foliated basalt. Intercalation of plagioclase phyric basalt and basalt **Oxidation** **Texture** **Grain Size** **Tone** **Colour** Foliated Very Fine Grained Dark grey-green
38.30	40.80	**ShrZ, Shear Zone** Shear Zone **Oxidation** **Texture** **Grain Size** **Tone** **Colour** Sheared Dark grey-green
40.80	102.00	**V3B, Basalt** Basalt highly foliated and altered. Rich in Ni and Mg. Possibly more ultramafic than mafic volcanics. Element ratio of Ti Zr and Y are the same as the basalt at the beginning of the hole. **Oxidation** **Texture** **Grain Size** **Tone** **Colour** Foliated Very Fine Grained

Alteration

From	To	Style	Type	Intensity
34.80	41.90	Pervasive	Chloritization	Weak
		Comments Weak pervasive chloritization. Regional alteration		
34.80	35.95	Pervasive	Chloritization	Strong
		Comments Strong chloritization in the ultramafic dyke		
41.90	102.00	Fracture/vein controlled	Carbonatization	Weak
		Comments Weak carbonatization in fracture filling		
41.90	102.00	Pervasive	Chloritization	Moderate
		Comments Weak to moderate chloritization with seritization		
41.90	102.00	Pervasive	Sericitization	Weak
		Comments Weak to moderate Background of seritization mixed with the fuchsite		
46.60	50.80	Along Foliation	Fuchsite	Moderate
		Comments Moderate to strong fuchsite along the foliation		
56.00	76.40	Along Foliation	Fuchsite	Strong
		Comments Strong to moderate fuchsite mixed with the sericite		
83.90	84.10	Fracture/vein controlled	Fuchsite	Moderate
		Comments Fuchsite on the boundary of a quartz vein		
97.80	98.00	Fracture/vein controlled	Fuchsite	Strong

Hole Number: QK-17-026 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Alteration

From	To	Style	Type	Intensity
		Comments		
		Fuchsite on the boundary of a quartz vein		
101.00	102.00	Fracture/vein controlled	Fuchsite	Moderate
		Comments		
		Fuchsite after a quartz vein		

Sampling

From	To	Sample Number	Sample Type	Au (gpt)	Ag (gpt)	Cu (%)	Zn (%)	Pb (%)	Mg (%)	Fe (%)	Ca (%)
6.00	7.00	410362	ASSAY								
9.10	9.53	410363	ASSAY								
12.00	13.00	410364	ASSAY								
13.47	14.00	410365	ASSAY								
15.00	16.00	410366	ASSAY								
18.00	19.00	410367	ASSAY								
20.50	21.13	410368	ASSAY								
21.13	21.45	410369	ASSAY								
21.45	22.00	410371	ASSAY								
23.40	24.00	410372	ASSAY								
24.57	25.00	410373	ASSAY								
27.00	28.00	410374	ASSAY								
32.00	33.00	410375	ASSAY								
36.00	37.00	410376	ASSAY								
39.00	40.00	410377	ASSAY								
40.00	41.00	410378	ASSAY								
41.00	41.75	410379	ASSAY								
41.75	42.60	410381	ASSAY								
42.60	43.25	410382	ASSAY								
43.25	44.00	410383	ASSAY								
44.00	45.00	410384	ASSAY								
45.00	46.00	410385	ASSAY								

Hole Number: QK-17-026 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Sampling

From	To	Sample Number	Sample Type	Au (gpt)	Ag (gpt)	Cu (%)	Zn (%)	Pb (%)	Mg (%)	Fe (%)	Ca (%)
46.00	46.86	410386	ASSAY								
46.86	48.00	410387	ASSAY								
48.00	49.00	410388	ASSAY								
49.00	50.00	410389	ASSAY								
49.00	50.00	410390	DUP								
50.00	50.85	410391	ASSAY								
50.85	51.47	410392	ASSAY								
51.47	52.00	410393	ASSAY								
52.00	53.00	410394	ASSAY								
53.00	54.00	410395	ASSAY								
54.00	55.00	410396	ASSAY								
55.00	55.83	410397	ASSAY								
55.83	57.00	410398	ASSAY								
57.00	58.00	410399	ASSAY								
58.00	59.00	410401	ASSAY								
59.00	60.00	410402	ASSAY								
60.00	61.00	410403	ASSAY								
61.00	61.93	410404	ASSAY								
61.93	62.80	410405	ASSAY								
62.80	63.50	410406	ASSAY								
63.50	64.54	410407	ASSAY								
64.54	65.28	410408	ASSAY								
65.28	66.07	410409	ASSAY								
66.07	66.85	410411	ASSAY								
66.85	67.52	410412	ASSAY								
67.52	68.46	410413	ASSAY								
68.46	69.22	410414	ASSAY								
69.22	70.30	410415	ASSAY								
70.30	71.47	410416	ASSAY								

Hole Number: QK-17-026 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Sampling

From	To	Sample Number	Sample Type	Au (gpt)	Ag (gpt)	Cu (%)	Zn (%)	Pb (%)	Mg (%)	Fe (%)	Ca (%)
71.47	72.06	410417	ASSAY								
72.06	73.00	410418	ASSAY								
73.00	74.00	410419	ASSAY								
73.00	74.00	410420	DUP								
74.00	75.00	410421	ASSAY								
75.00	76.00	410422	ASSAY								
76.00	77.00	410423	ASSAY								
77.00	78.00	410424	ASSAY								
78.00	79.00	410425	ASSAY								
79.00	80.00	410426	ASSAY								
80.00	81.00	410427	ASSAY								
81.00	82.00	410428	ASSAY								
82.00	83.00	410429	ASSAY								
83.00	83.79	410431	ASSAY								
83.79	84.44	410432	ASSAY								
84.44	85.00	410433	ASSAY								
85.00	86.00	410434	ASSAY								
86.00	87.00	410435	ASSAY								
87.00	88.00	410436	ASSAY								
93.00	94.00	410437	ASSAY								
96.00	97.00	410438	ASSAY								
97.00	97.78	410439	ASSAY								
97.78	98.50	410441	ASSAY								
98.50	99.41	410442	ASSAY								
99.41	99.82	410443	ASSAY								
99.82	101.10	410444	ASSAY								
101.10	102.00	410445	ASSAY								

Geotechnical

From	To	Interval	Recovery	Recovery %	RQD	RQD %	Comments

Hole Number: QK-17-026 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Geotechnical

From	To	Interval	Recovery	Recovery %	RQD	RQD %	Comments
3.00	6.00	3.00	3.00	100.00	1.64	54.67	N=000=
6.00	9.00	3.00	3.04	101.33	1.84	61.33	N=000=
9.00	12.00	3.00	2.91	97.00	2.67	89.00	N=000=
12.00	15.00	3.00	3.02	100.67	2.07	69.00	N=001<
15.00	18.00	3.00	3.10	103.33	1.17	39.00	M>1.11<
18.00	21.00	3.00	2.94	98.00	2.23	74.33	-6<111<
21.00	24.00	3.00	3.01	100.33	0.97	32.33	M>111>
24.00	27.00	3.00	2.96	98.67	2.44	81.33	M>11.1<
27.00	30.00	3.00	3.08	102.67	1.56	52.00	M>000=
30.00	33.00	3.00	3.00	100.00	2.29	76.33	N=011<
33.00	36.00	3.00	2.81	93.67	1.90	63.33	M>1.11<
36.00	39.00	3.00	3.10	103.33	2.15	71.67	N=111<M
39.00	42.00	3.00	3.09	103.00	2.61	87.00	<111<
42.00	45.00	3.00	2.90	96.67	2.06	68.67	N=000=
45.00	48.00	3.00	2.97	99.00	1.97	65.67	N=000=
48.00	51.00	3.00	3.10	103.33	2.80	93.33	N=000=
51.00	54.00	3.00	2.87	95.67	2.57	85.67	N=011<
54.00	57.00	3.00	2.93	97.67	2.76	92.00	+10<111<
57.00	60.00	3.00	2.96	98.67	2.64	88.00	-18<111<
60.00	63.00	3.00	3.00	100.00	2.75	91.67	M>111>
63.00	66.00	3.00	2.94	98.00	2.61	87.00	+14<111<
66.00	69.00	3.00	3.00	100.00	2.40	80.00	M>100<
69.00	72.00	3.00	3.02	100.67	3.02	100.67	+10<111<
72.00	75.00	3.00	2.94	98.00	2.94	98.00	+6<111<
75.00	78.00	3.00	3.07	102.33	2.78	92.67	-100<111<
78.00	81.00	3.00	3.07	102.33	2.80	93.33	-70<111<
81.00	84.00	3.00	2.98	99.33	2.57	85.67	M>11.1<
84.00	87.00	3.00	3.06	102.00	2.77	92.33	+36<111<

Hole Number: QK-17-026 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Geotechnical

From	To	Interval	Recovery	Recovery %	RQD	RQD %	Comments
87.00	90.00	3.00	2.90	96.67	2.90	96.67	+80<111<
90.00	93.00	3.00	3.00	100.00	2.84	94.67	0<111<
93.00	96.00	3.00	2.97	99.00	2.97	99.00	0<111<
96.00	99.00	3.00	2.94	98.00	2.34	78.00	M>011<
99.00	102.00	3.00	3.05	101.67	1.63	54.33	+140<1<00=

Structure

From	To	Structure	Alpha	Beta	Fill Material 1	Fill Material 2	Comments
32.50	33.00	Calcite vein			carbonate	quartz	Two Quartz-Carbonate vein inside the interval. Presence of hematite?
58.16	60.10	Quartz vein	35.00	160.00	quartz	carbonate	Interval with high density of quartz veins with carbonate shards. Cross-cutting foliation. Extension veins. General orieantion of 35 alpha and 160 beta but locally cross the core axis. Very weak min of Po
65.30	66.22	Quartz vein			quartz	carbonate	Interval with moderate density of quartz veins with shards of carbonate. Cross-cutting foliation. Extension veins. Presence of ankerite. Global orientation seems to follow the foliation.
71.45	72.05	Quartz vein			quartz	carbonate	Quartz vein that wave along the core axis. Across foliation. Carbonate shards. No min
79.00	102.00	Foliation					The foliation in the basalt is different from the rest of the sheared basalt. Core angle pass through the core axis and variate between 45 to -20. Structure bord de falaise
99.43	102.00	Quartz vein					Interval with high density of quartz veins. Weak Po min associated with the fuchsite. Carbonate shards. Extension Vein

Point Structure

At	Structure	Alpha	Beta	Core Azi	Core Dip	Calculated Dip	Calculated Strike	Apparent Dip	Dip Direction	Gamma	Joint Fill 1	Fill Material 1	Joint Fill 2	Fill Material 2	Comments
8.77	Contact	80													Contact of the pyroxenite with the basalt at the upside of the hole.
18.00	Foliation	65	60	215.00	-69.00	-39.61	340.03	0	70.03						Foliation in the basalt
22.00	Foliation	70	15	215.00	-69.00	-40.63	312.81	0	42.81						Foliation in the ultramafic unit
23.00	Foliation	60	30	215.00	-69.00	-49.21	324.28	0	54.28						Measurement of the sulphides stringer along the foliation near the ultramafic unit
23.20	Fold														Axe de pli N 056 et -18 de plongée. Pli asymétrique. Divergence Top vers Sud-Est

Hole Number: QK-17-026 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Point Structure

At	Structure	Alpha	Beta	Core Azi	Core Dip	Calculated Dip	Calculated Strike	Apparent Dip	Dip Direction	Gamma	Joint Fill 1	Fill Material 1	Joint Fill 2	Fill Material 2	Comments
24.62	Quartz vein	65	170	215.00	-69.00	-5.58	75.99	0	165.99						Smoked quartz vein that goes along the foliation. Weak presence of Po and Py.
24.95	Quartz vein	50	60	215.00	-69.00	-53.13	349.09	0	79.09						Smoked quartz vein across the foliation of the basalt. No mineralization.
25.10	Foliation	70	130	215.00	-69.00	-17.05	8.35	0	98.35						Foliation in the basalt
26.90	Shearing	70	100	215.00	-69.00	-26.03	355.13	0	85.13						Shearing in the basalt
32.00	Shearing	70	140	215.00	-69.00	-13.79	12.26	0	102.26						Shearing in the basalt
39.10	Shearing	70	100	215.00	-69.00	-26.03	355.13	0	85.13						Shearing in the basalt
47.20	Quartz vein	60													Quartz vein along foliation. Extension vein with crystal
51.70	Foliation	65	80	215.00	-69.00	-34.93	351.62	0	81.62						Foliation in the alteration
54.50	Foliation	60	100	215.00	-69.00	-32.90	10.03	0	100.03						Foliation in the alteration
57.50	Foliation	45	80	215.00	-69.00	-51.97	7.14	0	97.14						Foliation in the alteration
59.13	Quartz vein	35	160	215.00	-69.00	-35.77	96.36	0	186.36						Measurement of Struture Table
61.00	Foliation	45	70	215.00	-69.00	-55.01	359.20	0	89.20						Foliation in the alteration
62.00	Quartz vein	40	130	215.00	-69.00	-39.05	56.35	0	146.35						Quartz-carbonate veins along foliation. Carbonate shards.Weak Po mineralization in the fuchsite at the boundary of the vein
72.50	Foliation	55	20	215.00	-69.00	-55.14	318.83	0	48.83						Foliation in the alteration
76.10	Quartz vein	30	260	215.00	-69.00	-58.62	217.60	0	307.60						Quartz-carbonate vein across the foliation. Extension vein with carbonate shards. No min
79.00	Foliation	60	110	215.00	-69.00	-29.57	17.22	0	107.22						Foliation in the alteration
84.10	Quartz vein	60	10	215.00	-69.00	-50.80	311.43	0	41.43						quartz vein along foliation. Fuchsite and sericite. No min
97.90	Shearing	45	110	215.00	-69.00	-41.69	32.62	0	122.62						Related to a quartz vein. Shearing with fuchsite. No min.

Orford Mining

Drill Log Report

Hole Number: QK-17-027 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Project

Project Number: Qiqavik Drilling
Date Started: août 12, 2017
Date Completed: août 13, 2017
Drilling Contractor: Forage G4
Survey Contractor:
Date Logged: août 14, 2017

Drilling

Making Water: N **OIH Comments:**
Gas Intersected: N
Is Hole Plugged: N
Object in Hole: N **Material LIH:**
Is Cemented: N
Is Hole Blocked:
Verified: N

Collar

NTS: 35G12 **Collar Dip:** -45.00
UTM Zone: UTM83-18 **Collar Azi:** 215.00
Lot: **Length:** 180.00
Township:
Range / Concession:
Claim Number: 2469664 **Core Size:** NQ
Collar Survey Type: **Casing Status:** Left In Hole

Coordinates

UTM Coordinates
North: 6,832,697.00
East: 456,044.00
Elev: 280.00

GÉOLOGUE ROBERT CLOUTIER # 1233 QUÉBEC

Logged By

Geologist 1: Arnaud Fontaine, Géo
Geologist 2:
Geologist 3:
Geologist 4:

Detailed Lithology

From	To	Lithology	Oxidation	Texture	Grain Size	Tone	Colour
0.00	3.00	**OB, Overburden**					
3.00	31.25	**V3B, Basalt** Basalt with intervals of plagioclase phyric basalt. Foliated. Altered with carbonate and sericite in fracture filling. Pervasive chloritization. Weak sulphides in fracture filling. Becomes highly altered down the hole after 24m.		Foliated	Very Fine Grained	Medium	grey-green
31.25	31.66	**I3, Intrusive Mafic Rocks** Mafic dyke foliated. Chloritized. No min		Foliated	Fine Grained		
31.66	37.45	**V3B, Basalt** Basalt with weak foliation. Intercalated with few mafic dyke hard to distinguish due to the global alteration.		Foliated	Very Fine Grained		
37.45	38.29	**I2Y, Porphyry Intermediate Intrusive** Dioritic porphyry. Ration Ti/Zr of 2.3 shows a calco-alcalin intusion. Diffuse contact at the top. Bottom contact is a bit sheared.		Porphyritic	Fine Grained		

Mineralization

From	To	Type	Style	%	Comments
3.00	25.00	Sulphides	Fracture/vein controlled	0.05	Pyrrhotite and pyrite in fracture filling
25.00	27.00	Pyrite	Disseminated	1.00	Disseminated pyrite in alteration after the sericite zone
27.00	31.30	Sulphides	Fracture/vein controlled	0.05	Pyrrhotite and pyrite in fracture filling
31.65	37.45	Pyrite	Fracture/vein controlled	1.50	Pyrite somtimes idiomorhpic mixed with some pyrrhotite. Higher frequency near the mafic dyke.
38.20	40.00	Pyrite	Fracture/vein controlled	2.00	Pyrite somtimes idiomorhpic mixed with some pyrrhotite. Decrease in frequency after the porphyry.
40.00	47.59	Sulphides	Fracture/vein controlled	0.10	

Alteration

From	To	Style	Type	Intensity	Comments
3.00	180.00	Pervasive	Chloritization	Weak	Weak chloritization in all unit in the hole
3.00	23.27	Fracture/vein controlled	Carbonatization	Weak	Carbonatization in fracture filling. Low frequence
23.27	25.14	Pervasive	Sericitization	Moderate	Seritization mixed with the Calcification
23.27	44.50	Pervasive	Calcite	Moderate	Moderate to strong pervasive calcification
44.50	180.00	Fracture/vein controlled	Carbonatization	Weak	Carbonatization in fracture filling. Moderate frequence from 45 to 70
123.47	124.20	Pervasive	Sericitization	Weak	Weak to moderate sericitization assoiciated to a vein

Detailed Lithology

From	To	Lithology	Oxidation	Texture	Grain Size	Tone	Colour
38.29	42.66	**V3B, Basalt** Basalt with intervals of plagiocalse phyric basalt. Weakly foliated.		Foliated	Very Fine Grained		
42.66	42.96	**I3, Intrusive Mafic Rocks** Mafic dyke. Same look and alteration as the first mafic dyke but not foliated.			Fine Grained		
42.96	46.90	**V3B, Basalt** Basalt with intervals of plagiocalse phyric basalt. Weakly foliated.		Foliated	Very Fine Grained		
46.90	47.24	**I3, Intrusive Mafic Rocks** Mafic dyke. Same look and alteration as the first mafic dyke.		Foliated	Fine Grained		
47.24	57.72	**V3A, Andesitic Basalt/Basaltic Andesite** Volcanic flow passing from basalt to andesitic basalt. Plagiocalse phyric with high frequency of plagioclase in andesitic basalt. Good mineralization near between 54 and 56 m.		Foliated	Fine Grained		
57.72	58.19	**I2Y, Porphyry Intermediate Intrusive** Dioritic porphyry dyke.		Porphyritic	Fine Grained		
58.19	64.54	**V3B, Basalt** Volcanic flow passing from basalt to andesitic basalt. Foliated. Higher frequency of sulphides stringer at the bottom of the hole		Foliated	Very Fine Grained		
64.54	66.32	**I2Y, Porphyry Intermediate Intrusive** Dioritic porphyry dyke with an interval of basalt from 65.35.to 65.6.					

Mineralization

From	To	Type	Style	%	Comments
					Pyrrhotite and pyrite in fracture filling
47.59	47.86	Pyrrhotite	Banded	4.00	High frequency of pyrrhotite band following the apparent foliation. In a darker interval of basalt.
47.86	54.42	Sulphides	Fracture/vein controlled	0.20	Pyrite and pyrrhotite in fracture filling and along the foliation.
54.42	55.46	Chalcopyrite	Stringer	5.00	Stringer of chalcopyrite and pyrrhotite. In periphery of the porphyry.
55.46	57.72	Sulphides	Fracture/vein controlled	1.50	Stringer of sulphides majoritary controlled be fracture. Mostly pyrrhotite and presence of chalcopyrite.
58.19	64.34	Sulphides	Fracture/vein controlled	0.50	Stringer of sulphides majoritary controlled be fracture. Mostly pyrrhotite and presence of chalcopyrite.
64.34	64.76	Pyrrhotite	Stringer	5.00	Stringer of pyrrhotite at the boundary of the porphyry. In the basalt.
64.76	68.80	Pyrrhotite	Fracture/vein controlled	0.10	Some pyrrhotite in fracture filling.
68.80	73.00	Sulphides	Stringer	2.00	

Alteration

From	To	Style	Type	Intensity
152.13	155.45	Pervasive	Sericitization	Moderate

Detailed Lithology

From	To	Lithology				
			Porphyritic	Fine Grained		
66.32	143.42	**V3B, Basalt** Basalt with interval more andesitic basalt with plagioclase phyric texture. Mostly foliated with some shear zone. Good Cu-Po-Py mineralization after the contact with the porphyry				
		Oxidation	**Texture**	**Grain Size**	**Tone**	**Colour**
			Foliated	Very Fine Grained		
143.42	147.40	**I3A, Gabbro** Melanogabbro dyke				
		Oxidation	**Texture**	**Grain Size**	**Tone**	**Colour**
			Massive	Fine Grained	Dark	grey-green
147.40	162.75	**V3B, Basalt** Basalt with interval more andesitic basalt with plagioclase phyric texture				
		Oxidation	**Texture**	**Grain Size**	**Tone**	**Colour**
			Foliated	Very Fine Grained		
162.75	163.59	**I3, Intrusive Mafic Rocks** Mafic dyke.				
		Oxidation	**Texture**	**Grain Size**	**Tone**	**Colour**
			Massive	Fine Grained		
163.59	180.00	**V3B, Basalt** Basalt with interval more andesitic basalt with plagioclase phyric texture				
		Oxidation	**Texture**	**Grain Size**	**Tone**	**Colour**
			Foliated	Very Fine Grained		

Mineralization

From	To	Type	Style	%
		Comments Stringer of chalcopyrite and pyrrhotite. Good feature of folding.		
73.00	79.15	Pyrrhotite	Fracture/vein controlled	0.01
		Comments Some pyrrhotite in fracture filling.		
79.15	79.23	Sulphides	Fracture/vein controlled	8.00
		Comments Pyrrhotite anc chalcopyrite associated to a quartz-calcite vein.		
79.23	93.69	Pyrrhotite	Stringer	0.10
		Comments Some pyrrhotite in fracture filling.		
93.69	93.70	Chalcopyrite	Stringer	30.00
		Comments Small stringer of chalcopyrite isolated in the plagioclase phyric basalt. Out of no where		
93.70	112.00	Pyrrhotite	Fracture/vein controlled	0.10
		Comments Some pyrrhotite in fracture filling.		
112.00	112.20	Sulphides	Fracture/vein controlled	5.00
		Comments Ccp and Po associated to a quartz-carbonate vein		
112.20	135.55	Sulphides	Fracture/vein controlled	0.05
		Comments Some pyrrhotite in fracture filling.		
135.55	141.00	Sulphides	Stringer	1.00
		Comments Stringer of Po and Ccp		

Hole Number: QK-17-027 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Mineralization

From	To	Type	Style	%
141.00	180.00	Sulphides	Fracture/vein controlled	0.10

Comments

Some pyrrhotite in fracture filling.

Sampling

From	To	Sample Number	Sample Type	Au (gpt)	Ag (gpt)	Cu (%)	Zn (%)	Pb (%)	Mg (%)	Fe (%)	Ca (%)
6.00	7.00	410481	ASSAY								
12.00	13.00	410482	ASSAY								
16.00	17.00	410483	ASSAY								
22.25	23.25	410484	ASSAY								
23.25	24.00	410485	ASSAY								
24.00	25.00	410486	ASSAY								
25.00	26.00	410487	ASSAY								
26.00	27.00	410488	ASSAY								
31.66	33.00	410489	ASSAY								
33.00	33.92	410491	ASSAY								
33.92	34.22	410492	ASSAY								
34.22	35.00	410493	ASSAY								
35.00	36.00	410494	ASSAY								
36.00	37.00	410495	ASSAY								
37.00	37.46	410496	ASSAY								
37.46	38.29	410497	ASSAY								
38.29	39.00	410498	ASSAY								
39.00	40.00	410499	ASSAY								
39.00	40.00	410500	DUP								
41.00	41.73	410501	ASSAY								
41.95	43.00	410502	ASSAY								
46.00	46.89	410503	ASSAY								
46.89	47.25	410504	ASSAY								

Hole Number: QK-17-027 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Sampling

From	To	Sample Number	Sample Type	Au (gpt)	Ag (gpt)	Cu (%)	Zn (%)	Pb (%)	Mg (%)	Fe (%)	Ca (%)
47.25	48.00	410505	ASSAY								
51.00	52.00	410506	ASSAY								
53.75	54.32	410507	ASSAY								
54.32	54.80	410508	ASSAY								
54.80	55.50	410509	ASSAY								
55.50	56.70	410511	ASSAY								
56.70	57.72	410512	ASSAY								
57.72	58.19	410513	ASSAY								
58.19	59.00	410514	ASSAY								
62.00	62.91	410515	ASSAY								
62.91	64.00	410516	ASSAY								
64.00	64.53	410517	ASSAY								
64.53	65.50	410518	ASSAY								
65.50	66.32	410519	ASSAY								
66.32	67.00	410521	ASSAY								
67.00	68.00	410522	ASSAY								
68.00	68.74	410523	ASSAY								
68.74	69.19	410524	ASSAY								
69.19	70.00	410525	ASSAY								
70.00	71.00	410526	ASSAY								
71.00	72.00	410527	ASSAY								
72.00	73.00	410528	ASSAY								
73.00	74.00	410529	ASSAY								
73.00	74.00	410530	DUP								
75.00	76.00	410531	ASSAY								
79.00	79.50	410532	ASSAY								
86.00	87.00	410533	ASSAY								
93.00	94.00	410534	ASSAY								
98.00	99.00	410535	ASSAY								

Hole Number: QK-17-027 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Sampling

From	To	Sample Number	Sample Type	Au (gpt)	Ag (gpt)	Cu (%)	Zn (%)	Pb (%)	Mg (%)	Fe (%)	Ca (%)
103.75	104.25	410536	ASSAY								
111.00	112.00	410537	ASSAY								
112.00	112.30	410538	ASSAY								
112.30	113.00	410539	ASSAY								
112.30	113.00	410540	DUP								
117.00	118.00	410541	ASSAY								
123.00	123.47	410542	ASSAY								
123.47	124.23	410543	ASSAY								
124.23	125.00	410544	ASSAY								
132.00	133.00	410545	ASSAY								
133.00	134.00	410546	ASSAY								
134.00	135.00	410547	ASSAY								
137.00	138.00	410548	ASSAY								
138.00	139.00	410549	ASSAY								
142.00	143.00	410551	ASSAY								
150.00	151.00	410552	ASSAY								
153.00	154.00	410553	ASSAY								
159.00	160.00	410554	ASSAY								
165.00	166.00	410555	ASSAY								
171.00	172.00	410556	ASSAY								
178.00	179.00	410557	ASSAY								

Geotechnical

From	To	Interval	Recovery	Recovery %	RQD	RQD %	Comments
3.00	6.00	3.00	3.06	102.00	1.61	53.67	N=111<
6.00	9.00	3.00	2.95	98.33	2.59	86.33	-12<111<
9.00	12.00	3.00	2.93	97.67	2.49	83.00	25<111<
12.00	15.00	3.00	3.02	100.67	2.84	94.67	-10<111<
15.00	18.00	3.00	2.93	97.67	2.47	82.33	M>11.1<M

Hole Number: QK-17-027 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Geotechnical

From	To	Interval	Recovery	Recovery %	RQD	RQD %	Comments
18.00	21.00	3.00	3.09	103.00	2.85	95.00	<111<
21.00	24.00	3.00	2.99	99.67	2.33	77.67	10<111<
24.00	27.00	3.00	3.08	102.67	2.19	73.00	M>111>
27.00	30.00	3.00	2.97	99.00	1.99	66.33	M>011<
30.00	33.00	3.00	3.00	100.00	1.91	63.67	M>101<
33.00	36.00	3.00	3.03	101.00	2.56	85.33	M>11.1<
36.00	39.00	3.00	3.01	100.33	2.59	86.33	24<111<
39.00	42.00	3.00	3.07	102.33	2.76	92.00	M>11.1<
42.00	45.00	3.00	2.92	97.33	2.07	69.00	M>110<
45.00	48.00	3.00	2.96	98.67	2.43	81.00	M>111>
48.00	51.00	3.00	3.07	102.33	2.58	86.00	M>111>
51.00	54.00	3.00	2.91	97.00	2.58	86.00	-5<111<
54.00	57.00	3.00	2.94	98.00	2.39	79.67	-130<111<
57.00	60.00	3.00	3.10	103.33	2.53	84.33	N<111<
60.00	63.00	3.00	2.87	95.67	2.38	79.33	-5<111<
63.00	66.00	3.00	3.05	101.67	2.41	80.33	0<111<
66.00	69.00	3.00	3.03	101.00	2.35	78.33	M>000=
69.00	72.00	3.00	2.96	98.67	2.45	81.67	N<111<
72.00	75.00	3.00	3.05	101.67	2.64	88.00	0<111<M
75.00	78.00	3.00	2.98	99.33	2.67	89.00	<111<
78.00	81.00	3.00	3.00	100.00	2.16	72.00	0<111<
81.00	84.00	3.00	3.03	101.00	2.34	78.00	0<111<
84.00	87.00	3.00	3.05	101.67	2.74	91.33	0<111<
87.00	90.00	3.00	3.03	101.00	2.68	89.33	135<111<
90.00	93.00	3.00	2.95	98.33	3.32	110.67	-130<111<
93.00	96.00	3.00	2.98	99.33	2.38	79.33	80<111<
96.00	99.00	3.00	3.01	100.33	2.53	84.33	0<111<
99.00	102.00	3.00	3.03	101.00	2.13	71.00	0<111<

Hole Number: QK-17-027 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Geotechnical

From	To	Interval	Recovery	Recovery %	RQD	RQD %	Comments
102.00	105.00	3.00	3.09	103.00	2.84	94.67	No ori
105.00	108.00	3.00	2.94	98.00	2.37	79.00	No ori
108.00	111.00	3.00	3.00	100.00	2.71	90.33	No ori
111.00	114.00	3.00	3.08	102.67	2.76	92.00	0<111<
114.00	117.00	3.00	2.94	98.00	2.56	85.33	40<111<
117.00	120.00	3.00	3.14	104.67	2.65	88.33	No ori
120.00	123.00	3.00	2.91	97.00	2.59	86.33	No ori
123.00	126.00	3.00	3.01	100.33	2.91	97.00	No ori
126.00	129.00	3.00	3.06	102.00	2.33	77.67	No ori
129.00	132.00	3.00	3.08	102.67	2.58	86.00	No ori
132.00	135.00	3.00	3.04	101.33	2.53	84.33	-10<111<
135.00	138.00	3.00	2.95	98.33	2.59	86.33	50<111<
138.00	141.00	3.00	3.04	101.33	2.48	82.67	40<111<
141.00	144.00	3.00	2.92	97.33	2.36	78.67	0<111<
144.00	147.00	3.00	3.08	102.67	2.33	77.67	-28<111<M
147.00	150.00	3.00	3.18	106.00	2.80	93.33	<111<
150.00	153.00	3.00	2.95	98.33	2.81	93.67	No ori
153.00	156.00	3.00	3.13	104.33	2.02	67.33	No ori
156.00	159.00	3.00	3.04	101.33	2.51	83.67	No ori
159.00	162.00	3.00	3.14	104.67	2.98	99.33	No ori
162.00	165.00	3.00	2.91	97.00	2.18	72.67	No ori
165.00	168.00	3.00	3.02	100.67	2.51	83.67	No ori
168.00	171.00	3.00	3.28	109.33	2.40	80.00	No ori
171.00	174.00	3.00	2.97	99.00	1.87	62.33	No ori
174.00	177.00	3.00	2.94	98.00	2.58	86.00	No ori
177.00	180.00	3.00	3.08	102.67	2.56	85.33	No ori

Hole Number: QK-17-027 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Point Structure

At	Structure	Alpha	Beta	Core Azi	Core Dip	Calculated Dip	Calculated Strike	Apparent Dip	Dip Direction	Gamma	Joint Fill 1	Fill Material 1	Joint Fill 2	Fill Material 2	Comments
9.50	Foliation	75	175	215.00	-45.00	-30.08	307.58	0	37.58						Foliation in basalt
13.60	Quartz vein	30	350	215.00	-45.00	-75.55	116.07	0	206.07						Mafic vein with quartz diffuse inside. Cross-cutting the foliation. Presence of carbonate. No min.
14.00	Foliation	70	170	215.00	-45.00	-25.49	312.93	0	42.93						Foliation in the basalt
16.70	Fold														Axis 335/20. Calculated by JPD
18.20	Foliation	74	190	215.00	-45.00	-29.35	299.40	0	29.40						Foliation in the basalt
28.18	Quartz vein	35													Quartz-Carbonate vein cross-cutting the apparent foliation. No beta. No min.
34.10	Shearing	75	190	215.00	-45.00	-30.32	299.89	0	29.89						Small shear vein filled with quartz and carbonate. Fuchsite and sericite at the contact. No min.
35.22	Contact	58	260	215.00	-45.00	-48.34	260.69	0	350.69						Bottome contact of the Mafic dyke in the basalt. Low wavy contact. The boundary is mineralized with pyrrhotite and idiomorphic pyrite on the basalt side.
36.30	Foliation	65	230	215.00	-45.00	-33.60	269.19	0	359.19						Weak foliation in the basalt
37.45	Contact	70	120	215.00	-45.00	-38.24	333.59	0	63.59						Apparent contact of the porphyry. The contact is diffuse and hard to distinguish. Might be foliation.
40.00	Foliation	75	140	215.00	-45.00	-34.59	322.04	0	52.04						foliation in basalt
41.95	Contact	45	10	215.00	-45.00	-89.56	312.05	0	42.05						Bottom contact of a mafic dyke
42.65	Lithologic layering	55	230	215.00	-45.00	-32.87	250.94	0	340.94						Contact of two different basaltic flow
46.90	Foliation	62	150	215.00	-45.00	-24.24	339.87	0	69.87	120					Foliation in a mafic dyke with gamma
47.24	Contact	50	240	215.00	-45.00	-39.74	244.46	0	334.46						Contact of a mafic dyke
52.00	Foliation	70	190	215.00	-45.00	-25.49	297.07	0	27.07						Foliation in basalt
57.71	Contact	60	180	215.00	-45.00	-15.00	305.00	0	35.00						Contact between basalt and dioritic porphyry
61.80	Foliation	65	180	215.00	-45.00	-20.00	305.00	0	35.00						Foliation in the plagioclase phyric basalt
64.54	Contact	65	190	215.00	-45.00	-20.75	293.04	0	23.04						Upper contact of a dioritic porphry dyke and the basalt

Hole Number: QK-17-027 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Point Structure

At	Structure	Alpha	Beta	Core Azi	Core Dip	Calculated Dip	Calculated Strike	Apparent Dip	Dip Direction	Gamma	Joint Fill 1	Fill Material 1	Joint Fill 2	Fill Material 2	Comments
69.36	Stringer	62	200	215.00	-45.00	-20.56	277.80	0	7.80						Stringe of Po Ccp
69.80	Fold														Axe de pli 342/27. Pli asymétrique avec vergence uphole
72.80	Stringer	65	190	215.00	-45.00	-20.75	293.04	0	23.04						Serie of stringers of chalcopyrite. Seems to go along the foliation
76.00	Calcite vein	30	330	215.00	-45.00	-79.82	98.90	0	188.90						Brecciated calcite vein
83.00	Foliation	65	180	215.00	-45.00	-20.00	305.00	0	35.00						Foliation in the plagiocalse phyric basalt
88.00	Foliation	60	70	215.00	-45.00	-60.56	337.65	0	67.65						Foliation In plagioclase phyric basalt
93.60	Stringer	65	125	215.00	-45.00	-35.68	341.41	0	71.41						Stringer of chalcopyrite
112.10	Quartz vein	15	170	215.00	-45.00	-31.17	106.09	0	196.09						upper contact of a quartz carbonate vein with good Ccp and Po
112.20	Quartz vein	45	180	215.00	-45.00	0.00	326.31	0	56.31						Lower contact of previous Qtz-Ca vein
136.20	Foliation	60	200	215.00	-45.00	-19.16	273.60	0	3.60						Foliation in basalt
138.30	Stringer	52	130	215.00	-45.00	-33.17	4.54	0	94.54						Stringer of Ccp and Po
143.42	Contact	35	230	215.00	-45.00	-38.93	218.03	0	308.03						Contact of the gabbro and basalt

Orford Mining

Drill Log Report

Hole Number: QK-17-028 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Project

Project Number: Qiqavik Drilling
Date Started: août 14, 2017
Date Completed: août 15, 2017
Drilling Contractor: Forage G4
Survey Contractor:
Date Logged: août 16, 2017

Drilling

Making Water: N **OIH Comments:**
Gas Intersected: N
Is Hole Plugged: N
Object in Hole: N **Material LIH:**
Is Cemented: N
Is Hole Blocked:
Verified: N

Collar

NTS: 35G12 **Collar Dip:** -45.00
UTM Zone: UTM83-18 **Collar Azi:** 210.00
Lot: **Length:** 174.00
Township:
Range / Concession:
Claim Number: 2442178 **Core Size:** NQ
Collar Survey Type: **Casing Status:** Left In Hole

Coordinates

UTM Coordinates
North: 6,831,868.00
East: 458,121.00
Elev: 300.00

Logged By

Geologist 1: Arnaud Fontaine, Géo
Geologist 2:
Geologist 3:
Geologist 4:

ROBERT CLOUTIER # 1233 GÉOLOGUE QUÉBEC

Detailed Lithology

From	To	Lithology	Oxidation	Texture	Grain Size	Tone	Colour
0.00	3.63	**OB, Overburden**					
3.63	14.35	**V3B, Basalt** Weakly foliated to massive basalt. Mineralized from the beggining to 7 meters. Strucutre around 6m hidden by weathering		Foliated	Very Fine Grained		
14.35	14.47	**I3, Intrusive Mafic Rocks** Mafic dyke altered to chlorite. Seems to go along the weak apparent foliation f the basalt. Chill margin in the basalt on the boundary.					
14.47	16.93	**V3B, Basalt** Basalt with no apparent texture. Really weak foliation at some place? High frequence of calcite vein.			Very Fine Grained		
16.93	18.25	**I3A, Gabbro** Gabbroic dyke. Massive texture.		Massive	Fine Grained		
18.25	18.80	**V3B, Basalt**					

Mineralization

From	To	Type	Style	%	Comments
4.00	7.00	Pyrite	Fracture/vein controlled	0.50	stringers of Py (Po). Near the shear zone
7.00	26.62	Sulphides	Fracture/vein controlled	0.05	Fex band of Po and Py in the basalt (only) in fracture filling
26.62	31.64	Pyrite	Disseminated	1.00	Disseminated pyrite in the seritization. Some alonf the foliation also.
31.64	47.40	Pyrite	Stringer	1.00	Stringer of pyrite with some pyrrhotite in the basalt (only)
47.40	55.20	Pyrite	Stringer	1.00	Stringer of pyrite with some pyrrhotite in the basalt.
47.40	49.00	Arsenopyrite	Stringer	4.50	

Alteration

From	To	Style	Type	Intensity	Comments
3.63	174.00	Pervasive	Chloritization	Weak	Weak background of chloritization.
3.63	15.20	Fracture/vein controlled	Carbonatization	Weak	Carbonatization in fracture filling
4.00	12.00	Pervasive	Sericitization	Moderate	Moderate to weak seritization in the basalt. Related to a shear zone. More chaotic and the end of the interval.
6.39	7.00	Fracture/vein controlled	Fuchsite	Moderate	Fuschsite brought by a shear zone.
15.20	24.80	Fracture/vein controlled	Calcite	Strong	High frequence of calcite vein in the basalt. Only in basalt intervals.
24.80	78.24	Fracture/vein controlled	Calcite	Weak	

Detailed Lithology

From	To	Lithology
		Basalt with no apparent texture. High frequence of calcite vein. **Oxidation** **Texture** **Grain Size** **Tone** **Colour** Very Coarse Grained
18.80	19.65	**I4B, Pyroxenite** Pyroxenite dyke. Massive texture. Small interval of 3 cm also in basalt 25 cm after. **Oxidation** **Texture** **Grain Size** **Tone** **Colour** Massive Fine Grained
19.65	23.43	**V3B, Basalt** Basalt with no apparent texture. High frequence of calcite vein. **Oxidation** **Texture** **Grain Size** **Tone** **Colour** Very Fine Grained
23.43	23.60	**I3, Intrusive Mafic Rocks** Massive mafic dyke. Seems to have brought a sericite alteration on the margin in the basalt for 10cm on each side. **Oxidation** **Texture** **Grain Size** **Tone** **Colour** Very Fine Grained
23.60	43.02	**V3B, Basalt** Basalt with high frequence of calcite vein at the beginning of the interval. Moderatly altered to sericite and fuchsite between 26.5 and 31.5 that brought a foliation. Po and Py mineralization from the alteration zone to the end. **Oxidation** **Texture** **Grain Size** **Tone** **Colour** Very Fine Grained
43.02	44.25	**I2, Intrusive Intermediate Rocks** Something with a ratio Ti/Zr of 0.32/145 **Oxidation** **Texture** **Grain Size** **Tone** **Colour**
44.25	56.75	**V3B, Basalt** Basalt locally sericitized. Mineralized with stringers of Po and Py. **Oxidation** **Texture** **Grain Size** **Tone** **Colour** Very Fine Grained
56.75	59.11	**I3, Intrusive Mafic Rocks** Dyke of gabbro? Can ba a massive area of a flow. The edge are hidden by alteration and can be also transitionnal.

Mineralization

From	To	Type	Style	%
		Small stringers of Py-As. One stringer of As-Py of 2.5 cm and another one of 1 cm in the interval		
51.99	52.01	Chalcopyrite	Patchy	1.00
		Comments One patch of chalcopyrite		
63.20	66.10	Pyrite	Stringer	0.50
		Comments Stringers of pyrite and pyrrhotie. Some of them show idiomorphic pyrite.		
67.47	71.70	Sulphides	Stringer	0.20
		Comments Some stringer of Py-Po. Idiomorphic pyrite. Some follow the foliation.		
71.70	73.20	Sulphides	Stringer	1.00
		Comments Stringer of Po-Py. Idiomorphic pyrite.		
73.20	79.43	Pyrite	Disseminated	0.05
		Comments Trace of disseminated pyrite.		
79.43	80.64	Pyrrhotite	Fracture/vein controlled	1.00
		Comments Pyrrhotite with chalcopyrite and trace of molybdenite associated with two quartz veins.		
80.64	105.10	Sulphides	Fracture/vein controlled	0.05
		Comments Rare stringer Py-Po. Idiomorphic pyrite.		
105.10	121.10	Sulphides	Disseminated	0.10
		Comments		

Alteration

From	To	Style	Type	Intensity
		Weak to moderate cacite vein in the basalt		
26.62	31.64	Pervasive	Sericitization	Moderate
		Comments Moderate seritization with some shear zone inside.		
26.88	28.50	Fracture/vein controlled	Fuchsite	Weak
		Comments Presence of fuchsite in the sericitized interval mostly realted to fracture		
55.20	57.30	Pervasive	Sericitization	Moderate
		Comments Moderate seritization realted to an extensive vein		
57.30	59.32	Pervasive	Sericitization	Weak
		Comments Weak seritization. Transitionnal between to moderate sericite zone		
59.32	59.70	Pervasive	Sericitization	Moderate
		Comments Moderate seritization realted to a small vein		
59.70	66.20	Pervasive	Sericitization	Weak
		Comments Weak background of seritization		
63.60	66.10	Disseminated	Actinolite	Weak
		Comments Presence of actinolite randomly crystalized. Thermic effect only.		
66.20	67.38	Pervasive	Sericitization	Moderate
		Comments Moderate seritization relates to an extensive vein		

Detailed Lithology

From	To	Lithology				
		Oxidation	**Texture**	**Grain Size**	**Tone**	**Colour**
			Massive	Fine Grained		
59.11	66.62	**V3B, Basalt** Weakly foliated basalt with intervals of plagioclase phyric basalt. Presence of random actinolite shards at the botom of the unit.				
		Oxidation	**Texture**	**Grain Size**	**Tone**	**Colour**
			Foliated	Very Fine Grained		
66.62	67.40	**I3, Intrusive Mafic Rocks** Dyke of gabbro. Can be a massive part of a flow. Altered to sericite and chlorite which make the minerals visible.				
		Oxidation	**Texture**	**Grain Size**	**Tone**	**Colour**
			Massive	Fine Grained		
67.40	75.43	**V3B, Basalt** Weakly foliated basalt with intervals of plagioclase phyric basalt.				
		Oxidation	**Texture**	**Grain Size**	**Tone**	**Colour**
			Foliated	Very Fine Grained		
75.43	80.64	**I3, Intrusive Mafic Rocks** Dyke of gabbro. Can be a massive part of a flow. Bleached by two quartz vein with good Py-Ccp-(Mo) mineralization. Garnet at the contact of those veins.Top contact is transitionnal and hard to define.				
		Oxidation	**Texture**	**Grain Size**	**Tone**	**Colour**
			Massive	Fine Grained		
80.64	91.37	**V3B, Basalt** Basalt with intervals of plagiocalse phyric basalt where we can see a weak foliation.				
		Oxidation	**Texture**	**Grain Size**	**Tone**	**Colour**
			Foliated	Very Fine Grained		
91.37	92.82	**I3, Intrusive Mafic Rocks** Dyke of gabbro. Less chance to be a massive flow since we can see two edge.				
		Oxidation	**Texture**	**Grain Size**	**Tone**	**Colour**
			Massive	Fine Grained		
92.82	118.78	**V3B, Basalt** Basalt with intervals of plagiocalse phyric basalt where we can see a very weak foliation. Mineralization between 105 and 110.				
		Oxidation	**Texture**	**Grain Size**	**Tone**	**Colour**
				Very Coarse Grained		

Mineralization

From	To	Type	Style	%
		Disseminated Py-Po with some idiomorphic pyrite. Sometimes along foliation. More present in the last 20 cm of the interval due to the upcoming shear zone.		
105.10	109.10	Sulphides	Fracture/vein controlled	1.00
		Comments Stringer of Po-Py. Idiomorphic pyrite.		
121.10	162.10	Sulphides	Disseminated	0.05
		Comments Disseminated pyrite with sometimes pyrrhotite. Sometimes along the foliation more present in the fine grained part of the gabbro unit.		
121.10	121.30	Pyrite	Fracture/vein controlled	8.00
		Comments 2 cm thick of idiomorphyc Pyrite on the boundary of the shear zone. 1% of pyrite in the shear zone		
162.10	174.00	Sulphides	Fracture/vein controlled	0.10
		Comments Some stringer of Py-Po. Idiomorphic pyrite		
162.10	165.82	Pyrite	Fracture/vein controlled	10.00
		Comments Small stringers of pyrite.		
162.10	165.77	Pyrite	Fracture/vein controlled	0.75
		Comments Fracture control of the idiomorphic pyrite.		

Alteration

From	To	Style	Type	Intensity
78.24	174.00	Fracture/vein controlled	Calcite	Weak
		Comments Weak to moderate frequence of calcite veins in the basalt		
78.24	79.19	Along Foliation	Calcite	Strong
		Comments High frequency of calcite vein all with the same orientation. Along foliation?		
79.40	80.66	Fracture/vein controlled	Bleached/Bleaching	Moderate
		Comments Bleaching related to two quartz veins with good mineralization		
87.50	88.50	Along Foliation	Biotite	Weak
		Comments Presence of biotite stripes in the basalt. Hard to detect.		
103.95	104.86	Pervasive	Sericitization	Moderate
		Comments Moderate seritization interval. Related to a quartz-pyrite vein.		
106.00	115.00	Pervasive	Calcite	Moderate
115.18	115.61	Pervasive	Sericitization	Weak
		Comments weak sericitazation. no apparent source		
118.26	131.00	Fracture/vein controlled	Sericitization	Moderate
		Comments sericitization. vein control. all veins of the area have sericitization on their bounderies		
119.00	120.00	Disseminated	Actinolite	Weak
		Comments		

Detailed Lithology

From	To	Lithology
118.78	120.06	**I3, Intrusive Mafic Rocks** Melanograbbro intrusion with actinolite. boundary highly altered by sericite. The contact is hidden. **Oxidation** **Texture** **Grain Size** **Tone** **Colour** Massive Fine Grained
120.06	127.00	**I3A, Gabbro** Fine grained gabbro.Seems to have a transitionnal bounday with melanogabbro and more grained gabbro. Locally mineralized with pyrite in distinctive shape due to alteration. **Oxidation** **Texture** **Grain Size** **Tone** **Colour** Fine Grained
127.00	139.00	**I3A, Gabbro** Medium grained gabbro locally foliated. Medium pyroxene witch some are sercitized. Transitionnal bounday **Oxidation** **Texture** **Grain Size** **Tone** **Colour** Foliated Medium Grained
139.00	141.28	**V3B, Basalt** Weird looking plagioclase phyric basalt? Hidden by alteration. We can see some small intervals of plagiophyric basalt and some grey drab. **Oxidation** **Texture** **Grain Size** **Tone** **Colour** Plagioclase phyric Fine Grained
141.28	141.74	**I2Y, Porphyry Intermediate Intrusive** Dioritic porphyry foliated. No Minzone adjacent **Oxidation** **Texture** **Grain Size** **Tone** **Colour** Plagioclase phyric Medium Grained
141.74	163.00	**I3A, Gabbro** Many intervals intercalated of medium grained gabbro altered to sericite and more fine intervals which can be basalt flow or micro gabbro. Really hard to detect the boundary as they are transitionnal and altered. Some intervals are mineralized with pyrite stringer. Similar look of 120m to 141m. Locally foliated which doesnt help here. **Oxidation** **Texture** **Grain Size** **Tone** **Colour** Fine Grained
163.00	174.00	**V3B, Basalt** weakly foliated. with some plagioclasephytric texture intervals. **Oxidation** **Texture** **Grain Size** **Tone** **Colour** Foliated Fine Grained

Alteration

From	To	Style	Type	Intensity
		Actinolite cristals randomly displayed compromise inside the melanograbbro unit.		
132.00	147.00	Pervasive	Calcite	Moderate
144.34	145.00	Along Foliation	Biotite	Weak
144.34	145.00	Pervasive	Sericitization	Weak
		Comments no apparent source. with biotite		
152.00	165.00	Pervasive	Calcite	Moderate
155.00	155.04	Along Foliation	Sericitization	Moderate
		Comments small interval of sericitization brought by qz-cb vein		
157.00	161.00	Spotted	Sericitization	Weak
		Comments sericitization of the plagioclase in a more fine grained unit		
168.00	174.00	Pervasive	Calcite	Moderate

Hole Number: QK-17-028 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Sampling

From	To	Sample Number	Sample Type	Au (gpt)	Ag (gpt)	Cu (%)	Zn (%)	Pb (%)	Mg (%)	Fe (%)	Ca (%)
4.00	5.00	410594	ASSAY								
5.00	6.26	410595	ASSAY								
6.26	6.74	410596	ASSAY								
6.74	7.82	410597	ASSAY								
7.82	9.00	410598	ASSAY								
9.00	10.00	410599	ASSAY								
10.00	11.00	410601	ASSAY								
11.00	12.00	410602	ASSAY								
12.00	13.00	410603	ASSAY								
13.00	14.00	410604	ASSAY								
14.00	15.00	410605	ASSAY								
15.00	16.00	410606	ASSAY								
16.00	16.93	410607	ASSAY								
16.93	18.25	410608	ASSAY								
18.25	18.80	410609	ASSAY								
18.80	19.64	410611	ASSAY								
19.64	20.50	410612	ASSAY								
20.50	21.50	410613	ASSAY								
21.50	22.50	410614	ASSAY								
22.50	23.28	410615	ASSAY								
23.28	23.81	410616	ASSAY								
23.81	25.00	410617	ASSAY								
25.00	26.00	410618	ASSAY								
26.00	26.62	410619	ASSAY								
26.00	26.62	410620	DUP								
26.62	27.17	410621	ASSAY								
27.17	28.00	410622	ASSAY								
28.00	28.72	410623	ASSAY								

Hole Number: QK-17-028 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Sampling

From	To	Sample Number	Sample Type	Au (gpt)	Ag (gpt)	Cu (%)	Zn (%)	Pb (%)	Mg (%)	Fe (%)	Ca (%)
28.72	29.17	410624	ASSAY								
29.17	30.00	410625	ASSAY								
30.00	30.66	410626	ASSAY								
30.66	31.32	410627	ASSAY								
31.32	32.50	410628	ASSAY								
32.50	33.50	410629	ASSAY								
33.50	34.00	410631	ASSAY								
34.00	35.00	410632	ASSAY								
35.00	36.00	410633	ASSAY								
36.00	37.00	410634	ASSAY								
37.00	38.00	410635	ASSAY								
38.00	39.00	410636	ASSAY								
39.00	40.00	410637	ASSAY								
40.00	41.00	410638	ASSAY								
41.00	42.00	410639	ASSAY								
41.00	42.00	410640	DUP								
42.00	43.00	410641	ASSAY								
43.00	43.34	410642	ASSAY								
43.34	44.00	410643	ASSAY								
44.00	45.00	410644	ASSAY								
45.00	46.00	410645	ASSAY								
46.00	46.75	410646	ASSAY								
46.75	47.34	410647	ASSAY								
47.34	47.64	410648	ASSAY								
47.64	48.31	410649	ASSAY								
48.31	48.61	410651	ASSAY								
48.61	49.08	410652	ASSAY								
49.08	50.00	410653	ASSAY								
50.00	51.00	410654	ASSAY								

Hole Number: QK-17-028 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Sampling

From	To	Sample Number	Sample Type	Au (gpt)	Ag (gpt)	Cu (%)	Zn (%)	Pb (%)	Mg (%)	Fe (%)	Ca (%)
51.00	52.04	410655	ASSAY								
52.04	53.00	410656	ASSAY								
53.00	54.00	410657	ASSAY								
54.00	55.20	410658	ASSAY								
55.20	56.20	410659	ASSAY								
56.20	56.74	410661	ASSAY								
56.74	57.24	410662	ASSAY								
57.24	58.25	410663	ASSAY								
58.25	59.12	410664	ASSAY								
59.12	59.71	410665	ASSAY								
59.71	61.00	410666	ASSAY								
61.00	62.00	410667	ASSAY								
62.00	63.00	410668	ASSAY								
63.00	64.00	410669	ASSAY								
63.00	64.00	410670	DUP								
64.00	65.00	410671	ASSAY								
65.00	66.00	410672	ASSAY								
66.00	66.63	410673	ASSAY								
66.63	67.38	410674	ASSAY								
67.38	68.00	410675	ASSAY								
68.00	69.00	410676	ASSAY								
69.00	70.00	410677	ASSAY								
70.00	71.00	410678	ASSAY								
71.00	71.54	410679	ASSAY								
71.54	72.50	410685	ASSAY								
72.50	73.22	410686	ASSAY								
73.22	74.00	410687	ASSAY								
74.00	75.00	410688	ASSAY								
75.00	76.00	410689	ASSAY								

Hole Number: QK-17-028 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Sampling

From	To	Sample Number	Sample Type	Au (gpt)	Ag (gpt)	Cu (%)	Zn (%)	Pb (%)	Mg (%)	Fe (%)	Ca (%)
76.00	77.00	410691	ASSAY								
77.00	78.00	410692	ASSAY								
78.00	79.00	410693	ASSAY								
79.00	79.42	410694	ASSAY								
79.42	80.12	410696	ASSAY								
80.12	80.65	410697	ASSAY								
80.65	81.15	410698	ASSAY								
81.15	82.00	410699	ASSAY								
81.15	82.00	410700	DUP								
82.00	83.00	410701	ASSAY								
83.00	84.00	410702	ASSAY								
84.00	85.00	410703	ASSAY								
90.00	91.00	410704	ASSAY								
96.00	97.00	410705	ASSAY								
102.00	103.00	410706	ASSAY								
103.00	103.94	410707	ASSAY								
103.94	104.85	410708	ASSAY								
104.85	106.00	410709	ASSAY								
106.00	107.00	410711	ASSAY								
107.00	108.00	410712	ASSAY								
108.00	109.10	410713	ASSAY								
109.10	110.00	410714	ASSAY								
114.00	115.00	410715	ASSAY								
119.00	120.00	410716	ASSAY								
120.00	121.00	410717	ASSAY								
121.00	121.40	410718	ASSAY								
121.40	122.00	410719	ASSAY								
122.00	123.00	410721	ASSAY								
124.50	125.50	410722	ASSAY								

Hole Number: QK-17-028 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Sampling

From	To	Sample Number	Sample Type	Au (gpt)	Ag (gpt)	Cu (%)	Zn (%)	Pb (%)	Mg (%)	Fe (%)	Ca (%)
125.50	126.50	410723	ASSAY								
128.00	128.50	410724	ASSAY								
128.50	129.55	410725	ASSAY								
129.55	130.00	410726	ASSAY								
130.00	130.52	410727	ASSAY								
130.52	131.00	410728	ASSAY								
131.00	132.00	410729	ASSAY								
138.00	139.00	410730	ASSAY								
144.00	145.00	410731	ASSAY								
150.00	151.00	410732	ASSAY								
150.00	151.00	410733	DUP								
156.00	157.00	410734	ASSAY								
162.00	163.00	410735	ASSAY								
163.00	164.00	410736	ASSAY								
164.00	165.00	410737	ASSAY								
165.00	165.60	410738	ASSAY								
165.60	166.00	410739	ASSAY								
166.00	167.00	410741	ASSAY								
167.00	168.00	410742	ASSAY								
168.00	169.00	410743	ASSAY								

Geotechnical

From	To	Interval	Recovery	Recovery %	RQD	RQD %	Comments
3.63	6.00	2.37	2.37	100.00	0.74	31.22	N=00=
6.00	9.00	3.00	2.97	99.00	2.05	68.33	N=000=
9.00	12.00	3.00	3.06	102.00	3.06	102.00	N<111<
12.00	15.00	3.00	3.03	101.00	2.51	83.67	M>001<
15.00	18.00	3.00	2.91	97.00	2.56	85.33	N=000=
18.00	21.00	3.00	3.01	100.33	2.73	91.00	N<111<

Hole Number: QK-17-028 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Geotechnical

From	To	Interval	Recovery	Recovery %	RQD	RQD %	Comments
21.00	24.00	3.00	3.02	100.67	2.94	98.00	0<111<
24.00	27.00	3.00	2.90	96.67	2.72	90.67	-18<111<
27.00	30.00	3.00	3.15	105.00	2.59	86.33	M>110<
30.00	33.00	3.00	2.91	97.00	2.58	86.00	M>1.11<
33.00	36.00	3.00	3.07	102.33	2.48	82.67	N=000=
36.00	39.00	3.00	2.94	98.00	2.78	92.67	N<111<
39.00	42.00	3.00	3.00	100.00	2.60	86.67	N=111<
42.00	45.00	3.00	3.07	102.33	2.98	99.33	-25<111<
45.00	48.00	3.00	3.00	100.00	2.93	97.67	N=000=
48.00	51.00	3.00	2.94	98.00	2.52	84.00	N=011<
51.00	54.00	3.00	2.95	98.33	2.47	82.33	N<111<M
54.00	57.00	3.00	2.98	99.33	2.65	88.33	<111<
57.00	60.00	3.00	3.02	100.67	2.97	99.00	5<111<
60.00	63.00	3.00	2.97	99.00	2.61	87.00	0<111<
63.00	66.00	3.00	2.97	99.00	2.60	86.67	N=000=
66.00	69.00	3.00	3.11	103.67	2.98	99.33	N<111<
69.00	72.00	3.00	2.92	97.33	2.77	92.33	10<111<
72.00	75.00	3.00	3.00	100.00	2.45	81.67	M>111>
75.00	78.00	3.00	2.99	99.67	2.91	97.00	16<111<
78.00	81.00	3.00	2.98	99.33	2.73	91.00	M>111>
81.00	84.00	3.00	3.00	100.00	2.94	98.00	0<111<
84.00	87.00	3.00	2.96	98.67	2.78	92.67	-100<111<
87.00	90.00	3.00	3.06	102.00	2.29	76.33	60<111<
90.00	93.00	3.00	3.00	100.00	2.90	96.67	25<111<
93.00	96.00	3.00	2.95	98.33	2.72	90.67	0<111<
96.00	99.00	3.00	3.04	101.33	2.91	97.00	-10<111<
99.00	102.00	3.00	2.98	99.33	2.96	98.67	120<111<
102.00	105.00	3.00	3.04	101.33	2.91	97.00	M>111>

Hole Number: QK-17-028 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Geotechnical

From	To	Interval	Recovery	Recovery %	RQD	RQD %	Comments
105.00	108.00	3.00	2.89	96.33	2.62	87.33	-18<111<
108.00	111.00	3.00	3.06	102.00	2.76	92.00	-76<111<
111.00	114.00	3.00	2.96	98.67	2.54	84.67	-40<111<
114.00	117.00	3.00	3.01	100.33	2.77	92.33	M>.111<
117.00	120.00	3.00	3.02	100.67	2.85	95.00	-76<111<
120.00	123.00	3.00	2.90	96.67	2.19	73.00	110<111<
123.00	126.00	3.00	3.06	102.00	2.52	84.00	-50<111<
126.00	129.00	3.00	2.97	99.00	2.73	91.00	0<111<
129.00	132.00	3.00	2.93	97.67	2.68	89.33	0<111<
132.00	135.00	3.00	3.09	103.00	3.04	101.33	20<111<
135.00	138.00	3.00	2.96	98.67	2.96	98.67	-140<111<
138.00	141.00	3.00	3.04	101.33	2.85	95.00	N<111<M
141.00	144.00	3.00	2.96	98.67	2.81	93.67	<111<
144.00	147.00	3.00	3.08	102.67	2.96	98.67	Orientation line with high difference. Can't make sense of it. Not taken.
147.00	150.00	3.00	2.98	99.33	2.70	90.00	Orientation line with high difference. Can't make sense of it. Not taken.
150.00	153.00	3.00	2.88	96.00	2.56	85.33	Orientation line with high difference. Can't make sense of it. Not taken.
153.00	156.00	3.00	2.99	99.67	2.91	97.00	Orientation line with high difference. Can't make sense of it. Not taken.
156.00	159.00	3.00	2.96	98.67	2.87	95.67	Orientation line with high difference. Can't make sense of it. Not taken.
159.00	162.00	3.00	3.03	101.00	2.77	92.33	Orientation line with high difference. Can't make sense of it. Not taken.
162.00	165.00	3.00	2.92	97.33	2.55	85.00	Orientation line with high difference. Can't make sense of it. Not taken.
165.00	168.00	3.00	3.04	101.33	2.67	89.00	Orientation line with high difference. Can't make sense of it. Not taken.
168.00	171.00	3.00	3.02	100.67	2.80	93.33	Orientation line with high difference. Can't make sense of it. Not taken.
171.00	174.00	3.00	3.02	100.67	3.02	100.67	Orientation line with high difference. Can't make sense of it. Not taken.

Structure

From	To	Structure	Alpha	Beta	Fill Material 1	Fill Material 2	Comments
6.29	6.72	Shearing					Shear zone with extensive quartz-carbonate veins. Pyrite stringer associated.
12.11	12.22	Quartz vein					Quartz-Carboante vein. Basalt enclave. No min
28.05	29.15	Shearing					Shearing in the sericite zone. No orientation line possible

Structure

From	To	Structure	Alpha	Beta	Fill Material 1	Fill Material 2	Comments
32.49	32.66	Quartz vein					Quartz vein with carbonate. Mineralised on the boundary
40.71	40.76	Dyke					Small intermediate dyke.
56.41	56.53	Quartz vein					Tension Quartz-Carbonate vein with crystal shards on the boundary. Brought a seritization halo. Orientation in point structure

Point Structure

At	Structure	Alpha	Beta	Core Azi	Core Dip	Calculated Dip	Calculated Strike	Apparent Dip	Dip Direction	Gamma	Joint Fill 1	Fill Material 1	Joint Fill 2	Fill Material 2	Comments
14.47	Contact	68	175	210.00	-45.00	-23.15	304.76	0	34.76						Lower contact of the mafic dyke with the basalt
18.25	Contact	80	180	210.00	-45.00	-35.00	300.00	0	30.00						Lower contact of the gabbroic dyke with the basalt
18.80	Contact	65	200	210.00	-45.00	-22.83	278.13	0	8.13						Upper contact of the pyroxenite
19.65	Contact	32	180	210.00	-45.00	-13.00	120.00	0	210.00						Lower contact of the pyroxenite
23.43	Contact	65	200	210.00	-45.00	-22.83	278.13	0	8.13						Upper contact of a mafic dyke.
28.75	Shearing	60	260	210.00	-45.00	-47.64	258.21	0	348.21						Small shearing in the sericite. Quartz vein associated
32.66	Quartz vein	80	120	210.00	-45.00	-40.73	313.32	0	43.32						Lower contact of a quartz vein.
39.20	Foliation	70	160	210.00	-45.00	-26.91	314.98	0	44.98						Weak foliation in the basalt
43.00	Contact	65	220	210.00	-45.00	-29.57	266.60	0	356.60						Contact of the intermediate dyke
47.53	Stringer	85													Stringer of arsenopyrite. No orientation line possible
56.41	Quartz vein	62	260	210.00	-45.00	-47.00	260.79	0	350.79						Orientation of a tension vein. Same on both side. See in structure.
59.11	Contact	75	110	210.00	-45.00	-41.79	321.41	0	51.41						Bottom contact with the gabbroic dyke (or the end of a massive flow) with basalt.
59.75	Foliation	75	280	210.00	-45.00	-49.37	280.37	0	10.37						Weak foliation in the basalt. Hard to take measurements due to the high core angle.
63.52	Stringer	70	250	210.00	-45.00	-41.65	271.08	0	1.08						Stringer of Py and Po in the basalt
66.45	Quartz vein	65	130	210.00	-45.00	-33.60	335.81	0	65.81						Quartz-carbonate vein with a shearing seritized in the middle. Minerals crystal

Hole Number: QK-17-028 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Point Structure

At	Structure	Alpha	Beta	Core Azi	Core Dip	Calculated Dip	Calculated Strike	Apparent Dip	Dip Direction	Gamma	Joint Fill 1	Fill Material 1	Joint Fill 2	Fill Material 2	Comments
67.40	Quartz vein	85													Quartz vein perpendicular to the core. Beta impossible due to high core angle.
70.20	Foliation	78	220	210.00	-45.00	-36.46	287.00	0	17.00						Weak foliation in the basalt. Hard to take measurements due to the high core angle.
79.65	Quartz vein	8	300	210.00	-45.00	-75.42	57.61	0	147.61						Quartz vein with Po-Ccp-(Mo) mineralization. The vein bleached the host rock. Garnet minerals near the boundary in the gabbro.
80.53	Quartz vein														Quartz vein along the core axis. Doesn't go across the core axis. Po-Ccp-(Mo) mineralization. Bleaching in the host rock
85.00	Foliation	70	220	210.00	-45.00	-31.82	275.36	0	5.36						Foliation in the plagioclase phyric basalt
91.37	Contact	62	125	210.00	-45.00	-35.44	341.55	0	71.55						Upper contact of the gabbroic dyke with the basalt
92.82	Contact	75	170	210.00	-45.00	-30.32	305.11	0	35.11						Lower contact of the gabbroic dyke with the basalt
101.00	Foliation	75	80	210.00	-45.00	-49.37	319.63	0	49.63						Weak foliation in the plagioclase phyric basalt
121.70	Shearing	65													Small shear zone with Qz-Cb filliing. Good concentration of pyrite on the upper contact. No Beta because of the shitty orientation line. Highly chloritizied.
130.22	Quartz vein	80													White massive quartz vein that brought moderate sericitization of the boundary with some fushcite. No min.
130.59	Quartz vein	60													Half smoked qz vein. Seems to go along the local foliaiton. No min.
154.95	Quartz vein	65													Qz-Cb small veinthat brought sericitization around 155. Pyrite associated to the vein.

Orford Mining

Drill Log Report

Hole Number: QK-17-029 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Project

Project Number: Qiqavik Drilling
Date Started: août 15, 2017
Date Completed: août 16, 2017
Drilling Contractor: Forage G4
Survey Contractor:
Date Logged: août 17, 2017

Drilling

Making Water: N **OIH Comments:**
Gas Intersected: N
Is Hole Plugged: N
Object in Hole: N **Material LIH:**
Is Cemented: N
Is Hole Blocked:
Verified: N

Collar

NTS: 35G11 **Collar Dip:** -45.00
UTM Zone: UTM83-18 **Collar Azi:** 180.00
Lot: **Length:** 78.00
Township:
Range / Concession:
Claim Number: 2435180 **Core Size:** NQ
Collar Survey Type: **Casing Status:** Left In Hole

Coordinates

UTM Coordinates
North: 6,825,236.00
East: 477,501.00
Elev: 425.00

Logged By

Geologist 1: Arnaud Fontaine, Géo
Geologist 2:
Geologist 3:
Geologist 4:

GÉOLOGUE ROBERT CLOUTIER # 1233 QUÉBEC

Detailed Lithology

From	To	Lithology	Oxidation	Texture	Grain Size	Tone	Colour
0.00	4.36	**OB, Overburden**					
4.36	59.18	**V3B, Basalt** Basalt and plagioclase phyric basalt intervals with some really darkish massive interval. Moderatly altered to biotite except in the darkish massive interval. The biotite is locally foliated. Very weak mineralization of pyrrhotite with trace of Chalcopyrite.		Foliated	Very Fine Grained		
59.18	59.90	**I4B, Pyroxenite** Pyroxenite. Massive. Pervasive calcite along the unit between the pyroxene minerals		Massive	Fine Grained		
59.90	78.00	**V3B, Basalt** Basalt and plagioclase phyric basalt intervals with some really darkish massive interval. Moderatly altered to biotite except in the darkish massive interval. The biotite is locally foliated. Very weak mineralization of pyrrhotite with trace of Chalcopyrite.		Foliated	Very Fine Grained		

Mineralization

From	To	Type	Style	%	Comments
4.36	78.00	Sulphides	Disseminated	0.01	Trace of Ccp-Po-Py isolated dissolved bleb in the basalt. Small concentration of 1 cm in the last meter of the hole
35.45	35.55	Pyrrhotite	Stringer	1.00	Small interval with few stringer of pyrrhotite

Alteration

From	To	Style	Type	Intensity	Comments
4.36	59.18	Fracture/vein controlled	Calcite	Weak	Weak frequence of carbonate vein
4.36	78.00	Along Foliation	Biotite	Moderate	Weak to moderate alteration of biotite. Locally more present in the plagioclase phyric interval.
59.18	59.90	Pervasive	Calcite	Strong	Calcite that looks like interstitial. All between the pyroxene minerals
59.90	78.00	Fracture/vein controlled	Calcite	Weak	Weak frequence of carbonate vein.

Hole Number: QK-17-029 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Sampling

From	To	Sample Number	Sample Type	Au (gpt)	Ag (gpt)	Cu (%)	Zn (%)	Pb (%)	Mg (%)	Fe (%)	Ca (%)
9.00	10.00	410744	ASSAY								
15.00	16.00	410745	ASSAY								
21.00	22.00	410746	ASSAY								
22.00	23.00	410747	ASSAY								
23.00	24.00	410748	ASSAY								
24.00	25.00	410749	ASSAY								
25.00	26.00	410751	ASSAY								
26.00	27.00	410752	ASSAY								
27.00	28.00	410753	ASSAY								
34.00	35.00	410754	ASSAY								
35.00	36.00	410755	ASSAY								
36.00	37.00	410756	ASSAY								
42.00	43.00	410757	ASSAY								
48.00	49.00	410758	ASSAY								
54.00	55.00	410759	ASSAY								
60.00	61.00	410761	ASSAY								
66.00	67.00	410762	ASSAY								
67.00	68.00	410763	ASSAY								
68.00	69.00	410764	ASSAY								
69.00	70.00	410765	ASSAY								
70.00	71.00	410766	ASSAY								
76.00	77.00	410767	ASSAY								
77.00	78.00	410768	ASSAY								

Geotechnical

From	To	Interval	Recovery	Recovery %	RQD	RQD %	Comments
4.36	6.00	1.64	1.64	100.00	0.56	34.15	N=000=
6.00	9.00	3.00	2.96	98.67	1.66	55.33	N=000=
9.00	12.00	3.00	2.85	95.00	1.63	54.33	N=000=

Hole Number: QK-17-029 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo

Geotechnical

From	To	Interval	Recovery	Recovery %	RQD	RQD %	Comments
12.00	15.00	3.00	2.68	89.33	1.25	41.67	N=000=
15.00	18.00	3.00	3.13	104.33	2.28	76.00	N=000=
18.00	21.00	3.00	2.97	99.00	2.89	96.33	N=000=
21.00	24.00	3.00	2.99	99.67	2.30	76.67	N=001<M
24.00	27.00	3.00	3.07	102.33	2.97	99.00	<111<
27.00	30.00	3.00	2.96	98.67	2.59	86.33	M>11>
30.00	33.00	3.00	3.05	101.67	2.63	87.67	N=000=
33.00	36.00	3.00	2.97	99.00	1.76	58.67	N=001<
36.00	39.00	3.00	3.03	101.00	2.78	92.67	0<111<
39.00	42.00	3.00	3.00	100.00	2.41	80.33	0<111<
42.00	45.00	3.00	2.95	98.33	2.76	92.00	0<111<
45.00	48.00	3.00	3.05	101.67	2.62	87.33	M>111>
48.00	51.00	3.00	2.94	98.00	2.44	81.33	M>11.1<
51.00	54.00	3.00	2.99	99.67	2.88	96.00	M>100<
54.00	57.00	3.00	3.10	103.33	2.00	66.67	M>110=
57.00	60.00	3.00	3.03	101.00	2.69	89.67	N=000=
60.00	63.00	3.00	2.98	99.33	2.77	92.33	N=000=
63.00	66.00	3.00	2.76	92.00	1.63	54.33	N=000=
66.00	69.00	3.00	3.34	111.33	2.38	79.33	N=000=
69.00	72.00	3.00	2.68	89.33	1.80	60.00	N=000=
72.00	75.00	3.00	3.20	106.67	1.88	62.67	N=000=
75.00	78.00	3.00	3.01	100.33	1.66	55.33	N=001<

Point Structure

At	Structure	Alpha	Beta	Core Azi	Core Dip	Calculated Dip	Calculated Strike	Apparent Dip	Dip Direction	Gamma	Joint Fill 1	Fill Material 1	Joint Fill 2	Fill Material 2	Comments
27.75	Foliation	65	30	180.00	-45.00	-67.54	283.22	0	13.22						Follation of the biotite alteration
36.80	Foliation	58	20	180.00	-45.00	-75.67	280.78	0	10.78						Foliation of the biotite alteration
41.00	Foliation	65	20	180.00	-45.00	-68.90	278.91	0	8.91						Foliation of the biotite alteration

Hole Number: QK-17-029 **Units:** METRIC **Resp. Person:** Robert Cloutier, Géo



Point Structure

At	Structure	Alpha	Beta	Core Azi	Core Dip	Calculated Dip	Calculated Strike	Apparent Dip	Dip Direction	Gamma	Joint Fill 1	Fill Material 1	Joint Fill 2	Fill Material 2	Comments
55.00	Foliation	55	20	180.00	-45.00	-78.57	281.55	0	11.55						Foliation of the biotite alteration
77.80	Foliation	65	350	180.00	-45.00	-69.72	265.51	0	355.51						Foliation of the biotite alteration

TECHNI-LAB
pyroanalyse
géochimie
environnement

Client : Madame Michelle Sciortino
True North Nickel
375, bay street, suite 800
Toronto (On) M5H 2T7

Date d'émission: 4 août 2017
Date de réception: 28 juil. 2017
Date d'analyses: 2 août 2017
Projet: Qiqavik
Commande 17-QK-Rush-01
Certificat: 38992

CERTIFICAT D'ANALYSE

17 échantillons de carottes ont été reçus pour analyses.

Notes :

Ce certificat remplace et annule tous certificats antérieurs, le cas échéant.

® Ce document est pour l'usage exclusif du client et ne peut être reproduit, sinon en entier, sans l'autorisation écrite de Techni-Lab S. G. B. Abitibi inc. Si vous avez reçu ce certificat par erreur, soyez avisé que tout usage, reproduction ou distribution de celui-ci est strictement interdit. Les échantillons seront conservés pendant 30 jours à partir de la date du certificat à moins d'avis écrit du client.

® Les résultats d'essai ne se rapportent qu'aux objets soumis à l'essai tels qu'ils ont été reçus par le laboratoire.

SCC Accredited LAB
LAB Accrédité CCN
LAB 707

Les résultats des échantillons sont vérifiés et approuvés par :

Vanessa Perreault

Vanessa PERREAULT, chimiste 2015-121

CHIMISTE
Vanessa Perreault
2015-121
QUÉBEC

CERTIFICAT D'ANALYSE

TECHNI-LAB
pyroanalyse
géochimie
environnement

À l'attention de Madame Michelle Sciortino

Client True North Nickel
375, bay street, suite 800
Toronto (On) M5H 2T7

Tél.: 416-363-0649

Date d'émission: 4 août 2017
Date de réception : 28 juil. 2017
Date d'analyses : 2 août 2017
Projet : Qiqavik
Certificat: 38992

Échantillon #	Au g/t	Au g/t >10.0 g/t Gravimétrie
Méthode utilisée:	*TMT-G5B*	*TMT-G5C*
66262	0.14	
66263	3.40	
66279	4.85	
66281	1.57	
66780	32.03	31.33
67201	0.21	
410998	9.19	
66524	0.60	
66818	0.05	
402285	2.26	
402288	0.03	
402302	0.87	
402338	0.30	
402347	0.08	
402352	1.01	
410999	<0.01	
411000	1.10	
66780-Dup	31.40	32.74
OXN 117	7.40	
OXN 117	7.36	
SF 85	0.80	
SF 85	0.81	
OXK 119		3.40
OXP 116		15.05
OXQ 90		24.99

184, Principale - C.P. 208, Ste-Germaine-Boulé (Québec) J0Z 1M0 **Téléphone : 819 787-6116 • Télécopieur : 819 787-6527** Courriel : infoquebec@actlabs.com

CERTIFICAT D'ANALYSE - ANNEXE 1

TECHNI-LAB
pyroanalyse
géochimie
environnement

À l'attention de Madame Michelle Sciortino

Client: True North Nickel
375, bay street, suite 800
Toronto (On) M5H 2T7

416-363-0649

Date d'émission: 4 août 2017
Date de réception: 28 juil. 2017
Date d'analyse: 2 août 2017
Projet: Qiqavik
Certificat: 38992

MÉTHODE ACCRÉDITÉE

TMT-G5B	Or analysé par spectrométrie d'absorption atomique précédé d'une pyroanalyse
TMT-G5C	Or finition par gravimétrie précédé d'une pyroanalyse
TMT-G5F	Analyse multiélément par ICP-OES avec digestion d'Aqua Regia
TMT-G5I	Or, Palladium et Platine analysés par ICP-OES précédés d'une pyroanalyse

MÉTHODE NON ACCRÉDITÉE

TMT-G5G	Argent par Gravimétrie
TMT-G2	Densité
TMT-G5Z	Titration du Zinc pour concentré

MÉTHODE ACCRÉDITÉE PAR LE CCN

Méthode	*Paramètre*	*Limite de détection*	*Méthode*	*Paramètre*	*Limite de détection*
TMT-G5B	Au ppb (5 ml)	8	TMT-G5F	Ag ppm	0.3
TMT-G5B	Au g/t (10 ml)	0.01	TMT-G5F	Co ppm	2
TMT-G5C	Au gravimétrie g/t	0.08	TMT-G5F	Cu ppm	1
TMT-G5I	Au ppb	2	TMT-G5F	Ni ppm	2
TMT-G5I	Pd ppb	4	TMT-G5F	Pb ppm	3
TMT-G5I	Pt ppb	4	TMT-G5F	Zn ppm	1

Ce rapport est pour l'usage exclusif du client et ne peut être reproduit, sinon en entier, sans l'autorisation écrite de Techni-Lab S.G.B. Abitibi inc.

SCC Accredited LAB
LAB Accrédité CCN
LAB 707

184, Principale - C.P. 208, Ste-Germaine-Boulé (Québec) J0Z 1M0 **Téléphone : 819 787-6116 • Télécopieur : 819 787-6527** Courriel : infoquebec@actlabs.com

TECHNI-LAB
pyroanalyse
géochimie
environnement

Client : Madame Michelle Sciortino
True North Nickel
375, bay street, suite 800
Toronto (On) M5H 2T7

Date d'émission: 23 août 2017
Date de réception: 28 juil. 2017
Date d'analyses: 10 août 2017
Projet: Qiqavik
Commande 17-QK-Core-01
Certificat: 38993

CERTIFICAT D'ANALYSE

154 échantillons de carottes ont été reçus pour analyses.

Notes :

Ce certificat remplace et annule tous certificats antérieurs, le cas échéant.

® Ce document est pour l'usage exclusif du client et ne peut être reproduit, sinon en entier, sans l'autorisation écrite de Techni-Lab S. G. B. Abitibi inc. Si vous avez reçu ce certificat par erreur, soyez avisé que tout usage, reproduction ou distribution de celui-ci est strictement interdit. Les échantillons seront conservés pendant 30 jours à partir de la date du certificat à moins d'avis écrit du client.

® Les résultats d'essai ne se rapportent qu'aux objets soumis à l'essai tels qu'ils ont été reçus par le laboratoire.

SCC Accredited LAB
LAB Accrédité CCN
LAB 707

Les résultats des échantillons sont vérifiés et approuvés par :

Vanessa Perreault

Vanessa PERREAULT, chimiste 2015-121

CHIMISTE
Vanessa Perreault
2015-121
QUÉBEC

CERTIFICAT D'ANALYSE

TECHNI-LAB
pyroanalyse
géochimie
environnement

À l'attention de Madame Michelle Sciortino

Client True North Nickel
375, bay street, suite 800
Toronto (On) M5H 2T7

Tél.: 416-363-1649 #233

Date d'émission: 23 août 2017
Date de réception : 28 juil. 2017
Date d'analyses : 10 août 2017
Projet : Qiqavik
Commande 17-QK-Core-01
Certificat : 38993

Échantillon #	Au g/t AA	Au g/t >10.0 g/t Gravimétrie
Méthode utilisée:	*TMT-G5B*	*TMT-G5C*
402291	0.04	
402292	0.02	
402293	0.11	
402294	0.18	
402295	0.01	
402296	0.15	
402297	0.09	
402298	0.19	
402299	0.20	
402300	<0.01	
402301	0.05	
402303	0.29	
402304	4.93	
402305	0.50	
402306	0.35	
402307	0.50	
402308	0.07	
402339	0.30	
402340	0.19	
402341	0.17	
402342	0.07	
402343	0.88	
402344	0.07	
402345	0.06	
402346	0.06	
402348	0.59	
402349	0.05	
402350	9.76	
402309	1.60	
402310	0.14	
402311	0.11	
402312	0.21	
402313	0.11	
402314	0.26	

184, Principale - C.P. 208, Ste-Germaine-Boulé (Québec) J0Z 1M0 **Téléphone : 819 787-6116 • Télécopieur : 819 787-6527** Courriel : infoquebec@actlabs.com

CERTIFICAT D'ANALYSE

TECHNI-LAB
pyroanalyse
géochimie
environnement

À l'attention de Madame Michelle Sciortino

Client True North Nickel
375, bay street, suite 800
Toronto (On) M5H 2T7

Tél.: 416-363-1649 #233

Date d'émission: 23 août 2017
Date de réception : 28 juil. 2017
Date d'analyses : 10 août 2017
Projet : Qiqavik
Commande 17-QK-Core-01
Certificat : 38993

Échantillon #	Au g/t AA	Au g/t >10.0 g/t Gravimétrie
Méthode utilisée:	*TMT-G5B*	*TMT-G5C*
402315	0.25	
402316	0.22	
402317	0.33	
402318	0.32	
402319	0.35	
402320	0.40	
402321	0.17	
402322	0.65	
402323	0.14	
402324	0.95	
402325	0.27	
402326	0.09	
402327	0.03	
402328	0.27	
402329	0.08	
402330	<0.01	
402331	0.05	
402332	0.09	
402333	0.05	
402334	0.09	
402335	0.07	
402336	0.43	
402337	0.62	
402351	0.08	
402353	0.16	
402354	0.15	
402355	0.15	
402356	0.12	
402357	0.83	
402358	0.13	
402359	0.04	
402360	<0.01	
402361	0.20	
402362	0.07	

184, Principale - C.P. 208, Ste-Germaine-Boulé (Québec) J0Z 1M0 **Téléphone : 819 787-6116 • Télécopieur : 819 787-6527** Courriel : infoquebec@actlabs.com

CERTIFICAT D'ANALYSE

TECHNI-LAB
pyroanalyse
géochimie
environnement

À l'attention de Madame Michelle Sciortino

Client True North Nickel
375, bay street, suite 800
Toronto (On) M5H 2T7

Tél.: 416-363-1649 #233

Date d'émission: 23 août 2017
Date de réception : 28 juil. 2017
Date d'analyses : 10 août 2017
Projet : Qiqavik
Commande 17-QK-Core-01
Certificat : 38993

Échantillon #	Au g/t AA	Au g/t >10.0 g/t Gravimétrie
Méthode utilisée:	*TMT-G5B*	*TMT-G5C*
402363	0.04	
402364	0.26	
402365	0.14	
402366	0.10	
402367	0.09	
402368	0.06	
402369	0.35	
402370	0.10	
402371	0.07	
402372	0.03	
402373	0.01	
402374	0.17	
402375	0.06	
402376	0.24	
402377	0.08	
402378	0.02	
402379	0.04	
402380	1.22	
402381	0.19	
402382	0.04	
402383	0.04	
402384	0.09	
402385	0.37	
402386	0.11	
402387	0.56	
402388	0.02	
402389	0.05	
402390	0.01	
402391	0.09	
402392	0.06	
402393	0.13	
402394	0.10	
402395	0.08	
402396	0.05	

184, Principale - C.P. 208, Ste-Germaine-Boulé (Québec) J0Z 1M0 **Téléphone : 819 787-6116 • Télécopieur : 819 787-6527** Courriel : infoquebec@actlabs.com

CERTIFICAT D'ANALYSE

TECHNI-LAB
pyroanalyse
géochimie
environnement

À l'attention de Madame Michelle Sciortino

Client True North Nickel
375, bay street, suite 800
Toronto (On) M5H 2T7

Tél.: 416-363-1649 #233

Date d'émission: 23 août 2017
Date de réception : 28 juil. 2017
Date d'analyses : 10 août 2017
Projet : Qiqavik
Commande 17-QK-Core-01
Certificat : 38993

Échantillon #	Au g/t AA	Au g/t >10.0 g/t Gravimétrie
Méthode utilisée:	*TMT-G5B*	*TMT-G5C*
402397	0.02	
402398	0.02	
402399	0.02	
402400	0.01	
402401	0.19	
402413	<0.01	
402414	<0.01	
402415	<0.01	
402416	<0.01	
402417	0.02	
402418	0.01	
402419	<0.01	
402420	1.19	
402421	0.02	
402422	0.14	
402423	0.17	
402424	0.48	
402425	0.18	
402426	8.83	
402427	0.60	
402428	0.96	
402429	0.03	
410997	1.01	
402430	0.03	
402431	0.08	
402432	0.84	
402433	0.11	
402434	<0.01	
402435	0.15	
402436	<0.01	
402437	0.01	
402438	<0.01	
402439	<0.01	
402440	<0.01	

184, Principale - C.P. 208, Ste-Germaine-Boulé (Québec) J0Z 1M0 **Téléphone : 819 787-6116 • Télécopieur : 819 787-6527** Courriel : infoquebec@actlabs.com

CERTIFICAT D'ANALYSE

TECHNI-LAB
pyroanalyse
géochimie
environnement

À l'attention de Madame Michelle Sciortino

Client True North Nickel
375, bay street, suite 800
Toronto (On) M5H 2T7

Tél.: 416-363-1649 #233

Date d'émission: 23 août 2017
Date de réception : 28 juil. 2017
Date d'analyses : 10 août 2017
Projet : Qiqavik
Commande 17-QK-Core-01
Certificat : 38993

Échantillon #	Au g/t AA	Au g/t >10.0 g/t Gravimétrie
Méthode utilisée:	*TMT-G5B*	*TMT-G5C*
402441	<0.01	
402442	0.07	
402443	0.01	
402444	<0.01	
402445	0.02	
402446	<0.01	
402447	<0.01	
402448	<0.01	
402449	<0.01	
402450	2.63	
402451	<0.01	
402452	<0.01	
402453	<0.01	
402454	<0.01	
402455	<0.01	
402456	<0.01	
402457	0.01	
402458	<0.01	
402297-Dup	0.09	
402326-Dup	0.09	
402349-Dup	0.07	
402361-Dup	0.19	
402382-Dup	0.04	
402390-Dup	<0.01	
402414-Dup	<0.01	
402434-Dup	<0.01	
402449-Dup	<0.01	
OXN 117	7.81	
OXN 117	7.94	
OXN 117	7.98	
OXN 117	8.10	
OXN 117	7.52	
OXN 117	7.81	

184, Principale - C.P. 208, Ste-Germaine-Boulé (Québec) J0Z 1M0 **Téléphone : 819 787-6116 • Télécopieur : 819 787-6527** Courriel : infoquebec@actlabs.com

CERTIFICAT D'ANALYSE

TECHNI-LAB
pyroanalyse
géochimie
environnement

À l'attention de Madame Michelle Sciortino

Client True North Nickel
375, bay street, suite 800
Toronto (On) M5H 2T7

Tél.: 416-363-1649 #233

Date d'émission: 23 août 2017
Date de réception : 28 juil. 2017
Date d'analyses : 10 août 2017
Projet : Qiqavik
Commande 17-QK-Core-01
Certificat : 38993

Échantillon #	Au g/t AA	Au g/t >10.0 g/t Gravimétrie
Méthode utilisée:	*TMT-G5B*	*TMT-G5C*
OXN 117	8.14	
OXN 117	7.72	
OXN 117	7.97	
OXN 117	7.77	
SF 85	0.83	
SF 85	0.90	
SF 85	0.90	
SF 85	0.87	
SF 85	0.86	
SF 85	0.87	
SF 85	0.88	
SF 85	0.86	
SF 85	0.87	
SF 85	0.86	

184, Principale - C.P. 208, Ste-Germaine-Boulé (Québec) J0Z 1M0 **Téléphone : 819 787-6116 • Télécopieur : 819 787-6527** Courriel : infoquebec@actlabs.com

CERTIFICAT D'ANALYSE - ANNEXE 1

TECHNI-LAB
pyroanalyse
géochimie
environnement

À l'attention de Madame Michelle Sciortino

Client: True North Nickel
375, bay street, suite 800
Toronto (On) M5H 2T7

416-363-1649 #233

Date d'émission: 23 août 2017
Date de réception: 28 juil. 2017
Date d'analyse: 10 août 2017
Projet: Qiqavik
Commande 17-QK-Core-01
Certificat: 38993

MÉTHODE ACCRÉDITÉE

TMT-G5B	Or analysé par spectrométrie d'absorption atomique précédé d'une pyroanalyse
TMT-G5C	Or finition par gravimétrie précédé d'une pyroanalyse
TMT-G5F	Analyse multiélément par ICP-OES avec digestion d'Aqua Regia
TMT-G5I	Or, Palladium et Platine analysés par ICP-OES précédés d'une pyroanalyse

MÉTHODE NON ACCRÉDITÉE

TMT-G5G	Argent par Gravimétrie
TMT-G2	Densité
TMT-G5Z	Titration du Zinc pour concentré

MÉTHODE ACCRÉDITÉE PAR LE CCN

Méthode	*Paramètre*	*Limite de détection*	*Méthode*	*Paramètre*	*Limite de détection*
TMT-G5B	Au ppb (5 ml)	8	TMT-G5F	Ag ppm	0.3
TMT-G5B	Au g/t (10 ml)	0.01	TMT-G5F	Co ppm	2
TMT-G5C	Au gravimétrie g/t	0.08	TMT-G5F	Cu ppm	1
TMT-G5I	Au ppb	2	TMT-G5F	Ni ppm	2
TMT-G5I	Pd ppb	4	TMT-G5F	Pb ppm	3
TMT-G5I	Pt ppb	4	TMT-G5F	Zn ppm	1

Ce rapport est pour l'usage exclusif du client et ne peut être reproduit, sinon en entier, sans l'autorisation écrite de Techni-Lab S.G.B. Abitibi inc.

SCC Accredited LAB
LAB Accrédité CCN
LAB 767

184, Principale - C.P. 208, Ste-Germaine-Boulé (Québec) J0Z 1M0 **Téléphone : 819 787-6116 • Télécopieur : 819 787-6527** Courriel : infoquebec@actlabs.com

TECHNI-LAB
pyroanalyse
géochimie
environnement

Client : Madame Michelle Sciortino
True North Nickel
375, bay street, suite 800
Toronto (On) M5H 2T7

Date d'émission: 28 août 2017
Date de réception: 4 août 2017
Date d'analyses: 21 août 2017
Projet: Qiqavik
Commande 17-QK-Core-02
Certificat: 39046

CERTIFICAT D'ANALYSE

194 échantillons de carottes ont été reçus pour analyses.

Notes :

Ce certificat remplace et annule tous certificats antérieurs, le cas échéant.

® Ce document est pour l'usage exclusif du client et ne peut être reproduit, sinon en entier, sans l'autorisation écrite de Techni-Lab S. G. B. Abitibi inc. Si vous avez reçu ce certificat par erreur, soyez avisé que tout usage, reproduction ou distribution de celui-ci est strictement interdit. Les échantillons seront conservés pendant 30 jours à partir de la date du certificat à moins d'avis écrit du client.

® Les résultats d'essai ne se rapportent qu'aux objets soumis à l'essai tels qu'ils ont été reçus par le laboratoire.

SCC Accredited LAB
LAB Accrédité CCN
LAB 707

Les résultats des échantillons sont vérifiés et approuvés par :

Vanessa Perreault

Vanessa PERREAULT, Chimiste 2015-121

CHIMISTE
Vanessa Perreault
2015-121
QUÉBEC

CERTIFICAT D'ANALYSE

TECHNI-LAB
pyroanalyse
géochimie
environnement

À l'attention de Madame Michelle Sciortino

Client True North Nickel
375, bay street, suite 800
Toronto (On) M5H 2T7

Tél.: 416-363-1649 #233

Date d'émission: 28 août 2017
Date de réception : 4 août 2017
Date d'analyses : 21 août 2017
Projet : Qiqavik
Commande 17-QK-Core-02
Certificat : 39046

Échantillon #	Au g/t AA	Au g/t >10.0 g/t Gravimétrie
Méthode utilisée:	*TMT-G5B*	*TMT-G5C*
402251	0.07	
402252	0.03	
402253	<0.01	
402254	0.02	
402255	0.01	
402256	0.01	
402257	0.05	
402258	0.02	
402259	0.01	
402260	1.13	
402261	0.03	
402262	0.03	
402263	<0.01	
402264	<0.01	
402265	0.01	
402266	<0.01	
402267	0.01	
402268	0.25	
402269	0.04	
402270	<0.01	
402271	0.34	
402272	0.01	
402273	0.04	
402274	0.05	
402275	0.02	
402276	0.14	
402277	0.04	
402278	0.25	
402279	0.04	
402280	0.10	
402281	0.01	
402282	0.02	
402283	0.11	

184, Principale - C.P. 208, Ste-Germaine-Boulé (Québec) J0Z 1M0 **Téléphone : 819 787-6116 • Télécopieur : 819 787-6527** Courriel : infoquebec@actlabs.com

CERTIFICAT D'ANALYSE

TECHNI-LAB
pyroanalyse
géochimie
environnement

À l'attention de Madame Michelle Sciortino

Client True North Nickel
375, bay street, suite 800
Toronto (On) M5H 2T7

Tél.: 416-363-1649 #233

Date d'émission: 28 août 2017
Date de réception : 4 août 2017
Date d'analyses : 21 août 2017
Projet : Qiqavik
Commande 17-QK-Core-02
Certificat : 39046

Échantillon #	Au g/t AA	Au g/t >10.0 g/t Gravimétrie
Méthode utilisée:	*TMT-G5B*	*TMT-G5C*
402284	0.84	
402286	0.01	
402287	0.21	
402289	0.01	
402290	2.56	
402402	0.01	
402403	<0.01	
402404	<0.01	
402405	0.02	
402406	0.01	
402407	0.03	
402408	<0.01	
402409	<0.01	
402410	0.40	
402411	<0.01	
402412	0.01	
402459	<0.01	
402460	<0.01	
402461	<0.01	
402462	<0.01	
402463	<0.01	
402464	<0.01	
402465	<0.01	
402466	<0.01	
402467	<0.01	
402468	<0.01	
402469	<0.01	
402470	<0.01	
402471	<0.01	
402472	<0.01	
402473	0.01	
402474	<0.01	
402475	<0.01	
402476	<0.01	

CERTIFICAT D'ANALYSE

TECHNI-LAB
pyroanalyse
géochimie
environnement

À l'attention de Madame Michelle Sciortino

Client True North Nickel
375, bay street, suite 800
Toronto (On) M5H 2T7

Tél.: 416-363-1649 #233

Date d'émission: 28 août 2017
Date de réception : 4 août 2017
Date d'analyses : 21 août 2017
Projet : Qiqavik
Commande 17-QK-Core-02
Certificat : 39046

Échantillon #	Au g/t AA	Au g/t >10.0 g/t Gravimétrie
Méthode utilisée:	*TMT-G5B*	*TMT-G5C*
402477	0.01	
402478	<0.01	
402479	0.06	
402480	0.07	
402481	0.01	
402482	0.06	
402483	<0.01	
402484	<0.01	
402485	<0.01	
402486	<0.01	
402487	<0.01	
402488	<0.01	
402489	<0.01	
402490	1.09	
402491	0.04	
402492	1.85	
402493	0.07	
402494	0.05	
402495	2.17	
402496	<0.01	
402497	<0.01	
409527	0.03	
402498	<0.01	
402499	0.02	
402500	<0.01	
409501	<0.01	
409502	<0.01	
409503	<0.01	
409504	<0.01	
409505	<0.01	
409506	<0.01	
409507	<0.01	
409508	<0.01	

184, Principale - C.P. 208, Ste-Germaine-Boulé (Québec) J0Z 1M0 **Téléphone : 819 787-6116 • Télécopieur : 819 787-6527** Courriel : infoquebec@actlabs.com

CERTIFICAT D'ANALYSE

TECHNI-LAB
pyroanalyse
géochimie
environnement

À l'attention de Madame Michelle Sciortino

Client True North Nickel
375, bay street, suite 800
Toronto (On) M5H 2T7

Tél.: 416-363-1649 #233

Date d'émission: 28 août 2017
Date de réception : 4 août 2017
Date d'analyses : 21 août 2017
Projet : Qiqavik
Commande 17-QK-Core-02
Certificat : 39046

Échantillon #	Au g/t AA	Au g/t >10.0 g/t Gravimétrie
Méthode utilisée:	*TMT-G5B*	*TMT-G5C*
409509	<0.01	
409510	<0.01	
409511	<0.01	
409512	<0.01	
409513	<0.01	
409514	<0.01	
409515	<0.01	
409516	<0.01	
409517	<0.01	
409518	<0.01	
409519	<0.01	
409520	0.38	
409521	<0.01	
409522	<0.01	
409523	<0.01	
409524	<0.01	
409525	<0.01	
409526	<0.01	
409528	0.16	
409529	14.29	13.68
409530	9.21	
409531	0.50	
409532	1.77	
409533	7.08	
409534	0.31	
409535	0.18	
409536	0.31	
409537	0.03	
409538	4.18	
409539	<0.01	
409540	<0.01	
409541	<0.01	
409542	<0.01	

184, Principale - C.P. 208, Ste-Germaine-Boulé (Québec) J0Z 1M0 **Téléphone : 819 787-6116 • Télécopieur : 819 787-6527** Courriel : infoquebec@actlabs.com

CERTIFICAT D'ANALYSE

TECHNI-LAB
pyroanalyse
géochimie
environnement

À l'attention de Madame Michelle Sciortino

Client True North Nickel
375, bay street, suite 800
Toronto (On) M5H 2T7

Tél.: 416-363-1649 #233

Date d'émission: 28 août 2017
Date de réception : 4 août 2017
Date d'analyses : 21 août 2017
Projet : Qiqavik
Commande 17-QK-Core-02
Certificat : 39046

Échantillon #	Au g/t AA	Au g/t >10.0 g/t Gravimétrie
Méthode utilisée:	*TMT-G5B*	*TMT-G5C*
409543	<0.01	
409544	<0.01	
409545	<0.01	
409546	<0.01	
409547	<0.01	
409548	<0.01	
409549	<0.01	
409550	0.38	
409551	<0.01	
409552	<0.01	
409553	<0.01	
409554	<0.01	
409555	0.01	
409556	0.16	
409557	0.03	
409558	0.01	
409559	0.03	
409560	0.24	
409561	0.16	
409562	<0.01	
409563	<0.01	
409564	<0.01	
409565	0.02	
409566	<0.01	
409567	<0.01	
409568	0.14	
409569	0.03	
409570	<0.01	
409571	0.39	
409572	0.68	
409573	0.06	
409574	3.35	
409575	0.25	

184, Principale - C.P. 208, Ste-Germaine-Boulé (Québec) J0Z 1M0 **Téléphone : 819 787-6116 • Télécopieur : 819 787-6527** Courriel : infoquebec@actlabs.com

CERTIFICAT D'ANALYSE

TECHNI-LAB
pyroanalyse
géochimie
environnement

À l'attention de Madame Michelle Sciortino

Client True North Nickel
375, bay street, suite 800
Toronto (On) M5H 2T7

Tél.: 416-363-1649 #233

Date d'émission: 28 août 2017
Date de réception : 4 août 2017
Date d'analyses : 21 août 2017
Projet : Qiqavik
Commande 17-QK-Core-02
Certificat : 39046

Échantillon #	Au g/t AA	Au g/t >10.0 g/t Gravimétrie
Méthode utilisée:	*TMT-G5B*	*TMT-G5C*
409576	0.34	
409577	0.07	
409578	0.03	
409579	0.35	
409580	1.13	
409581	0.02	
409582	0.15	
409583	0.25	
409584	0.01	
409585	0.01	
409586	<0.01	
409587	<0.01	
409588	<0.01	
409589	<0.01	
409590	<0.01	
409591	0.29	
409592	0.12	
409593	0.01	
409594	<0.01	
409595	0.07	
409596	0.17	
409597	0.02	
409598	<0.01	
409599	0.01	
409600	0.39	
409601	0.01	
409602	<0.01	
409603	0.02	
402263-Dup	<0.01	
402276-Dup	0.14	
402411-Dup	<0.01	
402480-Dup	0.08	

184, Principale - C.P. 208, Ste-Germaine-Boulé (Québec) J0Z 1M0 **Téléphone : 819 787-6116 • Télécopieur : 819 787-6527** Courriel : infoquebec@actlabs.com

CERTIFICAT D'ANALYSE

TECHNI-LAB
pyroanalyse
géochimie
environnement

À l'attention de Madame Michelle Sciortino

Client True North Nickel
375, bay street, suite 800
Toronto (On) M5H 2T7

Tél.: 416-363-1649 #233

Date d'émission: 28 août 2017
Date de réception : 4 août 2017
Date d'analyses : 21 août 2017
Projet : Qiqavik
Commande 17-QK-Core-02
Certificat : 39046

Échantillon #	Au g/t AA	Au g/t >10.0 g/t Gravimétrie
Méthode utilisée:	*TMT-G5B*	*TMT-G5C*
409501-Dup	<0.01	
409516-Dup	<0.01	
409537-Dup	0.04	
409559-Dup	0.03	
409581-Dup	0.03	
409602-Dup	<0.01	
OXN 117	7.74	
OXN 117	7.73	
OXN 117	7.51	
OXN 117	7.11	
OXN 117	7.53	
OXN 117	7.32	
OXN 117	7.33	
OXN 117	7.85	
OXN 117	7.66	
OXN 117	7.40	
OXN 117	7.93	
OXN 117	7.68	
SF 85	0.81	
SF 85	0.86	
SF 85	0.86	
SF 85	0.88	
SF 85	0.83	
SF 85	0.85	
SF 85	0.82	
SF 85	0.84	
SF 85	0.86	
SF 85	0.83	
SF 85	0.87	
SF 85	0.89	
OXK 119		3.60
OXP 116		15.42
OXQ 90		24.67

184, Principale - C.P. 208, Ste-Germaine-Boulé (Québec) J0Z 1M0 **Téléphone : 819 787-6116 • Télécopieur : 819 787-6527** Courriel : infoquebec@actlabs.com

CERTIFICAT D'ANALYSE - ANNEXE 1

TECHNI-LAB
pyroanalyse
géochimie
environnement

À l'attention de Madame Michelle Sciortino

Client: True North Nickel
375, bay street, suite 800
Toronto (On) M5H 2T7

416-363-1649 #233

Date d'émission: 28 août 2017
Date de réception: 4 août 2017
Date d'analyse: 21 août 2017
Projet: Qiqavik
Commande 17-QK-Core-02
Certificat: 39046

MÉTHODE ACCRÉDITÉE

TMT-G5B	Or analysé par spectrométrie d'absorption atomique précédé d'une pyroanalyse
TMT-G5C	Or finition par gravimétrie précédé d'une pyroanalyse
TMT-G5F	Analyse multiélément par ICP-OES avec digestion d'Aqua Regia
TMT-G5I	Or, Palladium et Platine analysés par ICP-OES précédés d'une pyroanalyse

MÉTHODE NON ACCRÉDITÉE

TMT-G5G	Argent par Gravimétrie
TMT-G2	Densité
TMT-G5Z	Titration du Zinc pour concentré

MÉTHODE ACCRÉDITÉE PAR LE CCN

Méthode	*Paramètre*	*Limite de détection*	*Méthode*	*Paramètre*	*Limite de détection*
TMT-G5B	Au ppb (5 ml)	8	TMT-G5F	Ag ppm	0.3
TMT-G5B	Au g/t (10 ml)	0.01	TMT-G5F	Co ppm	2
TMT-G5C	Au gravimétrie g/t	0.08	TMT-G5F	Cu ppm	1
TMT-G5I	Au ppb	2	TMT-G5F	Ni ppm	2
TMT-G5I	Pd ppb	4	TMT-G5F	Pb ppm	3
TMT-G5I	Pt ppb	4	TMT-G5F	Zn ppm	1

Ce rapport est pour l'usage exclusif du client et ne peut être reproduit, sinon en entier, sans l'autorisation écrite de Techni-Lab S.G.B. Abitibi inc.

SCC Accredited LAB
LAB Accrédité CCN
LAB 707

184, Principale - C.P. 208, Ste-Germaine-Boulé (Québec) J0Z 1M0 **Téléphone : 819 787-6116 • Télécopieur : 819 787-6527** Courriel : infoquebec@actlabs.com

TECHNI-LAB
pyroanalyse
géochimie
environnement

Client : Madame Michelle Sciortino
True North Nickel
375, bay street, suite 800
Toronto (On) M5H 2T7

Date d'émission: 24 août 2017
Date de réception: 4 août 2017
Date d'analyses: 22 août 2017
Projet: Qiqavik
Certificat: 39047

CERTIFICAT D'ANALYSE

62 échantillons de carottes ont été reçus pour analyses.

Notes :

Ce certificat remplace et annule tous certificats antérieurs, le cas échéant.

® Ce document est pour l'usage exclusif du client et ne peut être reproduit, sinon en entier, sans l'autorisation écrite de Techni-Lab S. G. B. Abitibi inc. Si vous avez reçu ce certificat par erreur, soyez avisé que tout usage, reproduction ou distribution de celui-ci est strictement interdit. Les échantillons seront conservés pendant 30 jours à partir de la date du certificat à moins d'avis écrit du client.

® Les résultats d'essai ne se rapportent qu'aux objets soumis à l'essai tels qu'ils ont été reçus par le laboratoire.

SCC Accredited LAB
LAB Accrédité CCN
LAB 707

Les résultats des échantillons sont vérifiés et approuvés par :

Vanessa Perreault

Vanessa PERREAULT, chimiste 2015-121

CHIMISTE
Vanessa Perreault
2015-121
QUÉBEC

CERTIFICAT D'ANALYSE

TECHNI-LAB
pyroanalyse
géochimie
environnement

À l'attention de Madame Michelle Sciortino

Client True North Nickel
375, bay street, suite 800
Toronto (On) M5H 2T7

Tél.: 416-363-0649 #233

Date d'émission: 24 août 2017
Date de réception : 4 août 2017
Date d'analyses : 22 août 2017
Projet : Qiqavik
Certificat : 39047

Échantillon #	Au g/t AA	Au g/t >10.0 g/t Gravimétrie
Méthode utilisée:	*TMT-G5B*	*TMT-G5C*
410901	0.05	
410902	0.51	
410903	0.07	
410904	0.18	
410905	0.05	
410906	0.10	
410907	0.09	
410908	0.19	
410909	0.02	
410910	<0.01	
410911	0.04	
410912	0.08	
410913	0.07	
410914	0.05	
410915	0.08	
410916	0.14	
410917	0.16	
410918	0.36	
410919	0.08	
410920	1.11	
410921	0.10	
410922	0.02	
410923	0.03	
410924	0.03	
410925	0.10	
410926	0.08	
410927	0.27	
410928	0.23	
410929	0.43	
410930	0.05	
410931	0.22	
410932	0.12	
410933	0.02	

184, Principale - C.P. 208, Ste-Germaine-Boulé (Québec) J0Z 1M0 **Téléphone : 819 787-6116 • Télécopieur : 819 787-6527** Courriel : infoquebec@actlabs.com

TECHNI-LAB
pyroanalyse
géochimie
environnement

CERTIFICAT D'ANALYSE

À l'attention de Madame Michelle Sciortino

Client True North Nickel
375, bay street, suite 800
Toronto (On) M5H 2T7

Tél.: 416-363-0649 #233

Date d'émission: 24 août 2017
Date de réception : 4 août 2017
Date d'analyses : 22 août 2017
Projet : Qiqavik
Certificat : 39047

Échantillon #	Au g/t AA	Au g/t >10.0 g/t Gravimétrie
Méthode utilisée:	*TMT-G5B*	*TMT-G5C*
410934	0.17	
410935	0.06	
410936	0.01	
410937	0.02	
410938	0.07	
410939	0.19	
410940	<0.01	
410941	0.44	
410942	0.01	
410943	0.07	
410944	0.05	
410945	0.15	
410946	0.09	
410947	0.03	
410948	0.06	
410949	0.04	
410950	2.40	
410951	0.04	
410952	0.05	
410953	0.03	
410954	0.04	
410955	<0.01	
410956	0.01	
410957	<0.01	
410958	0.10	
410959	0.01	
410960	<0.01	
410961	0.64	
410962	0.03	
410907-Dup	0.08	
410928-Dup	0.21	
410951-Dup	0.04	

184, Principale - C.P. 208, Ste-Germaine-Boulé (Québec) J0Z 1M0 **Téléphone : 819 787-6116 • Télécopieur : 819 787-6527** Courriel : infoquebec@actlabs.com

TECHNI-LAB
pyroanalyse
géochimie
environnement

CERTIFICAT D'ANALYSE

À l'attention de Madame Michelle Sciortino

Client True North Nickel
375, bay street, suite 800
Toronto (On) M5H 2T7

Tél.: 416-363-0649 #233

Date d'émission: 24 août 2017
Date de réception : 4 août 2017
Date d'analyses : 22 août 2017
Projet : Qiqavik
Certificat : 39047

Échantillon #	Au g/t AA	Au g/t >10.0 g/t Gravimétrie
Méthode utilisée:	*TMT-G5B*	*TMT-G5C*
OXN 117	7.83	
OXN 117	7.60	
OXN 117	7.61	
OXN 117	7.64	
OXN 117	7.47	
SF 85	0.86	
SF 85	0.85	
SF 85	0.88	
SF 85	0.87	
SF 85	0.81	

184, Principale - C.P. 208, Ste-Germaine-Boulé (Québec) J0Z 1M0 **Téléphone : 819 787-6116 • Télécopieur : 819 787-6527** Courriel : infoquebec@actlabs.com

CERTIFICAT D'ANALYSE - ANNEXE 1

TECHNI-LAB
pyroanalyse
géochimie
environnement

À l'attention de Madame Michelle Sciortino

Client: True North Nickel
375, bay street, suite 800
Toronto (On) M5H 2T7

Date d'émission: 24 août 2017
Date de réception: 4 août 2017
Date d'analyse: 22 août 2017
Projet: Qiqavik
Certificat: 39047

MÉTHODE ACCRÉDITÉE

TMT-G5B	Or analysé par spectrométrie d'absorption atomique précédé d'une pyroanalyse
TMT-G5C	Or finition par gravimétrie précédé d'une pyroanalyse
TMT-G5F	Analyse multiélément par ICP-OES avec digestion d'Aqua Regia
TMT-G5I	Or, Palladium et Platine analysés par ICP-OES précédés d'une pyroanalyse

MÉTHODE NON ACCRÉDITÉE

TMT-G5G	Argent par Gravimétrie
TMT-G2	Densité
TMT-G5Z	Titration du Zinc pour concentré

MÉTHODE ACCRÉDITÉE PAR LE CCN

Méthode	*Paramètre*	*Limite de détection*	*Méthode*	*Paramètre*	*Limite de détection*
TMT-G5B	Au ppb (5 ml)	8	TMT-G5F	Ag ppm	0.3
TMT-G5B	Au g/t (10 ml)	0.01	TMT-G5F	Co ppm	2
TMT-G5C	Au gravimétrie g/t	0.08	TMT-G5F	Cu ppm	1
TMT-G5I	Au ppb	2	TMT-G5F	Ni ppm	2
TMT-G5I	Pd ppb	4	TMT-G5F	Pb ppm	3
TMT-G5I	Pt ppb	4	TMT-G5F	Zn ppm	1

Ce rapport est pour l'usage exclusif du client et ne peut être reproduit, sinon en entier, sans l'autorisation écrite de Techni-Lab S.G.B. Abitibi inc.

SCC Accredited LAB
LAB Accrédité CCN
LAB 707

184, Principale - C.P. 208, Ste-Germaine-Boulé (Québec) J0Z 1M0 **Téléphone : 819 787-6116 • Télécopieur : 819 787-6527** Courriel : infoquebec@actlabs.com

TECHNI-LAB
pyroanalyse
géochimie
environnement

Client : Madame Michelle Sciortino
True North Nickel
375, bay street, suite 800
Toronto (On) M5H 2T7

Date d'émission: 24 août 2017
Date de réception: 10 août 2017
Date d'analyses: 22 août 2017
Projet: Qiqavik
Certificat: 39063

CERTIFICAT D'ANALYSE

86 échantillons de carottes ont été reçus pour analyses.

Notes :

Ce certificat remplace et annule tous certificats antérieurs, le cas échéant.

® Ce document est pour l'usage exclusif du client et ne peut être reproduit, sinon en entier, sans l'autorisation écrite de Techni-Lab S. G. B. Abitibi inc. Si vous avez reçu ce certificat par erreur, soyez avisé que tout usage, reproduction ou distribution de celui-ci est strictement interdit. Les échantillons seront conservés pendant 30 jours à partir de la date du certificat à moins d'avis écrit du client.

® Les résultats d'essai ne se rapportent qu'aux objets soumis à l'essai tels qu'ils ont été reçus par le laboratoire.

SCC Accredited LAB
LAB Accrédité CCN
LAB 707

Les résultats des échantillons sont vérifiés et approuvés par :

Vanessa Perreault

Vanessa PERREAULT, chimiste 2015-121

CHIMISTE
Vanessa Perreault
2015-121
QUÉBEC

TECHNI-LAB
pyroanalyse
géochimie
environnement

CERTIFICAT D'ANALYSE

À l'attention de Madame Michelle Sciortino

Client True North Nickel
375, bay street, suite 800
Toronto (On) M5H 2T7

Date d'émission: 24 août 2017
Date de réception : 10 août 2017
Date d'analyses : 22 août 2017
Projet : Qiqavik
Certificat : 39063

Échantillon #	Au g/t AA	Au g/t >10.0 g/t Gravimétrie
Méthode utilisée:	*TMT-G5B*	*TMT-G5C*
410963	0.03	
410964	0.02	
410965	0.06	
410966	0.09	
410967	0.14	
410968	0.24	
410969	0.20	
410970	0.08	
410971	0.19	
410972	0.31	
410973	0.04	
410974	0.06	
410975	0.14	
410976	0.13	
410977	0.10	
410978	0.12	
410979	0.06	
410980	1.15	
410981	0.22	
410982	0.67	
410983	0.10	
410984	0.48	
410985	0.80	
410986	0.26	
410987	2.90	
410988	0.44	
410989	0.37	
410990	<0.01	
410991	0.10	
410992	1.66	
410993	1.05	
410994	0.08	
410995	0.04	

184, Principale - C.P. 208, Ste-Germaine-Boulé (Québec) J0Z 1M0 **Téléphone : 819 787-6116 • Télécopieur : 819 787-6527** Courriel : infoquebec@actlabs.com

TECHNI-LAB
pyroanalyse
géochimie
environnement

CERTIFICAT D'ANALYSE

À l'attention de Madame Michelle Sciortino

Client True North Nickel
375, bay street, suite 800
Toronto (On) M5H 2T7

Date d'émission: 24 août 2017
Date de réception : 10 août 2017
Date d'analyses : 22 août 2017
Projet : Qiqavik
Certificat : 39063

Échantillon #	Au g/t AA	Au g/t >10.0 g/t Gravimétrie
Méthode utilisée:	*TMT-G5B*	*TMT-G5C*
410996	0.11	
409604	0.03	
409605	0.02	
409606	0.01	
409607	0.05	
409608	0.01	
409609	<0.01	
409610	0.07	
409611	0.10	
409612	0.01	
409613	<0.01	
409614	<0.01	
409615	0.01	
409616	<0.01	
409617	0.01	
409618	<0.01	
409619	<0.01	
409620	0.39	
409621	<0.01	
409622	<0.01	
409623	<0.01	
409624	0.01	
409625	0.08	
409626	0.10	
409627	0.03	
409628	<0.01	
409629	<0.01	
409630	1.11	
409631	<0.01	
409632	<0.01	
409633	<0.01	
409634	0.01	
409635	<0.01	

184, Principale - C.P. 208, Ste-Germaine-Boulé (Québec) J0Z 1M0 **Téléphone : 819 787-6116 • Télécopieur : 819 787-6527** Courriel : infoquebec@actlabs.com

TECHNI-LAB
pyroanalyse
géochimie
environnement

CERTIFICAT D'ANALYSE

À l'attention de Madame Michelle Sciortino

Client True North Nickel
375, bay street, suite 800
Toronto (On) M5H 2T7

Date d'émission: 24 août 2017
Date de réception : 10 août 2017
Date d'analyses : 22 août 2017
Projet : Qiqavik
Certificat : 39063

Échantillon #	Au g/t AA	Au g/t >10.0 g/t Gravimétrie
Méthode utilisée:	*TMT-G5B*	*TMT-G5C*
409636	0.05	
409637	0.11	
409638	<0.01	
409639	<0.01	
409640	<0.01	
409641	<0.01	
409642	0.01	
409643	0.10	
409644	<0.01	
409645	<0.01	
409646	0.02	
409647	0.10	
409648	<0.01	
409649	<0.01	
409650	1.12	
409651	0.01	
409652	1.68	
409653	0.07	
409654	0.64	
409655	1.68	
409616-Dup	<0.01	
409638-Dup	<0.01	
410969-Dup	0.23	
410991-Dup	0.10	
OXN 117	7.60	
OXN 117	7.49	
OXN 117	7.74	
OXN 117	7.79	
OXN 117	7.73	
OXN 117	7.47	
OXN 117	7.76	
OXN 117	7.90	

184, Principale - C.P. 208, Ste-Germaine-Boulé (Québec) J0Z 1M0 **Téléphone : 819 787-6116 • Télécopieur : 819 787-6527** Courriel : infoquebec@actlabs.com

TECHNI-LAB
pyroanalyse
géochimie
environnement

CERTIFICAT D'ANALYSE

À l'attention de Madame Michelle Sciortino

Client True North Nickel
375, bay street, suite 800
Toronto (On) M5H 2T7

Date d'émission: 24 août 2017
Date de réception : 10 août 2017
Date d'analyses : 22 août 2017
Projet : Qiqavik
Certificat : 39063

Échantillon #	Au g/t AA	Au g/t >10.0 g/t Gravimétrie
Méthode utilisée:	*TMT-G5B*	*TMT-G5C*
SF 85	0.87	
SF 85	0.87	
SF 85	0.80	
SF 85	0.87	
SF 85	0.84	
SF 85	0.81	
SF 85	0.85	
SF 85	0.85	

184, Principale - C.P. 208, Ste-Germaine-Boulé (Québec) J0Z 1M0 **Téléphone : 819 787-6116 • Télécopieur : 819 787-6527** Courriel : infoquebec@actlabs.com

CERTIFICAT D'ANALYSE - ANNEXE 1

TECHNI-LAB
pyroanalyse
géochimie
environnement

À l'attention de Madame Michelle Sciortino

Client: True North Nickel
375, bay street, suite 800
Toronto (On) M5H 2T7

Date d'émission: 24 août 2017
Date de réception: 10 août 2017
Date d'analyse: 22 août 2017
Projet: Qiqavik
Certificat: 39063

MÉTHODE ACCRÉDITÉE

TMT-G5B	Or analysé par spectrométrie d'absorption atomique précédé d'une pyroanalyse
TMT-G5C	Or finition par gravimétrie précédé d'une pyroanalyse
TMT-G5F	Analyse multiélément par ICP-OES avec digestion d'Aqua Regia
TMT-G5I	Or, Palladium et Platine analysés par ICP-OES précédés d'une pyroanalyse

MÉTHODE NON ACCRÉDITÉE

TMT-G5G	Argent par Gravimétrie
TMT-G2	Densité
TMT-G5Z	Titration du Zinc pour concentré

MÉTHODE ACCRÉDITÉE PAR LE CCN

Méthode	*Paramètre*	*Limite de détection*	*Méthode*	*Paramètre*	*Limite de détection*
TMT-G5B	Au ppb (5 ml)	8	TMT-G5F	Ag ppm	0.3
TMT-G5B	Au g/t (10 ml)	0.01	TMT-G5F	Co ppm	2
TMT-G5C	Au gravimétrie g/t	0.08	TMT-G5F	Cu ppm	1
TMT-G5I	Au ppb	2	TMT-G5F	Ni ppm	2
TMT-G5I	Pd ppb	4	TMT-G5F	Pb ppm	3
TMT-G5I	Pt ppb	4	TMT-G5F	Zn ppm	1

Ce rapport est pour l'usage exclusif du client et ne peut être reproduit, sinon en entier, sans l'autorisation écrite de Techni-Lab S.G.B. Abitibi inc.

SCC Accredited LAB
LAB Accrédité CCN
LAB 707

184, Principale - C.P. 208, Ste-Germaine-Boulé (Québec) J0Z 1M0 **Téléphone : 819 787-6116 • Télécopieur : 819 787-6527** Courriel : infoquebec@actlabs.com

Pyroanalyse
Géochimie
Environnement

TECHNI-LAB

Client : Madame Michelle Sciortino
True North Nickel
375, bay street, suite 800
Toronto (On) M5H 2T7

Date d'émission: 30 août 2017
Date de réception: 14 août 2017
Date d'analyses: 24 août 2017
Projet: Qiqavik
Commande: 17-QK-Core-05
Certificat: 39083

CERTIFICAT D'ANALYSE

220 échantillons de carottes ont été reçus pour analyses.

Notes :

Ce certificat remplace et annule tous certificats antérieurs, le cas échéant.

® Ce document est pour l'usage exclusif du client et ne peut être reproduit, sinon en entier, sans l'autorisation écrite de Techni-Lab S. G. B. Abitibi inc. Si vous avez reçu ce certificat par erreur, soyez avisé que tout usage, reproduction ou distribution de celui-ci est strictement interdit. Les échantillons seront conservés pendant 30 jours à partir de la date du certificat à moins d'avis écrit du client.

® Les résultats d'essai ne se rapportent qu'aux objets soumis à l'essai tels qu'ils ont été reçus par le laboratoire.

SCC Accredited LAB
LAB Accrédité CCN
LAB 707

Les résultats des échantillons sont vérifiés et approuvés par :

Vanessa Perreault

Vanessa PERREAULT, chimiste 2015-121

CHIMISTE
Vanessa Perreault
2015-121
QUÉBEC

Pyroanalyse
Géochimie
Environnement

TECHNI-LAB

CERTIFICAT D'ANALYSE

À l'attention de Madame Michelle Sciortino

Client True North Nickel
375, bay street, suite 800
Toronto (On) M5H 2T7

Date d'émission: 30 août 2017
Date de réception : 14 août 2017
Date d'analyses : 24 août 2017
Projet : Qiqavik
Commande: 17-QK-Core-05
Certificat : 39083

Échantillon #	Au g/t AA	Au g/t >10.0 g/t Gravimétrie
Méthode utilisée:	*TMT-G5B*	*TMT-G5C*
409656	0.03	
409657	0.02	
409658	1.48	
409659	0.08	
409660	0.09	
409661	<0.01	
409662	<0.01	
409663	<0.01	
409664	<0.01	
409665	<0.01	
409666	0.05	
409667	<0.01	
409668	<0.01	
409669	<0.01	
409670	1.11	
409671	<0.01	
409672	<0.01	
409673	0.05	
409674	<0.01	
409675	<0.01	
409676	<0.01	
409677	0.03	
409678	0.03	
409679	0.15	
409680	<0.01	
409681	<0.01	
409682	<0.01	
409683	0.86	
409684	<0.01	
409685	<0.01	
409686	0.92	
409687	0.05	
409688	0.11	
409689	<0.01	

184, Principale, Ste-Germaine-Boulé (Québec) J0Z 1M0 **Téléphone : 819 787-6116 • Télécopieur : 819 787-6527** Courriel : infoquebec@actlabs.com

CERTIFICAT D'ANALYSE

À l'attention de Madame Michelle Sciortino

Client True North Nickel
375, bay street, suite 800
Toronto (On) M5H 2T7

Date d'émission: 30 août 2017
Date de réception : 14 août 2017
Date d'analyses : 24 août 2017
Projet : Qiqavik
Commande: 17-QK-Core-05
Certificat : 39083

Échantillon #	Au g/t AA	Au g/t >10.0 g/t Gravimétrie
Méthode utilisée:	*TMT-G5B*	*TMT-G5C*
409690	<0.01	
409691	2.00	
409692	1.25	
409693	0.07	
409694	<0.01	
409695	<0.01	
409696	<0.01	
409697	<0.01	
409698	<0.01	
409699	<0.01	
409700	1.13	
409701	<0.01	
409702	<0.01	
409703	0.03	
409704	<0.01	
409705	<0.01	
409706	0.03	
409707	<0.01	
409708	<0.01	
409709	<0.01	
409710	<0.01	
409711	<0.01	
409712	<0.01	
409713	<0.01	
409714	<0.01	
409715	<0.01	
409716	<0.01	
409717	<0.01	
409718	<0.01	
409719	<0.01	
409720	<0.01	
409721	<0.01	
409722	0.03	
409723	0.04	

184, Principale, Ste-Germaine-Boulé (Québec) J0Z 1M0 **Téléphone : 819 787-6116 • Télécopieur : 819 787-6527** Courriel : infoquebec@actlabs.com

Pyroanalyse
Géochimie
Environnement

TECHNI-LAB

CERTIFICAT D'ANALYSE

À l'attention de Madame Michelle Sciortino

Client True North Nickel
375, bay street, suite 800
Toronto (On) M5H 2T7

Date d'émission: 30 août 2017
Date de réception : 14 août 2017
Date d'analyses : 24 août 2017
Projet : Qiqavik
Commande: 17-QK-Core-05
Certificat : 39083

Échantillon #	Au g/t AA	Au g/t >10.0 g/t Gravimétrie
Méthode utilisée:	*TMT-G5B*	*TMT-G5C*
409724	0.01	
409725	<0.01	
409726	<0.01	
409727	<0.01	
409728	<0.01	
409729	<0.01	
409730	1.13	
409731	<0.01	
409732	<0.01	
409733	0.01	
409734	<0.01	
409735	0.01	
409736	<0.01	
409737	<0.01	
409738	<0.01	
409739	<0.01	
409740	<0.01	
409741	0.01	
409742	0.02	
409743	<0.01	
409744	0.02	
409745	0.01	
409746	<0.01	
409747	0.01	
409748	0.02	
409749	0.02	
409750	1.21	
409751	0.04	
409752	0.02	
409753	0.01	
409754	0.02	
409755	0.02	
409756	0.02	
409757	0.06	

184, Principale, Ste-Germaine-Boulé (Québec) J0Z 1M0 **Téléphone : 819 787-6116 • Télécopieur : 819 787-6527** Courriel : infoquebec@actlabs.com

Pyroanalyse
Géochimie
Environnement

TECHNI-LAB

CERTIFICAT D'ANALYSE

À l'attention de Madame Michelle Sciortino

Client True North Nickel
375, bay street, suite 800
Toronto (On) M5H 2T7

Date d'émission: 30 août 2017
Date de réception : 14 août 2017
Date d'analyses : 24 août 2017
Projet : Qiqavik
Commande: 17-QK-Core-05
Certificat : 39083

Échantillon #	Au g/t AA	Au g/t >10.0 g/t Gravimétrie
Méthode utilisée:	*TMT-G5B*	*TMT-G5C*
409758	0.02	
409759	0.06	
409760	0.02	
409761	0.06	
409762	0.06	
409763	0.06	
409764	0.09	
409765	0.08	
409766	0.08	
409767	0.17	
409768	0.03	
409769	0.04	
409770	<0.01	
409771	0.08	
409772	0.06	
409773	0.07	
409774	0.04	
409775	0.07	
409776	0.08	
409777	0.02	
409778	0.24	
409779	0.07	
409780	9.69	
409781	0.03	
409782	0.02	
409783	0.03	
409784	0.04	
409785	0.03	
409786	0.03	
409787	1.03	
409788	<0.01	
409789	<0.01	
409790	<0.01	
409791	0.03	

184, Principale, Ste-Germaine-Boulé (Québec) J0Z 1M0 **Téléphone : 819 787-6116 • Télécopieur : 819 787-6527** Courriel : infoquebec@actlabs.com

Pyroanalyse
Géochimie
Environnement

TECHNI-LAB

CERTIFICAT D'ANALYSE

À l'attention de Madame Michelle Sciortino

Client True North Nickel
375, bay street, suite 800
Toronto (On) M5H 2T7

Date d'émission: 30 août 2017
Date de réception : 14 août 2017
Date d'analyses : 24 août 2017
Projet : Qiqavik
Commande: 17-QK-Core-05
Certificat : 39083

Échantillon #	Au g/t AA	Au g/t >10.0 g/t Gravimétrie
Méthode utilisée:	*TMT-G5B*	*TMT-G5C*
409792	<0.01	
409793	0.02	
409794	<0.01	
409795	0.01	
409796	<0.01	
409797	<0.01	
409798	<0.01	
409799	0.01	
409800	<0.01	
409801	<0.01	
409802	0.01	
409803	<0.01	
409804	<0.01	
409805	<0.01	
409806	<0.01	
409807	<0.01	
409808	<0.01	
409809	<0.01	
409810	1.16	
409811	<0.01	
409812	<0.01	
409813	<0.01	
409814	<0.01	
409815	0.02	
409816	<0.01	
409817	<0.01	
409818	<0.01	
409819	<0.01	
409820	<0.01	
409821	<0.01	
409822	<0.01	
409823	0.05	
409824	<0.01	
409825	<0.01	

184, Principale, Ste-Germaine-Boulé (Québec) J0Z 1M0 **Téléphone : 819 787-6116 • Télécopieur : 819 787-6527** Courriel : infoquebec@actlabs.com

Pyroanalyse
Géochimie
Environnement

TECHNI-LAB

CERTIFICAT D'ANALYSE

À l'attention de Madame Michelle Sciortino

Client True North Nickel
375, bay street, suite 800
Toronto (On) M5H 2T7

Date d'émission: 30 août 2017
Date de réception : 14 août 2017
Date d'analyses : 24 août 2017
Projet : Qiqavik
Commande: 17-QK-Core-05
Certificat : 39083

Échantillon #	Au g/t AA	Au g/t >10.0 g/t Gravimétrie
Méthode utilisée:	*TMT-G5B*	*TMT-G5C*
409826	<0.01	
409827	<0.01	
409828	<0.01	
409829	<0.01	
409830	0.42	
409831	<0.01	
409832	<0.01	
409833	<0.01	
409834	<0.01	
409835	<0.01	
409836	<0.01	
409837	<0.01	
409838	0.08	
409839	0.01	
409840	<0.01	
409841	<0.01	
409842	<0.01	
409843	<0.01	
409844	<0.01	
409845	<0.01	
409846	<0.01	
409847	<0.01	
409848	0.04	
409849	0.87	
409850	0.22	
409851	3.02	
409852	<0.01	
409853	0.02	
409854	0.05	
409855	0.05	
409856	<0.01	
409857	<0.01	
409858	<0.01	
409859	<0.01	

184, Principale, Ste-Germaine-Boulé (Québec) J0Z 1M0 **Téléphone : 819 787-6116 • Télécopieur : 819 787-6527** Courriel : infoquebec@actlabs.com

Pyroanalyse
Géochimie
Environnement

TECHNI-LAB

CERTIFICAT D'ANALYSE

À l'attention de Madame Michelle Sciortino

Client True North Nickel
375, bay street, suite 800
Toronto (On) M5H 2T7

Date d'émission: 30 août 2017
Date de réception : 14 août 2017
Date d'analyses : 24 août 2017
Projet : Qiqavik
Commande: 17-QK-Core-05
Certificat : 39083

Échantillon #	Au g/t AA	Au g/t >10.0 g/t Gravimétrie
Méthode utilisée:	*TMT-G5B*	*TMT-G5C*
409860	1.17	
409861	<0.01	
409862	<0.01	
409863	0.02	
409864	1.90	
409865	<0.01	
409866	<0.01	
409867	<0.01	
409868	0.01	
409869	<0.01	
409870	<0.01	
409871	<0.01	
409872	<0.01	
409873	<0.01	
409874	0.01	
409875	0.02	
409658-Dup	1.46	
409668-Dup	<0.01	
409704-Dup	<0.01	
409727-Dup	<0.01	
409742-Dup	0.01	
409763-Dup	0.04	
409787-Dup	1.03	
409801-Dup	<0.01	
409822-Dup	<0.01	
409843-Dup	<0.01	
409867-Dup	<0.01	
OXN 117	7.64	
OXN 117	7.45	
OXN 117	7.79	
OXN 117	7.75	
OXN 117	7.90	
OXN 117	7.76	

184, Principale, Ste-Germaine-Boulé (Québec) J0Z 1M0 **Téléphone : 819 787-6116 • Télécopieur : 819 787-6527** Courriel : infoquebec@actlabs.com

Pyroanalyse
Géochimie
Environnement

TECHNI-LAB

CERTIFICAT D'ANALYSE

À l'attention de Madame Michelle Sciortino

Client True North Nickel
375, bay street, suite 800
Toronto (On) M5H 2T7

Date d'émission: 30 août 2017
Date de réception : 14 août 2017
Date d'analyses : 24 août 2017
Projet : Qiqavik
Commande: 17-QK-Core-05
Certificat : 39083

Échantillon #	Au g/t AA	Au g/t >10.0 g/t Gravimétrie
Méthode utilisée:	*TMT-G5B*	*TMT-G5C*
OXN 117	7.58	
OXN 117	7.72	
OXN 117	7.46	
OXN 117	7.63	
OXN 117	7.66	
OXN 117	7.68	
OXN 117	7.78	
OXN 117	7.81	
SF 85	0.82	
SF 85	0.84	
SF 85	0.89	
SF 85	0.85	
SF 85	0.87	
SF 85	0.83	
SF 85	0.86	
SF 85	0.86	
SF 85	0.83	
SF 85	0.85	
SF 85	0.86	
SF 85	0.89	
SF 85	0.86	
SF 85	0.85	

184, Principale, Ste-Germaine-Boulé (Québec) J0Z 1M0 **Téléphone : 819 787-6116 • Télécopieur : 819 787-6527** Courriel : infoquebec@actlabs.com

Pyroanalyse
Géochimie
Environnement

CERTIFICAT D'ANALYSE - ANNEXE 1 TECHNI-LAB

À l'attention de Madame Michelle Sciortino

Client: True North Nickel
375, bay street, suite 800
Toronto (On) M5H 2T7

Date d'émission: 30 août 2017
Date de réception: 14 août 2017
Date d'analyse: 24 août 2017
Projet: Qiqavik
Commande: 17-QK-Core-05
Certificat: 39083

MÉTHODE ACCRÉDITÉE

TMT-G5B	Or analysé par spectrométrie d'absorption atomique précédé d'une pyroanalyse
TMT-G5C	Or finition par gravimétrie précédé d'une pyroanalyse
TMT-G5F	Analyse multiélément par ICP-OES avec digestion d'Aqua Regia
TMT-G5I	Or, Palladium et Platine analysés par ICP-OES précédés d'une pyroanalyse

MÉTHODE NON ACCRÉDITÉE

TMT-G5G	Argent par Gravimétrie
TMT-G2	Densité
TMT-G5Z	Titration du Zinc pour concentré

MÉTHODE ACCRÉDITÉE PAR LE CCN

Méthode	*Paramètre*	*Limite de détection*	*Méthode*	*Paramètre*	*Limite de détection*
TMT-G5B	Au ppb (5 ml)	8	TMT-G5F	Ag ppm	0.3
TMT-G5B	Au g/t (10 ml)	0.01	TMT-G5F	Co ppm	2
TMT-G5C	Au gravimétrie g/t	0.08	TMT-G5F	Cu ppm	1
TMT-G5I	Au ppb	2	TMT-G5F	Ni ppm	2
TMT-G5I	Pd ppb	4	TMT-G5F	Pb ppm	3
TMT-G5I	Pt ppb	4	TMT-G5F	Zn ppm	1

SCC Accredited LAB
LAB Accrédité CCN
LAB 707

Ce rapport est pour l'usage exclusif du client et ne peut être reproduit, sinon en entier, sans l'autorisation écrite de Techni-Lab S.G.B. Abitibi inc.

184, Principale, Ste-Germaine-Boulé (Québec) J0Z 1M0 **Téléphone : 819 787-6116 • Télécopieur : 819 787-6527** Courriel : infoquebec@actlabs.com

TECHNI-LAB
pyroanalyse
géochimie
environnement

Client : Madame Michelle Sciortino
True North Nickel
375, bay street, suite 800
Toronto (On) M5H 2T7

Date d'émission: 13 oct. 2017
Date de réception: 23 août 2017
Date d'analyses: 28 sept. 2017
Projet: Qiqavik
Commande 17-QK-Core-06
Certificat: 39146

CERTIFICAT D'ANALYSE

348 échantillons de carottes ont été reçus pour analyses.

Notes :

Ce certificat remplace et annule tous certificats antérieurs, le cas échéant.

® Ce document est pour l'usage exclusif du client et ne peut être reproduit, sinon en entier, sans l'autorisation écrite de Techni-Lab S. G. B. Abitibi inc. Si vous avez reçu ce certificat par erreur, soyez avisé que tout usage, reproduction ou distribution de celui-ci est strictement interdit. Les échantillons seront conservés pendant 30 jours à partir de la date du certificat à moins d'avis écrit du client.

® Les résultats d'essai ne se rapportent qu'aux objets soumis à l'essai tels qu'ils ont été reçus par le laboratoire.

SCC Accredited LAB
LAB Accrédité CCN
LAB 707

Les résultats des échantillons sont vérifiés et approuvés par :

Vanessa Perreault

Vanessa PERREAULT, Chimiste 2015-121

CHIMISTE
Vanessa Perreault
2015-121
QUÉBEC

CERTIFICAT D'ANALYSE

TECHNI-LAB
pyroanalyse
géochimie
environnement

À l'attention de Madame Michelle Sciortino

Client True North Nickel
375, bay street, suite 800
Toronto (On) M5H 2T7

Tél.: 416-363-1649 #233

Date d'émission: 13 oct. 2017
Date de réception : 23 août 2017
Date d'analyses : 28 sept. 2017
Projet : Qiqavik
Commande 17-QK-Core-06
Certificat : 39146

Échantillon #	Au g/t AA	Au g/t >10.0 g/t Gravimétrie
Méthode utilisée:	*TMT-G5B*	*TMT-G5C*
409876	<0.01	
409877	0.03	
409878	<0.01	
409879	<0.01	
409880	1.17	
409881	0.02	
409882	0.03	
409883	0.35	
409884	0.19	
409885	0.06	
409886	0.02	
409887	<0.01	
409888	0.02	
409889	0.05	
409890	<0.01	
409891	0.02	
409892	0.01	
409893	0.01	
409894	<0.01	
409895	<0.01	
409896	<0.01	
409897	<0.01	
409898	<0.01	
409899	0.01	
409900	<0.01	
409901	<0.01	
409902	0.03	
409903	0.22	
409904	0.02	
409905	<0.01	
409906	<0.01	
409907	0.05	
409908	0.09	

184, Principale - C.P. 208, Ste-Germaine-Boulé (Québec) J0Z 1M0 **Téléphone : 819 787-6116 • Télécopieur : 819 787-6527** Courriel : infoquebec@actlabs.com

TECHNI-LAB
pyroanalyse
géochimie
environnement

CERTIFICAT D'ANALYSE

À l'attention de Madame Michelle Sciortino

Client True North Nickel
375, bay street, suite 800
Toronto (On) M5H 2T7

Tél.: 416-363-1649 #233

Date d'émission: 13 oct. 2017
Date de réception : 23 août 2017
Date d'analyses : 28 sept. 2017
Projet : Qiqavik
Commande 17-QK-Core-06
Certificat : 39146

Échantillon #	Au g/t AA	Au g/t >10.0 g/t Gravimétrie
Méthode utilisée:	*TMT-G5B*	*TMT-G5C*
409909	0.08	
409910	2.63	
409911	0.11	
409912	0.11	
409913	0.10	
409914	0.02	
409915	0.02	
409916	0.04	
409917	0.02	
409918	0.02	
409919	<0.01	
409920	<0.01	
409921	0.03	
409922	0.02	
409923	<0.01	
409924	0.03	
409925	0.07	
409926	0.02	
409927	0.01	
409928	0.05	
409929	0.02	
409930	0.02	
409931	0.02	
409932	0.01	
409933	0.02	
409934	0.02	
409935	0.14	
409936	0.03	
409937	<0.01	
409938	0.02	
409939	<0.01	
409940	0.39	
409941	<0.01	

184, Principale - C.P. 208, Ste-Germaine-Boulé (Québec) J0Z 1M0 **Téléphone : 819 787-6116 • Télécopieur : 819 787-6527** Courriel : infoquebec@actlabs.com

TECHNI-LAB
pyroanalyse
géochimie
environnement

CERTIFICAT D'ANALYSE

À l'attention de Madame Michelle Sciortino

Client True North Nickel
375, bay street, suite 800
Toronto (On) M5H 2T7

Tél.: 416-363-1649 #233

Date d'émission: 13 oct. 2017
Date de réception : 23 août 2017
Date d'analyses : 28 sept. 2017
Projet : Qiqavik
Commande 17-QK-Core-06
Certificat : 39146

Échantillon #	Au g/t AA	Au g/t >10.0 g/t Gravimétrie
Méthode utilisée:	*TMT-G5B*	*TMT-G5C*
409942	0.02	
409943	<0.01	
409944	0.01	
409945	0.01	
409946	<0.01	
409947	0.16	
409948	0.14	
409949	<0.01	
409950	0.01	
409951	<0.01	
409952	0.01	
409953	0.01	
409954	<0.01	
409955	0.02	
409956	<0.01	
409957	0.05	
409958	0.03	
409959	0.07	
409960	0.03	
409961	0.05	
409962	0.01	
409963	<0.01	
409964	<0.01	
409965	<0.01	
409966	<0.01	
409967	<0.01	
409968	<0.01	
409969	<0.01	
409970	1.14	
409971	<0.01	
409972	<0.01	
409973	<0.01	
409974	0.02	

184, Principale - C.P. 208, Ste-Germaine-Boulé (Québec) J0Z 1M0 **Téléphone : 819 787-6116 • Télécopieur : 819 787-6527** Courriel : infoquebec@actlabs.com

CERTIFICAT D'ANALYSE

TECHNI-LAB
pyroanalyse
géochimie
environnement

À l'attention de Madame Michelle Sciortino

Client True North Nickel
375, bay street, suite 800
Toronto (On) M5H 2T7

Tél.: 416-363-1649 #233

Date d'émission: 13 oct. 2017
Date de réception : 23 août 2017
Date d'analyses : 28 sept. 2017
Projet : Qiqavik
Commande 17-QK-Core-06
Certificat : 39146

Échantillon #	Au g/t AA	Au g/t >10.0 g/t Gravimétrie
Méthode utilisée:	*TMT-G5B*	*TMT-G5C*
409975	<0.01	
409976	<0.01	
409977	<0.01	
409978	<0.01	
409979	<0.01	
409980	<0.01	
409981	<0.01	
409982	<0.01	
409983	<0.01	
409984	0.04	
409985	0.02	
409986	<0.01	
409987	<0.01	
409988	<0.01	
409989	<0.01	
409990	0.01	
409991	0.01	
409992	<0.01	
409993	0.01	
409994	<0.01	
409995	0.01	
409996	0.02	
409997	0.03	
409998	0.02	
409999	<0.01	
410000	1.06	
410001	0.01	
410002	<0.01	
410003	<0.01	
410004	<0.01	
410005	<0.01	
410006	<0.01	
410007	<0.01	

184, Principale - C.P. 208, Ste-Germaine-Boulé (Québec) J0Z 1M0 **Téléphone : 819 787-6116 • Télécopieur : 819 787-6527** Courriel : infoquebec@actlabs.com

TECHNI-LAB
pyroanalyse
géochimie
environnement

CERTIFICAT D'ANALYSE

À l'attention de Madame Michelle Sciortino

Client True North Nickel
375, bay street, suite 800
Toronto (On) M5H 2T7

Tél.: 416-363-1649 #233

Date d'émission: 13 oct. 2017
Date de réception : 23 août 2017
Date d'analyses : 28 sept. 2017
Projet : Qiqavik
Commande 17-QK-Core-06
Certificat : 39146

Échantillon #	Au g/t AA	Au g/t >10.0 g/t Gravimétrie
Méthode utilisée:	*TMT-G5B*	*TMT-G5C*
410008	<0.01	
410009	0.83	
410010	<0.01	
410011	<0.01	
410012	0.01	
410013	0.01	
410014	<0.01	
410015	<0.01	
410016	<0.01	
410017	<0.01	
410018	<0.01	
410019	<0.01	
410020	<0.01	
410021	<0.01	
410022	<0.01	
410023	<0.01	
410024	0.02	
410025	0.02	
410026	0.02	
410027	0.26	
410028	0.03	
410029	0.05	
410030	0.39	
410031	0.02	
410032	0.15	
410033	<0.01	
410034	<0.01	
410035	<0.01	
410036	<0.01	
410037	<0.01	
410038	<0.01	
410039	0.01	
410040	<0.01	

184, Principale - C.P. 208, Ste-Germaine-Boulé (Québec) J0Z 1M0 **Téléphone : 819 787-6116 • Télécopieur : 819 787-6527** Courriel : infoquebec@actlabs.com

TECHNI-LAB
pyroanalyse
géochimie
environnement

CERTIFICAT D'ANALYSE

À l'attention de Madame Michelle Sciortino

Client True North Nickel
375, bay street, suite 800
Toronto (On) M5H 2T7

Tél.: 416-363-1649 #233

Date d'émission: 13 oct. 2017
Date de réception : 23 août 2017
Date d'analyses : 28 sept. 2017
Projet : Qiqavik
Commande 17-QK-Core-06
Certificat : 39146

Échantillon #	Au g/t AA	Au g/t >10.0 g/t Gravimétrie
Méthode utilisée:	*TMT-G5B*	*TMT-G5C*
410041	0.45	
410042	<0.01	
410043	<0.01	
410044	0.02	
410045	0.01	
410046	0.05	
410047	0.02	
410048	<0.01	
410049	0.05	
410050	0.03	
410051	0.08	
410052	0.16	
410053	0.01	
410054	0.03	
410055	1.05	
410056	<0.01	
410057	<0.01	
410058	<0.01	
410059	0.03	
410060	1.15	
410061	<0.01	
410062	<0.01	
410063	0.02	
410064	0.29	
410065	<0.01	
410066	<0.01	
410067	0.01	
410068	0.04	
410069	0.02	
410070	<0.01	
410071	<0.01	
410072	<0.01	
410073	<0.01	

184, Principale - C.P. 208, Ste-Germaine-Boulé (Québec) J0Z 1M0 **Téléphone : 819 787-6116 • Télécopieur : 819 787-6527** Courriel : infoquebec@actlabs.com

TECHNI-LAB
pyroanalyse
géochimie
environnement

CERTIFICAT D'ANALYSE

À l'attention de Madame Michelle Sciortino

Client True North Nickel
375, bay street, suite 800
Toronto (On) M5H 2T7

Tél.: 416-363-1649 #233

Date d'émission: 13 oct. 2017
Date de réception : 23 août 2017
Date d'analyses : 28 sept. 2017
Projet : Qiqavik
Commande 17-QK-Core-06
Certificat : 39146

Échantillon #	Au g/t AA	Au g/t >10.0 g/t Gravimétrie
Méthode utilisée:	*TMT-G5B*	*TMT-G5C*
410074	<0.01	
410075	<0.01	
410076	<0.01	
410077	0.02	
410078	<0.01	
410079	<0.01	
410080	<0.01	
410081	<0.01	
410082	<0.01	
410083	<0.01	
410084	<0.01	
410085	<0.01	
410086	<0.01	
410087	<0.01	
410088	<0.01	
410089	<0.01	
410090	9.40	
410091	<0.01	
410092	<0.01	
410093	<0.01	
410094	0.10	
410095	0.15	
410096	0.03	
410097	<0.01	
410098	<0.01	
410099	<0.01	
410100	<0.01	
410101	<0.01	
410102	<0.01	
410103	<0.01	
410104	<0.01	
410105	0.03	
410106	0.01	

184, Principale - C.P. 208, Ste-Germaine-Boulé (Québec) J0Z 1M0 **Téléphone : 819 787-6116 • Télécopieur : 819 787-6527** Courriel : infoquebec@actlabs.com

TECHNI-LAB
pyroanalyse
géochimie
environnement

CERTIFICAT D'ANALYSE

À l'attention de Madame Michelle Sciortino

Client True North Nickel
375, bay street, suite 800
Toronto (On) M5H 2T7

Tél.: 416-363-1649 #233

Date d'émission: 13 oct. 2017
Date de réception : 23 août 2017
Date d'analyses : 28 sept. 2017
Projet : Qiqavik
Commande 17-QK-Core-06
Certificat : 39146

Échantillon #	Au g/t AA	Au g/t >10.0 g/t Gravimétrie
Méthode utilisée:	*TMT-G5B*	*TMT-G5C*
410107	<0.01	
410108	<0.01	
410109	<0.01	
410110	<0.01	
410111	<0.01	
410112	<0.01	
410113	<0.01	
410114	0.04	
410115	<0.01	
410116	<0.01	
410117	<0.01	
410118	0.02	
410119	<0.01	
410120	<0.01	
410121	0.01	
410122	<0.01	
410123	<0.01	
410124	<0.01	
410125	<0.01	
410126	0.02	
410127	0.21	
410128	1.63	
410129	1.04	
410130	1.13	
410131	2.51	
410132	0.66	
410133	0.67	
410134	3.62	
410135	1.10	
410136	1.16	
410137	0.03	
410138	0.01	
410139		M/S

184, Principale - C.P. 208, Ste-Germaine-Boulé (Québec) J0Z 1M0 **Téléphone : 819 787-6116 • Télécopieur : 819 787-6527** Courriel : infoquebec@actlabs.com

TECHNI-LAB
pyroanalyse
géochimie
environnement

CERTIFICAT D'ANALYSE

À l'attention de Madame Michelle Sciortino

Client True North Nickel
375, bay street, suite 800
Toronto (On) M5H 2T7

Tél.: 416-363-1649 #233

Date d'émission: 13 oct. 2017
Date de réception : 23 août 2017
Date d'analyses : 28 sept. 2017
Projet : Qiqavik
Commande 17-QK-Core-06
Certificat : 39146

Échantillon #	Au g/t AA	Au g/t >10.0 g/t Gravimétrie
Méthode utilisée:	*TMT-G5B*	*TMT-G5C*
410140	0.17	
410141	2.97	
410142	<0.01	
410143	0.07	
410144	0.01	
410145	0.03	
410146	0.07	
410147	<0.01	
410148	0.22	
410149	1.58	
410150	0.40	
410151	0.26	
410152	0.08	
410153	0.44	
410154	0.10	
410155	<0.01	
410156	0.04	
410157	<0.01	
410158	<0.01	
410159	<0.01	
410160	1.11	
410161	0.12	
410162	0.42	
410163	5.21	
410164	0.45	
410165	1.37	
410166	1.70	
410167	5.58	
410168	1.86	
410169	0.17	
410170	<0.01	
410171	0.03	
410172	<0.01	

184, Principale - C.P. 208, Ste-Germaine-Boulé (Québec) J0Z 1M0 **Téléphone : 819 787-6116 • Télécopieur : 819 787-6527** Courriel : infoquebec@actlabs.com

TECHNI-LAB
pyroanalyse
géochimie
environnement

CERTIFICAT D'ANALYSE

À l'attention de Madame Michelle Sciortino

Client True North Nickel
375, bay street, suite 800
Toronto (On) M5H 2T7

Tél.: 416-363-1649 #233

Date d'émission: 13 oct. 2017
Date de réception : 23 août 2017
Date d'analyses : 28 sept. 2017
Projet : Qiqavik
Commande 17-QK-Core-06
Certificat : 39146

Échantillon #	Au g/t AA	Au g/t >10.0 g/t Gravimétrie
Méthode utilisée:	*TMT-G5B*	*TMT-G5C*
410173	0.01	
410174	4.26	
410175	2.31	
410176	0.38	
410177	0.17	
410178	<0.01	
410179	0.06	
410180	0.05	
410181	4.75	
410182	0.94	
410183	0.11	
410184	0.28	
410185	0.04	
410186	0.44	
410187	0.01	
410188	0.02	
410189	0.09	
410190	0.40	
410191	0.04	
410192	<0.01	
410193	<0.01	
410194	0.09	
410195	<0.01	
410196	1.07	
410197	<0.01	
410198	<0.01	
410199	0.21	
410200	<0.01	
410201	<0.01	
410202	<0.01	
410203	<0.01	
410204	<0.01	
410205	<0.01	

184, Principale - C.P. 208, Ste-Germaine-Boulé (Québec) J0Z 1M0 **Téléphone : 819 787-6116 • Télécopieur : 819 787-6527** Courriel : infoquebec@actlabs.com

TECHNI-LAB
pyroanalyse
géochimie
environnement

CERTIFICAT D'ANALYSE

À l'attention de Madame Michelle Sciortino

Client True North Nickel
375, bay street, suite 800
Toronto (On) M5H 2T7

Tél.: 416-363-1649 #233

Date d'émission: 13 oct. 2017
Date de réception : 23 août 2017
Date d'analyses : 28 sept. 2017
Projet : Qiqavik
Commande 17-QK-Core-06
Certificat : 39146

Échantillon #	Au g/t AA	Au g/t >10.0 g/t Gravimétrie
Méthode utilisée:	*TMT-G5B*	*TMT-G5C*
410206	<0.01	
410207	<0.01	
410208	<0.01	
410209	0.01	
410210	<0.01	
410211	<0.01	
410212	0.05	
410213	0.31	
410214	0.20	
410215	9.10	
410216	0.15	
410217	0.38	
410218	<0.01	
410219	0.02	
410220	<0.01	
410221	<0.01	
410222	<0.01	
410223	0.02	
409887-Dup	<0.01	
409906-Dup	<0.01	
409927-Dup	0.01	
409942-Dup	0.02	
409965-Dup	<0.01	
409982-Dup	<0.01	
410003-Dup	<0.01	
410028-Dup	0.03	
410034-Dup	0.01	
410045-Dup	0.02	
410064-Dup	0.23	
410075-Dup	<0.01	
410096-Dup	0.02	

184, Principale - C.P. 208, Ste-Germaine-Boulé (Québec) J0Z 1M0 **Téléphone : 819 787-6116 • Télécopieur : 819 787-6527** Courriel : infoquebec@actlabs.com

CERTIFICAT D'ANALYSE

TECHNI-LAB
pyroanalyse
géochimie
environnement

À l'attention de Madame Michelle Sciortino

Client True North Nickel
375, bay street, suite 800
Toronto (On) M5H 2T7

Tél.: 416-363-1649 #233

Date d'émission: 13 oct. 2017
Date de réception : 23 août 2017
Date d'analyses : 28 sept. 2017
Projet : Qiqavik
Commande 17-QK-Core-06
Certificat : 39146

Échantillon #	Au g/t AA	Au g/t >10.0 g/t Gravimétrie
Méthode utilisée:	*TMT-G5B*	*TMT-G5C*
410112-Dup	0.01	
410149-Dup	1.77	
410171-Dup	0.02	
410195-Dup	<0.01	
410216-Dup	0.17	
OXN 134	7.59	
OXN 134	7.74	
OXN 134	7.86	
OXN 134	7.57	
OXN 134	7.65	
OXN 134	7.81	
OXN 134	7.81	
OXN 134	7.58	
OXN 134	7.76	
OXN 134	7.31	
OXN 134	7.68	
OXN 134	7.85	
OXN 134	7.52	
OXN 134	7.80	
OXN 134	7.53	
OXN 134	8.09	
OXN 134	7.45	
OXN 134	7.58	
SF 85	0.88	
SF 85	0.87	
SF 85	0.88	
SF 85	0.81	
SF 85	0.86	
SF 85	0.84	
SF 85	0.86	
SF 85	0.83	
SF 85	0.86	

184, Principale - C.P. 208, Ste-Germaine-Boulé (Québec) J0Z 1M0 **Téléphone : 819 787-6116 • Télécopieur : 819 787-6527** Courriel : infoquebec@actlabs.com

TECHNI-LAB
pyroanalyse
géochimie
environnement

CERTIFICAT D'ANALYSE

À l'attention de Madame Michelle Sciortino

Client True North Nickel
375, bay street, suite 800
Toronto (On) M5H 2T7

Tél.: 416-363-1649 #233

Date d'émission: 13 oct. 2017
Date de réception : 23 août 2017
Date d'analyses : 28 sept. 2017
Projet : Qiqavik
Commande 17-QK-Core-06
Certificat : 39146

Échantillon #	Au g/t AA	Au g/t >10.0 g/t Gravimétrie
Méthode utilisée:	*TMT-G5B*	*TMT-G5C*
SF 85	0.87	
SF 85	0.87	
SF 85	0.90	
SF 85	0.88	
SF 85	0.88	
SF 85	0.86	
SF 85	0.87	
SF 85	0.88	
SF 85	0.85	
SF 85	0.88	
OXK 119		3.78
OXP 116		15.55
OXQ 90		25.38

184, Principale - C.P. 208, Ste-Germaine-Boulé (Québec) J0Z 1M0 **Téléphone : 819 787-6116 • Télécopieur : 819 787-6527** Courriel : infoquebec@actlabs.com

TECHNI-LAB
S.G.B. Abitibi inc.
Pyroanalyse, Géochimie, Environnement

CERTIFICAT D'ANALYSE

Méthode spéciale

Or grossier "Métallics Sieve"

À l'attention de Madame Michelle Sciortino

Client True North Nickel
375, bay street, suite 800
Toronto (On) M5H 2T7

Date de réception 23 août 2017
Projet Qiqavik
Certificat 39146

Échantillon #	Poids total (g)	Poids utilisé (g)	Metallic + (140) (g)	Metallic - (140) (g)	Metallic + (140) g/t	Pulpe - (140) g/t	Metallics %	Pulpe %	Teneure globale g/t
410139	352.3	351.8	92.5	259.3	12.51	3.02	26.29	73.71	5.51

184, Principale - C.P. 208 Ste-Germaine-Boulé (Québec) J0Z 1M0 **Téléphone : 819 787-6116 • Télécopieur : 819 787-6527** Courriel : infoquebec@actlabs.com

CERTIFICAT D'ANALYSE - ANNEXE 1

TECHNI-LAB
pyroanalyse
géochimie
environnement

À l'attention de Madame Michelle Sciortino

Client: True North Nickel
375, bay street, suite 800
Toronto (On) M5H 2T7

416-363-1649 #233

Date d'émission: 13 oct. 2017
Date de réception: 23 août 2017
Date d'analyse: 28 sept. 2017
Projet: Qiqavik
Commande 17-QK-Core-06
Certificat: 39146

MÉTHODE ACCRÉDITÉE

TMT-G5B	Or analysé par spectrométrie d'absorption atomique précédé d'une pyroanalyse
TMT-G5C	Or finition par gravimétrie précédé d'une pyroanalyse
TMT-G5F	Analyse multiélément par ICP-OES avec digestion d'Aqua Regia
TMT-G5I	Or, Palladium et Platine analysés par ICP-OES précédés d'une pyroanalyse

MÉTHODE NON ACCRÉDITÉE

TMT-G5G	Argent par Gravimétrie
TMT-G2	Densité
TMT-G5Z	Titration du Zinc pour concentré

MÉTHODE ACCRÉDITÉE PAR LE CCN

Méthode	*Paramètre*	*Limite de détection*	*Méthode*	*Paramètre*	*Limite de détection*
TMT-G5B	Au ppb (5 ml)	8	TMT-G5F	Ag ppm	0.3
TMT-G5B	Au g/t (10 ml)	0.01	TMT-G5F	Co ppm	2
TMT-G5C	Au gravimétrie g/t	0.08	TMT-G5F	Cu ppm	1
TMT-G5I	Au ppb	2	TMT-G5F	Ni ppm	2
TMT-G5I	Pd ppb	4	TMT-G5F	Pb ppm	3
TMT-G5I	Pt ppb	4	TMT-G5F	Zn ppm	1

Ce rapport est pour l'usage exclusif du client et ne peut être reproduit, sinon en entier, sans l'autorisation écrite de Techni-Lab S.G.B. Abitibi inc.

SCC Accredited LAB
LAB Accrédité CCN
LAB 707

184, Principale - C.P. 208, Ste-Germaine-Boulé (Québec) J0Z 1M0 **Téléphone : 819 787-6116 • Télécopieur : 819 787-6527** Courriel : infoquebec@actlabs.com

TECHNI-LAB
pyroanalyse
géochimie
environnement

Client : Madame Michelle Sciortino
True North Nickel
375, bay street, suite 800
Toronto (On) M5H 2T7

Date d'émission: 27 sept. 2017
Date de réception: 30 août 2017
Date d'analyses: 14 sept. 2017
Projet: Qiqavik
Commande 17-QK-Core-07
Certificat: 39185

CERTIFICAT D'ANALYSE

545 échantillons de carottes ont été reçus pour analyses.

Notes :

Ce certificat remplace et annule tous certificats antérieurs, le cas échéant.

® Ce document est pour l'usage exclusif du client et ne peut être reproduit, sinon en entier, sans l'autorisation écrite de Techni-Lab S. G. B. Abitibi inc. Si vous avez reçu ce certificat par erreur, soyez avisé que tout usage, reproduction ou distribution de celui-ci est strictement interdit. Les échantillons seront conservés pendant 30 jours à partir de la date du certificat à moins d'avis écrit du client.

® Les résultats d'essai ne se rapportent qu'aux objets soumis à l'essai tels qu'ils ont été reçus par le laboratoire.

SCC Accredited LAB
LAB Accrédité CCN
LAB 707

Les résultats des échantillons sont vérifiés et approuvés par :

Vanessa Perreault

Vanessa PERREAULT, Chimiste 2015-121

CHIMISTE
Vanessa Perreault
2015-121
QUÉBEC

CERTIFICAT D'ANALYSE

TECHNI-LAB
pyroanalyse
géochimie
environnement

À l'attention de Madame Michelle Sciortino

Client True North Nickel
375, bay street, suite 800
Toronto (On) M5H 2T7

Tél.: 416-363-1649 #233

Date d'émission: 27 sept. 2017
Date de réception : 30 août 2017
Date d'analyses : 14 sept. 2017
Projet : Qiqavik
Commande 17-QK-Core-07
Certificat : 39185

Échantillon #	Au g/t AA	Au g/t >10.0 g/t Gravimétrie
Méthode utilisée:	*TMT-G5B*	*TMT-G5C*
410224	<0.01	
410225	<0.01	
410226	<0.01	
410227	<0.01	
410228	<0.01	
410229	<0.01	
410230	1.14	
410231	<0.01	
410232	<0.01	
410233	<0.01	
410234	0.26	
410235	0.01	
410236	0.09	
410237	0.02	
410238	0.02	
410239	<0.01	
410240	<0.01	
410241	<0.01	
410242	<0.01	
410243	<0.01	
410244	<0.01	
410245	<0.01	
410246	<0.01	
410247	0.02	
410248	<0.01	
410249	<0.01	
410250	<0.01	
410251	<0.01	
410252	0.47	
410253	<0.01	
410254	<0.01	
410255	<0.01	
410256	<0.01	
410257	<0.01	

184, Principale - C.P. 208, Ste-Germaine-Boulé (Québec) J0Z 1M0 **Téléphone : 819 787-6116 • Télécopieur : 819 787-6527** Courriel : infoquebec@actlabs.com

CERTIFICAT D'ANALYSE

TECHNI-LAB
pyroanalyse
géochimie
environnement

À l'attention de Madame Michelle Sciortino

Client True North Nickel
375, bay street, suite 800
Toronto (On) M5H 2T7

Tél.: 416-363-1649 #233

Date d'émission: 27 sept. 2017
Date de réception : 30 août 2017
Date d'analyses : 14 sept. 2017
Projet : Qiqavik
Commande 17-QK-Core-07
Certificat : 39185

Échantillon #	Au g/t AA	Au g/t >10.0 g/t Gravimétrie
Méthode utilisée:	*TMT-G5B*	*TMT-G5C*
410258	0.01	
410259	<0.01	
410260	0.39	
410261	<0.01	
410262	<0.01	
410263	<0.01	
410264	<0.01	
410265	<0.01	
410266	<0.01	
410267	<0.01	
410268	<0.01	
410269	0.12	
410270	<0.01	
410271	0.17	
410272	<0.01	
410273	0.02	
410274	0.03	
410275	<0.01	
410276	<0.01	
410277	<0.01	
410278	0.01	
410279	<0.01	
410280	<0.01	
410281	<0.01	
410282	<0.01	
410283	<0.01	
410284	<0.01	
410285	<0.01	
410286	<0.01	
410287	0.02	
410288	0.02	
410289	<0.01	
410290	2.30	
410291	<0.01	

184, Principale - C.P. 208, Ste-Germaine-Boulé (Québec) J0Z 1M0 **Téléphone : 819 787-6116 • Télécopieur : 819 787-6527** Courriel : infoquebec@actlabs.com

CERTIFICAT D'ANALYSE

TECHNI-LAB
pyroanalyse
géochimie
environnement

À l'attention de Madame Michelle Sciortino

Client True North Nickel
375, bay street, suite 800
Toronto (On) M5H 2T7

Tél.: 416-363-1649 #233

Date d'émission: 27 sept. 2017
Date de réception : 30 août 2017
Date d'analyses : 14 sept. 2017
Projet : Qiqavik
Commande 17-QK-Core-07
Certificat : 39185

Échantillon #	Au g/t AA	Au g/t >10.0 g/t Gravimétrie
Méthode utilisée:	*TMT-G5B*	*TMT-G5C*
410292	<0.01	
410293	<0.01	
410294	<0.01	
410295	<0.01	
410296	<0.01	
410297	<0.01	
410298	<0.01	
410299	<0.01	
410300	<0.01	
410301	<0.01	
410302	<0.01	
410303	<0.01	
410304	<0.01	
410305	<0.01	
410306	<0.01	
410307	<0.01	
410308	<0.01	
410309	<0.01	
410310	<0.01	
410311	<0.01	
410312	0.07	
410313	0.05	
410314	0.02	
410315	0.05	
410316	<0.01	
410317	<0.01	
410318	0.20	
410319	<0.01	
410320	1.19	
410321	0.04	
410322	0.18	
410323	0.02	
410324	0.09	
410325	0.11	

184, Principale - C.P. 208, Ste-Germaine-Boulé (Québec) J0Z 1M0 **Téléphone : 819 787-6116 • Télécopieur : 819 787-6527** Courriel : infoquebec@actlabs.com

TECHNI-LAB
pyroanalyse
géochimie
environnement

CERTIFICAT D'ANALYSE

À l'attention de Madame Michelle Sciortino

Client True North Nickel
375, bay street, suite 800
Toronto (On) M5H 2T7

Tél.: 416-363-1649 #233

Date d'émission: 27 sept. 2017
Date de réception : 30 août 2017
Date d'analyses : 14 sept. 2017
Projet : Qiqavik
Commande 17-QK-Core-07
Certificat : 39185

Échantillon #	Au g/t AA	Au g/t >10.0 g/t Gravimétrie
Méthode utilisée:	*TMT-G5B*	*TMT-G5C*
410326	<0.01	
410327	0.01	
410328	0.08	
410329	0.02	
410330	<0.01	
410331	<0.01	
410332	<0.01	
410333	<0.01	
410334	<0.01	
410335	0.01	
410336	<0.01	
410337	<0.01	
410338	<0.01	
410339	0.04	
410340	0.01	
410341	<0.01	
410342	<0.01	
410343	0.01	
410344	0.02	
410345	<0.01	
410346	<0.01	
410347	<0.01	
410348	<0.01	
410349	0.01	
410350	0.38	
410351	<0.01	
410352	<0.01	
410353	<0.01	
410354	<0.01	
410355	<0.01	
410356	<0.01	
410357	<0.01	
410358	<0.01	
410359	<0.01	

184, Principale - C.P. 208, Ste-Germaine-Boulé (Québec) J0Z 1M0 **Téléphone : 819 787-6116 • Télécopieur : 819 787-6527** Courriel : infoquebec@actlabs.com

CERTIFICAT D'ANALYSE

TECHNI-LAB
pyroanalyse
géochimie
environnement

À l'attention de Madame Michelle Sciortino

Client True North Nickel
375, bay street, suite 800
Toronto (On) M5H 2T7

Tél.: 416-363-1649 #233

Date d'émission: 27 sept. 2017
Date de réception : 30 août 2017
Date d'analyses : 14 sept. 2017
Projet : Qiqavik
Commande 17-QK-Core-07
Certificat : 39185

Échantillon #	Au g/t AA	Au g/t >10.0 g/t Gravimétrie
Méthode utilisée:	*TMT-G5B*	*TMT-G5C*
410360	<0.01	
410361	<0.01	
410362	<0.01	
410363	<0.01	
410364	<0.01	
410365	<0.01	
410366	<0.01	
410367	<0.01	
410368	<0.01	
410369	0.06	
410370	0.39	
410371	<0.01	
410372	0.01	
410373	<0.01	
410374	<0.01	
410375	<0.01	
410376	<0.01	
410377	<0.01	
410378	<0.01	
410379	<0.01	
410380	<0.01	
410381	<0.01	
410382	<0.01	
410383	0.01	
410384	<0.01	
410385	<0.01	
410386	<0.01	
410387	<0.01	
410388	<0.01	
410389	<0.01	
410390	<0.01	
410391	<0.01	
410392	<0.01	
410393	<0.01	

184, Principale - C.P. 208, Ste-Germaine-Boulé (Québec) J0Z 1M0 **Téléphone : 819 787-6116 • Télécopieur : 819 787-6527** Courriel : infoquebec@actlabs.com

CERTIFICAT D'ANALYSE

TECHNI-LAB
pyroanalyse
géochimie
environnement

À l'attention de Madame Michelle Sciortino

Client True North Nickel
375, bay street, suite 800
Toronto (On) M5H 2T7

Tél.: 416-363-1649 #233

Date d'émission: 27 sept. 2017
Date de réception : 30 août 2017
Date d'analyses : 14 sept. 2017
Projet : Qiqavik
Commande 17-QK-Core-07
Certificat : 39185

Échantillon #	Au g/t AA	Au g/t >10.0 g/t Gravimétrie
Méthode utilisée:	*TMT-G5B*	*TMT-G5C*
410394	<0.01	
410395	<0.01	
410396	<0.01	
410397	<0.01	
410398	<0.01	
410399	<0.01	
410400	2.51	
410401	<0.01	
410402	0.01	
410403	<0.01	
410404	<0.01	
410405	<0.01	
410406	<0.01	
410407	<0.01	
410408	<0.01	
410409	0.01	
410410	<0.01	
410411	<0.01	
410412	<0.01	
410413	0.02	
410414	<0.01	
410415	<0.01	
410416	<0.01	
410417	<0.01	
410418	<0.01	
410419	<0.01	
410420	<0.01	
410421	<0.01	
410422	<0.01	
410423	<0.01	
410424	<0.01	
410425	<0.01	
410426	<0.01	
410427	<0.01	

TECHNI-LAB
pyroanalyse
géochimie
environnement

CERTIFICAT D'ANALYSE

À l'attention de Madame Michelle Sciortino

Client True North Nickel
375, bay street, suite 800
Toronto (On) M5H 2T7

Tél.: 416-363-1649 #233

Date d'émission: 27 sept. 2017
Date de réception : 30 août 2017
Date d'analyses : 14 sept. 2017
Projet : Qiqavik
Commande 17-QK-Core-07
Certificat : 39185

Échantillon #	Au g/t AA	Au g/t >10.0 g/t Gravimétrie
Méthode utilisée:	*TMT-G5B*	*TMT-G5C*
410428	<0.01	
410429	<0.01	
410430	0.41	
410431	<0.01	
410432	<0.01	
410433	<0.01	
410434	<0.01	
410435	<0.01	
410436	<0.01	
410437	<0.01	
410438	<0.01	
410439	<0.01	
410440	<0.01	
410441	<0.01	
410442	<0.01	
410443	0.02	
410444	0.25	
410445	0.02	
410446	<0.01	
410447	<0.01	
410448	<0.01	
410449	<0.01	
410450	2.63	
410451	<0.01	
410452	<0.01	
410453	<0.01	
410454	0.03	
410455	0.02	
410456	<0.01	
410457	<0.01	
410458	<0.01	
410459	<0.01	
410460	<0.01	
410461	<0.01	

184, Principale - C.P. 208, Ste-Germaine-Boulé (Québec) J0Z 1M0 **Téléphone : 819 787-6116 • Télécopieur : 819 787-6527** Courriel : infoquebec@actlabs.com

CERTIFICAT D'ANALYSE

TECHNI-LAB
pyroanalyse
géochimie
environnement

À l'attention de Madame Michelle Sciortino

Client True North Nickel
375, bay street, suite 800
Toronto (On) M5H 2T7

Tél.: 416-363-1649 #233

Date d'émission: 27 sept. 2017
Date de réception : 30 août 2017
Date d'analyses : 14 sept. 2017
Projet : Qiqavik
Commande 17-QK-Core-07
Certificat : 39185

Échantillon #	Au g/t AA	Au g/t >10.0 g/t Gravimétrie
Méthode utilisée:	*TMT-G5B*	*TMT-G5C*
410462	<0.01	
410463	<0.01	
410464	<0.01	
410465	<0.01	
410466	<0.01	
410467	<0.01	
410468	<0.01	
410469	<0.01	
410470	<0.01	
410471	<0.01	
410472	<0.01	
410473	<0.01	
410474	<0.01	
410475	<0.01	
410476	<0.01	
410477	<0.01	
410478	<0.01	
410479	<0.01	
410480	1.16	
410481	<0.01	
410482	<0.01	
410483	<0.01	
410484	<0.01	
410485	<0.01	
410486	<0.01	
410487	<0.01	
410488	<0.01	
410489	<0.01	
410490	<0.01	
410491	<0.01	
410492	0.01	
410493	<0.01	
410494	<0.01	
410495	<0.01	

184, Principale - C.P. 208, Ste-Germaine-Boulé (Québec) J0Z 1M0 **Téléphone : 819 787-6116 • Télécopieur : 819 787-6527** Courriel : infoquebec@actlabs.com

CERTIFICAT D'ANALYSE

TECHNI-LAB
pyroanalyse
géochimie
environnement

À l'attention de Madame Michelle Sciortino

Client True North Nickel
375, bay street, suite 800
Toronto (On) M5H 2T7

Tél.: 416-363-1649 #233

Date d'émission: 27 sept. 2017
Date de réception : 30 août 2017
Date d'analyses : 14 sept. 2017
Projet : Qiqavik
Commande 17-QK-Core-07
Certificat : 39185

Échantillon #	Au g/t AA	Au g/t >10.0 g/t Gravimétrie
Méthode utilisée:	*TMT-G5B*	*TMT-G5C*
410496	<0.01	
410497	0.01	
410498	0.12	
410499	0.26	
410500	0.20	
410501	<0.01	
410502	0.01	
410503	0.02	
410504	<0.01	
410505	<0.01	
410506	0.01	
410507	0.32	
410508	0.64	
410509	0.80	
410510	1.00	
410511	0.17	
410512	<0.01	
410513	<0.01	
410514	<0.01	
410515	0.08	
410516	0.13	
410517	0.41	
410518	0.10	
410519	0.04	
410520	<0.01	
410521	0.05	
410522	0.04	
410523	<0.01	
410524	<0.01	
410525	0.35	
410526	<0.01	
410527	0.06	
410528	0.11	
410529	0.25	

184, Principale - C.P. 208, Ste-Germaine-Boulé (Québec) J0Z 1M0 **Téléphone : 819 787-6116 • Télécopieur : 819 787-6527** Courriel : infoquebec@actlabs.com

CERTIFICAT D'ANALYSE

TECHNI-LAB
pyroanalyse
géochimie
environnement

À l'attention de Madame Michelle Sciortino

Client True North Nickel
375, bay street, suite 800
Toronto (On) M5H 2T7

Tél.: 416-363-1649 #233

Date d'émission: 27 sept. 2017
Date de réception : 30 août 2017
Date d'analyses : 14 sept. 2017
Projet : Qiqavik
Commande 17-QK-Core-07
Certificat : 39185

Échantillon #	Au g/t AA	Au g/t >10.0 g/t Gravimétrie
Méthode utilisée:	*TMT-G5B*	*TMT-G5C*
410530	0.27	
410531	0.05	
410532	0.02	
410533	0.03	
410534	0.07	
410535	<0.01	
410536	<0.01	
410537	0.02	
410538	0.19	
410539	0.01	
410540	0.02	
410541	0.03	
410542	<0.01	
410543	0.04	
410544	0.09	
410545	0.02	
410546	0.03	
410547	0.14	
410548	1.02	
410549	0.46	
410550	0.40	
410551	0.04	
410552	0.02	
410553	0.09	
410554	<0.01	
410555	0.01	
410556	0.01	
410557	0.04	
410558	<0.01	
410559	<0.01	
410560	<0.01	
410561	<0.01	
410562	<0.01	
410563	0.04	

184, Principale - C.P. 208, Ste-Germaine-Boulé (Québec) J0Z 1M0 **Téléphone : 819 787-6116 • Télécopieur : 819 787-6527** Courriel : infoquebec@actlabs.com

TECHNI-LAB
pyroanalyse
géochimie
environnement

CERTIFICAT D'ANALYSE

À l'attention de Madame Michelle Sciortino

Client True North Nickel
375, bay street, suite 800
Toronto (On) M5H 2T7

Tél.: 416-363-1649 #233

Date d'émission: 27 sept. 2017
Date de réception : 30 août 2017
Date d'analyses : 14 sept. 2017
Projet : Qiqavik
Commande 17-QK-Core-07
Certificat : 39185

Échantillon #	Au g/t AA	Au g/t >10.0 g/t Gravimétrie
Méthode utilisée:	*TMT-G5B*	*TMT-G5C*
410564	<0.01	
410565	<0.01	
410566	<0.01	
410567	<0.01	
410568	0.01	
410569	<0.01	
410570	9.58	
410571	<0.01	
410572	<0.01	
410573	<0.01	
410574	<0.01	
410575	<0.01	
410576	<0.01	
410577	<0.01	
410578	<0.01	
410579	0.01	
410580	<0.01	
410581	<0.01	
410582	0.09	
410583	0.04	
410584	0.02	
410585	<0.01	
410586	<0.01	
410587	<0.01	
410588	0.02	
410589	<0.01	
410590	<0.01	
410591	0.04	
410592	0.06	
410593	<0.01	
410594	0.02	
410595	<0.01	
410596	0.57	
410597	<0.01	

184, Principale - C.P. 208, Ste-Germaine-Boulé (Québec) J0Z 1M0 **Téléphone : 819 787-6116 • Télécopieur : 819 787-6527** Courriel : infoquebec@actlabs.com

CERTIFICAT D'ANALYSE

TECHNI-LAB
pyroanalyse
géochimie
environnement

À l'attention de Madame Michelle Sciortino

Client True North Nickel
375, bay street, suite 800
Toronto (On) M5H 2T7

Tél.: 416-363-1649 #233

Date d'émission: 27 sept. 2017
Date de réception : 30 août 2017
Date d'analyses : 14 sept. 2017
Projet : Qiqavik
Commande 17-QK-Core-07
Certificat : 39185

Échantillon #	Au g/t AA	Au g/t >10.0 g/t Gravimétrie
Méthode utilisée:	*TMT-G5B*	*TMT-G5C*
410598	<0.01	
410599	<0.01	
410600	1.18	
410601	<0.01	
410602	<0.01	
410603	<0.01	
410604	<0.01	
410605	<0.01	
410606	<0.01	
410607	<0.01	
410608	<0.01	
410609	<0.01	
410610	<0.01	
410611	<0.01	
410612	<0.01	
410613	<0.01	
410614	<0.01	
410615	<0.01	
410616	<0.01	
410617	<0.01	
410618	<0.01	
410619	<0.01	
410620	<0.01	
410621	<0.01	
410622	<0.01	
410623	<0.01	
410624	<0.01	
410625	<0.01	
410626	<0.01	
410627	<0.01	
410628	<0.01	
410629	0.01	
410630	<0.01	
410631	0.02	

CERTIFICAT D'ANALYSE

TECHNI-LAB
pyroanalyse
géochimie
environnement

À l'attention de Madame Michelle Sciortino

Client True North Nickel
375, bay street, suite 800
Toronto (On) M5H 2T7

Tél.: 416-363-1649 #233

Date d'émission: 27 sept. 2017
Date de réception : 30 août 2017
Date d'analyses : 14 sept. 2017
Projet : Qiqavik
Commande 17-QK-Core-07
Certificat : 39185

Échantillon #	Au g/t AA	Au g/t >10.0 g/t Gravimétrie
Méthode utilisée:	*TMT-G5B*	*TMT-G5C*
410632	<0.01	
410633	<0.01	
410634	<0.01	
410635	<0.01	
410636	<0.01	
410637	0.31	
410638	0.01	
410639	<0.01	
410640	0.02	
410641	0.02	
410642	0.06	
410643	0.03	
410644	0.03	
410645	0.06	
410646	0.02	
410647	0.38	
410648	1.44	
410649	0.01	
410650	1.14	
410651	2.02	
410652	0.27	
410653	0.17	
410654	<0.01	
410655	0.13	
410656	0.12	
410657	<0.01	
410658	<0.01	
410659	<0.01	
410660	<0.01	
410661	0.05	
410662	<0.01	
410663	0.02	
410664	<0.01	
410665	<0.01	

184, Principale - C.P. 208, Ste-Germaine-Boulé (Québec) J0Z 1M0 **Téléphone : 819 787-6116 • Télécopieur : 819 787-6527** Courriel : infoquebec@actlabs.com

TECHNI-LAB
pyroanalyse
géochimie
environnement

CERTIFICAT D'ANALYSE

À l'attention de Madame Michelle Sciortino

Client True North Nickel
375, bay street, suite 800
Toronto (On) M5H 2T7

Tél.: 416-363-1649 #233

Date d'émission: 27 sept. 2017
Date de réception : 30 août 2017
Date d'analyses : 14 sept. 2017
Projet : Qiqavik
Commande 17-QK-Core-07
Certificat : 39185

Échantillon #	Au g/t AA	Au g/t >10.0 g/t Gravimétrie
Méthode utilisée:	*TMT-G5B*	*TMT-G5C*
410666	<0.01	
410667	<0.01	
410668	0.06	
410669	<0.01	
410670	<0.01	
410671	<0.01	
410672	<0.01	
410673	0.02	
410674	<0.01	
410675	<0.01	
410676	<0.01	
410677	<0.01	
410678	<0.01	
410679	<0.01	
410680	1.17	
410681	<0.01	
410682	<0.01	
410683	<0.01	
410684	0.02	
410685	<0.01	
410686	<0.01	
410687	<0.01	
410688	0.03	
410689	<0.01	
410690	<0.01	
410691	<0.01	
410692	<0.01	
410693	<0.01	
410694	<0.01	
410695	9.06	
410696	<0.01	
410697	<0.01	
410698	<0.01	
410699	<0.01	

TECHNI-LAB
pyroanalyse
géochimie
environnement

CERTIFICAT D'ANALYSE

À l'attention de Madame Michelle Sciortino

Client True North Nickel
375, bay street, suite 800
Toronto (On) M5H 2T7

Tél.: 416-363-1649 #233

Date d'émission: 27 sept. 2017
Date de réception : 30 août 2017
Date d'analyses : 14 sept. 2017
Projet : Qiqavik
Commande 17-QK-Core-07
Certificat : 39185

Échantillon #	Au g/t AA	Au g/t >10.0 g/t Gravimétrie
Méthode utilisée:	*TMT-G5B*	*TMT-G5C*
410700	<0.01	
410701	<0.01	
410702	<0.01	
410703	<0.01	
410704	<0.01	
410705	<0.01	
410706	<0.01	
410707	<0.01	
410708	0.09	
410709	<0.01	
410710	1.14	
410711	<0.01	
410712	<0.01	
410713	<0.01	
410714	<0.01	
410715	<0.01	
410716	<0.01	
410717	<0.01	
410718	0.09	
410719	<0.01	
410720	<0.01	
410721	<0.01	
410722	<0.01	
410723	<0.01	
410724	<0.01	
410725	0.02	
410726	<0.01	
410727	<0.01	
410728	<0.01	
410729	<0.01	
410730	<0.01	
410731	0.05	
410732	<0.01	
410733	<0.01	

184, Principale - C.P. 208, Ste-Germaine-Boulé (Québec) J0Z 1M0 **Téléphone : 819 787-6116 • Télécopieur : 819 787-6527** Courriel : infoquebec@actlabs.com

CERTIFICAT D'ANALYSE

TECHNI-LAB
pyroanalyse
géochimie
environnement

À l'attention de Madame Michelle Sciortino

Client True North Nickel
375, bay street, suite 800
Toronto (On) M5H 2T7

Tél.: 416-363-1649 #233

Date d'émission: 27 sept. 2017
Date de réception : 30 août 2017
Date d'analyses : 14 sept. 2017
Projet : Qiqavik
Commande 17-QK-Core-07
Certificat : 39185

Échantillon #	Au g/t AA	Au g/t >10.0 g/t Gravimétrie
Méthode utilisée:	*TMT-G5B*	*TMT-G5C*
410734	<0.01	
410735	0.01	
410736	<0.01	
410737	0.02	
410738	0.01	
410739	0.01	
410740	0.39	
410741	<0.01	
410742	<0.01	
410743	<0.01	
410744	<0.01	
410745	<0.01	
410746	<0.01	
410747	<0.01	
410748	<0.01	
410749	<0.01	
410750	0.97	
410751	<0.01	
410752	<0.01	
410753	<0.01	
410754	<0.01	
410755	<0.01	
410756	<0.01	
410757	<0.01	
410758	<0.01	
410759	<0.01	
410760	<0.01	
410761	<0.01	
410762	<0.01	
410763	<0.01	
410764	<0.01	
410765	0.02	
410766	0.04	
410767	<0.01	

184, Principale - C.P. 208, Ste-Germaine-Boulé (Québec) J0Z 1M0 **Téléphone : 819 787-6116 • Télécopieur : 819 787-6527** Courriel : infoquebec@actlabs.com

CERTIFICAT D'ANALYSE

TECHNI-LAB
pyroanalyse
géochimie
environnement

À l'attention de Madame Michelle Sciortino

Client True North Nickel
375, bay street, suite 800
Toronto (On) M5H 2T7

Tél.: 416-363-1649 #233

Date d'émission: 27 sept. 2017
Date de réception : 30 août 2017
Date d'analyses : 14 sept. 2017
Projet : Qiqavik
Commande 17-QK-Core-07
Certificat : 39185

Échantillon #	Au g/t AA	Au g/t >10.0 g/t Gravimétrie
Méthode utilisée:	*TMT-G5B*	*TMT-G5C*
410768	<0.01	
410231-Dup	<0.01	
410251-Dup	<0.01	
410276-Dup	<0.01	
410289-Dup	<0.01	
410311-Dup	<0.01	
410332-Dup	<0.01	
410351-Dup	<0.01	
410371-Dup	<0.01	
410395-Dup	<0.01	
410416-Dup	<0.01	
410437-Dup	<0.01	
410452-Dup	<0.01	
410473-Dup	<0.01	
410494-Dup	<0.01	
410514-Dup	<0.01	
410530-Dup	0.24	
410551-Dup	0.03	
410571-Dup	<0.01	
410596-Dup	0.58	
410599-Dup	<0.01	
410617-Dup	<0.01	
410634-Dup	<0.01	
410651-Dup	2.09	
410675-Dup	<0.01	
410696-Dup	<0.01	
410717-Dup	<0.01	
410738-Dup	0.01	
410754-Dup	<0.01	
OXN 117	7.84	
OXN 117	7.78	
OXN 117	7.59	
OXN 117	7.76	

184, Principale - C.P. 208, Ste-Germaine-Boulé (Québec) J0Z 1M0 **Téléphone : 819 787-6116 • Télécopieur : 819 787-6527** Courriel : infoquebec@actlabs.com

CERTIFICAT D'ANALYSE

TECHNI-LAB
pyroanalyse
géochimie
environnement

À l'attention de Madame Michelle Sciortino

Client True North Nickel
375, bay street, suite 800
Toronto (On) M5H 2T7

Tél.: 416-363-1649 #233

Date d'émission: 27 sept. 2017
Date de réception : 30 août 2017
Date d'analyses : 14 sept. 2017
Projet : Qiqavik
Commande 17-QK-Core-07
Certificat : 39185

Échantillon #	Au g/t AA	Au g/t >10.0 g/t Gravimétrie
Méthode utilisée:	*TMT-G5B*	*TMT-G5C*
OXN 117	7.74	
OXN 117	7.68	
OXN 117	7.71	
OXN 117	7.89	
OXN 117	7.81	
OXN 117	7.71	
OXN 117	7.68	
OXN 117	7.22	
OXN 117	7.57	
OXN 117	7.95	
OXN 134	7.90	
OXN 134	7.71	
OXN 134	7.29	
OXN 134	7.59	
OXN 134	7.65	
OXN 134	7.69	
OXN 134	7.62	
OXN 134	7.88	
OXN 134	7.60	
OXN 134	7.92	
OXN 134	7.85	
OXN 134	7.67	
OXN 134	7.67	
OXN 134	7.74	
OXN 134	7.35	
OXN 134	7.74	
OXN 134	7.87	
OXN 134	7.83	
OXN 134	7.84	
OXN 134	7.82	
OXN 134	7.52	
SF 85	0.87	
SF 85	0.89	
SF 85	0.80	

184, Principale - C.P. 208, Ste-Germaine-Boulé (Québec) J0Z 1M0 **Téléphone : 819 787-6116 • Télécopieur : 819 787-6527** Courriel : infoquebec@actlabs.com

CERTIFICAT D'ANALYSE

TECHNI-LAB
pyroanalyse
géochimie
environnement

À l'attention de Madame Michelle Sciortino

Client True North Nickel
375, bay street, suite 800
Toronto (On) M5H 2T7

Tél.: 416-363-1649 #233

Date d'émission: 27 sept. 2017
Date de réception : 30 août 2017
Date d'analyses : 14 sept. 2017
Projet : Qiqavik
Commande 17-QK-Core-07
Certificat : 39185

Échantillon #	Au g/t AA	Au g/t >10.0 g/t Gravimétrie
Méthode utilisée:	*TMT-G5B*	*TMT-G5C*
SF 85	0.84	
SF 85	0.85	
SF 85	0.87	
SF 85	0.84	
SF 85	0.84	
SF 85	0.81	
SF 85	0.86	
SF 85	0.83	
SF 85	0.82	
SF 85	0.85	
SF 85	0.87	
SF 85	0.87	
SF 85	0.87	
SF 85	0.83	
SF 85	0.85	
SF 85	0.87	
SF 85	0.86	
SF 85	0.86	
SF 85	0.89	
SF 85	0.89	
SF 85	0.86	
SF 85	0.89	
SF 85	0.85	
SF 85	0.84	
SF 85	0.88	
SF 85	0.87	
SF 85	0.81	
SF 85	0.83	
SF 85	0.86	
SF 85	0.89	
SF 85	0.85	

184, Principale - C.P. 208, Ste-Germaine-Boulé (Québec) J0Z 1M0 **Téléphone : 819 787-6116 • Télécopieur : 819 787-6527** Courriel : infoquebec@actlabs.com

CERTIFICAT D'ANALYSE - ANNEXE 1

TECHNI-LAB
pyroanalyse
géochimie
environnement

À l'attention de Madame Michelle Sciortino

Client: True North Nickel
375, bay street, suite 800
Toronto (On) M5H 2T7

416-363-1649 #233

Date d'émission: 27 sept. 2017
Date de réception: 30 août 2017
Date d'analyse: 14 sept. 2017
Projet: Qiqavik
Commande 17-QK-Core-07
Certificat: 39185

MÉTHODE ACCRÉDITÉE

TMT-G5B	Or analysé par spectrométrie d'absorption atomique précédé d'une pyroanalyse
TMT-G5C	Or finition par gravimétrie précédé d'une pyroanalyse
TMT-G5F	Analyse multiélément par ICP-OES avec digestion d'Aqua Regia
TMT-G5I	Or, Palladium et Platine analysés par ICP-OES précédés d'une pyroanalyse

MÉTHODE NON ACCRÉDITÉE

TMT-G5G	Argent par Gravimétrie
TMT-G2	Densité
TMT-G5Z	Titration du Zinc pour concentré

MÉTHODE ACCRÉDITÉE PAR LE CCN

Méthode	*Paramètre*	*Limite de détection*	*Méthode*	*Paramètre*	*Limite de détection*
TMT-G5B	Au ppb (5 ml)	8	TMT-G5F	Ag ppm	0.3
TMT-G5B	Au g/t (10 ml)	0.01	TMT-G5F	Co ppm	2
TMT-G5C	Au gravimétrie g/t	0.08	TMT-G5F	Cu ppm	1
TMT-G5I	Au ppb	2	TMT-G5F	Ni ppm	2
TMT-G5I	Pd ppb	4	TMT-G5F	Pb ppm	3
TMT-G5I	Pt ppb	4	TMT-G5F	Zn ppm	1

Ce rapport est pour l'usage exclusif du client et ne peut être reproduit, sinon en entier, sans l'autorisation écrite de Techni-Lab S.G.B. Abitibi inc.

SCC Accredited LAB
LAB
Accrédité CCN
LAB 707

184, Principale - C.P. 208, Ste-Germaine-Boulé (Québec) J0Z 1M0 **Téléphone : 819 787-6116 • Télécopieur : 819 787-6527** Courriel : infoquebec@actlabs.com

Quality Analysis ... *Innovative Technologies*

Date Submitted: 08-Aug-17
Invoice No.: A17-08348
Invoice Date: 24-Oct-17
Your Reference: SG17-1138 38992 TRUE NORTH NICKEL

Techni-Lab Abitibi Inc.(Actlabs)
184 Rue Principale
Ste-Germaine-Boule Quebec J0Z 1M0
Canada

ATTN: Andre Caouette

CERTIFICATE OF ANALYSIS

17 Pulp samples were submitted for analysis.

The following analytical package(s) were requested:

Code 8-Peroxide ICP Sodium Peroxide Fusion ICP

Code Specific Gravity-Pycnometer (Nitrogen) Pulp by Nitrogen Pycnometer

Code UT-4M Total Digestion ICP/MS

REPORT **A17-08348**

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:

Any values for Au are for informational purposes and should be checked by fire assay code 1A2

Footnote: There was insufficient material for sample 411000 to perform Specific Gravity.

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
41 Bittern Street, Ancaster, Ontario, Canada, L9G 4V5
TELEPHONE +905 648-9611 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Ancaster@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Te	Spec Grav	Al	Ag	As	Au	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Cs	Fe	Hf	K	La	Li	Na	Nb
Unit Symbol	ppm	-	%	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm
Lower Limit	0.1	0.01	0.01	0.1	1	100	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.1	0.01	0.1	0.01	0.1	0.1	0.001	0.1
Method Code	TD-MS	GRAV	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
66262	< 0.1	2.71	0.11	7.8	14	100	6	< 1	0.3	0.18	< 0.1	< 1	7.6	287	4510	< 0.1	1.01	< 0.1	0.04	0.3	0.4	0.032	0.2
66263	4.6	2.76	0.12	55.3	41	> 2000	7	< 1	63.7	0.06	191	< 1	6.7	330	5010	< 0.1	1.97	< 0.1	0.04	0.2	0.6	0.030	0.1
66279	< 0.1	3.16	6.15	11.7	7	> 2000	56	< 1	1.7	5.62	1.9	14	38.6	115	> 10000	0.1	13.4	1.8	0.19	6.9	8.9	1.29	2.3
66281	3.4	2.86	7.60	6.9	877	1300	159	< 1	3.9	1.89	2.6	16	646	99	> 10000	0.6	7.94	3.7	2.20	7.3	10.4	2.41	8.0
66780	1.8	2.65	0.58	7.5	32	> 2000	39	< 1	2.5	1.20	4.7	< 1	5.4	334	129	< 0.1	1.08	0.1	0.13	0.4	3.4	0.023	0.4
67201	< 0.1	2.82	2.66	< 0.1	56	< 100	67	< 1	1.4	2.36	< 0.1	8	10.2	145	9.5	0.2	3.79	0.9	1.12	3.4	3.9	0.062	1.7
66524	0.2	2.80	1.94	0.4	4200	500	134	< 1	0.1	1.54	< 0.1	6	9.5	228	159	0.4	2.79	0.5	0.98	2.7	1.2	0.041	1.9
66818	< 0.1	2.78	5.12	16.9	12	< 100	256	1	42.7	0.76	0.5	39	11.2	151	91.4	0.4	3.70	0.6	0.73	17.2	13.4	1.82	< 0.1
402285	0.4	2.79	> 20.0	0.3	2370	2000	610	2	3.4	1.83	1.5	63	6.3	119	58.9	0.7	2.96	5.5	2.18	30.8	8.4	2.38	10.0
402288	< 0.1	2.75	6.15	< 0.1	30	< 100	604	2	0.7	1.58	0.2	51	4.2	122	69.1	0.7	2.11	5.2	1.92	23.0	9.6	2.78	1.3
402302	0.5	2.76	3.71	1.9	949	500	104	1	6.6	1.04	2.7	29	7.5	144	110	0.6	2.48	2.6	1.41	14.8	6.6	0.737	3.8
402338	0.4	2.81	6.60	0.6	1210	200	549	2	3.7	1.84	0.9	64	8.0	116	41.6	1.5	2.62	4.4	2.57	31.2	7.0	0.067	8.2
402347	< 0.1	2.89	3.25	< 0.1	52	< 100	529	2	0.7	3.74	< 0.1	14	15.2	61	43.6	1.0	4.39	4.0	2.46	4.9	10.9	1.28	10.9
402352	4.1	2.77	0.86	25.9	2390	600	104	< 1	65.6	0.22	2.7	8	4.9	307	62.2	0.2	2.18	0.7	0.44	4.0	1.4	0.015	1.4
410998	3.5	2.79	5.95	9.3	13	> 2000	382	1	< 0.1	4.26	0.3	24	11.5	26	69.1	4.2	3.30	2.1	1.86	11.5	45.7	1.41	1.9
410999	< 0.1	2.71	6.19	< 0.1	2	< 100	401	1	< 0.1	1.66	< 0.1	17	5.7	148	12.0	0.8	1.58	1.5	1.39	7.6	9.0	2.83	1.6
411000	0.4		4.27	42.0	99	1000	11	< 1	20.8	1.48	130	26	263	24	> 10000	1.1	16.6	3.2	0.96	9.9	10.5	0.462	4.8

Analyte Symbol	Ni	P	Rb	Pb	S	Mg	Mn	Mo	Sb	Sc	Sn	Sr	Ta	Th	Ti	Tl	U	V	W	Y	Zn	Zr	Cu
Unit Symbol	ppm	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	0.1	0.001	0.1	0.1	1	0.01	1	0.1	0.1	1	0.1	1	0.1	0.1	0.001	0.05	0.1	4	0.1	0.1	1	0.1	0.005
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	FUS-Na2O2
66262	45.6	0.002	1.5	3.5	< 1	0.09	59	20.5	0.9	< 1	0.4	8	< 0.1	< 0.1	0.006	< 0.05	0.5	9	0.8	0.6	8	1.0	
66263	51.2	< 0.001	1.4	> 5000	3	0.06	48	20.0	4.1	< 1	1.0	7	< 0.1	< 0.1	0.006	< 0.05	< 0.1	5	0.6	0.2	> 10000	0.9	
66279	11.3	0.035	3.0	32.3	2	2.53	753	3.4	0.1	17	1.6	341	0.1	1.6	0.338	< 0.05	0.9	179	0.2	9.1	349	57.3	2.44
66281	13.4	0.122	57.3	50.4	3	1.33	488	7.0	0.4	15	2.1	222	0.5	1.1	0.769	0.35	1.2	143	1.1	13.9	306	119	2.51
66780	14.6	0.002	4.2	1730	< 1	0.31	202	20.4	0.6	3	0.7	8	< 0.1	< 0.1	0.036	< 0.05	< 0.1	20	1.6	1.6	318	4.7	
67201	3.2	0.008	25.3	11.5	2	0.31	879	11.7	0.3	2	1.4	39	0.2	0.9	0.040	0.10	0.6	10	1.0	7.7	15	25.0	
66524	9.8	0.021	28.0	9.7	< 1	0.49	438	17.9	7.7	6	0.7	36	0.1	0.4	0.190	0.17	0.3	65	6.3	4.9	13	20.3	
66818	9.6	0.104	29.3	986	< 1	1.13	460	0.8	< 0.1	8	0.6	85	< 0.1	3.2	0.232	0.19	1.3	43	< 0.1	24.3	75	35.2	
402285	7.5	0.054	68.6	28.5	< 1	0.48	547	9.5	5.6	7	3.9	147	0.9	9.9	0.252	0.36	3.0	37	26.7	13.7	186	180	
402288	6.2	0.039	53.0	9.8	< 1	0.32	404	38.1	3.6	5	3.9	111	< 0.1	9.1	0.195	0.34	2.5	26	162	11.5	28	172	
402302	6.9	0.019	50.9	219	2	0.21	264	23.1	8.4	3	2.8	57	0.2	5.9	0.082	0.24	2.0	17	133	11.8	283	82.5	
402338	7.6	0.050	92.8	41.6	< 1	0.53	565	9.2	7.6	7	3.3	72	0.7	10.1	0.235	0.77	3.1	32	19.1	16.4	126	149	
402347	13.9	0.101	45.6	7.6	< 1	0.98	1180	4.3	4.4	3	4.0	152	0.8	0.5	0.511	0.61	0.6	98	16.0	5.1	91	148	
402352	6.3	0.009	14.3	1920	2	0.07	148	17.8	16.9	< 1	1.1	8	< 0.1	1.4	0.030	0.12	0.5	8	4.8	4.4	175	24.7	
410998	11.5	0.068	63.7	18.5	< 1	1.18	873	4.9	2.0	13	0.9	313	< 0.1	3.0	0.297	0.60	0.8	107	1.8	9.9	71	63.4	
410999	24.1	0.020	41.8	7.0	< 1	0.53	258	11.8	< 0.1	6	0.8	319	< 0.1	1.2	0.148	0.25	0.3	41	0.2	5.7	18	49.6	
411000	18.7	0.056	31.5	> 5000	> 10.0	1.25	647	16.0	8.4	8	7.1	24	0.3	2.0	0.139	1.08	1.3	33	4.1	15.5	> 10000	110	3.04

Analyte Symbol	Pb	Zn
Unit Symbol	%	%
Lower Limit	0.01	0.01
Method Code	FUS-Na2O2	FUS-Na2O2
66262		
66263	1.88	2.18
66279		
66281		
66780		
67201		
66524		
66818		
402285		
402288		
402302		
402338		
402347		
402352		
410998		
410999		
411000	0.61	2.35

Analyte Symbol	Te	Spec Grav	Al	Ag	As	Au	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Cs	Fe	Hf	K	La	Li	Na	Nb
Unit Symbol	ppm	-	%	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm
Lower Limit	0.1	0.01	0.01	0.1	1	100	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.1	0.01	0.1	0.01	0.1	0.1	0.001	0.1
Method Code	TD-MS	GRAV	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	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-1 Meas	7.6		2.00	31.5	432	> 2000	712	1	1400	0.87	2.4	15	7.8	18	1160	2.7	25.0	0.5	0.04	7.3	8.3	0.043	0.6
GXR-1 Cert	13.0		3.52	31.0	427	3300	750	1.22	1380	0.960	3.30	17.0	8.20	12.0	1110	3.00	23.6	0.960	0.050	7.50	8.20	0.0520	0.800
DH-1a Meas																							
DH-1a Cert																							
GXR-4 Meas	0.8		6.78	3.5	104	400	104	2	18.1	0.96	0.3	109	13.8	43	6460	2.5	3.20	1.3	3.87	55.9	11.6	0.527	8.7
GXR-4 Cert	0.970		7.20	4.0	98.0	500	1640	1.90	19.0	1.01	0.860	102	14.6	64.0	6520	2.80	3.09	6.30	4.01	64.5	11.1	0.564	10.0
PTM-1a Meas																							
PTM-1a Cert																							
SDC-1 Meas			8.25		< 1		652	3		0.97		83	17.3	57	30.3	3.8	4.83	1.2	2.24	38.0	36.1	1.49	< 0.1
SDC-1 Cert			8.34		0.220		630	3.00		1.00		93.00	18.0	64.00	30.000	4.00	4.82	8.30	2.72	42.00	34.0	1.52	21.00
CD-1 Meas																							
CD-1 Cert																							
Oreas 74a (Fusion) Meas																							
Oreas 74a (Fusion) Cert																							
OREAS 134b (Fusion) Meas																							
OREAS 134b (Fusion) Cert																							
MP-1b Meas																							
MP-1b Cert																							
CPB-2 Meas																							
CPB-2 Cert																							
CZN-4 Meas																							
CZN-4 Cert																							
SBC-1 Meas					25		569	3	0.7		0.4	102	21.4	104	29.0	7.6		3.6		47.0	165		10.0
SBC-1 Cert					25.7		788.0	3.20	0.70		0.40	108.0	22.7	109	31.0000	8.2		3.7		52.5	163		15.3
Arsenic (III) Oxide Meas																							
Arsenic (III) Oxide Cert																							
Arsenic (III) Oxide Meas																							
Arsenic (III) Oxide Cert																							
Arsenic (III) Oxide Meas																							
Arsenic (III) Oxide Cert																							
OREAS 45d (4-Acid) Meas			8.13		7		193	< 1	0.3	0.17		34	29.0	497	358	3.5	14.8	1.5	0.41	15.6	22.3	0.090	0.1
OREAS 45d			8.150		13.8		183.0	0.79	0.31	0.185		37.20	29.50	549	371	3.910	14.5	3.830	0.412	16.9	21.5	0.101	14.50

Analyte Symbol	Te	Spec Grav	Al	Ag	As	Au	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Cs	Fe	Hf	K	La	Li	Na	Nb
Unit Symbol	ppm	-	%	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm
Lower Limit	0.1	0.01	0.01	0.1	1	100	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.1	0.01	0.1	0.01	0.1	0.1	0.001	0.1
Method Code	TD-MS	GRAV	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
(4-Acid) Cert																							
PTC-1b Meas																							
PTC-1b Cert																							
SdAR-M2 (U.S.G.S.) Meas							1070	7	1.0		5.3	92	13.0	45	238	1.8		1.9		43.1	19.1		2.3
SdAR-M2 (U.S.G.S.) Cert							990	6.6	1.05		5.1	98.8	12.4	49.6	236.0000	1.82		7.29		46.6	17.9		26.2
CCU-1e Meas																							
CCU-1e Cert																							
66263 Orig		2.76																					
402338 Orig		2.81																					
411000 Orig	0.4		4.29	42.5	105	1000	11	< 1	21.0	1.54	131	25	266	25	> 10000	1.1	17.0	3.2	0.98	9.5	10.4	0.465	4.9
411000 Dup	0.4		4.26	41.5	93	1000	12	< 1	20.7	1.42	129	26	259	24	> 10000	1.1	16.2	3.2	0.94	10.3	10.6	0.459	4.7
Method Blank			< 0.01	< 0.1	< 1	< 100	< 1	< 1	< 0.1	< 0.01	< 0.1	< 1	< 0.2	8	< 0.1	< 0.1	< 0.01	< 0.1	< 0.01	< 0.1	< 0.1	< 0.001	0.1
Method Blank		1.00																					
Method Blank	< 0.1																						
Method Blank																							
Method Blank																							

Analyte Symbol	Ni	P	Rb	Pb	S	Mg	Mn	Mo	Sb	Sc	Sn	Sr	Ta	Th	Ti	Tl	U	V	W	Y	Zn	Zr	Cu
Unit Symbol	ppm	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	0.1	0.001	0.1	0.1	1	0.01	1	0.1	0.1	1	0.1	1	0.1	0.1	0.001	0.05	0.1	4	0.1	0.1	1	0.1	0.005
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	FUS-Na2O2
GXR-1 Meas	44.5	0.063	2.8	737	< 1	0.20	890	17.1	24.1	1	24.8	306	< 0.1	2.5	0.025	0.40	33.4	83	155	28.7	835	21.9	
GXR-1 Cert	41.0	0.0650	14.0	730	0.257	0.217	852	18.0	122	1.58	54.0	275	0.175	2.44	0.036	0.390	34.9	80.0	164	32.0	760	38.0	
DH-1a Meas														868			2380						
DH-1a Cert														910			2629						
GXR-4 Meas	40.4	0.148	137	48.6	2	1.71	166	298	4.3	8	6.5	208	0.6	20.3	0.283	3.43	5.9	90	38.0	13.0	75	35.6	
GXR-4 Cert	42.0	0.120	160	52.0	1.77	1.66	155	310	4.80	7.70	5.60	221	0.790	22.5	0.29	3.20	6.20	87.0	30.8	14.0	73.0	186	
PTM-1a Meas																							23.7
PTM-1a Cert																							24.96
SDC-1 Meas	35.3	0.061	102	24.2		1.00	821		< 0.1	14	0.7	167	< 0.1	11.4	0.251	0.63	2.8	57	< 0.1		107	37.8	
SDC-1 Cert	38.0	0.0690	127.00	25.00		1.02	880.00		0.54	17.00	3.00	180.00	1.20	12.00	0.606	0.70	3.10	102.00	0.80		103.00	290.00	
CD-1 Meas																							
CD-1 Cert																							
Oreas 74a (Fusion) Meas																							0.123
Oreas 74a (Fusion) Cert																							0.124
OREAS 134b (Fusion) Meas																							0.134
OREAS 134b (Fusion) Cert																							0.134
MP-1b Meas																							3.07
MP-1b Cert																							3.07
CPB-2 Meas																							0.123
CPB-2 Cert																							0.1213
CZN-4 Meas																							0.409
CZN-4 Cert																							0.403
SBC-1 Meas	85.6		114	35.2				2.3	0.9	19	2.7	165	0.8	15.3	0.461	0.93	5.8	223	1.6	29.6	189	109	
SBC-1 Cert	82.8		147	35.0				2.4	1.01	20.0	3.3	178.0	1.10	15.8	0.51	0.89	5.76	220.0	1.60	36.5	186	134.0	
Arsenic (III) Oxide Meas																							
Arsenic (III) Oxide Cert																							
Arsenic (III) Oxide Meas																							
Arsenic (III) Oxide Cert																							
Arsenic (III) Oxide Meas																							
Arsenic (III) Oxide Cert																							
OREAS 45d (4-Acid) Meas	236	0.037	38.3	21.0	< 1	0.23	482	0.2	< 0.1	48	0.5	29	< 0.1	13.9	0.156	0.25	2.8	98	< 0.1	10.8	43	49.4	
OREAS 45d (4-Acid) Cert	231.0	0.042	42.1	21.8	0.049	0.245	490.000	2.500	0.82	49.30	2.78	31.30	1.02	14.5	0.773	0.27	2.63	235.0	1.62	9.53	45.7	141	

Analyte Symbol	Ni	P	Rb	Pb	S	Mg	Mn	Mo	Sb	Sc	Sn	Sr	Ta	Th	Ti	Tl	U	V	W	Y	Zn	Zr	Cu
Unit Symbol	ppm	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	0.1	0.001	0.1	0.1	1	0.01	1	0.1	0.1	1	0.1	1	0.1	0.1	0.001	0.05	0.1	4	0.1	0.1	1	0.1	0.005
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	FUS-Na2O2
PTC-1b Meas																							7.80
PTC-1b Cert																							7.97
SdAR-M2 (U.S.G.S.) Meas	51.4		124	779				11.3		4		139	< 0.1	14.0			2.4	28	0.2	24.0	849	73.2	
SdAR-M2 (U.S.G.S.) Cert	48.8		149	808				13.3		4.1		144	1.8	14.2			2.53	25.2	2.8	32.7	760	259	
CCU-1e Meas																							
CCU-1e Cert																							
66263 Orig																							
402338 Orig																							
411000 Orig	18.7	0.057	32.0	> 5000	> 10.0	1.27	670	16.3	8.5	8	7.3	23	0.3	1.9	0.141	1.09	1.3	34	4.2	15.8	> 10000	109	
411000 Dup	18.8	0.055	31.0	> 5000	> 10.0	1.24	624	15.7	8.2	8	7.0	25	0.3	2.1	0.138	1.07	1.3	31	4.1	15.2	> 10000	110	
Method Blank	0.3	< 0.001	0.1	< 0.1	< 1	< 0.01	7	< 0.1	< 0.1	< 1	< 0.1	< 1	< 0.1	< 0.1	0.002	< 0.05	< 0.1	< 4	< 0.1	< 0.1	< 1	0.6	
Method Blank																							
Method Blank																							
Method Blank																							< 0.005
Method Blank																							< 0.005

Analyte Symbol	Pb	Zn
Unit Symbol	%	%
Lower Limit	0.01	0.01
Method Code	FUS-Na2O2	FUS-Na2O2
GXR-1 Meas		
GXR-1 Cert		
DH-1a Meas		
DH-1a Cert		
GXR-4 Meas		
GXR-4 Cert		
PTM-1a Meas		
PTM-1a Cert		
SDC-1 Meas		
SDC-1 Cert		
CD-1 Meas		
CD-1 Cert		
Oreas 74a (Fusion) Meas		
Oreas 74a (Fusion) Cert		
OREAS 134b (Fusion) Meas	13.0	17.4
OREAS 134b (Fusion) Cert	13.20	18.12
MP-1b Meas	2.05	16.1
MP-1b Cert	2.09	16.7
CPB-2 Meas	62.3	5.94
CPB-2 Cert	63.52	6.04
CZN-4 Meas	0.18	53.6
CZN-4 Cert	0.1861	55.07
SBC-1 Meas		
SBC-1 Cert		
Arsenic (III) Oxide Meas		
Arsenic (III) Oxide Cert		
Arsenic (III) Oxide Meas		
Arsenic (III) Oxide Cert		
Arsenic (III) Oxide Meas		
Arsenic (III) Oxide Cert		
OREAS 45d (4-Acid) Meas		
OREAS 45d (4-Acid) Cert		

Analyte Symbol	Pb	Zn
Unit Symbol	%	%
Lower Limit	0.01	0.01
Method Code	FUS-Na2O2	FUS-Na2O2
PTC-1b Meas	0.08	0.21
PTC-1b Cert	0.08	0.2083
SdAR-M2 (U.S.G.S.) Meas		
SdAR-M2 (U.S.G.S.) Cert		
CCU-1e Meas	0.71	3.01
CCU-1e Cert	0.703	3.02
66263 Orig		
402338 Orig		
411000 Orig		
411000 Dup		
Method Blank		
Method Blank		
Method Blank		
Method Blank	< 0.01	< 0.01
Method Blank	< 0.01	< 0.01

Quality Analysis ... *Innovative Technologies*

Date Submitted: 18-Aug-17
Invoice No.: A17-08796
Invoice Date: 24-Oct-17
Your Reference: SG17-1139 38993 TRUE NORTH NICKEL

Techni-Lab Abitibi Inc.(Actlabs)
184 Rue Principale
Ste-Germaine-Boule Quebec J0Z 1M0
Canada

ATTN: Andre Caouette

CERTIFICATE OF ANALYSIS

154 Pulp samples were submitted for analysis.

The following analytical package(s) were requested: Code 8-Peroxide ICP Sodium Peroxide Fusion ICP

Code UT-4M Total Digestion ICP/MS

REPORT **A17-08796**

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:

Any values for Au are for informational purposes and should be checked by fire assay code 1A2

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
41 Bittern Street, Ancaster, Ontario, Canada, L9G 4V5
TELEPHONE +905 648-9611 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Ancaster@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Te	Cu	Pb	Zn	Al	Ag	As	Au	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Cs	Fe	Hf	K	La	Li
Unit Symbol	ppm	%	%	%	%	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm
Lower Limit	0.1	0.005	0.01	0.01	0.01	0.1	1	100	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.1	0.01	0.1	0.01	0.1	0.1
Method Code	TD-MS	FUS-Na2O2	FUS-Na2O2	FUS-Na2O2	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
402291	< 0.1				6.53	< 0.1	35	< 100	546	1	0.2	4.07	0.3	31	24.5	244	85.3	1.1	4.48	2.9	2.09	14.5	12.9
402292	< 0.1				6.46	< 0.1	12	< 100	631	2	0.7	2.30	1.1	53	7.7	148	86.6	0.6	2.34	5.3	2.08	24.8	13.2
402293	0.2				6.61	0.1	19	200	657	2	0.8	2.47	1.2	47	4.7	110	73.3	0.6	2.06	5.1	2.26	22.5	12.9
402294	0.1				5.89	< 0.1	34	< 100	630	2	0.7	1.78	1.1	49	4.5	138	81.9	0.6	2.13	5.1	2.36	23.3	10.8
402295	< 0.1				6.41	< 0.1	9	< 100	610	2	0.5	1.91	0.5	46	4.5	115	83.9	0.6	2.15	5.0	1.95	21.9	8.4
402296	0.2				5.93	< 0.1	10	< 100	579	2	1.1	1.89	1.1	46	4.6	137	70.6	0.5	2.35	4.9	1.98	21.5	8.5
402297	0.2				5.34	< 0.1	53	100	555	2	1.3	1.69	0.4	44	5.1	123	73.7	0.6	2.38	5.0	1.97	20.8	8.8
402298	0.1				5.69	< 0.1	18	< 100	567	2	0.9	1.91	0.4	49	4.5	123	58.4	0.6	2.14	4.9	2.28	24.1	8.1
402299	0.2				5.24	< 0.1	63	< 100	642	2	0.7	1.61	0.3	39	4.6	122	64.5	0.6	2.30	5.0	2.23	16.0	9.3
402300	< 0.1				6.46	< 0.1	< 1	< 100	414	1	< 0.1	1.87	< 0.1	18	5.8	145	8.6	0.8	1.54	1.5	1.43	8.5	9.8
402301	< 0.1				7.64	< 0.1	77	< 100	626	2	0.8	1.73	0.6	62	4.6	92	74.3	0.7	2.22	5.1	2.30	31.8	10.6
402303	0.2				6.12	< 0.1	468	200	526	2	1.1	3.29	3.5	51	3.5	90	74.5	0.7	2.03	4.5	2.11	26.0	9.7
402304	0.3				6.65	1.1	81	> 2000	399	2	2.3	2.68	3.6	55	4.6	86	73.9	0.5	2.39	4.5	1.69	27.7	8.0
402305	0.2				7.46	0.2	104	1000	707	2	0.9	1.80	0.6	58	4.3	97	59.2	0.7	2.33	5.0	2.35	29.5	10.6
402306	0.3				7.08	< 0.1	55	100	754	2	1.8	1.67	3.0	60	4.3	111	72.9	0.6	2.27	5.2	2.33	30.6	11.7
402307	0.3				6.81	0.2	17	300	730	2	1.4	1.79	1.6	61	4.4	98	74.3	0.6	2.30	5.1	2.30	30.2	11.7
402308	0.1				6.64	< 0.1	3	< 100	706	2	0.6	1.92	0.7	58	4.3	125	72.4	0.7	2.33	5.1	2.21	28.8	11.7
402309	0.7				6.73	1.4	12	400	783	2	5.4	1.78	1.1	58	4.9	108	71.9	0.7	2.37	5.1	2.19	29.6	11.2
402310	0.2				6.92	< 0.1	< 1	300	775	2	1.1	1.75	0.5	54	4.7	124	68.7	0.6	2.38	5.0	2.12	27.2	11.5
402311	0.4				5.16	0.3	11	< 100	629	2	1.6	1.68	1.0	39	5.2	106	68.2	0.6	2.31	4.6	2.01	16.6	10.5
402312	0.2				7.00	0.3	24	100	774	2	1.2	1.65	0.9	58	4.9	108	66.6	0.7	2.41	5.2	2.31	29.5	10.2
402313	0.1				7.09	< 0.1	9	< 100	760	2	0.5	1.80	0.8	59	4.5	98	70.7	0.6	2.35	5.0	2.24	29.4	9.1
402314	0.2				7.70	0.4	611	200	410	2	1.5	1.69	1.2	59	5.1	72	59.5	1.4	2.25	5.0	2.67	31.0	10.4
402315	0.2				6.82	< 0.1	43	< 100	713	2	0.8	1.73	0.4	57	4.7	96	73.1	0.6	2.37	5.2	2.24	27.9	10.5
402316	0.1				7.18	< 0.1	4	< 100	776	2	0.5	1.79	0.4	60	4.5	69	69.6	0.6	2.33	5.1	2.43	30.7	11.7
402317	0.2				7.04	0.6	29	400	742	2	1.1	1.79	1.3	56	4.7	85	68.1	0.6	2.24	5.1	2.40	29.1	12.3
402318	0.2				7.04	0.1	3	< 100	760	2	1.2	1.56	0.4	60	4.3	79	68.1	0.6	2.20	4.8	2.14	31.3	10.7
402319	0.3				6.52	0.1	4	< 100	730	2	1.0	1.72	0.3	56	4.1	96	68.8	0.6	2.24	4.9	2.16	28.5	12.6
402320	< 0.1				4.39	0.7	166	400	67	< 1	5.9	3.91	< 0.1	94	350	35	5620	0.7	20.0	3.2	2.91	79.7	14.6
402321	0.2				5.65	< 0.1	3	200	793	2	1.0	1.44	1.6	35	4.7	143	80.8	0.7	2.32	5.0	2.42	13.8	12.4
402322	0.4				7.30	0.5	510	300	662	2	0.9	1.81	3.3	56	5.3	118	69.7	0.6	2.30	4.8	2.14	29.5	10.5
402323	0.1				7.11	< 0.1	< 1	< 100	737	2	0.5	1.76	0.3	59	5.1	99	80.5	0.6	2.51	5.3	2.25	29.5	8.4
402324	1.5				6.29	1.6	45	300	284	2	6.7	1.47	0.6	54	6.3	126	61.7	0.7	2.46	4.4	1.73	28.7	6.2
402325	0.6				6.97	1.4	1640	200	228	1	10.0	1.05	4.2	60	11.4	111	74.2	1.7	2.18	4.5	3.25	32.3	6.8
402326	< 0.1				8.53	0.2	339	< 100	416	2	0.6	1.55	0.2	72	5.9	111	78.5	1.8	2.41	5.2	3.25	38.0	9.1
402327	0.4				7.42	0.3	13	< 100	651	2	3.4	1.72	0.5	63	4.7	114	70.2	0.8	2.28	4.9	2.19	32.5	7.7
402328	0.3				6.92	0.2	9	< 100	640	2	1.6	1.80	0.7	54	4.6	93	65.4	0.6	2.13	4.8	2.01	27.5	8.0
402329	0.5				6.59	0.3	9	< 100	567	2	5.0	1.83	6.3	53	4.6	75	72.0	0.6	2.41	5.0	2.05	27.0	8.6
402330	< 0.1				6.75	< 0.1	< 1	< 100	408	< 1	< 0.1	1.80	< 0.1	19	5.6	115	9.1	0.8	1.52	1.3	1.33	9.1	8.9
402331	1.1				7.28	1.4	22	< 100	365	2	11.0	1.66	2.2	57	6.5	117	67.6	0.6	2.03	4.7	1.87	29.7	8.3
402332	0.3				7.09	0.1	15	< 100	700	2	1.6	1.71	0.7	62	8.1	93	65.2	0.6	2.28	5.3	2.16	32.1	8.1

Analyte Symbol	Te	Cu	Pb	Zn	Al	Ag	As	Au	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Cs	Fe	Hf	K	La	Li
Unit Symbol	ppm	%	%	%	%	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm
Lower Limit	0.1	0.005	0.01	0.01	0.01	0.1	1	100	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.1	0.01	0.1	0.01	0.1	0.1
Method Code	TD-MS	FUS-Na2O2	FUS-Na2O2	FUS-Na2O2	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
402333	< 0.1				6.98	< 0.1	12	< 100	575	2	0.9	1.72	0.6	56	4.4	102	60.8	0.6	2.20	4.5	2.26	28.5	7.4
402334	< 0.1				7.19	< 0.1	29	< 100	666	2	0.9	1.88	0.4	58	4.4	89	54.7	0.7	2.22	5.1	2.26	29.6	8.1
402335	0.2				6.97	0.3	12	< 100	634	2	1.7	1.59	0.7	57	5.2	107	59.0	0.7	2.12	4.6	2.29	29.3	8.4
402336	0.2				6.39	0.3	9	300	585	2	2.0	2.13	0.8	57	5.5	99	76.0	0.8	2.53	5.3	2.50	27.9	9.1
402337	0.2				7.35	0.2	38	100	653	2	3.9	2.05	10.2	66	6.0	116	63.8	1.3	2.76	5.1	2.40	33.6	7.3
402339	1.9				6.62	0.4	28	< 100	570	2	9.5	3.92	2.1	61	7.5	107	62.5	0.6	2.76	4.3	2.05	30.5	7.5
402340	3.1				4.42	0.4	28	100	574	2	10.6	2.73	0.6	36	8.1	124	61.4	0.7	2.64	4.9	2.21	14.9	8.2
402341	0.2				7.05	0.1	15	100	644	2	1.0	2.14	0.6	56	6.1	113	50.6	0.7	2.88	5.5	2.24	26.2	7.8
402342	< 0.1				7.61	< 0.1	6	< 100	671	2	0.5	2.19	0.3	71	6.8	88	41.3	0.7	2.94	5.5	2.21	36.3	7.6
402343	0.4				6.38	0.8	30	700	278	2	7.2	2.01	7.4	63	6.0	107	72.5	0.6	2.96	4.7	1.93	31.6	7.5
402344	0.1				7.39	< 0.1	13	200	644	2	0.6	2.09	0.6	67	6.5	79	52.2	0.9	2.74	5.2	2.31	33.7	8.9
402345	0.2				7.02	0.1	22	< 100	604	2	0.9	2.32	0.3	67	6.2	119	35.7	1.0	2.70	5.0	2.18	33.8	7.3
402346	0.2				7.27	< 0.1	18	< 100	667	2	1.1	2.22	0.3	71	7.3	92	48.3	0.8	3.09	5.8	2.29	35.3	8.3
402348	0.3				10.1	0.2	148	600	219	2	1.6	2.35	1.3	92	11.3	132	117	1.4	4.52	7.5	3.44	46.4	12.4
402349	0.1				7.22	< 0.1	20	< 100	601	2	1.0	2.24	0.4	64	6.4	87	27.2	0.8	2.88	5.6	1.97	30.3	7.4
402350	3.7				5.78	9.5	11	> 2000	371	< 1	< 0.1	4.64	0.3	25	10.8	22	65.7	4.3	3.42	2.0	1.91	11.8	45.3
402351	0.1				5.21	0.1	106	200	620	2	0.5	1.84	0.4	40	6.0	154	26.7	0.7	2.81	5.4	2.31	15.9	6.2
402353	0.3				7.32	0.4	17	100	694	2	2.8	2.18	0.7	73	6.5	121	52.2	1.3	2.90	5.7	2.74	36.6	7.1
402354	0.2				8.21	0.1	104	100	410	2	1.7	2.15	1.5	81	7.1	120	61.4	1.3	3.33	6.8	2.86	41.9	9.3
402355	< 0.1				8.12	0.1	118	< 100	430	2	0.9	1.91	0.8	71	9.3	85	76.2	0.9	3.03	5.8	2.69	36.0	9.0
402356	0.2				7.95	< 0.1	10	100	588	2	0.9	1.97	1.8	72	5.6	106	81.2	0.8	2.80	5.7	2.36	36.6	8.9
402357	0.2				7.43	1.2	216	700	173	2	1.9	1.94	0.5	66	7.9	102	93.8	1.3	3.29	5.2	2.99	33.5	9.5
402358	0.1				7.80	< 0.1	34	100	533	2	0.4	1.94	1.1	61	6.1	109	76.3	0.8	2.80	5.6	2.04	29.8	11.7
402359	< 0.1				5.78	< 0.1	6	< 100	550	2	0.3	1.87	1.6	52	6.5	102	57.4	0.8	2.69	5.7	1.90	24.8	14.9
402360	< 0.1				6.01	< 0.1	< 1	< 100	391	1	< 0.1	1.80	< 0.1	20	5.8	149	9.2	0.7	1.58	1.3	1.31	12.3	9.4
402361	0.2				7.40	0.5	36	100	297	2	2.0	1.70	2.3	62	9.0	123	82.0	1.1	3.19	5.6	2.65	29.9	14.2
402362	< 0.1				7.36	0.5	24	< 100	270	2	1.9	1.97	4.1	71	6.7	89	67.8	1.0	3.13	5.9	2.74	35.7	13.5
402363	< 0.1				5.56	< 0.1	6	300	643	2	0.5	1.90	0.3	37	8.7	134	49.1	0.8	2.71	5.8	2.21	13.5	11.2
402364	0.1				6.98	< 0.1	5	100	655	2	0.9	2.00	0.3	66	6.7	115	55.1	0.8	2.60	5.7	2.28	32.0	9.6
402365	0.4				6.87	2.6	25	< 100	512	2	7.5	1.77	1.1	60	7.5	124	45.1	0.8	2.46	5.2	2.09	28.4	8.6
402366	0.1				7.09	< 0.1	5	< 100	681	2	0.7	1.95	0.3	69	6.6	107	35.4	0.8	2.74	5.7	2.35	34.0	7.7
402367	< 0.1				7.51	0.4	66	< 100	634	2	0.9	2.10	0.5	67	7.5	91	33.3	0.9	2.55	5.4	2.30	33.5	7.1
402368	< 0.1				7.76	0.1	376	< 100	574	2	1.2	2.03	0.2	69	6.3	83	20.5	2.4	2.73	5.6	3.72	34.9	7.9
402369	0.9				7.63	4.3	9	< 100	753	2	21.8	2.53	17.0	69	6.8	133	40.2	0.7	3.20	5.9	2.22	33.6	9.3
402370	0.3				6.22	1.4	9	< 100	590	2	7.9	2.22	5.8	53	6.1	106	31.5	0.6	2.82	5.2	1.93	24.4	8.2
402371	0.3				6.61	1.0	44	< 100	575	2	3.7	1.99	0.8	57	5.6	109	24.5	0.8	2.57	5.4	2.07	26.9	6.7
402372	< 0.1				7.66	< 0.1	8	< 100	647	2	0.3	1.96	< 0.1	73	5.5	94	23.7	0.9	2.78	5.7	2.22	37.0	5.7
402373	< 0.1				7.84	< 0.1	5	< 100	647	2	0.3	1.92	< 0.1	66	5.4	91	16.7	0.8	2.72	2.0	2.30	32.7	6.0
402374	< 0.1				7.52	< 0.1	36	100	605	2	1.3	1.96	0.2	65	5.6	63	26.7	0.9	2.53	5.6	2.20	32.8	5.7
402375	< 0.1				7.71	< 0.1	15	< 100	560	2	0.7	1.86	0.2	70	5.1	99	26.6	1.2	2.50	5.6	2.28	35.3	5.2
402376	0.4				7.04	0.8	904	200	396	2	7.8	1.71	2.5	72	4.5	120	29.1	1.3	2.74	5.8	2.98	36.5	8.1
402377	< 0.1				6.90	0.1	24	< 100	597	2	0.9	2.12	0.4	73	6.8	111	33.5	1.3	2.83	6.4	2.44	36.6	5.9

Analyte Symbol	Te	Cu	Pb	Zn	Al	Ag	As	Au	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Cs	Fe	Hf	K	La	Li
Unit Symbol	ppm	%	%	%	%	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm
Lower Limit	0.1	0.005	0.01	0.01	0.01	0.1	1	100	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.1	0.01	0.1	0.01	0.1	0.1
Method Code	TD-MS	FUS-Na2O2	FUS-Na2O2	FUS-Na2O2	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
402378	< 0.1				6.18	< 0.1	6	< 100	431	3	0.4	1.98	0.4	58	5.8	105	25.7	1.2	2.93	6.7	1.65	27.5	5.6
402379	< 0.1				7.66	< 0.1	11	< 100	534	3	0.6	2.16	0.5	73	5.7	81	39.4	1.5	2.84	6.5	2.24	36.7	5.0
402380	0.2				3.64	1.1	4	1100	64	< 1	6.5	3.61	< 0.1	12	18.2	58	4410	198	22.7	0.7	1.94	4.3	98.5
402381	0.4				7.82	< 0.1	221	200	528	2	2.3	1.77	0.2	78	5.9	124	41.7	2.3	2.77	6.0	3.17	40.2	6.0
402382	< 0.1				8.50	0.1	53	< 100	598	2	0.4	1.64	0.3	85	6.5	100	67.2	2.8	3.14	1.6	3.59	43.8	5.1
402383	< 0.1				7.83	< 0.1	24	< 100	568	2	0.7	1.92	0.4	77	6.2	87	49.1	1.5	2.92	6.5	2.64	39.5	5.9
402384	0.1				7.11	0.2	72	< 100	264	2	1.7	1.82	14.2	73	6.7	102	77.0	1.3	3.02	5.9	2.89	37.9	7.6
402385	0.4				6.56	0.7	569	300	139	2	3.0	1.26	0.4	65	5.9	92	57.9	1.8	3.16	5.4	3.41	31.9	7.9
402386	0.5				7.26	0.8	29	300	579	2	8.0	1.93	2.4	72	5.7	102	38.7	1.2	2.61	6.1	2.46	35.0	6.1
402387	1.0				6.93	1.5	28	600	533	2	7.3	2.15	2.7	67	5.3	96	30.5	1.6	2.64	6.1	2.58	32.5	4.8
402388	< 0.1				8.02	< 0.1	39	< 100	619	2	0.4	1.61	0.3	72	5.4	115	21.0	2.5	2.39	6.1	3.75	36.4	6.0
402389	< 0.1				8.26	< 0.1	68	< 100	673	2	0.5	1.76	0.4	82	6.5	108	44.7	2.3	2.82	6.4	3.76	41.2	5.0
402390	< 0.1				6.68	< 0.1	< 1	< 100	398	1	< 0.1	1.85	< 0.1	17	6.0	111	8.4	0.8	1.65	1.3	1.30	8.1	8.3
402391	0.2				7.85	< 0.1	496	< 100	489	1	0.4	2.10	< 0.1	71	6.1	145	40.9	2.4	2.62	6.2	2.90	35.4	5.4
402392	< 0.1				8.48	< 0.1	57	< 100	607	2	0.4	1.74	< 0.1	78	6.3	105	49.3	2.6	2.51	5.0	3.26	39.6	6.5
402393	< 0.1				7.81	< 0.1	149	< 100	381	2	0.6	2.13	0.1	75	8.0	90	54.7	2.4	3.11	5.8	3.67	37.2	5.8
402394	< 0.1				6.92	< 0.1	77	< 100	466	2	0.6	1.61	0.1	68	3.5	91	31.2	2.4	2.08	5.1	3.17	34.6	4.6
402395	< 0.1				6.73	0.2	120	200	273	3	1.1	5.44	3.2	66	22.5	260	82.6	4.1	6.01	3.9	2.12	32.8	36.1
402396	0.1				6.24	< 0.1	215	< 100	393	2	0.8	7.19	< 0.1	60	27.0	264	58.3	1.7	5.70	4.6	1.83	30.2	25.3
402397	< 0.1				2.43	0.2	205	< 100	64	< 1	< 0.1	10.7	1.5	18	35.0	296	29.1	0.4	5.84	1.3	0.35	8.4	31.5
402398	< 0.1				6.67	< 0.1	35	< 100	286	< 1	< 0.1	6.02	0.2	13	42.4	87	73.5	1.6	7.28	1.5	1.63	5.7	37.0
402399	< 0.1				6.50	< 0.1	65	< 100	304	1	< 0.1	6.07	< 0.1	15	41.2	86	72.3	1.7	7.07	1.5	1.72	6.8	34.5
402400	< 0.1				7.22	< 0.1	52	< 100	338	1	< 0.1	5.93	< 0.1	16	42.0	79	68.7	1.7	6.72	1.5	1.87	7.2	33.3
402401	< 0.1				5.90	< 0.1	23	100	423	< 1	< 0.1	7.76	0.3	12	34.0	55	70.8	1.3	6.61	1.2	1.68	5.2	27.3
402413	< 0.1				6.78	0.2	3	< 100	236	< 1	0.4	4.94	< 0.1	19	28.7	75	123	0.5	8.85	1.3	1.01	7.1	15.3
402414	< 0.1				8.53	< 0.1	< 1	< 100	166	< 1	< 0.1	5.50	< 0.1	18	32.4	85	17.4	0.3	7.37	0.6	1.03	7.8	21.8
402415	< 0.1				9.16	< 0.1	< 1	< 100	307	< 1	0.2	4.12	< 0.1	26	27.0	45	19.9	0.5	8.40	0.7	1.54	11.2	21.4
402416	< 0.1				9.74	< 0.1	< 1	< 100	421	< 1	0.3	4.41	< 0.1	32	26.9	37	74.4	1.1	7.99	1.6	1.78	14.1	19.0
402417	< 0.1				9.12	< 0.1	3	< 100	411	< 1	0.6	5.28	< 0.1	31	24.6	30	125	1.3	8.16	1.2	1.97	13.7	17.0
402418	< 0.1				9.33	< 0.1	2	< 100	246	< 1	0.3	5.64	< 0.1	31	20.3	40	67.3	1.1	8.14	1.1	1.58	13.9	19.5
402419	< 0.1				8.81	< 0.1	< 1	< 100	252	< 1	0.8	3.64	< 0.1	34	16.8	121	78.7	1.1	10.6	1.1	1.68	15.1	22.0
402420	0.6	1.73			2.88	2.4	472	1000	116	< 1	13.7	3.41	< 0.1	82	719	31	> 10000	0.5	29.5	2.9	2.41	58.3	14.3
402421	< 0.1				9.89	0.1	397	< 100	349	< 1	1.7	2.96	< 0.1	29	30.6	36	231	1.0	10.9	1.4	1.96	13.1	25.2
402422	< 0.1				9.02	0.2	145	< 100	448	< 1	3.6	3.16	0.4	26	52.8	58	91.4	1.3	11.8	0.8	2.50	11.0	26.6
402423	< 0.1				8.64	0.3	113	< 100	305	< 1	2.3	2.92	0.3	33	39.3	64	434	0.9	13.0	1.0	2.09	14.5	22.7
402424	< 0.1				8.80	0.6	12	500	266	< 1	0.7	2.52	0.7	30	34.5	77	418	1.0	14.1	1.0	2.26	13.3	23.5
402425	< 0.1				8.50	0.5	40	< 100	224	< 1	1.2	1.87	0.2	30	43.9	66	487	0.9	18.9	1.1	1.81	13.9	26.8
402426	0.2				7.04	5.5	791	> 2000	66	< 1	3.5	1.92	0.4	14	251	55	4850	0.6	18.1	0.9	3.39	5.6	15.5
402427	< 0.1				6.81	1.2	2280	200	73	< 1	1.8	2.14	0.7	25	221	43	1110	0.7	18.7	1.2	1.72	10.6	17.6
402428	< 0.1				7.41	1.3	23	500	239	< 1	1.0	2.18	< 0.1	44	77.4	74	2990	1.6	17.3	1.5	1.77	20.5	26.2
402429	< 0.1				9.19	0.2	< 1	< 100	565	< 1	0.4	1.97	0.2	56	44.7	85	466	3.3	15.1	1.1	2.67	25.6	28.4

Analyte Symbol	Te	Cu	Pb	Zn	Al	Ag	As	Au	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Cs	Fe	Hf	K	La	Li
Unit Symbol	ppm	%	%	%	%	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm
Lower Limit	0.1	0.005	0.01	0.01	0.01	0.1	1	100	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.1	0.01	0.1	0.01	0.1	0.1
Method Code	TD-MS	FUS-Na2O2	FUS-Na2O2	FUS-Na2O2	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
402430	< 0.1				7.16	0.2	2	< 100	486	< 1	0.4	1.68	< 0.1	38	47.8	91	342	3.0	15.3	1.4	2.19	15.8	29.6
402431	< 0.1				8.05	0.5	15	< 100	196	< 1	0.5	4.58	0.2	28	53.9	92	646	0.7	13.6	1.3	1.74	12.3	19.3
402432	0.3	2.91			7.03	17.1	3290	600	44	< 1	2.0	1.97	0.9	13	302	77	> 10000	0.9	19.4	0.7	1.43	5.4	18.1
402433	< 0.1				8.73	1.2	56	< 100	406	< 1	0.6	2.26	0.5	17	37.3	85	1730	0.8	14.7	0.8	1.59	7.6	24.8
402434	< 0.1				9.57	< 0.1	< 1	< 100	313	< 1	0.2	3.67	< 0.1	18	21.9	79	32.3	0.9	10.9	0.9	1.66	7.8	25.1
402435	< 0.1				8.34	7.9	< 1	< 100	368	< 1	1.0	2.46	0.9	37	24.6	70	6640	2.8	16.1	1.1	1.74	16.3	25.2
402436	< 0.1				7.45	< 0.1	2	< 100	444	< 1	0.3	4.02	< 0.1	30	38.7	377	139	1.3	10.7	2.1	0.93	13.6	18.0
402437	< 0.1				5.10	< 0.1	< 1	< 100	38	< 1	< 0.1	5.79	< 0.1	17	61.9	725	57.0	0.4	6.50	1.8	0.17	8.0	22.4
402438	< 0.1				6.97	< 0.1	7	100	345	< 1	0.1	4.87	< 0.1	29	44.5	493	72.8	0.6	8.30	2.3	0.73	13.1	24.4
402439	< 0.1				7.34	< 0.1	< 1	< 100	260	< 1	0.6	1.56	< 0.1	32	24.4	87	150	1.0	15.9	1.6	0.71	14.1	22.1
402440	< 0.1				4.66	< 0.1	< 1	< 100	332	1	< 0.1	1.73	< 0.1	8	6.1	233	8.4	0.7	1.64	1.3	1.23	3.1	8.5
402441	< 0.1				8.34	< 0.1	< 1	200	237	< 1	0.2	4.17	< 0.1	35	30.7	95	58.3	0.3	12.4	1.2	0.80	14.9	14.8
402442	< 0.1				8.15	< 0.1	< 1	< 100	259	< 1	0.2	4.79	< 0.1	35	33.8	80	122	0.3	10.8	1.0	0.87	14.8	12.6
402443	< 0.1				8.30	< 0.1	< 1	< 100	175	< 1	0.2	5.70	< 0.1	26	28.9	63	114	0.3	8.22	0.5	0.55	11.5	14.1
402444	< 0.1				8.84	< 0.1	< 1	< 100	98	< 1	0.2	5.73	< 0.1	18	28.5	51	45.4	0.4	7.79	0.4	0.65	7.8	20.2
402445	< 0.1				9.08	< 0.1	< 1	< 100	179	< 1	0.2	5.65	0.2	21	24.8	46	61.1	0.3	8.42	0.6	0.54	9.4	19.9
402446	< 0.1				6.82	< 0.1	< 1	< 100	199	< 1	0.2	7.80	< 0.1	40	27.3	46	193	0.2	8.06	1.2	0.61	17.2	22.2
402447	< 0.1				8.20	0.1	< 1	< 100	133	< 1	0.3	6.13	< 0.1	52	30.1	46	181	0.2	9.69	1.6	0.37	22.3	12.3
402448	< 0.1				9.35	< 0.1	< 1	< 100	270	1	0.2	8.74	0.1	52	31.3	72	104	0.4	11.0	1.6	0.69	22.0	11.7
402449	< 0.1				7.70	< 0.1	< 1	< 100	189	1	0.2	5.99	< 0.1	48	35.7	47	227	0.3	10.6	1.2	0.59	20.7	10.3
402450	2.4				5.47	4.6	24	2000	353	< 1	0.1	3.99	0.4	24	10.4	22	69.8	5.8	3.18	1.9	2.34	11.2	41.1
402451	< 0.1				8.17	< 0.1	< 1	< 100	128	1	0.2	5.46	0.2	47	28.3	46	101	0.4	11.1	0.7	0.36	20.2	11.5
402452	< 0.1				3.32	0.1	< 1	< 100	53	< 1	0.1	15.1	1.3	25	17.8	25	99.2	0.4	7.90	1.1	0.25	11.0	7.8
402453	< 0.1				7.92	0.1	< 1	< 100	283	< 1	0.4	5.15	< 0.1	43	38.3	35	352	1.3	12.0	0.8	1.28	18.0	13.8
402454	< 0.1				5.16	0.2	7	< 100	169	< 1	0.2	9.28	0.1	35	59.1	62	569	0.9	9.67	0.9	0.79	15.9	16.0
402455	< 0.1				8.44	< 0.1	< 1	< 100	184	1	0.2	6.42	< 0.1	50	28.7	41	157	0.3	9.74	0.8	0.47	21.5	10.5
402456	< 0.1				7.80	< 0.1	< 1	< 100	389	1	0.1	8.67	0.1	41	28.8	38	123	0.6	9.14	0.4	0.96	17.7	13.5
402457	< 0.1				8.82	< 0.1	< 1	< 100	287	< 1	< 0.1	5.74	0.2	31	23.9	37	117	0.4	7.30	0.9	0.86	13.1	14.4
402458	< 0.1				8.47	< 0.1	< 1	< 100	148	< 1	< 0.1	8.60	0.5	49	29.3	47	81.9	0.3	8.77	0.6	0.34	20.9	11.2
410997	0.6	3.04	0.61	2.38	4.10	44.5	118	1100	12	< 1	20.5	1.52	131	25	270	31	> 10000	1.1	16.4	3.1	0.96	8.7	9.9

Analyte Symbol	Na	Nb	Ni	P	Rb	Pb	S	Mg	Mn	Mo	Sb	Sc	Sn	Sr	Ta	Th	Ti	Tl	U	V	W	Y	Zn
Unit Symbol	%	ppm	ppm	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.1	0.1	0.001	0.1	0.1	1	0.01	1	0.1	0.1	1	0.1	1	0.1	0.1	0.001	0.05	0.1	4	0.1	0.1	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
402291	1.78	0.8	70.1	0.053	86.0	22.5	< 1	1.65	934	4.4	2.7	24	1.8	258	< 0.1	4.3	0.467	0.54	1.9	173	2.2	15.5	115
402292	3.04	10.1	16.7	0.041	65.9	31.4	< 1	0.45	381	8.8	7.0	7	4.3	144	0.8	10.0	0.261	0.33	3.0	40	10.9	14.0	141
402293	3.09	10.2	6.6	0.041	65.8	40.8	< 1	0.34	349	9.8	4.7	4	4.7	123	0.9	8.6	0.206	0.29	2.6	22	43.2	12.5	159
402294	3.17	9.5	5.8	0.040	58.2	48.0	< 1	0.32	354	11.3	5.4	4	4.4	123	0.7	8.8	0.203	0.29	2.4	16	96.7	11.2	171
402295	3.05	10.4	5.9	0.041	60.3	14.0	< 1	0.33	366	23.4	2.9	4	4.0	125	0.9	8.6	0.204	0.28	2.6	19	79.4	11.5	84
402296	3.49	6.7	5.9	0.039	52.5	10.6	< 1	0.37	467	31.9	4.3	4	4.6	125	0.4	8.4	0.194	0.23	2.4	19	158	9.9	102
402297	3.15	10.2	6.1	0.038	53.8	12.5	< 1	0.32	390	17.4	2.7	4	4.3	106	1.0	7.9	0.205	0.32	2.1	18	25.9	10.1	61
402298	3.15	3.9	5.5	0.037	62.5	13.4	< 1	0.32	392	17.2	1.4	4	4.2	122	< 0.1	9.1	0.191	0.29	2.2	17	> 200	12.1	61
402299	2.94	10.5	5.5	0.038	66.1	12.9	< 1	0.34	418	68.2	2.9	3	4.5	110	0.9	7.0	0.205	0.31	2.8	18	160	8.6	67
402300	3.14	2.3	21.9	0.020	48.2	7.4	< 1	0.57	269	6.4	< 0.1	5	0.6	328	0.1	1.2	0.171	0.22	0.3	34	0.5	5.9	18
402301	3.03	9.8	5.8	0.040	78.5	17.7	< 1	0.36	388	31.1	2.7	4	5.2	128	0.8	11.3	0.198	0.31	3.2	19	23.1	12.1	68
402303	2.70	0.5	5.2	0.036	73.3	31.6	< 1	0.33	475	14.2	7.5	4	4.5	109	< 0.1	9.8	0.176	0.29	2.7	16	167	13.7	360
402304	3.41	1.2	5.0	0.038	55.5	113	1	0.38	554	36.3	3.5	4	3.8	122	< 0.1	9.8	0.170	0.21	3.1	16	149	12.8	366
402305	2.95	9.1	5.9	0.039	77.9	24.1	< 1	0.39	390	70.4	3.4	4	4.0	139	0.7	11.2	0.199	0.29	3.3	18	75.2	12.9	92
402306	3.11	9.7	5.6	0.040	72.8	33.3	< 1	0.36	369	17.5	1.6	4	3.8	150	0.8	11.6	0.193	0.28	3.5	17	36.2	13.3	203
402307	3.12	9.0	5.4	0.039	67.1	24.4	< 1	0.38	359	20.6	2.3	4	3.7	151	0.6	10.8	0.202	0.29	3.1	17	54.3	12.6	130
402308	2.80	9.6	7.0	0.039	66.7	22.1	< 1	0.37	372	25.8	2.7	4	4.2	160	0.8	10.8	0.201	0.29	3.2	16	6.1	13.3	110
402309	3.21	9.4	5.9	0.040	65.4	144	< 1	0.36	332	29.6	1.6	4	3.7	177	0.8	11.2	0.197	0.27	3.4	18	18.7	13.7	113
402310	3.06	9.6	5.1	0.038	62.0	17.1	< 1	0.36	345	26.9	1.2	4	3.5	166	0.8	10.1	0.206	0.25	3.0	16	5.7	12.6	79
402311	3.02	9.3	5.2	0.036	49.5	28.0	< 1	0.31	335	69.6	1.2	3	4.0	101	0.8	6.4	0.188	0.26	1.7	18	32.1	8.4	99
402312	3.07	10.7	5.3	0.042	69.6	59.5	< 1	0.36	328	20.3	2.4	4	3.7	151	0.8	11.4	0.221	0.28	3.6	17	3.8	14.4	103
402313	3.46	9.3	5.3	0.040	67.7	14.9	< 1	0.36	370	12.1	3.5	4	3.9	150	0.7	10.8	0.194	0.31	3.1	18	5.5	12.9	91
402314	1.97	9.3	5.2	0.042	90.1	28.0	< 1	0.42	383	26.2	8.6	5	3.9	115	0.8	12.2	0.201	0.44	3.7	19	20.3	14.3	110
402315	3.35	10.6	5.5	0.039	65.4	18.5	< 1	0.38	397	18.6	2.3	4	3.8	149	0.8	10.0	0.206	0.28	2.8	18	3.0	13.2	71
402316	3.27	9.6	5.1	0.040	71.8	31.8	< 1	0.39	333	22.5	2.2	4	4.2	166	0.8	11.4	0.202	0.29	3.3	20	6.6	14.4	76
402317	3.20	8.4	4.8	0.037	68.3	57.2	< 1	0.37	309	20.4	6.8	4	4.0	154	0.5	11.3	0.191	0.29	3.3	17	47.0	14.4	141
402318	3.18	8.9	5.2	0.036	62.4	23.0	< 1	0.37	316	22.7	3.5	4	3.7	169	0.7	11.2	0.192	0.26	4.8	18	4.8	13.7	72
402319	3.29	9.3	5.0	0.038	62.9	20.4	< 1	0.38	327	32.1	1.7	4	4.2	149	0.7	9.9	0.198	0.28	2.7	17	26.1	12.4	71
402320	0.939	0.4	69.2	0.069	95.3	7.0	2	1.11	2870	101	2.7	12	6.3	76	< 0.1	2.8	0.282	0.26	31.1	176	5.3	18.3	16
402321	3.03	10.0	5.6	0.039	68.9	20.7	< 1	0.36	379	52.5	1.6	3	3.9	157	0.9	6.8	0.205	0.33	3.0	16	86.0	9.6	143
402322	2.99	9.4	5.5	0.040	76.4	260	< 1	0.38	377	126	2.5	4	3.4	174	0.8	11.4	0.188	0.30	3.6	15	72.1	13.5	361
402323	3.53	9.8	5.5	0.042	65.4	15.1	< 1	0.42	378	51.7	1.7	4	4.2	171	0.7	10.5	0.208	0.27	3.2	17	67.1	14.5	74
402324	2.85	7.8	6.2	0.034	67.0	79.9	< 1	0.33	323	45.6	4.7	4	3.8	135	0.6	10.8	0.169	0.26	3.4	14	12.7	13.9	81
402325	0.124	8.4	6.0	0.040	120	31.7	1	0.32	282	43.8	15.6	4	3.9	37	0.6	11.6	0.181	0.76	3.6	15	19.4	14.5	416
402326	1.49	9.0	6.1	0.044	115	17.0	1	0.42	379	39.4	6.1	5	4.3	96	0.6	13.8	0.200	0.65	3.9	17	14.0	15.6	43
402327	3.03	9.2	6.0	0.040	76.3	46.0	< 1	0.37	374	13.0	3.5	4	4.1	166	0.8	12.3	0.182	0.32	3.8	16	13.1	13.3	78
402328	3.16	8.4	4.7	0.037	64.3	26.2	< 1	0.35	376	15.9	2.7	4	4.1	141	0.7	10.5	0.179	0.22	3.0	16	14.1	11.8	86
402329	3.25	9.0	5.1	0.036	64.5	28.4	< 1	0.35	404	17.7	3.4	4	4.2	133	0.7	9.9	0.186	0.23	2.7	17	22.3	12.2	293
402330	2.96	0.8	21.7	0.019	48.2	7.4	< 1	0.56	259	7.5	< 0.1	5	0.7	320	< 0.1	1.3	0.141	0.21	0.4	32	0.2	5.8	19
402331	2.90	8.5	5.3	0.038	66.9	64.3	< 1	0.31	313	14.0	4.6	4	3.8	128	0.7	11.7	0.186	0.23	3.6	15	26.5	12.6	179
402332	2.93	9.6	5.4	0.040	67.6	13.7	< 1	0.38	402	28.5	4.2	4	3.7	157	0.8	11.7	0.204	0.26	3.5	18	11.8	13.1	73
402333	2.42	7.2	4.7	0.034	73.4	16.1	< 1	0.37	380	47.3	6.9	4	3.5	104	0.2	10.5	0.180	0.31	3.1	15	13.7	11.9	63

Analyte Symbol	Na	Nb	Ni	P	Rb	Pb	S	Mg	Mn	Mo	Sb	Sc	Sn	Sr	Ta	Th	Ti	Tl	U	V	W	Y	Zn
Unit Symbol	%	ppm	ppm	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.1	0.1	0.001	0.1	0.1	1	0.01	1	0.1	0.1	1	0.1	1	0.1	0.1	0.001	0.05	0.1	4	0.1	0.1	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
402334	2.98	8.5	5.3	0.037	71.2	16.9	< 1	0.39	437	69.6	9.5	5	3.8	140	0.3	10.8	0.188	0.31	3.0	20	34.4	11.9	57
402335	2.41	6.7	5.3	0.034	73.1	17.6	< 1	0.36	370	23.4	7.3	4	3.8	98	0.1	10.9	0.175	0.29	3.3	14	25.8	11.7	74
402336	2.56	10.3	6.1	0.044	73.7	20.5	< 1	0.44	488	10.8	6.8	6	6.3	110	0.4	9.3	0.235	0.33	2.0	23	156	14.1	95
402337	1.80	9.4	7.2	0.050	84.6	17.5	< 1	0.52	529	9.4	9.8	7	5.3	127	0.2	9.9	0.263	0.42	2.9	27	105	17.0	484
402339	2.03	9.7	6.9	0.044	68.8	21.7	< 1	0.49	637	11.6	4.4	6	4.3	185	0.7	9.5	0.235	0.28	2.8	26	55.7	18.2	163
402340	1.99	11.3	6.8	0.044	57.6	23.5	< 1	0.45	616	8.5	4.7	4	4.3	124	0.9	4.6	0.255	0.31	2.2	26	24.8	9.6	77
402341	3.06	12.4	7.1	0.051	65.6	30.8	< 1	0.55	603	8.7	2.3	7	4.1	154	1.0	9.1	0.304	0.25	2.9	31	10.7	13.1	76
402342	2.85	9.0	7.7	0.055	73.9	14.0	< 1	0.57	581	7.3	2.7	8	3.9	201	0.4	12.0	0.305	0.26	3.5	33	8.1	16.4	80
402343	2.30	9.6	7.1	0.046	67.2	50.0	< 1	0.48	506	11.1	5.4	7	4.1	129	0.6	9.9	0.248	0.23	2.9	28	18.1	14.9	395
402344	2.34	10.2	7.5	0.053	80.6	12.6	< 1	0.56	551	9.7	3.4	7	4.1	147	0.7	11.2	0.277	0.32	3.3	32	22.4	15.6	106
402345	2.28	10.3	8.3	0.051	72.5	14.4	< 1	0.55	538	10.8	3.1	6	3.6	164	0.7	11.2	0.267	0.29	15.2	27	26.3	16.1	59
402346	2.70	12.4	7.8	0.057	76.4	12.0	< 1	0.55	585	10.0	3.0	7	6.5	190	0.8	10.5	0.293	0.32	2.9	31	13.4	15.6	90
402348	3.05	16.0	11.1	0.068	115	16.4	2	0.68	724	12.0	4.9	9	5.8	146	1.3	13.9	0.367	0.50	3.8	38	19.7	18.8	253
402349	2.96	11.6	7.4	0.053	63.1	16.3	< 1	0.56	568	8.9	4.1	6	3.6	195	0.9	9.7	0.271	0.26	2.8	29	7.5	14.6	102
402350	1.47	2.5	11.0	0.066	70.2	18.8	< 1	1.28	831	5.7	2.3	13	0.8	307	0.1	2.9	0.313	0.54	0.8	103	2.0	10.4	67
402351	2.28	11.7	7.5	0.051	61.4	14.3	< 1	0.51	564	10.3	5.8	5	3.0	133	0.9	5.9	0.274	0.36	2.5	24	9.9	10.2	95
402353	1.86	12.1	7.3	0.054	95.9	21.3	< 1	0.58	625	10.6	9.5	7	4.7	147	0.8	12.0	0.275	0.45	3.5	27	21.1	17.5	112
402354	2.10	12.6	7.7	0.061	107	11.6	< 1	0.60	635	10.6	5.5	7	5.0	128	0.9	13.0	0.287	0.52	3.6	27	17.6	18.9	227
402355	2.31	12.0	7.1	0.053	90.1	24.7	< 1	0.51	596	10.4	6.1	6	5.5	140	0.9	12.0	0.254	0.35	3.3	25	12.3	17.0	131
402356	2.83	10.9	7.3	0.053	78.1	18.9	< 1	0.48	599	9.4	5.9	6	4.7	143	0.7	11.7	0.246	0.29	3.4	23	21.0	15.7	281
402357	0.982	10.1	7.1	0.049	104	74.9	1	0.53	582	12.6	6.0	5	4.3	75	0.6	10.7	0.219	0.51	3.1	22	18.8	16.1	102
402358	2.83	11.1	7.8	0.052	70.8	32.2	< 1	0.51	537	9.5	5.2	6	4.5	164	0.7	10.2	0.247	0.26	3.0	23	> 200	15.4	151
402359	3.18	11.8	6.9	0.049	52.5	29.6	< 1	0.47	533	10.3	8.7	4	5.6	131	0.9	7.8	0.244	0.25	1.8	24	4.8	11.9	247
402360	3.04	1.8	23.3	0.020	44.2	7.3	< 1	0.56	273	9.4	< 0.1	5	0.6	279	< 0.1	1.4	0.162	0.21	0.3	33	0.2	5.1	21
402361	2.35	11.2	7.8	0.051	94.0	71.4	1	0.49	558	9.0	7.0	7	5.7	88	0.9	10.1	0.237	0.39	2.8	23	35.4	14.3	308
402362	2.24	12.0	7.1	0.055	90.5	83.3	< 1	0.50	581	9.7	6.1	6	5.8	119	0.9	11.5	0.257	0.36	3.1	26	11.0	15.5	598
402363	2.96	12.1	6.5	0.048	60.8	18.8	< 1	0.42	554	8.1	4.4	4	5.5	180	1.0	5.7	0.257	0.31	2.6	23	6.1	10.1	92
402364	3.05	10.9	6.5	0.044	80.7	17.8	< 1	0.42	497	9.3	2.8	5	5.5	156	0.8	11.5	0.220	0.30	3.1	20	23.9	13.8	84
402365	2.42	10.3	6.6	0.042	68.5	126	< 1	0.38	465	16.0	5.8	5	5.4	127	0.7	9.5	0.220	0.26	2.8	20	24.1	13.5	98
402366	3.18	10.5	7.0	0.047	72.9	14.9	< 1	0.46	480	11.3	4.0	5	4.4	157	0.6	11.7	0.232	0.29	3.1	22	8.6	15.6	75
402367	2.78	5.2	6.5	0.046	80.7	21.2	< 1	0.46	481	8.9	8.7	6	3.5	167	0.2	11.8	0.222	0.34	3.7	22	66.4	16.0	75
402368	0.646	9.7	6.9	0.046	132	12.0	< 1	0.54	531	8.9	7.0	6	3.1	80	0.5	12.3	0.245	0.78	3.2	25	13.5	17.4	46
402369	3.38	13.1	8.5	0.054	68.6	225	< 1	0.58	644	10.2	7.8	7	3.8	203	1.0	12.9	0.279	0.26	3.7	29	15.6	18.1	1010
402370	3.02	12.1	7.8	0.051	54.9	93.3	< 1	0.49	581	10.9	6.1	6	3.6	139	0.9	9.1	0.251	0.23	2.4	28	13.1	13.4	398
402371	3.10	11.8	6.3	0.045	63.2	53.0	< 1	0.44	514	8.2	3.7	5	2.9	151	0.9	9.7	0.236	0.30	2.5	22	7.7	13.1	89
402372	3.44	6.2	6.6	0.048	73.3	14.5	< 1	0.49	469	9.6	2.3	6	2.7	176	0.4	13.3	0.238	0.32	3.6	24	67.4	18.1	60
402373	3.22	4.4	6.3	0.045	74.4	14.8	< 1	0.52	486	7.8	1.6	7	2.5	182	0.2	12.2	0.237	0.31	3.6	24	2.5	18.6	64
402374	3.11	6.5	5.7	0.042	79.9	12.1	< 1	0.45	473	7.2	2.8	5	2.9	173	0.1	12.8	0.219	0.33	3.6	23	6.2	16.1	58
402375	2.47	4.3	6.2	0.047	82.1	10.4	< 1	0.46	450	9.0	3.7	6	3.1	145	0.3	14.2	0.213	0.38	4.0	20	4.9	19.3	63
402376	1.19	11.0	6.8	0.047	98.1	75.3	< 1	0.53	478	13.0	14.7	7	3.8	107	0.7	12.8	0.227	0.53	3.9	23	135	18.4	253
402377	2.30	12.0	8.4	0.050	82.1	23.5	< 1	0.50	540	11.2	8.5	7	3.8	154	1.0	13.8	0.233	0.40	5.2	23	18.9	21.9	78
402378	3.48	12.0	6.9	0.050	60.9	13.3	< 1	0.53	517	10.3	3.3	6	3.7	131	0.8	9.7	0.253	0.33	3.6	25	5.1	21.5	96

Analyte Symbol	Na	Nb	Ni	P	Rb	Pb	S	Mg	Mn	Mo	Sb	Sc	Sn	Sr	Ta	Th	Ti	Tl	U	V	W	Y	Zn
Unit Symbol	%	ppm	ppm	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.1	0.1	0.001	0.1	0.1	1	0.01	1	0.1	0.1	1	0.1	1	0.1	0.1	0.001	0.05	0.1	4	0.1	0.1	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
402379	2.73	13.1	6.7	0.054	83.8	11.4	< 1	0.53	526	9.1	4.7	7	5.8	168	1.5	12.4	0.255	0.45	4.5	25	15.8	23.0	114
402380	0.676	0.4	15.9	0.427	526	8.1	< 1	0.60	3030	182	0.3	2	96.3	74	< 0.1	2.0	0.111	5.97	7.4	50	> 200	4.5	312
402381	0.089	10.3	7.0	0.052	130	9.1	< 1	0.57	542	12.5	7.6	6	4.8	75	0.5	12.5	0.262	0.94	3.5	24	29.3	20.1	45
402382	0.562	8.3	7.5	0.049	132	9.8	< 1	0.54	519	12.3	7.6	7	5.2	76	< 0.1	13.0	0.278	0.97	3.3	28	26.6	21.9	98
402383	2.58	10.6	6.4	0.057	98.2	9.3	< 1	0.51	499	9.9	4.5	7	4.9	123	0.5	11.7	0.275	0.54	3.0	26	21.8	19.4	72
402384	1.58	11.0	7.5	0.050	97.5	11.9	< 1	0.53	492	11.5	4.8	7	4.8	91	0.7	11.1	0.249	0.52	2.9	23	38.3	17.4	828
402385	0.096	10.7	6.3	0.051	117	46.6	2	0.44	355	11.3	8.4	6	5.2	43	0.6	9.1	0.218	0.68	2.9	23	17.5	17.4	67
402386	2.46	11.5	6.3	0.050	86.6	47.3	< 1	0.52	471	10.6	3.9	6	3.3	124	0.8	11.1	0.248	0.45	2.9	24	12.4	16.4	215
402387	2.01	12.1	6.5	0.051	88.2	76.8	< 1	0.54	514	10.7	3.8	6	3.2	111	1.0	10.9	0.246	0.53	3.1	23	19.1	16.7	313
402388	0.098	12.7	7.0	0.052	131	5.8	< 1	0.49	458	11.9	4.2	6	3.4	62	1.1	12.8	0.258	0.90	3.6	24	16.3	19.3	39
402389	0.135	12.7	7.4	0.054	137	8.6	< 1	0.53	504	11.4	4.4	7	3.9	61	0.9	12.7	0.259	0.88	3.2	26	17.2	18.8	65
402390	3.16	0.9	22.4	0.021	47.5	7.1	< 1	0.57	294	7.1	< 0.1	6	0.7	338	< 0.1	1.2	0.156	0.21	0.3	35	0.1	5.9	18
402391	0.325	12.2	6.9	0.050	115	9.2	< 1	0.55	577	12.5	5.4	7	3.1	60	0.9	11.1	0.257	1.22	3.0	23	21.1	18.6	23
402392	0.082	8.4	6.7	0.054	132	7.3	< 1	0.58	434	10.6	5.2	7	4.3	55	0.2	12.6	0.260	0.88	3.3	26	19.3	19.0	27
402393	0.081	11.9	7.5	0.062	133	12.7	< 1	0.76	494	10.0	5.6	7	3.7	69	0.8	11.9	0.298	0.86	3.2	30	23.9	19.2	32
402394	0.080	9.0	10.6	0.033	112	16.2	< 1	0.75	336	11.9	4.7	5	2.9	64	0.7	12.4	0.132	0.69	5.3	14	11.2	21.3	27
402395	0.137	0.5	146	0.023	90.8	21.8	< 1	2.33	900	4.1	5.1	17	2.7	89	< 0.1	9.1	0.326	0.35	2.6	77	4.3	23.5	514
402396	0.802	8.4	220	0.020	67.4	9.8	< 1	4.35	1090	5.8	6.7	13	2.8	316	0.2	8.8	0.417	0.30	2.4	87	36.3	15.9	46
402397	0.028	1.9	269	0.037	12.8	29.1	< 1	5.92	1590	5.2	2.8	17	0.7	461	< 0.1	0.8	0.409	< 0.05	0.3	109	3.1	10.9	252
402398	0.470	3.6	56.8	0.033	57.9	4.1	< 1	4.12	1070	2.2	3.5	40	0.8	140	0.2	0.9	0.521	0.25	0.4	244	8.6	12.3	71
402399	0.509	3.6	82.3	0.037	58.4	2.7	< 1	3.81	1100	2.0	3.7	39	0.8	156	0.1	1.0	0.537	0.25	0.5	239	9.1	13.2	51
402400	0.565	0.9	72.3	0.037	64.3	2.3	< 1	3.66	979	1.4	2.2	42	4.3	131	< 0.1	1.0	0.495	0.28	0.6	236	0.9	13.3	51
402401	0.291	1.4	37.7	0.031	56.0	4.0	< 1	3.83	1100	2.8	1.0	36	0.6	158	< 0.1	0.8	0.457	0.27	0.4	211	1.4	11.7	93
402413	2.25	8.3	14.6	0.080	17.4	4.2	< 1	1.85	1410	3.8	1.0	17	1.2	265	0.5	0.7	0.765	0.20	0.7	212	1.7	15.0	58
402414	2.49	0.1	37.2	0.039	38.1	3.7	< 1	3.03	2030	0.2	0.1	24	< 0.1	199	< 0.1	1.1	0.205	0.17	0.4	97	0.1	12.7	83
402415	2.56	0.1	24.7	0.064	49.8	3.7	< 1	2.40	1810	0.1	< 0.1	27	0.3	196	< 0.1	1.6	0.176	0.25	0.8	63	0.1	19.8	83
402416	2.91	0.2	16.6	0.080	59.2	6.4	< 1	1.92	1510	0.2	< 0.1	30	0.6	265	< 0.1	1.9	0.228	0.34	1.5	112	0.1	24.9	75
402417	2.49	0.3	13.4	0.073	70.8	5.0	< 1	1.75	1320	0.3	0.2	26	1.1	222	< 0.1	1.8	0.313	0.37	1.1	105	< 0.1	20.8	69
402418	2.60	0.9	12.4	0.082	58.2	7.5	< 1	1.84	1120	0.4	< 0.1	27	0.6	260	< 0.1	2.0	0.337	0.31	0.9	98	0.1	21.8	63
402419	1.78	0.9	14.8	0.084	59.2	13.0	< 1	1.94	973	1.1	0.1	28	0.9	226	< 0.1	1.9	0.436	0.34	1.0	144	0.1	25.0	80
402420	0.205	2.9	67.1	0.085	69.5	12.3	3	0.98	4630	322	6.6	7	11.6	75	< 0.1	1.3	0.252	0.30	56.3	105	103	16.4	40
402421	1.55	3.1	13.4	0.082	70.7	26.1	< 1	1.91	935	1.5	0.2	27	2.0	195	< 0.1	1.8	0.522	0.36	1.1	148	1.3	18.8	77
402422	0.899	0.2	8.2	0.079	78.2	40.5	< 1	1.66	1090	0.3	< 0.1	28	0.1	164	< 0.1	1.5	0.188	0.40	0.8	87	0.4	12.4	235
402423	0.423	0.4	5.2	0.068	59.1	35.7	< 1	1.62	1250	1.5	0.2	25	0.5	94	< 0.1	1.5	0.430	0.27	0.9	135	0.4	13.6	166
402424	0.422	2.3	11.0	0.066	66.8	57.6	< 1	1.86	1280	3.8	0.2	22	0.5	103	< 0.1	1.3	0.572	0.30	0.9	166	1.4	10.9	257
402425	0.119	5.4	11.0	0.073	56.4	29.6	2	1.96	1630	4.2	0.3	26	5.7	77	0.2	1.6	0.681	0.21	3.5	209	5.3	11.3	198
402426	0.367	4.1	24.3	0.053	85.0	17.6	4	1.51	969	3.1	0.2	21	0.3	40	0.2	0.7	0.540	0.44	0.5	174	3.3	6.7	142
402427	0.716	5.1	23.4	0.069	49.1	27.6	4	1.70	1120	3.5	3.7	18	1.4	84	0.2	1.0	0.537	0.26	0.7	123	3.3	11.6	241
402428	0.762	2.4	24.1	0.086	64.4	16.9	2	2.24	1150	1.4	0.2	30	6.9	125	< 0.1	1.5	0.602	0.38	1.0	201	0.8	22.6	96
402429	1.52	2.0	18.0	0.089	109	5.4	< 1	2.06	989	1.2	0.1	32	0.8	225	< 0.1	1.6	0.642	0.69	1.0	192	0.6	27.1	96
402430	1.40	6.5	19.9	0.094	74.4	5.7	< 1	2.01	992	1.9	0.4	24	1.0	202	< 0.1	1.0	0.875	0.70	0.8	245	7.3	21.0	76
402431	0.953	0.5	31.2	0.060	48.5	3.9	1	2.22	1050	0.9	0.1	22	1.0	168	< 0.1	1.3	0.417	0.24	0.6	167	0.1	16.1	95

Analyte Symbol	Na	Nb	Ni	P	Rb	Pb	S	Mg	Mn	Mo	Sb	Sc	Sn	Sr	Ta	Th	Ti	Tl	U	V	W	Y	Zn
Unit Symbol	%	ppm	ppm	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.1	0.1	0.001	0.1	0.1	1	0.01	1	0.1	0.1	1	0.1	1	0.1	0.1	0.001	0.05	0.1	4	0.1	0.1	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
402432	0.330	3.0	25.5	0.033	42.9	6.7	5	2.48	967	3.5	2.2	20	0.9	53	0.1	0.7	0.457	0.30	0.4	160	2.3	7.3	157
402433	1.09	1.8	32.4	0.042	46.5	2.7	1	2.57	1020	2.8	0.1	23	0.6	140	< 0.1	1.1	0.507	0.24	0.5	185	0.2	9.7	136
402434	1.89	0.5	32.2	0.043	60.1	2.4	< 1	2.74	969	1.0	< 0.1	25	0.2	136	< 0.1	1.2	0.386	0.25	0.5	157	0.1	12.1	80
402435	0.718	5.2	19.6	0.082	78.0	3.8	< 1	2.40	945	2.3	0.1	31	1.6	145	0.2	1.8	0.739	0.54	0.7	270	0.3	26.0	71
402436	1.76	7.3	182	0.081	29.8	4.5	< 1	5.02	1090	3.2	1.2	29	1.3	167	0.4	2.3	0.619	0.20	0.8	194	11.0	18.2	67
402437	0.911	3.3	650	0.039	3.3	1.9	< 1	11.0	1120	3.2	0.5	26	0.6	78	0.2	1.8	0.341	< 0.05	0.6	119	0.3	11.2	68
402438	2.00	6.4	323	0.071	20.8	3.8	< 1	7.26	1260	2.9	0.5	30	1.1	152	0.4	2.2	0.588	0.09	0.8	198	1.1	17.4	62
402439	0.732	0.8	20.7	0.075	25.1	2.7	< 1	2.54	1440	2.0	< 0.1	29	1.7	113	< 0.1	1.7	0.547	0.15	0.7	207	0.1	19.6	94
402440	3.00	3.0	23.3	0.019	30.5	7.0	< 1	0.52	279	13.8	0.1	3	0.8	196	0.2	0.6	0.170	0.21	0.2	35	0.4	3.5	18
402441	1.56	0.1	22.8	0.077	20.1	2.7	< 1	2.69	1470	0.3	< 0.1	33	0.3	227	< 0.1	1.9	0.249	0.09	0.8	160	< 0.1	25.8	106
402442	1.93	0.1	20.4	0.080	23.2	3.3	< 1	2.34	1400	0.6	0.1	32	1.9	238	< 0.1	1.9	0.358	0.12	0.8	130	< 0.1	26.6	91
402443	2.23	0.1	21.7	0.058	17.9	3.0	< 1	2.39	1330	0.2	< 0.1	26	0.9	295	< 0.1	1.5	0.201	0.06	0.6	115	< 0.1	18.0	74
402444	2.14	0.1	33.2	0.042	26.1	2.0	< 1	2.73	1260	0.4	< 0.1	23	0.3	184	< 0.1	1.1	0.238	0.09	0.4	90	< 0.1	12.3	83
402445	1.94	1.0	23.8	0.048	17.8	3.0	< 1	2.60	1230	1.3	0.1	22	13.0	312	< 0.1	1.2	0.403	0.06	0.4	130	0.1	13.2	104
402446	1.83	0.3	18.4	0.105	17.8	3.2	< 1	1.83	1370	0.4	0.2	25	1.5	271	< 0.1	2.1	0.347	0.07	0.8	128	< 0.1	20.9	46
402447	2.02	7.0	13.2	0.140	8.9	4.2	< 1	1.88	1360	1.6	0.5	27	2.3	305	0.2	2.4	0.812	< 0.05	1.0	175	0.2	31.5	84
402448	2.31	0.4	14.8	0.143	16.7	2.7	< 1	2.20	1470	0.8	0.2	31	0.9	312	< 0.1	2.8	0.474	< 0.05	1.1	150	< 0.1	34.3	112
402449	1.50	3.4	18.3	0.125	18.1	2.9	< 1	2.15	1430	0.8	0.3	27	1.6	249	< 0.1	2.4	0.529	0.06	1.2	123	0.1	29.3	107
402450	0.927	2.3	11.0	0.063	93.8	21.3	< 1	1.03	649	7.1	2.3	11	1.6	230	0.1	2.8	0.298	0.99	0.7	100	3.5	9.7	84
402451	1.41	0.1	13.6	0.129	12.6	3.0	< 1	2.13	1350	0.2	0.1	27	1.8	220	< 0.1	2.5	0.235	< 0.05	1.1	96	< 0.1	29.6	113
402452	0.014	0.3	6.8	0.053	8.6	1.3	< 1	1.78	1590	1.0	0.2	11	0.5	120	< 0.1	1.0	0.355	< 0.05	0.5	84	0.1	18.0	174
402453	1.54	0.5	13.8	0.132	43.2	1.8	2	2.06	971	0.4	0.2	29	2.8	100	< 0.1	2.3	0.479	0.22	1.0	89	0.1	20.4	104
402454	0.279	0.4	9.2	0.070	26.2	2.5	1	1.59	835	1.1	0.3	16	1.6	85	< 0.1	1.3	0.377	0.13	0.6	133	< 0.1	18.5	64
402455	1.91	0.3	13.2	0.131	12.7	3.4	< 1	1.96	1220	0.3	0.2	28	0.7	321	< 0.1	2.4	0.320	< 0.05	1.0	107	< 0.1	30.0	99
402456	1.57	0.1	16.3	0.106	22.8	3.3	< 1	1.91	1510	0.2	< 0.1	26	1.0	308	< 0.1	2.0	0.195	0.06	0.8	75	0.1	24.5	105
402457	2.90	0.1	6.4	0.081	20.4	4.2	< 1	1.86	1190	0.2	< 0.1	24	0.5	308	< 0.1	1.4	0.200	0.05	1.2	54	< 0.1	20.0	115
402458	1.51	0.1	13.6	0.122	8.8	4.4	< 1	1.95	1440	0.2	0.1	31	95.0	389	< 0.1	2.4	0.177	< 0.05	1.0	77	< 0.1	30.9	134
410997	0.476	5.3	19.0	0.053	35.0	> 5000	> 10.0	1.33	640	17.4	21.8	9	7.9	24	0.3	2.8	0.152	1.05	1.3	28	3.4	14.6	> 10000

Analyte Symbol	Zr
Unit Symbol	ppm
Lower Limit	0.1
Method Code	TD-MS
402291	103
402292	184
402293	178
402294	182
402295	183
402296	181
402297	185
402298	175
402299	182
402300	53.9
402301	182
402303	166
402304	164
402305	181
402306	196
402307	184
402308	179
402309	179
402310	189
402311	166
402312	180
402313	178
402314	182
402315	190
402316	180
402317	177
402318	183
402319	180
402320	117
402321	179
402322	174
402323	190
402324	162
402325	167
402326	186
402327	176
402328	168
402329	184
402330	44.8
402331	168
402332	188
402333	164

Analyte Symbol	Zr
Unit Symbol	ppm
Lower Limit	0.1
Method Code	TD-MS
402334	188
402335	166
402336	184
402337	187
402339	164
402340	174
402341	196
402342	199
402343	176
402344	184
402345	183
402346	211
402348	266
402349	202
402350	69.5
402351	199
402353	202
402354	248
402355	213
402356	215
402357	195
402358	210
402359	212
402360	44.5
402361	206
402362	223
402363	223
402364	207
402365	191
402366	201
402367	192
402368	204
402369	211
402370	191
402371	193
402372	203
402373	119
402374	193
402375	194
402376	201
402377	218
402378	224

Analyte Symbol	Zr
Unit Symbol	ppm
Lower Limit	0.1
Method Code	TD-MS
402379	227
402380	28.0
402381	224
402382	104
402383	242
402384	218
402385	206
402386	223
402387	221
402388	228
402389	245
402390	47.2
402391	235
402392	213
402393	227
402394	173
402395	129
402396	158
402397	42.5
402398	52.2
402399	52.1
402400	49.2
402401	41.8
402413	50.5
402414	23.6
402415	24.4
402416	57.8
402417	40.8
402418	39.2
402419	39.0
402420	108
402421	50.0
402422	34.2
402423	33.8
402424	34.8
402425	42.5
402426	31.3
402427	47.2
402428	56.3
402429	35.9
402430	49.8
402431	49.0

Analyte Symbol	Zr
Unit Symbol	ppm
Lower Limit	0.1
Method Code	TD-MS
402432	26.5
402433	26.7
402434	32.9
402435	39.2
402436	78.4
402437	69.4
402438	83.9
402439	58.3
402440	49.1
402441	47.8
402442	27.0
402443	18.9
402444	15.1
402445	20.7
402446	50.3
402447	57.9
402448	60.4
402449	38.3
402450	68.4
402451	22.0
402452	39.7
402453	20.8
402454	34.0
402455	29.2
402456	13.8
402457	34.2
402458	21.7
410997	117

Analyte Symbol	Te	Cu	Pb	Zn	Al	Ag	As	Au	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Cs	Fe	Hf	K	La	Li
Unit Symbol	ppm	%	%	%	%	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm
Lower Limit	0.1	0.005	0.01	0.01	0.01	0.1	1	100	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.1	0.01	0.1	0.01	0.1	0.1
Method Code	TD-MS	FUS-Na2O2	FUS-Na2O2	FUS-Na2O2	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	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-1 Meas	9.0				2.15	34.6	435	> 2000	681	< 1	1460	0.90	2.7	15	8.1	14	1270	3.4	26.4	0.4	0.05	8.2	8.4
GXR-1 Cert	13.0				3.52	31.0	427	3300	750	1.22	1380	0.960	3.30	17.0	8.20	12.0	1110	3.00	23.6	0.960	0.050	7.50	8.20
GXR-1 Meas					2.12	33.3	449	> 2000	711	< 1	1380	0.88	2.6	16	8.0	26	1130	2.8	25.8	0.6	0.05	8.2	8.0
GXR-1 Cert					3.52	31.0	427	3300	750	1.22	1380	0.960	3.30	17.0	8.20	12.0	1110	3.00	23.6	0.960	0.050	7.50	8.20
DH-1a Meas																							
DH-1a Cert																							
DH-1a Meas																							
DH-1a Cert																							
GXR-4 Meas					6.68	3.6	105	300	118	2	17.7	0.98	0.2	107	13.8	44	6090	2.4	3.17	1.2	4.10	56.6	12.2
GXR-4 Cert					7.20	4.0	98.0	500	1640	1.90	19.0	1.01	0.860	102	14.6	64.0	6520	2.80	3.09	6.30	4.01	64.5	11.1
PTM-1a Meas		23.7																					
PTM-1a Cert		24.96																					
SDC-1 Meas					8.82		< 1		612	3		1.07		81	17.1	52	29.2	4.5	4.91	0.8	2.95	39.2	39.0
SDC-1 Cert					8.34		0.220		630	3.00		1.00		93.00	18.0	64.00	30.000	4.00	4.82	8.30	2.72	42.00	34.0
SDC-1 Meas					8.91		< 1		680	3		1.05		89	16.8	45	29.6	4.0	4.82	0.8	2.69	42.0	36.5
SDC-1 Cert					8.34		0.220		630	3.00		1.00		93.00	18.0	64.00	30.000	4.00	4.82	8.30	2.72	42.00	34.0
GXR-6 Meas	< 0.1				14.4	0.3	285	100	1390	1	0.2	0.19	< 0.1	36	13.2	55	70.9	4.3	6.07	2.5	2.02	13.3	38.3
GXR-6 Cert	0.0180				17.7	1.30	330	95.0	1300	1.40	0.290	0.180	1.00	36.0	13.8	96.0	66.0	4.20	5.58	4.30	1.87	13.9	32.0
Oreas 74a (Fusion) Meas		0.123																					
Oreas 74a (Fusion) Cert		0.124																					
OREAS 134b (Fusion) Meas		0.134	13.0	17.4																			
OREAS 134b (Fusion) Cert		0.134	13.20	18.12																			
MP-1b Meas		3.07	2.05	16.1																			
MP-1b Cert		3.07	2.09	16.7																			
DNC-1a Meas									100						54.5	162	115					3.9	5.4
DNC-1a Cert									118						57	270	100					3.6	5.2
DNC-1a Meas									111						54.4	173	95.4					3.8	4.5
DNC-1a Cert									118						57	270	100					3.6	5.2
CPB-2 Meas		0.123	62.3	5.94																			
CPB-2 Cert		0.1213	63.52	6.04																			
CZN-4 Meas		0.409	0.18	53.6																			
CZN-4 Cert		0.403	0.1861	55.07																			
SBC-1 Meas							27		725	3	0.7		0.3	108	21.2	88	31.8	8.3		3.7		51.3	169
SBC-1 Cert							25.7		788.0	3.20	0.70		0.40	108.0	22.7	109	31.0000	8.2		3.7		52.5	163
OREAS 45d (4-Acid) Meas					8.47		6		179	< 1	0.4	0.18		36	30.9	593	413	4.4	15.5	2.5	0.43	17.6	22.9
OREAS 45d (4-Acid) Cert					8.150		13.8		183.0	0.79	0.31	0.185		37.20	29.50	549	371	3.910	14.5	3.830	0.412	16.9	21.5

Analyte Symbol	Te	Cu	Pb	Zn	Al	Ag	As	Au	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Cs	Fe	Hf	K	La	Li
Unit Symbol	ppm	%	%	%	%	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm
Lower Limit	0.1	0.005	0.01	0.01	0.01	0.1	1	100	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.1	0.01	0.1	0.01	0.1	0.1
Method Code	TD-MS	FUS-Na2O2	FUS-Na2O2	FUS-Na2O2	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	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 45d (4-Acid) Meas					8.75		5		190	< 1	0.3	0.19		36	31.3	469	367	3.7	15.4	1.8	0.42	17.0	23.5
OREAS 45d (4-Acid) Cert					8.150		13.8		183.0	0.79	0.31	0.185		37.20	29.50	549	371	3.910	14.5	3.830	0.412	16.9	21.5
PTC-1b Meas		7.80	0.08	0.21																			
PTC-1b Cert		7.97	0.08	0.2083																			
SdAR-M2 (U.S.G.S.) Meas									1020	7	1.0		5.3	89	12.4	34	238	1.7		3.8		41.3	19.1
SdAR-M2 (U.S.G.S.) Cert									990	6.6	1.05		5.1	98.8	12.4	49.6	236.0000	1.82		7.29		46.6	17.9
CCU-1e Meas			0.71	3.01																			
CCU-1e Cert			0.703	3.02																			
402291 Orig	< 0.1				6.62	< 0.1	36	< 100	550	1	0.2	4.02	0.3	30	23.9	232	85.4	1.1	4.47	2.8	2.07	14.0	13.0
402291 Dup	< 0.1				6.44	< 0.1	35	< 100	542	1	0.2	4.11	0.3	32	25.1	256	85.1	1.1	4.50	3.0	2.10	15.0	12.8
402330 Orig	< 0.1				6.69	< 0.1	< 1	< 100	399	< 1	< 0.1	1.75	< 0.1	18	5.5	111	9.3	0.8	1.51	1.1	1.30	9.1	8.7
402330 Dup	< 0.1				6.81	< 0.1	< 1	< 100	417	1	< 0.1	1.85	< 0.1	19	5.7	119	8.9	0.7	1.54	1.4	1.36	9.0	9.0
402332 Orig	0.3				7.00	0.1	14	< 100	713	2	1.6	1.73	0.6	62	7.4	92	66.0	0.7	2.30	5.2	2.14	31.9	8.1
402332 Dup	0.3				7.18	0.1	17	< 100	687	2	1.6	1.69	0.7	62	8.7	94	64.3	0.6	2.27	5.3	2.19	32.3	8.0
402371 Orig	0.2				5.92	1.0	43	100	531	2	3.4	1.89	0.8	50	5.7	115	24.0	0.7	2.53	5.3	2.04	23.5	6.6
402371 Dup	0.3				7.29	1.0	44	< 100	619	2	4.1	2.09	0.8	64	5.4	103	25.0	0.8	2.62	5.5	2.11	30.3	6.8
402376 Orig	0.4				6.97	0.8	920	100	390	2	8.1	1.71	2.6	69	4.4	115	29.7	1.4	2.79	5.7	3.09	35.1	8.1
402376 Dup	0.3				7.11	0.8	889	200	403	2	7.4	1.70	2.4	76	4.6	126	28.4	1.3	2.70	5.9	2.87	37.9	8.1
402418 Orig	< 0.1				9.20	< 0.1	2	< 100	243	< 1	0.3	5.62	< 0.1	31	20.8	38	65.5	1.0	8.10	1.1	1.57	13.7	19.5
402418 Dup	< 0.1				9.46	< 0.1	1	< 100	248	< 1	0.3	5.66	< 0.1	32	19.8	42	69.1	1.1	8.17	1.1	1.59	14.0	19.4
402428 Orig	< 0.1				7.39	1.3	28	400	300	< 1	0.9	2.20	0.2	45	79.4	77	3010	1.6	17.6	1.5	1.75	20.9	26.2
402428 Dup	< 0.1				7.43	1.4	19	500	178	< 1	1.0	2.15	< 0.1	44	75.4	71	2970	1.6	17.1	1.5	1.79	20.2	26.1
402430 Orig	< 0.1				5.34	0.2	3	< 100	480	< 1	0.4	1.52	< 0.1	23	46.3	96	337	2.6	14.8	1.5	1.88	7.9	28.5
402430 Dup	< 0.1				8.99	0.1	1	< 100	492	< 1	0.4	1.84	0.1	52	49.4	86	346	3.3	15.7	1.3	2.51	23.6	30.7
402457 Orig	< 0.1				8.66	< 0.1	< 1	< 100	288	1	< 0.1	5.63	0.1	30	23.7	35	115	0.4	7.21	1.0	0.87	13.1	14.4
402457 Dup	< 0.1				8.97	< 0.1	< 1	< 100	285	< 1	< 0.1	5.86	0.2	31	24.0	38	119	0.4	7.39	0.9	0.85	13.1	14.5
410997 Orig		3.06	0.61	2.39																			
410997 Dup		3.02	0.62	2.38																			
Method Blank					< 0.01	< 0.1	< 1	< 100	< 1	< 1	< 0.1	< 0.01	< 0.1	< 1	< 0.2	3	0.2	< 0.1	< 0.01	< 0.1	< 0.01	< 0.1	0.1
Method Blank					< 0.01	< 0.1	< 1	< 100	< 1	< 1	< 0.1	< 0.01	< 0.1	< 1	< 0.2	2	0.3	< 0.1	0.01	< 0.1	< 0.01	< 0.1	0.1
Method Blank					< 0.01	< 0.1	< 1	< 100	< 1	< 1	< 0.1	< 0.01	< 0.1	< 1	< 0.2	1	0.2	< 0.1	< 0.01	< 0.1	< 0.01	< 0.1	0.1
Method Blank					0.02	< 0.1	< 1	< 100	< 1	< 1	< 0.1	< 0.01	< 0.1	< 1	< 0.2	2	< 0.1	< 0.1	< 0.01	< 0.1	< 0.01	< 0.1	0.1
Method Blank					0.02	< 0.1	< 1	< 100	< 1	< 1	< 0.1	< 0.01	< 0.1	< 1	< 0.2	2	< 0.1	< 0.1	< 0.01	< 0.1	< 0.01	< 0.1	< 0.1
Method Blank					0.02	< 0.1	< 1	< 100	< 1	< 1	< 0.1	< 0.01	< 0.1	< 1	< 0.2	2	< 0.1	< 0.1	< 0.01	< 0.1	< 0.01	0.1	< 0.1
Method Blank	< 0.1																						
Method Blank	< 0.1																						
Method Blank	< 0.1																						
Method Blank		< 0.005	< 0.01	< 0.01																			

Analyte Symbol	Te	Cu	Pb	Zn	Al	Ag	As	Au	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Cs	Fe	Hf	K	La	Li
Unit Symbol	ppm	%	%	%	%	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm
Lower Limit	0.1	0.005	0.01	0.01	0.01	0.1	1	100	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.1	0.01	0.1	0.01	0.1	0.1
Method Code	TD-MS	FUS-Na2O2	FUS-Na2O2	FUS-Na2O2	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	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		< 0.005	< 0.01	< 0.01																			

Analyte Symbol	Na	Nb	Ni	P	Rb	Pb	S	Mg	Mn	Mo	Sb	Sc	Sn	Sr	Ta	Th	Ti	Tl	U	V	W	Y	Zn
Unit Symbol	%	ppm	ppm	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.1	0.1	0.001	0.1	0.1	1	0.01	1	0.1	0.1	1	0.1	1	0.1	0.1	0.001	0.05	0.1	4	0.1	0.1	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-1 Meas	0.049	0.4	44.9	0.063	3.2	808	< 1	0.22	934	18.2	26.0	< 1	25.8	295	< 0.1	2.5	0.024	0.42	32.4	92	131	27.2	938
GXR-1 Cert	0.0520	0.800	41.0	0.0650	14.0	730	0.257	0.217	852	18.0	122	1.58	54.0	275	0.175	2.44	0.036	0.390	34.9	80.0	164	32.0	760
GXR-1 Meas	0.046	0.6	39.2	0.064	3.1	763	< 1	0.22	862	19.4	32.5	< 1	25.4	300	< 0.1	2.7	0.026	0.39	33.8	80	151	28.6	829
GXR-1 Cert	0.0520	0.800	41.0	0.0650	14.0	730	0.257	0.217	852	18.0	122	1.58	54.0	275	0.175	2.44	0.036	0.390	34.9	80.0	164	32.0	760
DH-1a Meas																855			2290				
DH-1a Cert																910			2629				
DH-1a Meas																881			2370				
DH-1a Cert																910			2629				
GXR-4 Meas	0.574	8.8	41.0	0.137	156	49.2	2	1.81	150	332	4.4	7	12.3	200	0.7	20.1	0.285	3.28	5.6	83	35.4	12.6	69
GXR-4 Cert	0.564	10.0	42.0	0.120	160	52.0	1.77	1.66	155	310	4.80	7.70	5.60	221	0.790	22.5	0.29	3.20	6.20	87.0	30.8	14.0	73.0
PTM-1a Meas																							
PTM-1a Cert																							
SDC-1 Meas	1.73	< 0.1	33.7	0.058	136	26.3		1.05	881		< 0.1	15	0.3	173	< 0.1	11.2	0.101	0.66	2.7	38	< 0.1		115
SDC-1 Cert	1.52	21.00	38.0	0.0690	127.00	25.00		1.02	880.00		0.54	17.00	3.00	180.00	1.20	12.00	0.606	0.70	3.10	102.00	0.80		103.00
SDC-1 Meas	1.58	0.2	34.3	0.058	132	24.6		1.11	811		< 0.1	15	0.5	166	< 0.1	12.3	0.114	0.62	2.9	36	0.1		106
SDC-1 Cert	1.52	21.00	38.0	0.0690	127.00	25.00		1.02	880.00		0.54	17.00	3.00	180.00	1.20	12.00	0.606	0.70	3.10	102.00	0.80		103.00
GXR-6 Meas	0.107	0.2	25.7	0.038	89.8	101	< 1	0.66	1020	0.8	0.5	26	1.2	39	< 0.1	5.4		2.27	1.5	138	< 0.1	12.5	133
GXR-6 Cert	0.104	7.50	27.0	0.0350	90.0	101	0.0160	0.609	1010	2.40	3.60	27.6	1.70	35.0	0.485	5.30		2.20	1.54	186	1.90	14.0	118
Oreas 74a (Fusion) Meas																							
Oreas 74a (Fusion) Cert																							
OREAS 134b (Fusion) Meas																							
OREAS 134b (Fusion) Cert																							
MP-1b Meas																							
MP-1b Cert																							
DNC-1a Meas		1.2	266		4.0	6.4					0.3	32		146			0.294			165		15.6	62
DNC-1a Cert		3	247		5	6.3					0.96	31		144			0.29			148		18.0	70
DNC-1a Meas		1.3	260		3.3	6.3					0.6	31		135			0.305			136		15.7	63
DNC-1a Cert		3	247		5	6.3					0.96	31		144			0.29			148		18.0	70
CPB-2 Meas																							
CPB-2 Cert																							
CZN-4 Meas																							
CZN-4 Cert																							
SBC-1 Meas		13.4	83.0		154	36.5				2.4	1.1	20	3.5	170	0.7	16.4	0.520	0.90	5.9	208	1.7	30.5	193
SBC-1 Cert		15.3	82.8		147	35.0				2.4	1.01	20.0	3.3	178.0	1.10	15.8	0.51	0.89	5.76	220.0	1.60	36.5	186
OREAS 45d (4-Acid) Meas	0.103	< 0.1	253	0.035	48.0	22.9	< 1	0.26	538	0.1	< 0.1	55	0.2	32	< 0.1	14.4	0.276	0.26	2.7	136	< 0.1	10.5	41
OREAS 45d (4-Acid) Cert	0.101	14.50	231.0	0.042	42.1	21.8	0.049	0.245	490.000	2.500	0.82	49.30	2.78	31.30	1.02	14.5	0.773	0.27	2.63	235.0	1.62	9.53	45.7
OREAS 45d (4-Acid) Meas	0.099	0.2	237	0.037	44.6	21.8	< 1	0.25	497	0.3	< 0.1	49	2.0	30	< 0.1	15.3	0.241	0.22	2.8	98	0.1	11.1	41

Analyte Symbol	Na	Nb	Ni	P	Rb	Pb	S	Mg	Mn	Mo	Sb	Sc	Sn	Sr	Ta	Th	Ti	Tl	U	V	W	Y	Zn
Unit Symbol	%	ppm	ppm	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.1	0.1	0.001	0.1	0.1	1	0.01	1	0.1	0.1	1	0.1	1	0.1	0.1	0.001	0.05	0.1	4	0.1	0.1	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 45d (4-Acid) Cert	0.101	14.50	231.0	0.042	42.1	21.8	0.049	0.245	490.000	2.500	0.82	49.30	2.78	31.30	1.02	14.5	0.773	0.27	2.63	235.0	1.62	9.53	45.7
PTC-1b Meas																							
PTC-1b Cert																							
SdAR-M2 (U.S.G.S.) Meas		4.4	49.3		155	751				12.6		4		135	0.2	12.9			2.3	23	0.3	24.1	831
SdAR-M2 (U.S.G.S.) Cert		26.2	48.8		149	808				13.3		4.1		144	1.8	14.2			2.53	25.2	2.8	32.7	760
CCU-1e Meas																							
CCU-1e Cert																							
402291 Orig	1.78	0.5	70.6	0.053	85.5	22.6	< 1	1.66	929	3.6	1.6	24	1.7	258	< 0.1	4.1	0.445	0.54	2.0	169	1.4	15.5	114
402291 Dup	1.77	1.1	69.5	0.053	86.5	22.5	< 1	1.64	938	5.2	3.8	24	1.9	258	< 0.1	4.4	0.489	0.54	1.7	177	3.0	15.5	115
402330 Orig	2.95	0.1	21.7	0.017	46.9	7.3	< 1	0.55	254	4.4	< 0.1	5	0.6	299	< 0.1	1.2	0.122	0.21	0.3	27	0.1	5.6	20
402330 Dup	2.98	1.4	21.7	0.020	49.4	7.6	< 1	0.58	264	10.6	< 0.1	5	0.8	341	< 0.1	1.4	0.159	0.21	0.4	37	0.2	5.9	19
402332 Orig	3.01	9.7	5.3	0.041	68.3	13.8	< 1	0.37	407	27.2	4.2	4	3.9	161	0.8	11.8	0.202	0.26	3.5	18	11.8	13.6	73
402332 Dup	2.85	9.5	5.5	0.039	66.8	13.6	< 1	0.38	397	29.8	4.2	4	3.6	154	0.8	11.6	0.206	0.26	3.5	18	11.7	12.7	74
402371 Orig	3.11	11.6	6.7	0.045	56.5	52.1	< 1	0.41	517	8.2	3.6	4	3.0	134	0.9	8.4	0.234	0.30	2.0	21	7.6	12.0	91
402371 Dup	3.10	12.0	6.0	0.045	69.8	54.0	< 1	0.47	511	8.2	3.9	5	2.9	169	0.9	11.0	0.238	0.29	3.0	23	7.8	14.2	88
402376 Orig	1.20	10.7	6.7	0.048	98.6	78.3	< 1	0.54	468	13.3	14.5	7	3.7	109	0.6	12.5	0.227	0.53	4.0	23	140	18.5	254
402376 Dup	1.19	11.3	7.0	0.047	97.5	72.3	< 1	0.52	487	12.7	15.0	6	4.0	106	0.8	13.0	0.227	0.53	3.8	22	130	18.3	251
402418 Orig	2.55	0.9	12.3	0.083	57.5	7.5	< 1	1.83	1120	0.4	< 0.1	27	0.7	260	< 0.1	2.0	0.336	0.31	0.9	98	0.1	21.5	65
402418 Dup	2.65	0.8	12.4	0.081	58.9	7.4	< 1	1.84	1130	0.4	< 0.1	27	0.6	261	< 0.1	2.0	0.338	0.31	1.0	98	0.1	22.0	61
402428 Orig	0.745	3.4	24.5	0.084	64.6	16.7	2	2.24	1150	1.7	0.3	30	0.6	127	0.1	1.5	0.646	0.39	1.0	207	1.1	22.9	92
402428 Dup	0.778	1.4	23.7	0.087	64.2	17.0	2	2.23	1150	1.2	0.2	30	13.2	122	< 0.1	1.5	0.558	0.38	1.0	195	0.4	22.3	100
402430 Orig	1.41	11.2	20.0	0.094	44.4	5.8	< 1	1.84	958	3.1	0.6	17	1.0	182	0.7	0.4	1.00	0.70	0.7	264	13.1	14.9	74
402430 Dup	1.40	1.9	19.8	0.095	104	5.6	< 1	2.17	1030	0.8	0.1	32	0.9	221	< 0.1	1.6	0.745	0.71	0.9	226	1.4	27.0	78
402457 Orig	2.82	0.1	6.2	0.081	20.0	4.1	< 1	1.85	1180	0.2	< 0.1	24	0.6	300	< 0.1	1.4	0.222	0.06	1.7	57	< 0.1	20.0	113
402457 Dup	2.97	0.1	6.7	0.081	20.8	4.4	< 1	1.86	1200	0.2	< 0.1	24	0.3	317	< 0.1	1.4	0.178	0.05	0.6	51	< 0.1	20.0	117
410997 Orig																							
410997 Dup																							
Method Blank	0.001	< 0.1	< 0.1	< 0.001	< 0.1	0.2	< 1	< 0.01	17	< 0.1	< 0.1	< 1	0.4	< 1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.1	< 4	0.1	< 0.1	< 1
Method Blank	0.002	< 0.1	< 0.1	0.001	0.2	0.2	< 1	< 0.01	18	< 0.1	< 0.1	< 1	0.4	< 1	< 0.1	< 0.1	0.005	< 0.05	< 0.1	< 4	0.1	< 0.1	< 1
Method Blank	0.002	< 0.1	0.2	0.002	< 0.1	0.2	< 1	< 0.01	15	< 0.1	< 0.1	< 1	0.3	< 1	< 0.1	< 0.1	0.004	< 0.05	< 0.1	< 4	0.1	< 0.1	< 1
Method Blank	0.003	< 0.1	0.2	0.001	< 0.1	0.2	< 1	< 0.01	8	< 0.1	< 0.1	< 1	0.6	< 1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.1	< 4	< 0.1	< 0.1	< 1
Method Blank	0.002	< 0.1	0.2	< 0.001	0.1	< 0.1	< 1	< 0.01	9	< 0.1	< 0.1	< 1	0.1	< 1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.1	< 4	< 0.1	< 0.1	< 1
Method Blank	0.002	< 0.1	< 0.1	< 0.001	< 0.1	0.2	< 1	< 0.01	9	< 0.1	< 0.1	< 1	0.2	< 1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.1	< 4	< 0.1	< 0.1	< 1
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							

Analyte Symbol	Zr
Unit Symbol	ppm
Lower Limit	0.1
Method Code	TD-MS
GXR-1 Meas	18.3
GXR-1 Cert	38.0
GXR-1 Meas	22.6
GXR-1 Cert	38.0
DH-1a Meas	
DH-1a Cert	
DH-1a Meas	
DH-1a Cert	
GXR-4 Meas	37.7
GXR-4 Cert	186
PTM-1a Meas	
PTM-1a Cert	
SDC-1 Meas	25.7
SDC-1 Cert	290.00
SDC-1 Meas	25.4
SDC-1 Cert	290.00
GXR-6 Meas	77.7
GXR-6 Cert	110
Oreas 74a (Fusion) Meas	
Oreas 74a (Fusion) Cert	
OREAS 134b (Fusion) Meas	
OREAS 134b (Fusion) Cert	
MP-1b Meas	
MP-1b Cert	
DNC-1a Meas	38.3
DNC-1a Cert	38.0
DNC-1a Meas	37.3
DNC-1a Cert	38.0
CPB-2 Meas	
CPB-2 Cert	
CZN-4 Meas	
CZN-4 Cert	
SBC-1 Meas	125
SBC-1 Cert	134.0
OREAS 45d (4-Acid) Meas	95.3
OREAS 45d (4-Acid) Cert	141
OREAS 45d (4-Acid) Meas	60.4

Analyte Symbol	Zr
Unit Symbol	ppm
Lower Limit	0.1
Method Code	TD-MS
OREAS 45d (4-Acid) Cert	141
PTC-1b Meas	
PTC-1b Cert	
SdAR-M2 (U.S.G.S.) Meas	109
SdAR-M2 (U.S.G.S.) Cert	259
CCU-1e Meas	
CCU-1e Cert	
402291 Orig	98.8
402291 Dup	108
402330 Orig	36.9
402330 Dup	52.8
402332 Orig	185
402332 Dup	191
402371 Orig	194
402371 Dup	193
402376 Orig	200
402376 Dup	203
402418 Orig	40.4
402418 Dup	37.9
402428 Orig	59.8
402428 Dup	52.9
402430 Orig	52.7
402430 Dup	46.9
402457 Orig	36.1
402457 Dup	32.3
410997 Orig	
410997 Dup	
Method Blank	0.2
Method Blank	0.2
Method Blank	< 0.1
Method Blank	0.2
Method Blank	0.2
Method Blank	0.5
Method Blank	
Method Blank	
Method Blank	
Method Blank	
Method Blank	

Quality Analysis ... *Innovative Technologies*

Date Submitted: 21-Aug-17
Invoice No.: A17-08916
Invoice Date: 17-Oct-17
Your Reference: SG17-1195 TRUE NORTH NICKEL

Techni-Lab Abitibi Inc.(Actlabs)
184 Rue Principale
Ste-Germaine-Boule Quebec J0Z 1M0
Canada

ATTN: Andre Caouette

CERTIFICATE OF ANALYSIS

194 Pulp samples were submitted for analysis.

The following analytical package(s) were requested: Code UT-4M Total Digestion ICP/MS

REPORT **A17-08916**

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:

Any values for Au are for informational purposes and should be checked by fire assay code 1A2

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
41 Bittern Street, Ancaster, Ontario, Canada, L9G 4V5
TELEPHONE +905 648-9611 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Ancaster@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Te	Al	Ag	As	Au	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Cs	Fe	Hf	K	La	Li	Na	Nb	Ni
Unit Symbol	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm
Lower Limit	0.1	0.01	0.1	1	100	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.1	0.01	0.1	0.01	0.1	0.1	0.001	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
402251	0.1	7.31	0.1	6	< 100	226	1	0.3	5.78	< 0.1	36	31.2	122	145	0.7	11.2	2.0	1.16	16.7	16.9	0.650	4.8	24.1
402252	< 0.1	7.31	< 0.1	20	< 100	324	1	0.2	5.59	< 0.1	34	29.6	102	77.5	1.2	9.63	1.9	1.72	15.9	23.8	0.618	4.9	23.2
402253	< 0.1	7.24	< 0.1	8	< 100	385	1	0.1	7.05	< 0.1	35	26.3	115	67.9	0.7	7.55	2.0	1.81	16.3	16.4	0.443	5.3	22.8
402254	< 0.1	6.23	< 0.1	1	< 100	247	1	0.1	5.19	< 0.1	28	25.7	111	107	0.8	8.00	1.9	1.56	13.0	18.3	0.350	5.5	23.5
402255	< 0.1	6.73	< 0.1	3	< 100	429	1	0.2	5.08	0.1	30	27.8	105	89.5	0.9	8.57	2.0	1.76	14.0	24.0	0.470	6.1	23.2
402256	< 0.1	6.38	< 0.1	2	< 100	254	1	0.1	5.18	< 0.1	28	25.0	98	81.2	0.9	8.07	2.1	1.59	13.0	23.2	0.591	6.1	20.0
402257	0.6	2.68	0.9	6	< 100	64	< 1	0.7	2.63	0.3	10	30.7	157	387	1.6	25.3	1.0	0.49	5.7	7.4	0.127	2.8	137
402258	0.3	2.60	0.5	< 1	< 100	90	< 1	0.5	3.04	0.1	9	14.1	195	402	0.6	14.4	1.0	0.51	4.5	12.3	0.118	2.3	72.0
402259	< 0.1	2.08	< 0.1	2	< 100	159	1	0.1	3.59	< 0.1	8	25.6	94	37.9	0.4	10.3	1.8	0.87	2.7	24.0	0.323	5.9	15.6
402260	0.4	5.43	1.3	3	1300	76	< 1	6.6	3.54	0.1	20	19.6	38	4410	54.0	23.8	1.2	2.56	9.3	107	0.635	20.4	19.5
402261	< 0.1	5.32	0.2	< 1	< 100	89	< 1	0.2	5.65	0.1	26	25.3	248	164	0.5	12.2	2.2	0.53	12.2	17.8	0.123	2.6	54.7
402262	< 0.1	7.05	< 0.1	4	< 100	208	1	0.3	5.33	0.1	24	39.2	293	118	0.7	9.18	2.0	1.09	9.7	24.2	0.417	0.8	88.0
402263	< 0.1	7.99	< 0.1	4	< 100	310	1	0.2	4.59	0.1	25	39.3	321	129	1.2	7.78	2.1	1.82	10.2	23.5	1.23	0.6	77.1
402264	< 0.1	7.35	< 0.1	2	< 100	278	1	0.2	6.31	< 0.1	25	40.3	308	110	0.9	8.03	2.2	1.29	10.2	18.0	0.945	0.7	84.9
402265	< 0.1	7.35	0.2	2	< 100	287	< 1	0.3	5.21	0.2	24	41.8	309	130	0.6	8.30	2.6	1.09	9.9	18.4	1.87	1.3	90.1
402266	< 0.1	7.15	0.3	2	< 100	308	< 1	0.3	4.27	0.5	23	43.2	306	165	0.6	8.55	2.6	0.98	9.3	17.7	1.96	2.0	90.6
402267	< 0.1	7.16	0.3	2	> 2000	369	< 1	0.2	6.09	1.0	20	44.5	270	207	0.5	8.31	2.0	0.94	7.9	11.1	1.98	1.5	72.3
402268	0.2	7.40	3.4	5	300	134	< 1	4.3	3.54	56.1	23	42.2	299	667	0.8	7.28	2.9	1.28	9.0	16.3	2.03	7.1	92.1
402269	< 0.1	6.73	0.2	16	< 100	559	< 1	0.5	5.26	1.2	21	45.9	265	253	0.8	7.66	2.3	1.41	8.7	23.6	1.80	2.2	95.5
402270	< 0.1	3.63	< 0.1	< 1	< 100	337	1	< 0.1	1.56	< 0.1	6	6.0	208	8.6	0.7	1.57	1.2	1.29	2.1	8.2	2.93	3.0	24.9
402271	0.3	4.31	1.0	967	300	313	< 1	2.9	3.60	0.7	21	19.9	194	86.8	0.6	4.62	1.7	1.02	8.7	18.0	1.14	4.7	34.0
402272	< 0.1	7.27	< 0.1	3	< 100	516	2	0.3	3.64	0.2	42	24.2	181	71.2	0.9	5.29	3.1	1.30	20.0	21.4	2.59	1.3	67.8
402273	< 0.1	8.20	< 0.1	1	< 100	605	2	0.3	3.62	0.1	73	16.9	70	36.9	0.9	4.77	4.0	1.56	32.6	18.3	2.76	2.0	15.2
402274	< 0.1	7.07	< 0.1	68	< 100	408	2	0.4	4.33	0.2	49	22.7	143	62.5	0.5	4.85	3.5	1.16	24.1	14.9	2.86	0.4	51.8
402275	< 0.1	6.78	0.2	40	100	401	1	0.2	5.23	0.3	24	40.2	217	54.6	0.8	7.68	1.3	0.99	9.8	25.7	2.08	0.1	84.8
402276	< 0.1	7.55	< 0.1	312	< 100	402	2	1.1	5.42	0.1	34	30.1	77	117	0.9	7.36	2.5	1.37	15.6	23.4	2.11	1.3	34.2
402277	< 0.1	7.45	< 0.1	2	< 100	292	2	0.5	6.08	0.1	29	34.2	97	104	0.6	8.64	1.7	0.92	12.2	16.4	1.66	0.3	40.2
402278	< 0.1	7.01	< 0.1	5	200	194	1	0.1	6.63	0.1	21	35.6	86	91.2	0.6	9.17	0.9	0.80	8.2	18.9	1.10	0.1	46.2
402279	< 0.1	6.70	0.2	159	< 100	276	< 1	0.2	5.70	0.3	24	43.1	272	145	0.5	8.77	1.8	0.87	10.0	19.2	1.38	0.6	92.5
402280	< 0.1	4.05	0.1	41	< 100	256	< 1	0.3	5.66	0.3	15	43.2	249	101	0.4	8.50	2.2	0.78	5.1	23.4	1.19	7.6	89.0
402281	< 0.1	6.93	< 0.1	9	< 100	402	< 1	0.1	4.93	0.6	20	36.9	347	122	0.6	5.70	2.4	1.08	8.4	16.9	2.37	1.6	75.5
402282	< 0.1	6.41	< 0.1	10	< 100	382	< 1	0.2	4.45	0.2	22	38.4	290	135	0.6	6.70	1.8	1.20	9.2	20.0	1.32	0.3	93.1
402283	< 0.1	5.57	0.3	2340	< 100	197	< 1	0.3	4.80	0.9	19	45.7	234	291	0.6	7.83	2.0	1.32	8.1	21.2	1.42	1.9	110
402284	< 0.1	7.67	0.1	30	400	652	1	0.2	3.82	0.4	24	53.6	255	152	0.5	7.49	1.6	1.53	9.5	15.6	2.77	0.2	135
402286	< 0.1	7.68	< 0.1	9	< 100	556	< 1	0.2	4.15	0.2	26	49.8	235	108	0.3	7.10	1.4	0.98	10.6	14.6	3.22	0.1	120
402287	< 0.1	7.49	< 0.1	37	200	487	< 1	0.2	3.98	0.4	24	51.4	243	110	0.4	6.20	1.7	0.94	9.5	16.0	3.20	0.2	132
402289	< 0.1	7.05	< 0.1	39	< 100	390	1	0.2	4.97	0.4	26	46.9	238	80.8	0.9	6.48	1.6	1.30	11.0	17.9	2.59	0.1	127
402290	2.3	5.35	4.6	17	> 2000	363	1	0.1	4.06	0.3	25	11.7	27	69.8	5.9	3.23	1.9	2.29	11.9	43.2	0.929	2.4	13.2
402402	< 0.1	6.54	< 0.1	7	< 100	146	< 1	< 0.1	5.37	< 0.1	10	41.8	102	78.2	0.8	6.38	0.8	0.98	4.5	36.7	1.10	0.1	68.8
402403	< 0.1	6.48	< 0.1	6	< 100	168	< 1	< 0.1	5.84	< 0.1	11	37.9	143	50.2	0.8	6.08	1.1	0.98	4.5	25.3	1.32	0.1	64.3
402404	< 0.1	7.21	< 0.1	10	< 100	172	< 1	< 0.1	4.74	0.1	11	43.7	143	84.8	0.6	6.40	0.6	0.85	4.8	24.0	1.96	0.1	75.2
402405	< 0.1	4.53	< 0.1	11	< 100	304	< 1	0.1	3.26	0.2	16	24.5	171	54.7	0.8	4.97	1.2	0.98	7.6	17.5	0.589	3.1	44.6

Analyte Symbol	Te	Al	Ag	As	Au	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Cs	Fe	Hf	K	La	Li	Na	Nb	Ni
Unit Symbol	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm
Lower Limit	0.1	0.01	0.1	1	100	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.1	0.01	0.1	0.01	0.1	0.1	0.001	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
402406	< 0.1	7.45	< 0.1	4	< 100	447	< 1	< 0.1	2.84	< 0.1	13	45.7	129	108	1.0	6.83	0.7	1.71	5.4	33.5	0.217	0.1	73.1
402407	< 0.1	7.63	< 0.1	< 1	< 100	433	< 1	< 0.1	5.79	< 0.1	11	48.8	199	67.4	0.7	6.76	1.0	1.63	4.7	34.5	0.417	0.2	122
402408	< 0.1	6.36	< 0.1	2	< 100	397	< 1	< 0.1	9.96	< 0.1	11	75.1	1050	91.7	1.1	5.73	0.9	1.54	4.4	25.6	0.355	0.7	586
402409	< 0.1	6.28	< 0.1	< 1	< 100	77	< 1	< 0.1	7.45	0.2	122	40.1	119	52.9	0.9	6.49	0.3	0.26	47.8	27.8	1.73	0.1	177
402410	< 0.1	4.19	0.6	196	300	143	< 1	5.6	3.73	< 0.1	101	398	40	5240	0.6	20.2	3.0	3.01	74.7	15.5	0.910	1.0	78.0
402411	< 0.1	4.93	< 0.1	< 1	< 100	41	< 1	< 0.1	4.81	0.1	14	44.7	52	86.2	0.3	7.00	1.5	0.18	5.7	25.0	1.69	5.2	41.7
402412	< 0.1	6.99	< 0.1	< 1	< 100	28	< 1	< 0.1	5.37	0.2	18	46.5	47	99.3	0.1	7.42	1.8	0.06	7.9	23.1	2.17	3.8	35.5
402459	< 0.1	8.15	< 0.1	< 1	200	568	1	< 0.1	6.13	0.2	65	38.1	41	269	0.8	8.91	1.5	1.33	29.0	16.2	2.36	1.0	17.9
402460	< 0.1	8.17	0.1	< 1	< 100	486	1	< 0.1	6.23	0.1	64	48.6	53	392	0.8	9.14	1.6	1.18	28.6	13.7	2.65	1.7	17.8
402461	< 0.1	8.44	0.2	< 1	< 100	519	1	0.1	5.64	< 0.1	58	47.3	51	372	0.9	10.2	0.6	2.01	24.9	17.0	0.914	2.0	19.0
402462	< 0.1	7.01	< 0.1	< 1	< 100	322	< 1	< 0.1	8.48	< 0.1	40	31.8	46	132	0.7	8.28	0.6	1.72	16.9	15.9	0.447	0.2	14.6
402463	< 0.1	7.74	< 0.1	< 1	< 100	238	1	< 0.1	8.93	0.5	45	41.8	49	117	0.3	8.83	0.7	0.75	19.1	13.3	1.49	0.5	17.5
402464	< 0.1	7.52	< 0.1	< 1	< 100	843	< 1	< 0.1	6.78	< 0.1	52	26.8	53	79.9	0.7	8.96	0.6	1.74	22.7	20.6	0.633	1.2	12.9
402465	< 0.1	6.54	< 0.1	24	< 100	477	< 1	0.1	6.61	0.1	72	36.4	122	52.0	1.3	6.31	2.0	2.26	29.0	14.1	0.651	3.0	179
402466	< 0.1	5.20	< 0.1	2	< 100	556	1	0.1	7.33	< 0.1	96	54.1	565	57.2	0.6	6.79	2.4	0.64	50.3	16.0	1.10	5.0	300
402467	0.1	5.38	0.2	2	< 100	384	1	0.6	4.22	< 0.1	19	50.2	59	175	0.2	9.54	1.7	0.85	6.5	12.9	2.03	9.0	21.5
402468	< 0.1	6.87	< 0.1	< 1	< 100	395	< 1	0.3	4.11	< 0.1	26	30.5	92	218	0.2	8.66	1.9	0.87	10.2	8.4	2.62	5.8	30.6
402469	< 0.1	7.53	< 0.1	< 1	< 100	617	< 1	0.1	4.89	0.1	35	41.1	82	60.3	0.3	8.94	0.8	1.01	14.5	14.3	2.34	0.1	52.8
402470	< 0.1	6.23	< 0.1	< 1	< 100	406	1	< 0.1	1.77	< 0.1	19	6.1	121	8.9	0.8	1.58	1.3	1.30	9.3	8.5	2.84	2.1	22.3
402471	< 0.1	7.60	< 0.1	< 1	< 100	575	< 1	< 0.1	4.76	< 0.1	33	47.4	99	25.4	0.3	8.93	1.4	0.92	12.8	15.0	2.84	0.1	89.9
402472	< 0.1	6.16	< 0.1	< 1	< 100	347	< 1	< 0.1	6.05	< 0.1	25	55.3	556	49.1	0.4	6.65	2.1	0.70	11.5	21.2	1.80	0.9	401
402473	< 0.1	7.63	< 0.1	< 1	< 100	412	< 1	0.1	5.19	0.1	27	41.8	94	22.1	0.2	9.52	1.4	0.45	11.2	13.2	2.76	0.4	55.1
402474	< 0.1	7.69	< 0.1	< 1	< 100	556	< 1	0.2	7.27	0.1	15	47.3	65	87.9	0.3	9.79	0.5	0.83	5.1	14.2	1.95	0.3	40.1
402475	< 0.1	7.59	< 0.1	1	< 100	426	< 1	0.2	7.12	< 0.1	16	43.5	55	44.6	0.2	9.79	0.3	0.53	5.8	18.5	1.62	0.5	30.0
402476	< 0.1	8.35	0.1	< 1	< 100	355	< 1	0.4	5.89	0.1	21	39.6	60	163	0.3	8.96	0.7	0.66	7.9	15.8	2.23	1.1	34.1
402477	< 0.1	8.52	0.2	3	< 100	280	< 1	1.8	3.01	< 0.1	26	47.7	63	310	0.5	11.4	1.6	0.67	10.6	17.9	2.13	3.2	50.9
402478	< 0.1	5.16	< 0.1	2	< 100	229	< 1	0.8	2.85	< 0.1	13	27.3	66	58.1	0.6	11.2	1.7	0.63	5.1	17.7	1.54	4.6	32.4
402479	< 0.1	7.89	< 0.1	4	< 100	248	< 1	3.3	2.63	< 0.1	25	75.9	60	129	0.8	13.8	2.2	0.69	9.4	16.2	1.72	5.5	22.4
402480	< 0.1	7.87	< 0.1	2	< 100	217	< 1	6.6	3.02	< 0.1	26	42.3	53	127	0.7	14.6	2.0	0.60	10.8	15.8	1.47	0.9	26.2
402481	< 0.1	7.78	< 0.1	< 1	< 100	52	< 1	2.4	2.16	< 0.1	17	41.5	57	146	0.3	19.0	1.6	0.12	7.2	19.3	0.559	0.3	30.2
402482	< 0.1	6.85	< 0.1	5	< 100	213	< 1	3.3	2.01	< 0.1	19	44.1	68	198	0.7	18.0	1.5	1.15	8.1	19.2	0.488	0.7	42.7
402483	< 0.1	7.99	< 0.1	< 1	< 100	169	< 1	1.0	2.12	< 0.1	22	29.8	49	114	0.7	15.3	1.0	0.49	9.1	21.1	1.04	0.6	20.4
402484	< 0.1	8.81	< 0.1	4	< 100	328	1	0.4	5.01	0.1	34	30.4	27	54.4	1.1	8.96	1.5	1.11	14.1	18.0	2.59	0.4	11.2
402485	< 0.1	8.47	< 0.1	< 1	< 100	152	< 1	0.3	5.11	0.1	24	37.2	26	84.3	0.3	10.0	0.8	0.56	8.8	17.1	2.35	0.6	15.1
402486	< 0.1	8.94	0.1	16	< 100	211	< 1	0.6	5.48	0.2	19	32.7	34	139	0.7	10.3	0.4	1.59	7.9	19.8	0.801	3.0	14.2
402487	< 0.1	8.91	< 0.1	2	< 100	156	< 1	0.3	4.46	< 0.1	23	23.1	32	84.8	0.7	8.58	1.0	1.23	9.1	16.9	2.12	0.2	5.1
402488	< 0.1	8.25	0.1	9	< 100	168	< 1	0.5	5.72	< 0.1	25	35.8	54	99.7	0.8	9.15	0.5	1.36	10.5	16.8	1.75	0.1	15.7
402489	< 0.1	8.74	0.4	15	< 100	146	< 1	0.9	5.20	0.3	28	32.9	41	533	0.8	10.0	0.4	1.22	11.6	20.7	1.62	0.6	11.7
402490	0.4	2.63	2.4	495	900	160	< 1	13.4	3.33	< 0.1	67	743	39	> 10000	0.5	28.8	2.6	2.47	38.1	14.2	0.219	3.0	72.8
402491	< 0.1	8.26	0.5	14	< 100	200	< 1	0.9	4.55	0.2	36	35.8	43	652	1.2	10.2	0.9	1.59	15.6	16.9	1.25	0.8	12.7
402492	< 0.1	7.95	6.9	3	1100	80	< 1	2.0	1.81	2.1	37	51.2	41	6440	1.2	15.7	2.3	2.03	14.7	15.6	1.33	2.7	23.6
402493	< 0.1	7.99	0.2	897	< 100	206	< 1	1.6	3.97	< 0.1	34	131	42	332	1.2	14.7	0.9	1.62	14.6	19.1	0.286	1.3	14.1

Analyte Symbol	Te	Al	Ag	As	Au	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Cs	Fe	Hf	K	La	Li	Na	Nb	Ni
Unit Symbol	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm
Lower Limit	0.1	0.01	0.1	1	100	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.1	0.01	0.1	0.01	0.1	0.1	0.001	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
402494	< 0.1	8.85	0.1	21	< 100	193	< 1	0.5	1.13	< 0.1	26	32.4	48	125	0.9	15.9	0.8	1.16	11.3	18.6	0.802	3.4	13.5
402495	2.8	5.57	1.1	> 10000	1700	83	< 1	3.8	1.53	0.2	22	878	54	1760	0.9	18.7	0.5	0.91	8.6	14.2	0.228	3.3	17.9
402496	< 0.1	8.75	0.1	56	< 100	212	< 1	0.8	1.52	< 0.1	26	23.1	59	163	0.9	15.3	0.9	1.29	10.8	16.6	0.436	2.4	19.0
402497	< 0.1	9.28	0.1	14	< 100	210	1	0.4	4.58	< 0.1	31	38.9	64	169	0.5	9.71	0.9	0.96	12.4	15.9	2.23	0.7	17.7
402498	< 0.1	8.18	< 0.1	1	< 100	144	< 1	0.3	5.61	< 0.1	41	35.9	36	116	0.3	10.3	0.5	0.58	18.4	15.8	1.49	0.1	15.0
402499	< 0.1	8.00	0.6	5	< 100	150	< 1	0.7	4.09	0.1	40	53.1	48	617	0.6	13.5	0.7	0.70	17.4	17.0	0.576	1.7	13.2
402500	< 0.1	6.88	< 0.1	< 1	< 100	414	1	< 0.1	1.83	< 0.1	20	6.1	113	8.3	0.8	1.61	1.3	1.32	9.7	8.4	2.92	0.4	23.2
409501	< 0.1	9.37	< 0.1	2	< 100	431	< 1	0.2	4.08	< 0.1	33	24.4	27	87.4	0.4	10.5	1.1	1.27	14.3	17.4	1.50	2.0	8.2
409502	< 0.1	9.52	< 0.1	1	< 100	294	1	0.2	6.59	0.1	39	28.7	54	47.5	0.2	8.23	1.4	0.71	16.8	12.0	2.27	2.0	8.5
409503	< 0.1	10.0	< 0.1	2	< 100	371	< 1	0.2	5.97	0.1	39	30.9	39	63.0	0.3	8.07	1.2	0.77	16.9	13.0	2.59	1.3	10.6
409504	< 0.1	9.73	< 0.1	1	< 100	319	< 1	0.2	6.06	0.2	33	28.6	48	84.5	0.3	7.73	1.1	0.71	14.5	11.9	2.59	2.4	12.4
409505	< 0.1	8.37	< 0.1	2	< 100	290	< 1	0.3	6.30	< 0.1	37	37.5	40	104	0.3	8.63	0.9	0.68	16.1	12.5	1.77	4.0	11.2
409506	< 0.1	5.78	0.1	6	< 100	464	< 1	0.4	4.59	< 0.1	19	24.1	47	88.3	0.3	9.15	1.0	1.06	6.5	13.7	1.51	9.0	12.4
409507	< 0.1	8.08	0.2	< 1	< 100	295	< 1	0.3	2.77	0.1	31	21.1	53	326	0.3	16.0	1.3	0.64	13.3	18.6	0.630	3.8	16.5
409508	< 0.1	9.06	< 0.1	< 1	< 100	346	< 1	0.1	5.49	0.2	40	29.3	45	119	0.3	11.6	0.5	0.75	16.9	15.8	1.87	0.1	18.1
409509	< 0.1	8.99	< 0.1	< 1	< 100	322	< 1	0.2	6.29	0.1	39	30.6	46	93.5	0.3	9.37	0.4	0.78	16.8	9.1	1.99	0.1	17.8
409510	< 0.1	9.35	< 0.1	< 1	< 100	320	< 1	0.2	6.59	< 0.1	38	34.7	39	148	0.3	10.2	0.5	0.77	16.7	10.1	2.11	0.1	19.2
409511	< 0.1	9.26	< 0.1	< 1	< 100	343	< 1	0.1	6.35	< 0.1	40	35.4	39	103	0.3	9.14	0.7	0.81	17.0	12.9	2.19	0.2	19.0
409512	< 0.1	4.26	< 0.1	< 1	< 100	74	< 1	< 0.1	3.77	< 0.1	18	12.2	113	4.7	0.1	3.83	0.3	0.21	7.6	6.2	0.948	0.2	8.4
409513	< 0.1	9.75	< 0.1	< 1	< 100	299	< 1	< 0.1	6.74	< 0.1	19	37.7	42	76.5	0.3	8.90	0.7	0.89	7.7	14.4	2.06	1.4	16.8
409514	< 0.1	8.18	0.1	1	< 100	437	< 1	0.2	8.86	0.1	30	37.9	40	207	0.3	8.99	1.3	0.95	12.4	13.9	1.38	6.8	16.8
409515	< 0.1	8.22	< 0.1	< 1	< 100	199	1	0.1	8.12	< 0.1	34	42.6	52	93.6	0.2	8.63	0.6	0.59	14.2	12.5	1.88	3.5	23.8
409516	< 0.1	7.83	< 0.1	6	< 100	224	< 1	0.1	8.00	0.2	33	36.3	56	90.2	0.7	8.22	1.0	0.96	13.9	13.0	1.32	1.5	29.5
409517	< 0.1	5.51	0.1	88	< 100	241	< 1	< 0.1	8.08	0.5	50	35.9	216	69.4	0.8	7.11	1.6	0.99	19.7	14.4	1.20	7.5	115
409518	< 0.1	7.68	< 0.1	12	< 100	200	< 1	< 0.1	6.25	< 0.1	26	43.9	76	93.3	0.8	7.81	0.7	0.98	11.2	13.8	1.69	0.4	32.9
409519	< 0.1	8.07	0.1	< 1	< 100	134	< 1	< 0.1	6.31	0.2	43	50.5	63	243	0.2	9.68	0.5	0.22	18.5	11.8	2.03	0.1	25.6
409520	< 0.1	4.60	0.7	203	300	154	< 1	5.8	3.72	< 0.1	89	396	38	5290	0.7	20.6	3.0	3.07	71.7	15.4	0.901	0.6	80.3
409521	< 0.1	6.52	< 0.1	< 1	< 100	178	< 1	< 0.1	8.81	< 0.1	32	22.6	50	61.5	0.2	5.90	0.4	0.27	14.2	11.0	1.83	0.1	17.5
409522	< 0.1	4.02	< 0.1	1	< 100	112	< 1	< 0.1	9.78	< 0.1	18	14.9	71	59.9	0.2	3.04	0.2	0.23	7.7	7.1	1.53	< 0.1	12.8
409523	< 0.1	6.89	< 0.1	< 1	< 100	176	< 1	< 0.1	6.73	< 0.1	23	35.2	144	29.3	0.4	6.55	0.8	0.61	9.2	22.6	1.37	0.2	52.9
409524	< 0.1	7.66	< 0.1	5	< 100	258	< 1	< 0.1	5.57	< 0.1	37	37.6	58	119	0.6	7.78	0.6	1.22	16.0	16.3	1.46	0.1	37.5
409525	< 0.1	8.61	0.1	5	< 100	325	< 1	< 0.1	8.19	0.1	32	35.6	42	111	0.3	7.67	0.6	0.63	13.6	11.3	1.56	0.9	22.8
409526	< 0.1	6.94	0.1	1	< 100	105	< 1	< 0.1	11.1	0.2	38	19.5	65	172	< 0.1	5.57	0.5	0.18	16.3	4.0	1.35	0.1	8.7
409527	< 0.1	9.06	0.2	24	< 100	276	< 1	0.8	2.31	< 0.1	31	43.7	48	427	1.4	12.1	1.3	1.82	13.6	18.7	1.69	0.9	15.6
409528	0.5	5.26	0.4	65	100	266	2	7.8	1.36	0.5	43	5.5	105	57.0	0.5	2.18	3.6	1.47	22.8	9.9	1.98	5.9	6.2
409529	1.5	4.96	0.9	30	1200	444	2	3.4	1.11	1.8	55	4.4	93	54.0	0.3	1.79	3.7	1.63	25.0	9.8	2.31	7.8	4.5
409530	3.3	5.62	9.6	10	> 2000	369	< 1	0.1	4.59	0.3	25	12.4	22	65.2	4.4	3.42	1.9	1.89	11.8	44.5	1.48	1.6	12.2
409531	0.5	4.69	0.3	77	100	455	1	2.0	1.27	1.2	47	4.2	101	55.5	0.4	1.88	3.9	1.17	20.7	7.9	2.38	8.0	4.7
409532	1.3	4.90	0.2	39	600	463	1	5.2	1.29	0.6	52	4.3	112	55.8	0.4	1.82	3.6	1.54	23.5	7.2	2.11	7.7	4.9
409533	2.0	3.66	1.3	5	> 2000	459	2	5.6	1.06	1.2	35	4.7	138	86.9	0.4	1.92	3.3	1.12	12.8	9.0	1.95	6.5	5.2
409534	1.5	5.51	4.0	115	200	87	2	21.2	2.00	2.1	60	10.8	140	169	0.5	4.06	3.9	1.64	26.0	11.4	2.27	1.1	7.7
409535	0.3	4.83	0.7	303	100	442	2	2.8	1.42	1.3	45	4.5	147	56.3	0.5	1.88	3.3	1.83	20.4	8.9	1.39	7.4	5.2

Analyte Symbol	Te	Al	Ag	As	Au	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Cs	Fe	Hf	K	La	Li	Na	Nb	Ni
Unit Symbol	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm
Lower Limit	0.1	0.01	0.1	1	100	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.1	0.01	0.1	0.01	0.1	0.1	0.001	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
409536	1.0	5.94	0.5	15	200	609	2	9.1	1.37	0.7	58	5.1	78	75.3	0.5	2.14	4.4	1.48	24.1	7.9	2.99	9.5	5.4
409537	0.4	4.95	0.9	27	< 100	538	2	3.5	1.81	1.4	50	5.0	113	89.5	0.5	2.33	4.2	1.45	21.0	8.4	2.28	9.8	6.2
409538	0.4	5.20	2.6	126	1800	189	2	4.6	1.13	8.3	52	5.2	55	205	0.7	3.49	3.7	2.21	23.2	8.5	1.20	8.4	4.4
409539	< 0.1	9.38	< 0.1	2	< 100	370	< 1	0.8	3.60	< 0.1	32	29.1	118	121	0.2	9.90	1.5	0.77	13.0	17.9	2.51	0.9	40.9
409540	< 0.1	5.89	< 0.1	< 1	< 100	381	< 1	< 0.1	1.84	< 0.1	16	6.0	174	8.2	0.8	1.57	1.4	1.28	7.2	8.5	3.04	1.9	24.9
409541	< 0.1	8.13	< 0.1	3	< 100	364	< 1	0.3	5.05	0.1	62	36.6	192	88.1	0.2	8.90	2.3	0.90	26.0	21.8	2.12	9.0	139
409542	< 0.1	7.97	< 0.1	< 1	< 100	334	1	0.2	6.20	< 0.1	76	31.8	183	50.9	0.1	7.21	2.1	0.91	32.3	14.4	3.24	7.4	151
409543	< 0.1	7.67	0.1	< 1	< 100	271	< 1	0.4	5.89	< 0.1	41	30.7	110	218	0.2	7.85	1.8	0.44	17.3	15.1	2.80	4.7	65.8
409544	< 0.1	6.45	0.2	< 1	< 100	528	< 1	0.7	3.23	< 0.1	23	32.5	86	282	0.2	9.74	2.6	0.69	6.8	12.5	3.05	8.3	19.4
409545	< 0.1	8.15	< 0.1	< 1	< 100	208	< 1	0.2	5.59	0.1	35	24.5	86	59.8	0.2	8.32	1.6	0.55	14.1	9.9	2.97	0.1	20.4
409546	< 0.1	7.63	< 0.1	4	< 100	390	< 1	0.2	5.72	< 0.1	59	36.0	144	157	0.3	8.17	1.4	0.70	23.8	13.2	2.89	0.3	81.2
409547	< 0.1	7.25	< 0.1	< 1	< 100	320	< 1	< 0.1	5.52	< 0.1	23	47.5	329	45.3	0.4	7.45	1.5	0.64	10.6	14.0	2.90	0.2	225
409548	< 0.1	6.63	< 0.1	< 1	< 100	233	< 1	0.1	5.80	< 0.1	20	56.6	389	44.0	0.4	7.68	1.3	0.51	8.5	15.3	2.37	0.4	324
409549	< 0.1	7.22	< 0.1	< 1	< 100	448	< 1	< 0.1	6.02	0.1	28	48.7	99	15.4	0.3	9.40	2.0	0.52	11.0	12.5	2.68	1.1	94.5
409550	0.1	4.21	0.6	222	300	167	< 1	5.6	3.73	< 0.1	109	397	44	5180	0.6	20.1	3.1	3.04	86.3	15.6	0.918	1.3	80.8
409551	< 0.1	8.12	< 0.1	< 1	< 100	1090	< 1	< 0.1	5.10	< 0.1	44	41.9	94	4.8	0.3	8.53	2.3	0.88	18.0	13.2	2.97	4.2	66.0
409552	< 0.1	7.96	< 0.1	< 1	< 100	1730	< 1	0.1	5.37	0.1	24	42.6	49	5.3	0.3	9.82	1.4	1.42	9.6	12.1	2.49	1.7	26.3
409553	< 0.1	8.52	< 0.1	< 1	< 100	885	< 1	0.2	4.99	0.2	23	40.3	60	28.4	0.3	9.95	1.1	1.04	9.3	15.8	2.29	1.0	34.1
409554	< 0.1	8.43	< 0.1	< 1	< 100	588	< 1	0.5	5.11	0.3	20	43.1	67	151	0.2	9.15	0.5	0.76	7.6	16.7	2.69	0.3	36.0
409555	< 0.1	7.63	< 0.1	< 1	< 100	233	< 1	1.5	2.12	< 0.1	17	42.7	84	219	0.3	14.8	0.9	0.61	6.1	19.3	1.31	0.3	39.2
409556	< 0.1	7.93	< 0.1	624	200	237	< 1	1.4	1.08	< 0.1	21	35.7	77	232	0.2	14.6	2.4	0.38	8.5	10.7	1.77	0.7	34.0
409557	< 0.1	6.38	< 0.1	434	< 100	211	< 1	1.5	0.90	< 0.1	33	24.2	94	135	0.2	10.1	3.6	0.51	14.1	10.5	1.50	6.9	29.8
409558	< 0.1	6.63	0.1	< 1	< 100	23	< 1	5.6	1.10	< 0.1	7	55.2	108	265	0.3	20.5	0.7	0.11	2.8	10.5	0.078	0.2	68.9
409559	< 0.1	8.19	< 0.1	< 1	< 100	195	< 1	1.8	1.58	< 0.1	22	23.8	80	58.8	0.6	15.8	2.0	0.54	10.0	10.5	1.22	2.1	38.6
409560	< 0.1	7.34	0.3	421	300	28	< 1	5.7	0.88	< 0.1	74	77.4	25	816	0.3	27.0	1.7	0.11	32.7	12.2	0.110	3.4	38.4
409561	< 0.1	7.30	0.3	312	200	21	< 1	4.3	0.80	< 0.1	68	70.1	33	727	0.3	27.7	1.6	0.08	29.5	13.0	0.123	3.5	40.5
409562	< 0.1	8.31	< 0.1	5	< 100	63	< 1	0.9	1.02	< 0.1	37	27.1	33	141	0.3	20.4	1.7	0.09	15.7	11.8	1.04	0.6	12.9
409563	< 0.1	5.60	< 0.1	3	< 100	484	1	0.2	3.45	0.1	22	15.0	48	17.1	0.9	7.20	3.3	1.06	7.7	11.0	3.30	6.7	9.6
409564	< 0.1	7.25	< 0.1	4	200	134	< 1	0.4	6.52	0.2	19	39.3	60	81.3	0.3	9.48	1.2	0.31	7.4	14.1	2.41	0.4	32.0
409565	< 0.1	7.55	0.2	< 1	< 100	68	< 1	0.2	5.40	0.3	16	43.7	49	181	0.3	10.1	0.5	0.40	6.3	20.1	1.72	0.1	47.7
409566	< 0.1	7.78	< 0.1	< 1	< 100	100	< 1	< 0.1	5.73	0.3	25	34.2	21	74.0	0.3	10.4	0.6	0.42	9.5	17.6	1.96	0.1	16.2
409567	< 0.1	7.59	< 0.1	< 1	< 100	146	< 1	0.2	4.40	0.2	22	35.0	40	86.1	0.5	9.93	0.4	0.77	8.4	16.6	1.76	0.1	18.9
409568	0.1	6.68	0.2	1500	500	108	< 1	1.1	5.15	0.2	23	97.2	63	232	0.7	12.3	0.7	0.72	10.3	22.9	0.529	3.4	16.1
409569	< 0.1	8.75	0.1	462	< 100	387	< 1	1.4	3.25	0.2	41	52.5	42	203	1.4	10.2	2.2	1.77	19.0	21.5	2.08	4.2	6.6
409570	< 0.1	4.88	< 0.1	< 1	< 100	343	1	< 0.1	1.79	< 0.1	16	6.1	192	9.5	0.8	1.62	1.3	1.35	7.2	8.2	2.98	0.8	24.6
409571	0.3	6.63	1.3	3240	300	211	< 1	2.0	4.61	0.3	23	283	48	3900	1.1	12.7	1.0	1.64	10.2	19.7	0.264	4.2	6.8
409572	1.2	6.09	1.5	8900	400	71	< 1	3.2	1.83	0.6	25	836	62	2160	0.5	18.1	0.5	0.57	9.6	20.1	0.546	0.2	11.2
409573	< 0.1	7.08	0.7	88	< 100	81	< 1	0.9	1.02	0.1	34	89.8	49	1050	0.6	17.6	1.9	0.66	14.7	20.8	0.310	5.9	9.7
409574	5.6	4.37	5.1	> 10000	> 2000	51	< 1	6.2	2.83	1.9	31	1390	58	5700	0.6	21.4	1.7	0.53	11.7	14.3	0.244	5.1	17.4
409575	< 0.1	7.75	0.6	754	400	265	< 1	1.3	1.83	0.2	34	127	52	699	1.1	12.8	1.4	1.78	15.0	15.5	1.11	4.0	9.5
409576	< 0.1	7.53	0.8	2390	300	212	< 1	1.2	2.14	0.4	41	161	68	1100	0.8	13.9	0.9	1.18	18.1	15.5	0.924	2.5	8.5
409577	< 0.1	7.50	0.8	41	< 100	199	< 1	0.8	1.61	0.2	39	70.2	46	1120	0.7	16.4	1.0	1.17	16.9	16.1	0.722	0.5	10.5

Analyte Symbol	Te	Al	Ag	As	Au	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Cs	Fe	Hf	K	La	Li	Na	Nb	Ni
Unit Symbol	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm
Lower Limit	0.1	0.01	0.1	1	100	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.1	0.01	0.1	0.01	0.1	0.1	0.001	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
409578	< 0.1	8.73	0.3	146	< 100	209	< 1	0.5	1.87	< 0.1	28	45.2	66	374	0.7	15.0	0.8	1.19	12.4	18.7	0.816	1.1	18.0
409579	0.1	6.95	0.7	4580	300	214	< 1	1.5	1.62	0.3	39	423	61	1550	0.6	15.4	0.8	1.07	17.8	14.7	0.292	1.8	17.4
409580	0.6	2.61	2.4	487	800	134	< 1	13.6	3.29	< 0.1	77	731	34	> 10000	0.5	28.4	2.6	2.37	47.2	14.1	0.215	2.2	70.4
409581	< 0.1	8.37	0.5	60	< 100	256	< 1	0.9	1.90	0.3	30	27.1	54	1060	0.6	14.5	1.0	1.21	12.8	15.7	0.417	6.0	11.2
409582	< 0.1	7.77	0.4	205	100	212	< 1	0.7	2.55	< 0.1	32	34.2	53	350	0.6	14.3	1.1	1.12	13.9	17.1	0.374	7.7	10.2
409583	< 0.1	9.20	3.4	34	200	201	< 1	1.0	3.72	0.9	29	24.1	68	5130	0.6	13.0	1.7	0.98	12.6	14.5	1.43	5.5	12.6
409584	< 0.1	10.2	0.1	6	< 100	221	< 1	0.4	3.72	0.2	21	24.1	36	184	0.4	9.34	0.9	0.76	8.9	14.0	2.69	1.5	5.4
409585	< 0.1	5.59	0.1	8	< 100	196	< 1	0.4	5.57	< 0.1	16	27.4	60	186	0.3	7.97	1.4	0.89	6.2	16.0	2.41	7.1	12.0
409586	< 0.1	8.60	< 0.1	< 1	< 100	130	< 1	< 0.1	6.49	< 0.1	36	26.6	35	41.0	0.2	7.41	0.6	0.63	15.7	14.9	2.38	0.2	7.8
409587	< 0.1	7.62	0.2	4	< 100	337	< 1	0.2	3.12	< 0.1	31	48.6	91	285	0.4	7.70	1.1	0.97	13.1	13.1	1.64	1.0	11.9
409588	< 0.1	8.14	< 0.1	3	< 100	76	< 1	0.3	11.7	< 0.1	34	31.5	51	120	< 0.1	8.22	0.4	0.13	14.5	7.5	0.958	0.2	17.6
409589	< 0.1	7.43	< 0.1	< 1	< 100	187	< 1	< 0.1	7.69	0.2	36	36.8	89	125	0.7	6.81	0.7	0.70	15.1	14.2	1.74	0.1	35.1
409590	< 0.1	7.43	< 0.1	1	< 100	202	< 1	< 0.1	6.80	< 0.1	34	39.5	109	98.0	0.7	7.00	1.0	0.74	14.3	15.4	1.73	0.1	36.9
409591	< 0.1	3.21	< 0.1	63	400	72	< 1	0.3	0.61	0.2	32	2.0	176	30.2	< 0.1	1.34	5.3	0.07	11.6	0.7	5.62	16.1	4.4
409592	0.2	5.64	< 0.1	46	< 100	103	1	0.4	1.00	< 0.1	77	2.5	140	23.0	< 0.1	1.48	5.1	0.15	32.8	0.8	5.26	14.4	5.0
409593	< 0.1	5.72	0.3	134	< 100	339	< 1	0.3	7.99	0.3	14	43.9	193	85.2	1.8	6.40	1.4	1.93	6.0	7.9	0.580	0.8	155
409594	< 0.1	6.01	< 0.1	26	< 100	302	< 1	< 0.1	5.80	0.2	12	39.6	154	90.4	2.0	6.78	1.0	1.74	5.5	11.3	0.646	0.1	94.5
409595	< 0.1	6.48	0.1	33	< 100	317	< 1	< 0.1	5.43	0.2	11	42.7	128	77.6	2.1	6.23	0.6	1.82	4.4	12.6	1.05	0.1	80.9
409596	< 0.1	6.77	0.2	32	< 100	375	< 1	< 0.1	5.51	0.1	12	41.3	100	73.0	2.0	6.02	0.4	1.91	5.2	13.2	1.10	0.1	78.6
409597	< 0.1	6.85	< 0.1	22	< 100	258	< 1	< 0.1	5.76	< 0.1	14	40.8	54	77.3	1.2	5.90	0.6	1.48	6.0	25.5	1.43	< 0.1	53.3
409598	< 0.1	6.82	0.1	37	< 100	227	< 1	0.1	5.74	0.1	15	42.7	48	75.7	1.6	6.78	0.7	1.36	6.3	31.7	0.961	0.1	48.1
409599	< 0.1	6.89	0.7	97	< 100	771	< 1	< 0.1	7.03	< 0.1	3	77.9	953	97.8	1.8	5.91	0.7	2.71	1.1	15.3	0.249	0.1	674
409600	< 0.1	4.32	0.6	224	300	209	< 1	5.8	3.84	< 0.1	100	402	45	5310	0.6	20.5	3.1	3.06	75.3	15.7	0.912	1.0	78.8
409601	< 0.1	6.61	< 0.1	10	< 100	210	< 1	< 0.1	4.80	< 0.1	12	42.9	123	69.9	1.1	7.29	0.4	1.19	5.1	29.4	0.580	0.1	93.2
409602	< 0.1	6.94	< 0.1	91	< 100	393	< 1	< 0.1	6.54	0.1	3	73.7	998	105	1.4	5.44	0.7	2.31	1.1	15.7	0.325	0.2	555
409603	< 0.1	5.05	0.4	111	< 100	287	< 1	< 0.1	7.03	0.1	3	66.4	1230	101	1.3	5.26	0.6	1.79	1.0	14.4	0.314	0.6	496

Analyte Symbol	P	Rb	Pb	S	Mg	Mn	Mo	Sb	Sc	Sn	Sr	Ta	Th	Ti	Tl	U	V	W	Y	Zn	Zr	As	Cu
Unit Symbol	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
Lower Limit	0.001	0.1	0.1	1	0.01	1	0.1	0.1	1	0.1	1	0.1	0.1	0.001	0.05	0.1	4	0.1	0.1	1	0.1	0.01	0.005
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	FUS-Na2O2	FUS-Na2O2
402251	0.123	37.8	8.5	< 1	2.07	1550	8.6	1.9	26	2.3	201	0.2	2.2	0.481	0.34	1.6	222	1.5	16.4	131	77.4		
402252	0.126	61.3	8.8	< 1	1.94	1240	7.9	2.2	25	1.7	167	0.3	2.2	0.478	0.57	1.6	219	2.3	15.2	123	75.7		
402253	0.123	49.8	8.4	< 1	1.30	1170	8.1	1.5	23	1.5	229	0.3	2.0	0.517	0.50	1.6	204	1.7	15.9	99	73.9		
402254	0.114	39.3	8.8	< 1	1.49	1180	8.3	1.8	20	1.6	171	0.3	1.7	0.521	0.45	1.4	192	1.7	14.4	98	71.0		
402255	0.129	43.3	11.4	< 1	1.75	1100	7.8	2.3	21	1.5	200	0.3	1.8	0.575	0.63	1.6	207	1.7	14.5	135	77.4		
402256	0.130	37.6	12.3	< 1	1.48	920	7.1	2.5	20	1.4	206	0.3	1.6	0.560	0.64	1.4	204	1.4	14.3	128	82.4		
402257	0.048	18.4	10.4	7	1.11	902	10.5	1.4	8	1.9	51	0.2	1.0	0.181	0.26	0.8	87	4.7	9.5	257	41.8		
402258	0.023	13.7	6.5	4	1.11	1060	11.8	1.0	11	1.3	40	0.1	0.8	0.196	0.20	0.6	79	4.8	6.1	140	38.0		
402259	0.128	3.6	8.8	< 1	1.19	865	7.5	1.5	6	1.3	100	0.4	0.3	0.522	0.46	1.1	212	1.6	5.2	146	71.3		
402260	0.476	781	8.4	< 1	0.58	3550	295	0.4	5	116	106	0.4	6.0	0.144	6.29	9.1	54	> 200	7.9	319	51.9		
402261	0.060	19.5	11.8	2	1.66	1070	7.9	0.6	20	1.8	132	< 0.1	2.2	0.464	0.25	1.3	170	1.2	18.6	125	86.9		
402262	0.080	43.5	10.2	< 1	1.99	1380	1.9	0.5	33	2.5	169	< 0.1	1.1	0.671	0.62	1.0	251	0.4	22.2	155	77.9		
402263	0.081	71.9	14.3	< 1	2.46	1220	0.6	0.2	38	1.4	189	< 0.1	1.1	0.388	1.16	1.2	211	0.2	23.7	173	79.9		
402264	0.078	47.9	13.3	< 1	2.25	1480	0.8	0.3	37	1.9	206	< 0.1	1.0	0.435	0.93	1.0	205	0.2	24.3	188	78.9		
402265	0.081	37.3	20.1	< 1	2.46	1750	1.1	0.3	36	2.0	203	< 0.1	1.0	0.615	0.89	1.0	242	0.2	24.0	230	95.2		
402266	0.081	33.4	28.3	1	2.50	1710	1.1	0.2	33	2.2	196	< 0.1	1.0	0.700	0.72	1.2	260	0.2	23.1	360	99.3		
402267	0.089	26.6	64.2	< 1	2.01	1790	1.2	0.3	35	3.1	253	< 0.1	0.7	0.534	0.50	0.8	254	0.1	21.0	707	74.1		
402268	0.090	45.7	1280	3	1.42	1030	8.0	1.6	38	31.9	176	0.4	1.0	0.937	0.64	1.5	332	1.5	22.9	> 10000	106		
402269	0.086	47.7	33.8	< 1	2.27	1390	4.0	0.3	35	3.5	199	< 0.1	0.8	0.536	0.50	1.0	245	2.1	23.1	496	84.3		
402270	0.019	28.6	7.3	< 1	0.48	259	13.2	0.2	3	0.8	187	0.2	0.3	0.162	0.22	0.2	37	0.3	2.7	19	44.7		
402271	0.062	36.7	66.3	< 1	1.34	955	10.0	1.2	16	4.6	109	0.2	1.9	0.374	0.25	1.1	143	> 200	11.7	135	73.0		
402272	0.058	46.0	12.7	< 1	1.95	932	10.1	0.2	19	5.3	255	< 0.1	7.4	0.464	0.34	2.7	135	0.6	21.3	106	109		
402273	0.157	57.5	12.1	< 1	1.25	899	8.0	0.4	11	2.1	421	< 0.1	7.8	0.417	0.33	2.7	64	0.6	24.9	105	170		
402274	0.060	39.4	14.7	< 1	1.30	871	1.6	0.2	19	2.4	220	< 0.1	8.5	0.320	0.23	3.2	114	0.5	23.1	85	123		
402275	0.073	40.2	17.4	< 1	2.27	1450	0.2	0.1	35	0.3	168	< 0.1	1.4	0.156	0.27	0.9	123	0.1	20.4	154	50.0		
402276	0.097	58.9	11.9	< 1	2.06	1190	0.6	0.4	28	10.0	269	< 0.1	2.6	0.475	0.41	1.2	155	1.9	22.1	111	100		
402277	0.090	41.6	5.0	< 1	2.28	1470	0.6	0.3	33	9.5	308	< 0.1	1.7	0.374	0.28	1.0	150	0.1	22.8	115	63.1		
402278	0.075	31.9	5.5	< 1	2.61	1630	0.2	0.1	35	0.3	285	< 0.1	0.8	0.154	0.23	0.7	148	< 0.1	23.0	114	33.5		
402279	0.086	34.4	10.3	< 1	2.33	1340	0.7	0.3	35	2.1	294	< 0.1	1.0	0.442	0.28	1.0	188	0.2	23.6	153	68.3		
402280	0.089	11.7	9.9	< 1	2.09	1400	4.7	1.7	15	2.9	261	0.5	0.2	0.874	0.27	0.9	330	3.7	13.2	178	83.8		
402281	0.082	37.7	8.5	< 1	1.87	1070	0.9	0.4	31	1.5	367	< 0.1	0.8	0.463	0.39	1.2	223	0.4	19.4	215	91.3		
402282	0.075	43.7	7.1	< 1	2.07	1080	1.1	0.3	32	1.5	223	< 0.1	1.0	0.483	0.37	1.1	208	0.1	19.9	134	68.0		
402283	0.070	45.1	12.2	1	1.81	1140	3.9	1.5	29	1.8	123	< 0.1	0.9	0.614	0.32	1.2	231	4.3	18.4	197	76.8		
402284	0.084	49.1	7.2	< 1	2.26	1090	0.4	0.3	43	1.5	237	< 0.1	1.1	0.401	0.42	1.2	184	< 0.1	23.8	176	55.2		
402286	0.082	31.1	7.7	< 1	2.38	1220	0.2	0.1	41	0.6	261	< 0.1	1.1	0.164	0.26	1.1	153	< 0.1	24.8	166	52.4		
402287	0.086	32.4	12.7	< 1	2.18	1070	0.3	0.3	39	1.7	233	< 0.1	1.0	0.317	0.36	1.1	147	0.1	22.5	158	58.2		
402289	0.080	49.4	31.0	< 1	2.16	1140	0.2	0.6	36	0.3	316	< 0.1	1.2	0.170	0.42	1.2	152	0.4	21.7	151	58.6		
402290	0.072	93.3	23.8	< 1	0.98	669	7.1	2.5	13	0.9	260	0.1	2.8	0.293	0.98	0.8	100	3.6	10.2	88	69.7		
402402	0.027	30.7	1.9	< 1	4.90	839	0.3	0.3	37	0.4	99	< 0.1	0.8	0.212	0.11	0.3	144	0.1	10.2	62	28.1		
402403	0.027	31.8	1.7	< 1	5.15	824	0.2	0.2	37	0.2	109	< 0.1	0.8	0.218	0.12	0.3	138	0.2	10.4	59	35.7		
402404	0.034	24.7	2.2	< 1	5.26	954	0.2	0.3	44	0.5	100	< 0.1	0.9	0.182	0.09	0.4	116	0.2	11.7	70	23.0		

Analyte Symbol	P	Rb	Pb	S	Mg	Mn	Mo	Sb	Sc	Sn	Sr	Ta	Th	Ti	Tl	U	V	W	Y	Zn	Zr	As	Cu
Unit Symbol	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
Lower Limit	0.001	0.1	0.1	1	0.01	1	0.1	0.1	1	0.1	1	0.1	0.1	0.001	0.05	0.1	4	0.1	0.1	1	0.1	0.01	0.005
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	FUS-Na2O2	FUS-Na2O2
402405	0.026	28.7	3.8	< 1	3.19	910	13.4	1.3	20	1.3	56	0.2	2.4	0.189	0.11	0.8	107	2.3	10.1	76	40.8		
402406	0.045	43.9	6.2	< 1	4.64	856	0.2	0.1	42	0.2	38	< 0.1	1.0	0.152	0.18	0.4	126	< 0.1	12.8	83	25.3		
402407	0.034	40.5	2.2	< 1	4.79	973	0.2	0.1	45	0.2	73	< 0.1	0.9	0.240	0.15	1.0	148	0.1	12.0	85	36.0		
402408	0.037	44.4	5.3	< 1	3.54	1130	1.1	4.3	38	0.3	110	< 0.1	0.5	0.297	0.21	0.8	177	0.5	11.8	74	29.1		
402409	0.192	11.2	4.4	< 1	4.56	1050	0.6	0.1	23	0.2	230	< 0.1	2.8	0.381	< 0.05	1.3	130	< 0.1	24.1	101	30.2		
402410	0.075	93.9	7.3	2	0.87	3390	128	2.9	14	6.8	95	< 0.1	2.9	0.323	0.29	34.5	196	21.7	19.0	17	136		
402411	0.069	1.0	2.9	< 1	3.86	936	1.7	1.8	24	1.0	95	0.3	0.6	0.619	< 0.05	0.6	260	1.5	11.4	92	54.7		
402412	0.054	1.5	2.5	< 1	4.05	1130	1.6	0.9	39	1.1	87	0.2	1.3	0.640	< 0.05	0.7	275	1.0	18.9	102	60.8		
402459	0.156	32.0	10.1	< 1	1.76	1220	0.4	< 0.1	26	1.9	432	< 0.1	3.3	0.461	0.13	2.7	112	< 0.1	40.3	148	55.8		
402460	0.162	28.1	7.7	< 1	1.62	1200	0.5	< 0.1	26	2.0	455	< 0.1	3.3	0.473	0.12	2.9	94	0.1	40.8	98	55.4		
402461	0.175	43.8	5.8	< 1	1.95	1310	0.6	0.1	29	1.9	204	< 0.1	3.1	0.434	0.18	3.9	89	0.1	36.5	104	18.7		
402462	0.140	38.2	3.0	< 1	1.93	1150	0.3	< 0.1	25	0.3	84	< 0.1	2.1	0.201	0.11	0.9	88	< 0.1	27.2	95	21.9		
402463	0.142	20.9	3.7	< 1	1.98	1420	0.4	< 0.1	27	0.6	324	< 0.1	2.3	0.313	0.05	1.1	114	< 0.1	29.6	312	23.0		
402464	0.158	39.5	2.5	< 1	1.99	1260	0.6	< 0.1	29	0.7	147	< 0.1	2.5	0.384	0.13	1.1	119	< 0.1	34.1	96	20.7		
402465	0.183	69.6	1.9	< 1	3.73	1140	1.9	0.5	17	0.8	184	< 0.1	2.5	0.610	0.30	1.0	158	0.3	12.7	100	85.9		
402466	0.101	8.6	9.9	< 1	8.27	1300	2.3	1.0	29	1.1	422	0.3	10.9	0.451	< 0.05	3.1	185	0.3	19.0	87	88.6		
402467	0.115	8.2	5.3	1	2.30	1560	3.6	1.1	11	1.2	328	0.6	0.5	0.909	0.13	0.6	169	0.8	15.9	74	60.1		
402468	0.115	13.8	3.4	< 1	2.16	1410	2.5	0.2	16	1.4	432	0.3	1.0	0.729	0.11	0.8	137	0.2	21.5	66	74.3		
402469	0.095	22.0	2.3	< 1	4.09	1550	0.1	< 0.1	31	0.3	273	< 0.1	1.2	0.174	0.12	0.6	140	< 0.1	25.3	110	26.7		
402470	0.022	47.5	7.4	< 1	0.55	263	10.9	< 0.1	6	0.7	354	< 0.1	1.3	0.166	0.23	0.3	37	0.2	5.8	19	44.7		
402471	0.099	18.0	1.8	< 1	4.34	1540	0.6	< 0.1	37	0.9	189	< 0.1	1.1	0.472	0.10	0.6	184	< 0.1	24.9	94	52.7		
402472	0.055	16.9	1.9	< 1	7.52	1160	1.1	0.1	28	0.3	217	< 0.1	2.2	0.346	0.08	0.7	147	< 0.1	14.4	81	71.8		
402473	0.081	9.4	2.7	< 1	3.32	1670	1.1	< 0.1	36	0.6	324	< 0.1	1.7	0.565	< 0.05	0.7	234	< 0.1	25.8	96	53.6		
402474	0.063	19.5	3.4	< 1	3.15	1720	0.4	0.2	34	0.3	366	< 0.1	0.4	0.494	0.11	0.2	243	< 0.1	23.5	116	17.5		
402475	0.067	13.5	4.1	< 1	3.30	2140	0.2	0.4	34	0.3	279	< 0.1	0.4	0.451	0.07	0.2	216	< 0.1	25.3	118	11.3		
402476	0.082	19.3	4.4	< 1	2.80	2070	0.6	0.2	29	0.9	254	< 0.1	0.7	0.487	0.10	0.6	149	< 0.1	24.5	120	24.5		
402477	0.086	20.1	5.6	2	2.49	1300	2.0	0.2	26	2.3	210	< 0.1	1.0	0.684	0.11	1.0	198	0.2	25.5	87	59.1		
402478	0.081	5.9	3.3	< 1	2.40	1270	2.0	0.7	14	1.7	121	0.3	0.6	0.616	0.16	0.5	219	2.6	12.2	77	63.7		
402479	0.103	19.9	4.1	2	2.45	1420	2.8	0.5	21	1.7	123	0.3	1.4	0.810	0.14	0.8	230	6.3	21.4	78	89.5		
402480	0.090	18.4	4.8	2	2.60	1480	0.8	< 0.1	22	1.4	113	< 0.1	1.4	0.576	0.11	0.8	219	0.4	21.8	70	76.6		
402481	0.075	4.5	1.2	1	3.22	1570	1.1	< 0.1	29	1.0	48	< 0.1	0.6	0.545	< 0.05	0.5	270	0.2	17.0	78	62.6		
402482	0.076	30.7	2.2	2	2.71	1550	2.4	0.2	28	0.9	61	< 0.1	0.7	0.555	0.19	0.7	257	0.9	19.3	66	57.8		
402483	0.085	16.6	1.9	< 1	3.12	1560	0.7	0.1	26	1.0	104	< 0.1	1.3	0.521	0.08	0.5	223	0.4	16.5	102	38.2		
402484	0.127	36.6	4.6	< 1	2.51	1630	0.2	0.1	22	0.7	170	< 0.1	1.8	0.299	0.20	0.8	90	< 0.1	27.6	122	55.4		
402485	0.111	18.4	4.8	< 1	3.06	2280	0.2	< 0.1	30	1.0	124	< 0.1	0.6	0.390	0.07	0.4	135	< 0.1	31.6	224	27.7		
402486	0.065	44.7	5.6	< 1	2.63	2040	1.9	0.2	19	1.1	116	< 0.1	0.6	0.577	0.20	0.4	191	0.9	13.5	156	18.8		
402487	0.076	38.4	7.3	< 1	1.99	1330	0.3	< 0.1	19	0.8	179	< 0.1	0.8	0.376	0.20	0.4	113	< 0.1	16.0	97	39.4		
402488	0.094	46.0	6.3	< 1	2.09	1520	0.1	< 0.1	29	1.3	146	< 0.1	1.4	0.235	0.21	0.8	123	< 0.1	19.6	90	19.2		
402489	0.094	43.5	12.1	< 1	2.02	1450	0.3	0.2	30	1.6	199	< 0.1	1.4	0.349	0.21	0.7	114	< 0.1	22.4	127	16.7		
402490	0.089	67.9	13.7	4	0.80	5110	337	5.7	7	10.8	62	< 0.1	0.8	0.231	0.32	63.6	107	91.6	17.5	35	120		1.75
402491	0.109	59.8	6.6	< 1	1.78	1060	0.6	0.2	25	1.8	109	< 0.1	2.0	0.374	0.32	1.2	99	0.2	24.6	84	32.5		
402492	0.113	75.9	4.3	5	1.39	645	1.9	< 0.1	23	1.0	55	< 0.1	2.0	0.511	0.47	3.8	130	0.4	25.9	268	90.2		

Analyte Symbol	P	Rb	Pb	S	Mg	Mn	Mo	Sb	Sc	Sn	Sr	Ta	Th	Ti	Tl	U	V	W	Y	Zn	Zr	As	Cu
Unit Symbol	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
Lower Limit	0.001	0.1	0.1	1	0.01	1	0.1	0.1	1	0.1	1	0.1	0.1	0.001	0.05	0.1	4	0.1	0.1	1	0.1	0.01	0.005
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	FUS-Na2O2	FUS-Na2O2
402493	0.103	61.3	5.1	2	2.11	863	0.8	0.3	25	1.0	77	< 0.1	2.0	0.378	0.30	0.8	126	0.4	19.1	68	35.6		
402494	0.079	47.2	1.6	< 1	2.41	1040	1.5	0.2	25	0.6	48	0.1	1.4	0.611	0.21	0.7	196	1.9	14.5	64	31.1		
402495	0.042	36.4	3.2	4	1.75	905	3.1	6.0	19	0.6	32	0.1	0.9	0.345	0.24	0.6	162	43.5	10.3	73	39.2	1.77	
402496	0.080	48.8	1.5	< 1	2.37	1110	1.9	< 0.1	26	0.5	41	< 0.1	1.5	0.643	0.23	0.8	222	0.7	16.2	77	34.6		
402497	0.092	30.0	4.6	< 1	1.96	980	0.3	0.1	29	2.4	288	< 0.1	1.5	0.413	0.16	0.9	145	0.1	21.9	53	35.6		
402498	0.121	19.7	2.9	< 1	2.60	1690	< 0.1	< 0.1	30	0.8	213	< 0.1	2.2	0.182	0.07	1.0	111	< 0.1	28.4	73	18.0		
402499	0.107	25.2	2.5	< 1	2.37	1510	1.4	0.2	28	1.5	137	< 0.1	2.0	0.517	0.10	1.0	151	0.3	26.3	107	25.6		
402500	0.022	49.7	7.4	< 1	0.57	268	8.8	< 0.1	6	0.6	358	< 0.1	1.4	0.156	0.22	0.4	36	< 0.1	6.2	19	49.9		
409501	0.095	35.4	3.0	< 1	2.23	1230	0.9	0.1	27	1.2	186	< 0.1	1.8	0.458	0.15	1.0	132	0.2	23.1	102	41.7		
409502	0.100	19.6	4.2	< 1	2.17	1250	0.8	0.2	27	0.7	364	< 0.1	1.8	0.486	0.08	1.0	143	0.1	23.3	76	54.9		
409503	0.102	22.5	3.8	< 1	2.18	1230	0.4	0.1	30	0.5	386	< 0.1	1.9	0.419	0.09	1.1	124	0.1	23.9	96	49.7		
409504	0.097	19.8	4.8	< 1	1.93	1320	0.8	0.4	30	0.6	375	< 0.1	1.7	0.497	0.08	1.2	140	0.1	21.1	98	42.5		
409505	0.139	14.4	4.3	< 1	2.03	1280	2.3	0.3	28	1.1	384	0.1	1.8	0.688	0.08	1.0	158	0.1	24.2	78	37.4		
409506	0.097	12.6	2.5	< 1	1.72	1070	2.9	0.9	13	1.7	200	0.6	0.5	0.776	0.15	1.1	211	1.7	12.9	74	39.6		
409507	0.105	16.4	1.9	< 1	2.26	1490	1.8	0.2	30	1.5	150	0.1	1.3	0.795	0.07	1.4	249	0.5	20.1	150	52.8		
409508	0.116	17.0	3.0	< 1	1.93	1430	0.1	< 0.1	27	0.2	368	< 0.1	1.8	0.166	0.07	0.7	82	< 0.1	23.6	117	23.4		
409509	0.114	22.9	3.2	< 1	1.84	1380	0.1	< 0.1	27	0.2	380	< 0.1	1.8	0.133	0.09	0.7	68	< 0.1	23.5	104	15.4		
409510	0.124	21.4	3.1	< 1	1.94	1430	0.2	0.1	28	0.4	386	< 0.1	1.9	0.216	0.09	0.7	90	< 0.1	23.2	89	21.2		
409511	0.115	22.2	4.0	< 1	2.13	1410	0.2	0.1	27	0.3	389	< 0.1	1.9	0.239	0.09	0.7	86	< 0.1	22.9	90	28.6		
409512	0.048	5.5	2.0	< 1	0.91	605	2.2	< 0.1	12	0.6	200	< 0.1	0.8	0.209	< 0.05	0.4	46	< 0.1	10.7	43	10.2		
409513	0.065	26.9	4.9	< 1	2.23	1340	0.9	0.2	26	0.7	346	< 0.1	0.8	0.601	0.11	0.4	218	0.1	14.6	91	26.9		
409514	0.103	23.7	6.0	< 1	1.99	1240	2.8	0.3	24	1.5	280	0.3	1.5	0.836	0.10	0.9	213	0.3	18.3	98	48.5		
409515	0.106	16.2	3.8	< 1	1.80	1350	0.8	0.3	29	1.5	295	< 0.1	1.5	0.525	0.05	0.6	146	< 0.1	22.4	88	20.8		
409516	0.095	32.4	2.5	< 1	2.05	1210	0.9	0.1	27	0.6	188	< 0.1	1.4	0.512	0.15	0.6	177	< 0.1	18.4	99	39.3		
409517	0.148	22.6	2.2	< 1	2.73	1110	2.9	2.4	18	1.2	200	0.5	1.1	0.640	0.21	0.7	166	1.9	12.0	140	62.1		
409518	0.074	27.9	2.5	< 1	2.67	1110	0.3	< 0.1	24	0.5	247	< 0.1	1.6	0.341	0.14	0.7	138	< 0.1	17.1	99	26.1		
409519	0.120	5.0	5.5	< 1	2.50	1430	0.2	0.1	29	1.3	334	< 0.1	2.2	0.237	< 0.05	0.9	101	< 0.1	28.4	139	16.9		
409520	0.078	94.1	6.7	2	1.10	2860	111	3.3	12	6.9	71	< 0.1	2.7	0.302	0.25	30.3	181	7.8	19.2	19	123		
409521	0.091	7.6	2.6	< 1	1.56	878	0.6	< 0.1	20	0.1	278	< 0.1	1.5	0.133	< 0.05	0.8	71	< 0.1	20.0	63	13.3		
409522	0.060	7.1	2.0	< 1	1.06	595	0.7	< 0.1	13	0.3	146	< 0.1	0.8	0.170	< 0.05	0.4	54	< 0.1	12.4	51	9.2		
409523	0.066	20.5	1.6	< 1	3.40	993	1.0	0.1	27	0.8	109	< 0.1	1.0	0.354	0.05	0.6	121	< 0.1	17.6	92	27.5		
409524	0.114	36.6	2.3	< 1	2.70	1160	0.3	< 0.1	23	0.3	142	< 0.1	1.8	0.216	0.12	0.8	89	< 0.1	24.5	104	22.8		
409525	0.098	17.1	7.2	< 1	1.89	1220	1.9	0.3	23	0.8	278	< 0.1	1.5	0.367	0.05	0.7	103	< 0.1	20.0	97	22.2		
409526	0.104	4.0	10.0	< 1	0.66	1020	0.2	< 0.1	19	0.8	550	< 0.1	1.8	0.169	< 0.05	0.8	108	< 0.1	24.1	67	16.8		
409527	0.082	75.3	3.0	< 1	1.93	692	0.8	0.1	27	0.9	95	< 0.1	1.7	0.465	0.44	1.7	175	0.2	21.2	65	47.1		
409528	0.032	49.3	14.5	< 1	0.26	286	12.4	4.1	3	3.5	126	0.3	8.8	0.143	0.18	3.2	16	8.3	11.3	65	131		
409529	0.029	47.9	83.0	< 1	0.22	316	19.6	3.3	4	5.4	123	0.6	10.8	0.137	0.20	3.2	17	14.4	11.4	177	153		
409530	0.073	67.3	19.4	< 1	1.21	813	5.2	2.2	12	1.6	313	< 0.1	2.9	0.302	0.57	0.8	99	1.4	10.2	69	66.9		
409531	0.032	43.9	19.1	< 1	0.25	363	14.7	7.6	3	3.0	87	0.6	8.3	0.144	0.31	3.0	17	23.7	8.6	89	160		
409532	0.030	52.2	13.0	< 1	0.23	357	35.9	4.4	3	2.7	108	0.6	9.7	0.137	0.27	2.9	14	25.1	9.9	65	146		
409533	0.029	36.8	32.0	< 1	0.20	350	14.7	1.2	3	2.6	120	0.5	6.3	0.131	0.20	2.4	15	> 200	8.2	100	136		

Analyte Symbol	P	Rb	Pb	S	Mg	Mn	Mo	Sb	Sc	Sn	Sr	Ta	Th	Ti	Tl	U	V	W	Y	Zn	Zr	As	Cu
Unit Symbol	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
Lower Limit	0.001	0.1	0.1	1	0.01	1	0.1	0.1	1	0.1	1	0.1	0.1	0.001	0.05	0.1	4	0.1	0.1	1	0.1	0.01	0.005
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	FUS-Na2O2	FUS-Na2O2
409534	0.039	58.2	315	2	0.30	501	13.2	4.5	4	3.9	133	< 0.1	9.0	0.169	0.33	2.9	18	> 200	14.1	147	170		
409535	0.030	57.9	79.1	< 1	0.23	369	44.0	3.0	4	3.9	105	0.5	9.2	0.140	0.26	2.8	19	20.0	9.8	98	138		
409536	0.037	47.9	30.3	< 1	0.27	368	41.0	2.7	4	3.8	169	0.8	9.7	0.176	0.21	3.3	21	11.9	11.3	76	188		
409537	0.036	42.3	79.2	< 1	0.26	460	27.1	1.8	4	4.1	113	0.9	7.8	0.172	0.24	2.1	20	19.9	10.3	105	175		
409538	0.034	74.5	268	2	0.27	384	11.1	3.4	4	3.5	78	0.7	8.8	0.149	0.35	3.4	18	19.2	12.9	1100	157		
409539	0.109	17.9	5.1	< 1	2.56	1590	3.1	0.3	23	1.4	433	< 0.1	1.9	0.556	0.10	0.8	119	< 0.1	26.9	100	54.2		
409540	0.022	41.4	7.5	< 1	0.53	271	10.3	< 0.1	5	0.6	298	< 0.1	1.1	0.160	0.22	0.3	33	0.1	5.2	18	49.1		
409541	0.168	18.8	3.5	< 1	4.21	1470	3.8	0.4	24	1.2	420	0.5	2.7	0.679	0.11	1.1	157	0.6	23.4	108	89.8		
409542	0.176	18.2	1.4	< 1	3.85	1360	2.6	0.2	23	0.8	284	0.2	2.8	0.589	0.11	1.1	132	0.2	16.2	70	77.8		
409543	0.104	9.7	4.9	< 1	2.45	1130	3.3	0.3	19	1.5	320	0.1	1.7	0.592	< 0.05	0.8	113	0.4	20.9	67	66.2		
409544	0.125	7.0	5.7	1	1.96	1400	5.3	1.8	14	1.9	363	0.5	0.8	0.834	0.10	0.8	143	0.7	20.0	55	89.3		
409545	0.126	11.1	3.8	< 1	2.23	1740	0.2	< 0.1	20	0.1	449	< 0.1	1.6	0.279	0.06	0.8	95	< 0.1	26.7	80	61.7		
409546	0.165	17.3	3.7	< 1	3.14	1410	0.5	0.3	26	1.2	326	< 0.1	2.1	0.386	0.08	1.0	101	< 0.1	25.9	87	50.7		
409547	0.058	17.5	1.9	< 1	5.96	1280	0.4	0.1	31	0.3	265	< 0.1	1.9	0.280	0.08	0.7	134	< 0.1	17.8	74	50.9		
409548	0.054	13.9	2.2	< 1	7.02	1310	0.6	0.2	33	1.0	162	< 0.1	1.5	0.347	0.06	0.6	148	< 0.1	18.3	74	44.9		
409549	0.089	11.8	1.4	< 1	4.81	1690	0.8	0.1	37	0.4	219	< 0.1	0.9	0.572	0.05	0.5	273	0.1	24.4	94	68.5		
409550	0.075	93.7	7.3	2	0.88	3320	135	2.7	14	6.4	105	< 0.1	3.7	0.339	0.28	34.7	199	21.3	19.2	18	136		
409551	0.124	18.5	2.2	< 1	3.64	1430	1.5	0.1	30	0.9	289	0.2	1.6	0.674	0.10	0.8	220	0.1	26.2	94	83.4		
409552	0.080	28.3	3.0	< 1	3.15	1810	1.2	< 0.1	35	0.5	299	< 0.1	1.5	0.633	0.20	0.6	271	< 0.1	25.4	127	50.3		
409553	0.089	23.4	3.6	< 1	3.23	2140	1.6	0.2	32	1.1	273	< 0.1	1.1	0.641	0.14	0.7	249	< 0.1	23.4	186	38.7		
409554	0.076	19.1	4.5	< 1	2.92	1800	0.4	0.2	30	1.4	227	< 0.1	0.7	0.337	0.10	1.0	112	< 0.1	23.0	157	17.8		
409555	0.071	13.0	4.2	2	3.32	1360	0.5	< 0.1	32	1.0	164	< 0.1	0.5	0.497	0.08	0.4	276	0.1	25.6	101	33.1		
409556	0.082	8.1	4.1	1	2.35	1230	2.2	0.2	21	1.8	108	< 0.1	1.3	0.513	0.05	1.2	143	0.1	25.9	76	92.4		
409557	0.027	11.5	1.4	< 1	1.96	924	6.2	0.2	14	1.0	52	0.3	2.2	0.347	< 0.05	1.3	114	2.5	27.9	56	141		
409558	0.047	4.1	1.2	3	3.53	1420	1.1	< 0.1	34	0.9	13	< 0.1	0.3	0.428	< 0.05	0.3	256	0.2	19.1	74	26.3		
409559	0.083	18.6	2.0	< 1	2.76	1370	2.5	0.1	29	0.9	114	< 0.1	1.9	0.629	0.09	0.7	246	1.0	18.9	74	76.8		
409560	0.086	4.6	2.0	5	2.63	1560	2.0	0.2	23	0.8	15	0.2	0.9	0.599	< 0.05	0.6	149	4.3	27.4	70	62.3		
409561	0.086	3.2	1.6	5	2.72	1580	2.0	0.2	24	0.8	12	0.2	0.8	0.629	< 0.05	0.9	161	6.3	26.0	74	60.7		
409562	0.097	2.2	2.3	< 1	2.92	1670	1.2	< 0.1	26	0.9	77	< 0.1	0.9	0.632	< 0.05	0.6	194	0.5	24.9	80	65.5		
409563	0.124	16.3	7.2	< 1	1.45	1100	3.7	0.9	6	1.5	295	0.4	1.3	0.521	0.20	1.1	90	1.9	12.2	88	125		
409564	0.083	7.9	4.7	< 1	2.99	2260	0.4	0.1	31	1.5	153	< 0.1	0.7	0.363	< 0.05	0.7	171	< 0.1	24.8	125	42.9		
409565	0.079	14.6	3.8	< 1	4.24	2560	0.2	< 0.1	34	0.4	99	< 0.1	0.7	0.177	0.05	0.7	139	< 0.1	22.1	251	20.8		
409566	0.109	15.6	3.0	< 1	3.91	3230	0.1	< 0.1	28	0.5	140	< 0.1	0.7	0.178	0.05	0.5	113	< 0.1	29.8	285	23.2		
409567	0.094	27.5	6.1	< 1	3.16	2460	0.2	< 0.1	29	0.7	122	< 0.1	0.6	0.186	0.12	0.5	109	< 0.1	21.2	219	13.3		
409568	0.065	27.8	55.5	< 1	2.62	1730	3.4	0.5	23	0.8	96	0.1	1.1	0.506	0.14	0.5	162	3.0	13.6	173	25.2		
409569	0.107	58.4	2.4	< 1	1.58	1120	2.7	0.3	19	0.9	174	0.1	3.2	0.546	0.34	1.1	134	2.3	16.4	116	84.8		
409570	0.018	39.5	7.0	< 1	0.50	260	10.0	0.1	5	0.8	272	< 0.1	1.1	0.145	0.21	0.3	26	< 0.1	5.4	18	47.9		
409571	0.072	53.3	3.4	2	1.54	1080	3.0	0.9	22	0.8	133	0.2	1.1	0.552	0.29	0.6	163	6.4	9.7	101	43.4		
409572	0.046	21.2	8.9	4	1.68	1170	4.0	2.7	22	0.4	59	< 0.1	1.3	0.271	0.12	0.9	186	7.8	10.9	120	33.1		
409573	0.107	23.5	3.7	1	2.21	1050	3.0	< 0.1	25	0.5	30	0.2	2.3	0.576	0.09	2.2	158	3.4	16.1	103	75.9		
409574	0.064	23.6	10.1	8	1.25	940	6.1	6.6	15	0.4	71	< 0.1	2.1	0.336	0.18	1.5	96	10.5	12.8	134	89.2	1.90	
409575	0.097	60.2	5.1	2	1.51	761	2.6	0.1	22	0.8	94	< 0.1	1.7	0.672	0.34	1.6	174	2.9	18.5	55	51.9		

Analyte Symbol	P	Rb	Pb	S	Mg	Mn	Mo	Sb	Sc	Sn	Sr	Ta	Th	Ti	Tl	U	V	W	Y	Zn	Zr	As	Cu
Unit Symbol	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
Lower Limit	0.001	0.1	0.1	1	0.01	1	0.1	0.1	1	0.1	1	0.1	0.1	0.001	0.05	0.1	4	0.1	0.1	1	0.1	0.01	0.005
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	FUS-Na2O2	FUS-Na2O2
409576	0.121	43.1	4.7	2	1.74	809	2.0	0.5	26	0.9	141	< 0.1	2.3	0.534	0.23	1.2	137	1.1	19.9	77	36.5		
409577	0.116	36.3	2.7	2	1.97	855	0.5	< 0.1	27	0.6	69	< 0.1	2.2	0.507	0.18	1.1	153	0.2	19.8	75	36.1		
409578	0.083	37.2	3.0	< 1	2.38	921	1.7	0.1	28	0.6	86	< 0.1	1.6	0.535	0.19	0.7	181	0.2	17.9	56	28.9		
409579	0.075	30.4	2.9	2	1.83	828	2.7	1.9	22	0.8	72	< 0.1	1.4	0.503	0.13	0.7	144	5.0	16.7	73	34.8		
409580	0.085	67.3	16.2	3	0.90	4900	318	8.4	7	11.3	61	< 0.1	1.1	0.194	0.31	63.8	98	62.6	17.2	37	123		1.75
409581	0.090	35.1	2.0	< 1	2.14	1040	2.8	0.2	25	0.9	72	0.3	1.6	0.691	0.13	0.7	175	4.3	18.0	80	40.4		
409582	0.097	36.3	1.9	< 1	2.23	1180	4.0	0.2	23	1.2	86	0.4	1.7	0.757	0.16	0.8	189	4.6	18.5	90	40.5		
409583	0.089	35.0	3.2	< 1	2.06	1250	2.2	0.2	29	1.4	196	0.3	1.6	0.709	0.17	1.5	204	0.7	18.0	146	65.1		
409584	0.064	22.8	4.1	< 1	2.09	1010	1.4	0.1	21	0.8	315	< 0.1	0.9	0.481	0.09	0.4	124	0.1	13.8	95	37.0		
409585	0.077	12.8	5.0	< 1	1.69	1200	3.6	0.9	12	1.6	262	0.5	0.5	0.728	0.13	0.5	183	1.0	11.4	69	55.7		
409586	0.093	17.0	2.2	< 1	2.11	1220	0.1	< 0.1	25	0.2	287	< 0.1	1.7	0.208	0.05	1.0	88	< 0.1	21.5	135	28.5		
409587	0.104	28.2	4.5	< 1	1.84	891	1.4	0.2	25	1.4	193	< 0.1	1.7	0.540	0.11	1.1	92	0.1	19.1	72	35.0		
409588	0.089	3.0	9.1	< 1	1.44	1430	0.3	0.3	28	0.4	741	< 0.1	1.6	0.214	< 0.05	0.7	93	< 0.1	21.2	53	14.6		
409589	0.094	25.1	2.7	< 1	2.82	1110	0.2	0.1	28	0.8	224	< 0.1	1.7	0.192	0.10	0.7	106	< 0.1	24.2	105	26.9		
409590	0.092	26.3	2.5	< 1	3.11	1150	0.6	0.2	30	0.9	192	< 0.1	1.7	0.323	0.10	0.7	129	< 0.1	24.3	83	37.3		
409591	0.006	0.3	8.6	1	0.08	124	10.7	1.4	1	1.4	50	1.3	4.6	0.054	< 0.05	1.9	< 4	5.6	7.6	30	174		
409592	0.006	3.1	9.7	< 1	0.22	180	12.4	1.1	3	2.0	88	1.2	13.4	0.052	< 0.05	4.0	< 4	4.5	20.4	16	169		
409593	0.029	62.9	3.3	< 1	4.08	1210	1.3	2.7	34	2.0	172	< 0.1	0.9	0.417	0.33	0.4	158	0.9	10.9	72	47.3		
409594	0.027	57.1	1.9	< 1	4.25	1120	0.6	3.7	34	0.3	126	< 0.1	0.9	0.236	0.28	0.5	124	< 0.1	9.6	67	31.2		
409595	0.033	61.3	1.9	< 1	3.99	1090	0.2	1.4	38	0.3	126	< 0.1	0.8	0.160	0.31	0.4	110	0.1	9.3	66	20.5		
409596	0.033	65.4	1.7	< 1	3.89	1110	0.2	0.6	38	0.4	125	< 0.1	0.8	0.116	0.35	0.6	107	0.2	10.7	77	16.0		
409597	0.038	45.5	2.0	< 1	3.86	1010	0.1	0.6	38	0.4	123	< 0.1	1.0	0.123	0.22	0.5	104	0.1	11.8	76	17.9		
409598	0.028	39.9	33.9	< 1	4.48	981	0.3	1.5	39	0.6	143	< 0.1	1.1	0.190	0.20	0.5	121	0.1	12.9	88	23.0		
409599	0.015	78.1	5.5	< 1	3.78	1020	0.8	34.1	42	0.3	98	< 0.1	0.1	0.284	0.42	0.4	179	0.3	8.8	79	22.3		
409600	0.075	97.3	8.2	2	0.91	3400	132	2.4	14	5.9	82	< 0.1	4.0	0.321	0.29	35.4	205	12.8	18.8	17	147		
409601	0.037	34.3	1.4	< 1	4.70	871	0.4	1.6	37	0.6	66	< 0.1	0.8	0.163	0.17	0.4	120	0.2	13.0	86	14.5		
409602	0.021	60.9	2.0	< 1	3.68	900	1.6	7.4	39	0.5	66	< 0.1	0.2	0.291	0.31	0.3	177	0.7	8.9	59	30.2		
409603	0.016	29.7	2.0	< 1	3.35	912	2.8	38.9	26	2.8	55	< 0.1	0.1	0.274	0.27	0.3	154	3.9	6.7	63	20.0		

Analyte Symbol	Zn
Unit Symbol	%
Lower Limit	0.01
Method Code	FUS-Na2O2
402251	
402252	
402253	
402254	
402255	
402256	
402257	
402258	
402259	
402260	
402261	
402262	
402263	
402264	
402265	
402266	
402267	
402268	2.74
402269	
402270	
402271	
402272	
402273	
402274	
402275	
402276	
402277	
402278	
402279	
402280	
402281	
402282	
402283	
402284	
402286	
402287	
402289	
402290	
402402	
402403	
402404	

Analyte Symbol	Zn
Unit Symbol	%
Lower Limit	0.01
Method Code	FUS-Na2O2
402405	
402406	
402407	
402408	
402409	
402410	
402411	
402412	
402459	
402460	
402461	
402462	
402463	
402464	
402465	
402466	
402467	
402468	
402469	
402470	
402471	
402472	
402473	
402474	
402475	
402476	
402477	
402478	
402479	
402480	
402481	
402482	
402483	
402484	
402485	
402486	
402487	
402488	
402489	
402490	
402491	
402492	

Analyte Symbol	Zn
Unit Symbol	%
Lower Limit	0.01
Method Code	FUS-Na2O2
402493	
402494	
402495	
402496	
402497	
402498	
402499	
402500	
409501	
409502	
409503	
409504	
409505	
409506	
409507	
409508	
409509	
409510	
409511	
409512	
409513	
409514	
409515	
409516	
409517	
409518	
409519	
409520	
409521	
409522	
409523	
409524	
409525	
409526	
409527	
409528	
409529	
409530	
409531	
409532	
409533	

Analyte Symbol	Zn
Unit Symbol	%
Lower Limit	0.01
Method Code	FUS-Na2O2
409534	
409535	
409536	
409537	
409538	
409539	
409540	
409541	
409542	
409543	
409544	
409545	
409546	
409547	
409548	
409549	
409550	
409551	
409552	
409553	
409554	
409555	
409556	
409557	
409558	
409559	
409560	
409561	
409562	
409563	
409564	
409565	
409566	
409567	
409568	
409569	
409570	
409571	
409572	
409573	
409574	
409575	

Analyte Symbol	Zn
Unit Symbol	%
Lower Limit	0.01
Method Code	FUS-Na2O2
409576	
409577	
409578	
409579	
409580	
409581	
409582	
409583	
409584	
409585	
409586	
409587	
409588	
409589	
409590	
409591	
409592	
409593	
409594	
409595	
409596	
409597	
409598	
409599	
409600	
409601	
409602	
409603	

Analyte Symbol	Te	Al	Ag	As	Au	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Cs	Fe	Hf	K	La	Li	Na	Nb	Ni
Unit Symbol	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm
Lower Limit	0.1	0.01	0.1	1	100	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.1	0.01	0.1	0.01	0.1	0.1	0.001	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-1 Meas	8.8	1.59	30.4	414	> 2000	596	< 1	1310	0.82	2.3	14	7.5	18	1040	2.1	22.9	0.4	0.04	6.4	7.1	0.042	0.8	43.7
GXR-1 Cert	13.0	3.52	31.0	427	3300	750	1.22	1380	0.960	3.30	17.0	8.20	12.0	1110	3.00	23.6	0.960	0.050	7.50	8.20	0.0520	0.800	41.0
GXR-1 Meas	9.2	1.90	32.3	449	> 2000	614	< 1	1300	0.89	2.5	15	7.6	18	1070	2.3	23.9	0.5	0.04	6.9	7.5	0.044	0.8	43.2
GXR-1 Cert	13.0	3.52	31.0	427	3300	750	1.22	1380	0.960	3.30	17.0	8.20	12.0	1110	3.00	23.6	0.960	0.050	7.50	8.20	0.0520	0.800	41.0
GXR-1 Meas		1.80	30.2	414	> 2000	684	< 1	1400	0.85	2.6	15	8.3	46	1080	2.7	23.3	0.5	0.04	7.9	7.0	0.043	0.7	39.8
GXR-1 Cert		3.52	31.0	427	3300	750	1.22	1380	0.960	3.30	17.0	8.20	12.0	1110	3.00	23.6	0.960	0.050	7.50	8.20	0.0520	0.800	41.0
GXR-1 Meas		2.13	33.6	472	> 2000	684	< 1	1430	0.91	2.6	16	9.8	54	1150	2.9	27.3	0.5	0.05	8.0	8.3	0.047	0.7	47.7
GXR-1 Cert		3.52	31.0	427	3300	750	1.22	1380	0.960	3.30	17.0	8.20	12.0	1110	3.00	23.6	0.960	0.050	7.50	8.20	0.0520	0.800	41.0
DH-1a Meas																							
DH-1a Cert																							
DH-1a Meas																							
DH-1a Cert																							
DH-1a Meas																							
DH-1a Cert																							
DH-1a Meas																							
DH-1a Cert																							
DH-1a Meas																							
DH-1a Cert																							
GXR-4 Meas	0.9	6.36	3.7	109	400	147	2	17.5	0.98	0.2	105	15.2	43	6150	2.3	3.15	1.2	4.09	53.9	11.2	0.530	10.2	44.7
GXR-4 Cert	0.970	7.20	4.0	98.0	500	1640	1.90	19.0	1.01	0.860	102	14.6	64.0	6520	2.80	3.09	6.30	4.01	64.5	11.1	0.564	10.0	42.0
GXR-4 Meas	0.9	5.88	3.5	106	400	141	2	17.5	0.98	0.3	109	13.9	52	5990	2.2	3.00	1.2	4.24	51.9	10.6	0.516	10.1	42.0
GXR-4 Cert	0.970	7.20	4.0	98.0	500	1640	1.90	19.0	1.01	0.860	102	14.6	64.0	6520	2.80	3.09	6.30	4.01	64.5	11.1	0.564	10.0	42.0
GXR-4 Meas		6.78	3.5	102	400	112	2	18.6	1.04	0.3	110	14.8	41	6290	2.6	3.09	1.2	3.42	61.7	11.7	0.547	9.2	41.7
GXR-4 Cert		7.20	4.0	98.0	500	1640	1.90	19.0	1.01	0.860	102	14.6	64.0	6520	2.80	3.09	6.30	4.01	64.5	11.1	0.564	10.0	42.0
GXR-4 Meas		6.72	3.6	106	400	109	2	18.4	1.04	0.4	111	14.5	47	6180	2.7	3.28	1.2	3.63	59.5	11.1	0.530	9.2	43.1
GXR-4 Cert		7.20	4.0	98.0	500	1640	1.90	19.0	1.01	0.860	102	14.6	64.0	6520	2.80	3.09	6.30	4.01	64.5	11.1	0.564	10.0	42.0
SDC-1 Meas		7.57		< 1		571	3		0.91		86	16.9	46	27.4	3.3	4.55	1.0	1.68	35.3	34.9	1.41	0.4	34.4
SDC-1 Cert		8.34		0.220		630	3.00		1.00		93.00	18.0	64.00	30.000	4.00	4.82	8.30	2.72	42.00	34.0	1.52	21.00	38.0
SDC-1 Meas		7.86		< 1		609	3		0.98		91	18.7	46	30.8	3.4	4.89	1.0	2.74	37.6	36.0	1.54	1.9	38.1
SDC-1 Cert		8.34		0.220		630	3.00		1.00		93.00	18.0	64.00	30.000	4.00	4.82	8.30	2.72	42.00	34.0	1.52	21.00	38.0
SDC-1 Meas		7.48		< 1		562	3		0.98		85	17.8	64	31.8	3.3	4.71	1.2	1.61	32.7	34.8	1.49	3.4	38.7
SDC-1 Cert		8.34		0.220		630	3.00		1.00		93.00	18.0	64.00	30.000	4.00	4.82	8.30	2.72	42.00	34.0	1.52	21.00	38.0
SDC-1 Meas		8.78		< 1		689	3		1.06		92	18.3	45	31.7	4.2	5.06	1.0	2.44	44.6	36.8	1.64	0.2	36.5
SDC-1 Cert		8.34		0.220		630	3.00		1.00		93.00	18.0	64.00	30.000	4.00	4.82	8.30	2.72	42.00	34.0	1.52	21.00	38.0
SDC-1 Meas		8.87		< 1		638	3		1.07		89	19.4	49	29.2	3.8	5.16	1.0	2.57	41.7	37.4	1.66	0.1	35.7
SDC-1 Cert		8.34		0.220		630	3.00		1.00		93.00	18.0	64.00	30.000	4.00	4.82	8.30	2.72	42.00	34.0	1.52	21.00	38.0
GXR-6 Meas	< 0.1	11.2	0.2	280	< 100	1090	1	0.2	0.14	< 0.1	36	13.1	67	64.7	3.4	5.33	2.5	1.56	11.3	32.9	0.091	2.7	24.7
GXR-6 Cert	0.0180	17.7	1.30	330	95.0	1300	1.40	0.290	0.180	1.00	36.0	13.8	96.0	66.0	4.20	5.58	4.30	1.87	13.9	32.0	0.104	7.50	27.0
GXR-6 Meas	< 0.1	11.8	0.2	275	< 100	1200	1	0.2	0.15	0.1	36	14.3	67	73.0	3.8	5.83	2.3	1.94	11.9	34.7	0.095	0.2	26.9
GXR-6 Cert	0.0180	17.7	1.30	330	95.0	1300	1.40	0.290	0.180	1.00	36.0	13.8	96.0	66.0	4.20	5.58	4.30	1.87	13.9	32.0	0.104	7.50	27.0
GXR-6 Meas		12.0	0.2	241	< 100	1160	1	0.2	0.16	< 0.1	37	13.8	54	70.4	3.7	5.69	1.7	1.96	11.9	33.8	0.097	0.1	26.2
GXR-6 Cert		17.7	1.30	330	95.0	1300	1.40	0.290	0.180	1.00	36.0	13.8	96.0	66.0	4.20	5.58	4.30	1.87	13.9	32.0	0.104	7.50	27.0

Analyte Symbol	Te	Al	Ag	As	Au	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Cs	Fe	Hf	K	La	Li	Na	Nb	Ni
Unit Symbol	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm
Lower Limit	0.1	0.01	0.1	1	100	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.1	0.01	0.1	0.01	0.1	0.1	0.001	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-6 Meas		13.6	0.2	237	< 100	1380	1	0.2	0.17	0.1	37	14.4	48	72.0	4.3	5.86	2.0	1.95	13.9	37.1	0.102	0.2	25.9
GXR-6 Cert		17.7	1.30	330	95.0	1300	1.40	0.290	0.180	1.00	36.0	13.8	96.0	66.0	4.20	5.58	4.30	1.87	13.9	32.0	0.104	7.50	27.0
GXR-6 Meas		13.6	0.2	236	100	1360	1	0.2	0.19	< 0.1	37	14.9	51	68.0	4.3	6.01	2.0	2.10	13.9	35.7	0.102	0.2	26.9
GXR-6 Cert		17.7	1.30	330	95.0	1300	1.40	0.290	0.180	1.00	36.0	13.8	96.0	66.0	4.20	5.58	4.30	1.87	13.9	32.0	0.104	7.50	27.0
OREAS 134b (Fusion) Meas																							
OREAS 134b (Fusion) Cert																							
MP-1b Meas																							
MP-1b Cert																							
DNC-1a Meas						97						55.4	197	97.0					3.4	4.6		1.3	275
DNC-1a Cert						118						57	270	100					3.6	5.2		3	247
DNC-1a Meas						104						60.1	155	98.6					3.7	4.8		1.6	261
DNC-1a Cert						118						57	270	100					3.6	5.2		3	247
DNC-1a Meas						111						59.2	139	99.5					3.9	4.5		1.2	269
DNC-1a Cert						118						57	270	100					3.6	5.2		3	247
DNC-1a Meas						111						62.7	142	95.3					3.9	4.7		1.2	285
DNC-1a Cert						118						57	270	100					3.6	5.2		3	247
CPB-2 Meas																							
CPB-2 Cert																							
CZN-4 Meas																							
CZN-4 Cert																							
SBC-1 Meas				23		529	3	0.6		0.4	111	22.1	96	29.3	6.8		3.0		46.1	162		12.3	87.3
SBC-1 Cert				25.7		788.0	3.20	0.70		0.40	108.0	22.7	109	31.0000	8.2		3.7		52.5	163		15.3	82.8
SBC-1 Meas				27		752	3	0.7		0.4	111	22.8	96	32.2	7.2		3.5		48.7	168		15.3	88.9
SBC-1 Cert				25.7		788.0	3.20	0.70		0.40	108.0	22.7	109	31.0000	8.2		3.7		52.5	163		15.3	82.8
SBC-1 Meas				25		724	3	0.6		0.3	106	22.0	78	30.1	6.9		3.2		44.6	156		14.4	90.7
SBC-1 Cert				25.7		788.0	3.20	0.70		0.40	108.0	22.7	109	31.0000	8.2		3.7		52.5	163		15.3	82.8
SBC-1 Meas				24		639	4	0.7		0.4	107	24.1	74	31.5	8.1		3.5		53.5	163		12.7	91.4
SBC-1 Cert				25.7		788.0	3.20	0.70		0.40	108.0	22.7	109	31.0000	8.2		3.7		52.5	163		15.3	82.8
SBC-1 Meas				24		621	3	0.7		0.3	107	23.9	73	27.5	8.2		3.5		51.7	160		12.6	87.6
SBC-1 Cert				25.7		788.0	3.20	0.70		0.40	108.0	22.7	109	31.0000	8.2		3.7		52.5	163		15.3	82.8
OREAS 45d (4-Acid) Meas		7.27		5		171	< 1	0.3	0.16		38	30.9	504	371	3.3	14.3	1.9	0.42	15.8	21.3	0.092	0.5	251
OREAS 45d (4-Acid) Cert		8.150		13.8		183.0	0.79	0.31	0.185		37.20	29.50	549	371	3.910	14.5	3.830	0.412	16.9	21.5	0.101	14.50	231.0
OREAS 45d (4-Acid) Meas		7.37		8		174	< 1	0.3	0.18		38	31.4	531	378	3.3	14.6	2.2	0.43	15.8	21.1	0.090	0.7	255
OREAS 45d (4-Acid) Cert		8.150		13.8		183.0	0.79	0.31	0.185		37.20	29.50	549	371	3.910	14.5	3.830	0.412	16.9	21.5	0.101	14.50	231.0

Analyte Symbol	Te	Al	Ag	As	Au	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Cs	Fe	Hf	K	La	Li	Na	Nb	Ni
Unit Symbol	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm
Lower Limit	0.1	0.01	0.1	1	100	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.1	0.01	0.1	0.01	0.1	0.1	0.001	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 45d (4-Acid) Meas		7.19		15		168	< 1	0.3	0.18		38	28.5	528	368	3.2	14.1	3.3	0.42	15.4	20.4	0.090	3.6	248
OREAS 45d (4-Acid) Cert		8.150		13.8		183.0	0.79	0.31	0.185		37.20	29.50	549	371	3.910	14.5	3.830	0.412	16.9	21.5	0.101	14.50	231.0
OREAS 45d (4-Acid) Meas		7.80		6		190	< 1	0.3	0.19		36	30.4	425	361	3.8	14.6	1.4	0.39	17.5	21.1	0.100	0.2	238
OREAS 45d (4-Acid) Cert		8.150		13.8		183.0	0.79	0.31	0.185		37.20	29.50	549	371	3.910	14.5	3.830	0.412	16.9	21.5	0.101	14.50	231.0
OREAS 45d (4-Acid) Meas		7.81		7		192	< 1	0.3	0.19		37	31.6	467	339	3.8	14.8	1.3	0.41	17.6	20.5	0.093	0.3	242
OREAS 45d (4-Acid) Cert		8.150		13.8		183.0	0.79	0.31	0.185		37.20	29.50	549	371	3.910	14.5	3.830	0.412	16.9	21.5	0.101	14.50	231.0
SdAR-M2 (U.S.G.S.) Meas						872	7	1.0		6.0	102	13.3	57	236	1.5		2.2		41.6	18.3		6.5	52.5
SdAR-M2 (U.S.G.S.) Cert						990	6.6	1.05		5.1	98.8	12.4	49.6	236.0000	1.82		7.29		46.6	17.9		26.2	48.8
SdAR-M2 (U.S.G.S.) Meas						951	7	1.0		5.6	100	14.1	39	242	1.5		3.5		41.7	18.3		7.3	52.9
SdAR-M2 (U.S.G.S.) Cert						990	6.6	1.05		5.1	98.8	12.4	49.6	236.0000	1.82		7.29		46.6	17.9		26.2	48.8
SdAR-M2 (U.S.G.S.) Meas						1040	7	1.0		5.4	98	13.0	33	240	1.7		3.4		47.7	18.4		9.4	52.1
SdAR-M2 (U.S.G.S.) Cert						990	6.6	1.05		5.1	98.8	12.4	49.6	236.0000	1.82		7.29		46.6	17.9		26.2	48.8
SdAR-M2 (U.S.G.S.) Meas						1020	7	1.1		5.3	97	13.7	37	230	1.8		3.2		46.3	18.0		4.5	52.7
SdAR-M2 (U.S.G.S.) Cert						990	6.6	1.05		5.1	98.8	12.4	49.6	236.0000	1.82		7.29		46.6	17.9		26.2	48.8
CCU-1e Meas																							
CCU-1e Cert																							
402251 Orig	0.1	7.39	0.1	6	< 100	228	1	0.3	5.81	< 0.1	35	31.0	120	146	0.8	11.4	2.1	1.18	16.9	16.7	0.644	5.0	24.0
402251 Dup	0.1	7.23	0.1	6	< 100	224	1	0.3	5.76	0.1	36	31.4	124	145	0.7	11.1	2.0	1.15	16.5	17.0	0.656	4.6	24.2
402402 Orig	< 0.1	6.68	< 0.1	7	< 100	149	< 1	< 0.1	5.45	< 0.1	10	42.8	101	76.6	0.8	6.46	0.9	1.00	4.6	37.3	1.12	0.1	68.9
402402 Dup	< 0.1	6.40	< 0.1	7	< 100	144	< 1	< 0.1	5.29	< 0.1	10	40.9	102	79.7	0.8	6.30	0.7	0.95	4.4	36.0	1.08	0.1	68.8
402404 Orig	< 0.1	7.10	< 0.1	9	< 100	171	< 1	< 0.1	4.69	0.1	11	43.4	138	82.4	0.6	6.32	0.6	0.84	4.7	23.6	1.95	0.1	74.5
402404 Dup	< 0.1	7.32	< 0.1	10	< 100	172	< 1	< 0.1	4.79	0.1	11	43.9	148	87.2	0.6	6.49	0.7	0.85	4.9	24.3	1.98	0.1	76.0
402486 Orig	< 0.1	8.81	0.2	16	< 100	219	< 1	0.6	5.46	0.2	19	32.9	37	139	0.7	10.3	0.5	1.58	8.0	19.8	0.800	3.6	14.8
402486 Dup	< 0.1	9.06	0.1	17	< 100	203	< 1	0.6	5.50	0.2	19	32.4	32	140	0.7	10.4	0.4	1.60	7.9	19.9	0.803	2.5	13.7
402491 Orig	< 0.1	8.50	0.5	16	< 100	204	< 1	1.0	4.59	0.2	36	35.9	41	659	1.2	10.4	0.9	1.64	15.5	17.2	1.28	0.5	12.9
402491 Dup	< 0.1	8.03	0.5	12	< 100	197	< 1	0.9	4.51	0.1	36	35.8	46	646	1.2	10.1	0.9	1.54	15.6	16.6	1.22	1.0	12.5
409522 Orig	< 0.1	3.91	< 0.1	1	< 100	109	< 1	< 0.1	9.82	< 0.1	18	14.8	71	59.1	0.2	3.01	0.2	0.22	7.6	6.9	1.53	0.1	12.6
409522 Dup	< 0.1	4.13	< 0.1	1	< 100	114	< 1	< 0.1	9.74	< 0.1	18	14.9	72	60.7	0.2	3.07	0.2	0.24	7.8	7.2	1.54	< 0.1	13.0
409532 Orig		5.11	0.2	44	600	477	1	5.3	1.33	0.6	52	4.5	114	57.7	0.4	1.89	3.7	1.60	23.2	7.4	2.15	7.8	5.1
409532 Dup		4.70	0.1	34	600	450	1	5.2	1.26	0.5	53	4.1	110	53.9	0.4	1.74	3.5	1.48	23.8	6.9	2.07	7.6	4.6
409534 Orig		5.74	4.2	115	200	84	2	21.9	2.03	2.2	65	10.8	148	174	0.5	4.19	3.9	1.58	28.4	11.6	2.33	1.6	7.8

Analyte Symbol	Te	Al	Ag	As	Au	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Cs	Fe	Hf	K	La	Li	Na	Nb	Ni
Unit Symbol	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm
Lower Limit	0.1	0.01	0.1	1	100	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.1	0.01	0.1	0.01	0.1	0.1	0.001	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
409534 Dup		5.28	3.9	115	100	90	2	20.4	1.98	2.0	55	10.7	132	163	0.5	3.92	3.8	1.69	23.7	11.1	2.21	0.6	7.5
409561 Orig	< 0.1	7.22	0.3	332	200	22	< 1	4.2	0.80	< 0.1	68	70.5	35	731	0.3	27.5	1.6	0.08	29.2	12.9	0.121	3.5	40.1
409561 Dup	< 0.1	7.39	0.3	293	100	21	< 1	4.3	0.79	< 0.1	68	69.7	30	724	0.3	27.8	1.6	0.08	29.8	13.1	0.124	3.6	40.8
409586 Orig	< 0.1	8.65	< 0.1	< 1	< 100	131	< 1	< 0.1	6.55	< 0.1	36	26.6	37	40.8	0.2	7.47	0.8	0.62	15.7	15.1	2.40	0.2	7.7
409586 Dup	< 0.1	8.56	< 0.1	< 1	< 100	128	< 1	< 0.1	6.42	< 0.1	36	26.6	33	41.1	0.2	7.36	0.5	0.63	15.7	14.7	2.37	0.2	7.9
Method Blank		< 0.01	< 0.1	< 1	< 100	< 1	< 1	< 0.1	< 0.01	< 0.1	< 1	< 0.2	16	< 0.1	< 0.1	< 0.01	< 0.1	< 0.01	0.2	0.1	0.002	< 0.1	0.1
Method Blank		< 0.01	< 0.1	< 1	< 100	< 1	< 1	< 0.1	< 0.01	< 0.1	< 1	< 0.2	10	0.1	< 0.1	< 0.01	< 0.1	< 0.01	< 0.1	0.1	0.002	< 0.1	0.2
Method Blank		< 0.01	< 0.1	< 1	< 100	< 1	< 1	< 0.1	< 0.01	< 0.1	< 1	< 0.2	15	0.1	< 0.1	0.01	< 0.1	< 0.01	< 0.1	0.1	0.002	< 0.1	0.2
Method Blank		0.01	< 0.1	< 1	< 100	< 1	< 1	< 0.1	0.01	< 0.1	< 1	< 0.2	9	0.4	< 0.1	< 0.01	< 0.1	< 0.01	< 0.1	0.1	0.008	< 0.1	0.1
Method Blank		< 0.01	< 0.1	< 1	< 100	< 1	< 1	< 0.1	< 0.01	< 0.1	< 1	< 0.2	7	< 0.1	< 0.1	< 0.01	< 0.1	< 0.01	< 0.1	< 0.1	0.002	< 0.1	0.1
Method Blank		0.01	< 0.1	< 1	< 100	< 1	< 1	< 0.1	< 0.01	< 0.1	< 1	< 0.2	3	0.2	< 0.1	< 0.01	< 0.1	< 0.01	< 0.1	< 0.1	0.004	< 0.1	0.4
Method Blank		< 0.01	< 0.1	< 1	< 100	< 1	< 1	< 0.1	< 0.01	< 0.1	< 1	< 0.2	3	0.2	< 0.1	< 0.01	< 0.1	< 0.01	< 0.1	< 0.1	0.002	< 0.1	0.2
Method Blank		< 0.01	< 0.1	< 1	< 100	< 1	< 1	< 0.1	< 0.01	< 0.1	< 1	< 0.2	3	< 0.1	< 0.1	< 0.01	< 0.1	< 0.01	< 0.1	< 0.1	0.002	< 0.1	< 0.1
Method Blank	< 0.1																						
Method Blank	< 0.1																						
Method Blank	< 0.1																						
Method Blank	< 0.1																						
Method Blank	< 0.1																						
Method Blank																							

Analyte Symbol	P	Rb	Pb	S	Mg	Mn	Mo	Sb	Sc	Sn	Sr	Ta	Th	Ti	Tl	U	V	W	Y	Zn	Zr	As	Cu
Unit Symbol	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
Lower Limit	0.001	0.1	0.1	1	0.01	1	0.1	0.1	1	0.1	1	0.1	0.1	0.001	0.05	0.1	4	0.1	0.1	1	0.1	0.01	0.005
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	FUS-Na2O2	FUS-Na2O2
GXR-1 Meas	0.055	2.5	696	< 1	0.19	853	18.3	47.1	< 1	29.8	272	< 0.1	2.3	0.023	0.39	34.9	75	145	23.2	719	24.5		
GXR-1 Cert	0.0650	14.0	730	0.257	0.217	852	18.0	122	1.58	54.0	275	0.175	2.44	0.036	0.390	34.9	80.0	164	32.0	760	38.0		
GXR-1 Meas	0.057	2.9	724	< 1	0.20	898	19.4	43.4	1	29.4	311	< 0.1	2.6	0.024	0.39	34.2	83	148	28.7	792	25.7		
GXR-1 Cert	0.0650	14.0	730	0.257	0.217	852	18.0	122	1.58	54.0	275	0.175	2.44	0.036	0.390	34.9	80.0	164	32.0	760	38.0		
GXR-1 Meas	0.064	2.8	766	< 1	0.20	778	17.3	34.5	< 1	25.6	258	< 0.1	2.6	0.023	0.35	34.4	72	146	26.7	762	21.5		
GXR-1 Cert	0.0650	14.0	730	0.257	0.217	852	18.0	122	1.58	54.0	275	0.175	2.44	0.036	0.390	34.9	80.0	164	32.0	760	38.0		
GXR-1 Meas	0.074	3.1	769	< 1	0.23	840	19.6	36.1	1	27.8	300	< 0.1	2.5	0.029	0.37	33.4	86	148	29.5	870	21.8		
GXR-1 Cert	0.0650	14.0	730	0.257	0.217	852	18.0	122	1.58	54.0	275	0.175	2.44	0.036	0.390	34.9	80.0	164	32.0	760	38.0		
DH-1a Meas													896			2390							
DH-1a Cert													910			2629							
DH-1a Meas													921			2450							
DH-1a Cert													910			2629							
DH-1a Meas													848			2310							
DH-1a Cert													910			2629							
DH-1a Meas													1050			2930							
DH-1a Cert													910			2629							
DH-1a Meas													892			2460							
DH-1a Cert													910			2629							
GXR-4 Meas	0.146	143	49.8	2	1.73	175	316	4.8	8	7.2	213	0.6	19.1	0.276	3.34	6.0	90	34.1	13.6	67	44.6		
GXR-4 Cert	0.120	160	52.0	1.77	1.66	155	310	4.80	7.70	5.60	221	0.790	22.5	0.29	3.20	6.20	87.0	30.8	14.0	73.0	186		
GXR-4 Meas	0.137	142	49.8	2	1.63	172	339	4.6	7	7.6	217	0.6	21.5	0.266	3.28	5.8	90	34.6	12.8	68	41.9		
GXR-4 Cert	0.120	160	52.0	1.77	1.66	155	310	4.80	7.70	5.60	221	0.790	22.5	0.29	3.20	6.20	87.0	30.8	14.0	73.0	186		
GXR-4 Meas	0.158	139	50.6	2	1.80	150	320	4.7	7	8.2	197	0.6	21.1	0.279	3.27	6.1	82	34.9	13.5	68	39.2		
GXR-4 Cert	0.120	160	52.0	1.77	1.66	155	310	4.80	7.70	5.60	221	0.790	22.5	0.29	3.20	6.20	87.0	30.8	14.0	73.0	186		
GXR-4 Meas	0.165	139	49.5	2	1.79	151	329	4.7	8	7.7	209	0.6	20.7	0.308	3.24	5.8	87	36.0	13.5	78	40.1		
GXR-4 Cert	0.120	160	52.0	1.77	1.66	155	310	4.80	7.70	5.60	221	0.790	22.5	0.29	3.20	6.20	87.0	30.8	14.0	73.0	186		
SDC-1 Meas	0.056	94.7	24.1		0.78	870		< 0.1	14	0.6	161	< 0.1	12.0	0.201	0.61	2.8	49	0.3		95	41.0		
SDC-1 Cert	0.0690	127.00	25.00		1.02	880.00		0.54	17.00	3.00	180.00	1.20	12.00	0.606	0.70	3.10	102.00	0.80		103.00	290.00		
SDC-1 Meas	0.058	118	29.8		0.82	904		0.2	15	0.8	169	0.1	12.1	0.162	0.66	2.8	45	< 0.1		102	40.9		
SDC-1 Cert	0.0690	127.00	25.00		1.02	880.00		0.54	17.00	3.00	180.00	1.20	12.00	0.606	0.70	3.10	102.00	0.80		103.00	290.00		
SDC-1 Meas	0.058	90.6	24.8		1.00	899		0.2	15	1.0	172	0.2	11.4	0.284	0.64	2.7	66	0.1		105	49.3		
SDC-1 Cert	0.0690	127.00	25.00		1.02	880.00		0.54	17.00	3.00	180.00	1.20	12.00	0.606	0.70	3.10	102.00	0.80		103.00	290.00		
SDC-1 Meas	0.065	120	26.0		1.07	870		< 0.1	15	0.3	167	< 0.1	12.7	0.193	0.61	3.3	49	0.1		102	35.9		
SDC-1 Cert	0.0690	127.00	25.00		1.02	880.00		0.54	17.00	3.00	180.00	1.20	12.00	0.606	0.70	3.10	102.00	0.80		103.00	290.00		
SDC-1 Meas	0.065	115	25.3		1.10	865		< 0.1	16	0.3	161	< 0.1	12.2	0.198	0.60	3.2	52	< 0.1		105	34.5		
SDC-1 Cert	0.0690	127.00	25.00		1.02	880.00		0.54	17.00	3.00	180.00	1.20	12.00	0.606	0.70	3.10	102.00	0.80		103.00	290.00		
GXR-6 Meas	0.035	70.6	101	< 1	0.57	1030	1.1	1.4	23	0.8	33	0.2	5.4		2.29	1.6	146	1.0	11.6	117	95.7		
GXR-6 Cert	0.0350	90.0	101	0.0160	0.609	1010	2.40	3.60	27.6	1.70	35.0	0.485	5.30		2.20	1.54	186	1.90	14.0	118	110		
GXR-6 Meas	0.038	78.7	109	< 1	0.60	1120	0.5	0.4	26	1.0	37	< 0.1	5.4		2.43	1.5	135	< 0.1	12.6	141	85.1		
GXR-6 Cert	0.0350	90.0	101	0.0160	0.609	1010	2.40	3.60	27.6	1.70	35.0	0.485	5.30		2.20	1.54	186	1.90	14.0	118	110		
GXR-6 Meas	0.036	83.7	104	< 1	0.59	1080	0.2	0.2	27	0.5	37	< 0.1	5.5		2.29	1.5	113	< 0.1	12.5	135	65.8		

Analyte Symbol	P	Rb	Pb	S	Mg	Mn	Mo	Sb	Sc	Sn	Sr	Ta	Th	Ti	Tl	U	V	W	Y	Zn	Zr	As	Cu
Unit Symbol	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
Lower Limit	0.001	0.1	0.1	1	0.01	1	0.1	0.1	1	0.1	1	0.1	0.1	0.001	0.05	0.1	4	0.1	0.1	1	0.1	0.01	0.005
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	FUS-Na2O2	FUS-Na2O2
GXR-6 Cert	0.0350	90.0	101	0.0160	0.609	1010	2.40	3.60	27.6	1.70	35.0	0.485	5.30		2.20	1.54	186	1.90	14.0	118	110		
GXR-6 Meas	0.039	84.8	103	< 1	0.63	977	0.3	0.3	25	0.7	38	< 0.1	5.4		2.23	1.5	105	0.1	13.1	131	64.4		
GXR-6 Cert	0.0350	90.0	101	0.0160	0.609	1010	2.40	3.60	27.6	1.70	35.0	0.485	5.30		2.20	1.54	186	1.90	14.0	118	110		
GXR-6 Meas	0.038	85.3	102	< 1	0.61	990	0.3	0.3	27	0.6	37	< 0.1	5.4		2.24	1.5	111	0.1	12.5	135	63.1		
GXR-6 Cert	0.0350	90.0	101	0.0160	0.609	1010	2.40	3.60	27.6	1.70	35.0	0.485	5.30		2.20	1.54	186	1.90	14.0	118	110		
OREAS 134b (Fusion) Meas																						0.02	0.136
OREAS 134b (Fusion) Cert																						0.02	0.134
MP-1b Meas																						2.32	3.08
MP-1b Cert																						2.30	3.07
DNC-1a Meas		3.5	6.3					0.4	30		142			0.284			146		15.8	61	43.0		
DNC-1a Cert		5	6.3					0.96	31		144			0.29			148		18.0	70	38.0		
DNC-1a Meas		3.7	10.2					0.6	32		149			0.298			154		17.0	63	40.4		
DNC-1a Cert		5	6.3					0.96	31		144			0.29			148		18.0	70	38.0		
DNC-1a Meas		3.7	6.3					0.5	29		135			0.281			131		16.0	64	37.5		
DNC-1a Cert		5	6.3					0.96	31		144			0.29			148		18.0	70	38.0		
DNC-1a Meas		3.8	6.4					0.4	31		145			0.298			138		16.2	67	37.0		
DNC-1a Cert		5	6.3					0.96	31		144			0.29			148		18.0	70	38.0		
CPB-2 Meas																							0.124
CPB-2 Cert																							0.1213
CZN-4 Meas																						0.04	0.408
CZN-4 Cert																						0.0356	0.403
SBC-1 Meas		107	36.1				2.3	1.2	19	3.2	171	0.8	16.4	0.455	0.93	6.2	206	1.9	30.3	175	126		
SBC-1 Cert		147	35.0				2.4	1.01	20.0	3.3	178.0	1.10	15.8	0.51	0.89	5.76	220.0	1.60	36.5	186	134.0		
SBC-1 Meas		144	38.0				2.4	1.4	20	3.8	182	0.8	17.2	0.507	0.97	6.4	218	3.5	31.3	197	135		
SBC-1 Cert		147	35.0				2.4	1.01	20.0	3.3	178.0	1.10	15.8	0.51	0.89	5.76	220.0	1.60	36.5	186	134.0		
SBC-1 Meas		137	35.6				2.2	1.3	20	3.6	175	0.8	16.0	0.461	0.92	5.9	208	1.5	30.1	184	130		
SBC-1 Cert		147	35.0				2.4	1.01	20.0	3.3	178.0	1.10	15.8	0.51	0.89	5.76	220.0	1.60	36.5	186	134.0		
SBC-1 Meas		149	37.4				2.2	1.3	20	3.8	170	0.8	16.2	0.512	0.91	6.2	201	1.9	31.5	198	120		
SBC-1 Cert		147	35.0				2.4	1.01	20.0	3.3	178.0	1.10	15.8	0.51	0.89	5.76	220.0	1.60	36.5	186	134.0		
SBC-1 Meas		145	36.7				2.1	1.3	18	3.8	170	0.8	16.2	0.518	0.90	6.0	198	1.7	30.4	189	112		
SBC-1 Cert		147	35.0				2.4	1.01	20.0	3.3	178.0	1.10	15.8	0.51	0.89	5.76	220.0	1.60	36.5	186	134.0		
OREAS 45d (4-Acid) Meas	0.034	40.8	22.9	< 1	0.23	508	0.3	< 0.1	50	0.6	31	< 0.1	15.6	0.197	0.27	3.1	98	0.3	10.8	41	74.0		
OREAS 45d (4-Acid) Cert	0.042	42.1	21.8	0.049	0.245	490.000	2.500	0.82	49.30	2.78	31.30	1.02	14.5	0.773	0.27	2.63	235.0	1.62	9.53	45.7	141		
OREAS 45d (4-Acid) Meas	0.036	40.8	21.6	< 1	0.24	522	0.4	< 0.1	50	0.8	31	< 0.1	15.2	0.268	0.25	3.0	113	< 0.1	11.1	40	92.6		
OREAS 45d (4-Acid) Cert	0.042	42.1	21.8	0.049	0.245	490.000	2.500	0.82	49.30	2.78	31.30	1.02	14.5	0.773	0.27	2.63	235.0	1.62	9.53	45.7	141		
OREAS 45d (4-Acid) Meas	0.038	41.8	22.4	< 1	0.23	509	1.1	2.5	50	1.3	31	< 0.1	15.2	0.484	0.26	2.9	165	0.1	11.0	36	141		

Analyte Symbol	P	Rb	Pb	S	Mg	Mn	Mo	Sb	Sc	Sn	Sr	Ta	Th	Ti	Tl	U	V	W	Y	Zn	Zr	As	Cu
Unit Symbol	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
Lower Limit	0.001	0.1	0.1	1	0.01	1	0.1	0.1	1	0.1	1	0.1	0.1	0.001	0.05	0.1	4	0.1	0.1	1	0.1	0.01	0.005
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	FUS-Na2O2	FUS-Na2O2
OREAS 45d (4-Acid) Cert	0.042	42.1	21.8	0.049	0.245	490.000	2.500	0.82	49.30	2.78	31.30	1.02	14.5	0.773	0.27	2.63	235.0	1.62	9.53	45.7	141		
OREAS 45d (4-Acid) Meas	0.036	42.3	22.3	< 1	0.24	437	0.2	< 0.1	48	0.7	29	< 0.1	14.8	0.167	0.23	2.9	73	0.1	11.0	41	49.2		
OREAS 45d (4-Acid) Cert	0.042	42.1	21.8	0.049	0.245	490.000	2.500	0.82	49.30	2.78	31.30	1.02	14.5	0.773	0.27	2.63	235.0	1.62	9.53	45.7	141		
OREAS 45d (4-Acid) Meas	0.037	42.8	22.1	< 1	0.23	451	0.2	< 0.1	48	0.7	28	< 0.1	14.6	0.176	0.22	2.8	85	< 0.1	10.9	43	51.1		
OREAS 45d (4-Acid) Cert	0.042	42.1	21.8	0.049	0.245	490.000	2.500	0.82	49.30	2.78	31.30	1.02	14.5	0.773	0.27	2.63	235.0	1.62	9.53	45.7	141		
SdAR-M2 (U.S.G.S.) Meas		103	764				12.3		3		135	0.3	14.8			2.7	23	1.0	24.0	776	115		
SdAR-M2 (U.S.G.S.) Cert		149	808				13.3		4.1		144	1.8	14.2			2.53	25.2	2.8	32.7	760	259		
SdAR-M2 (U.S.G.S.) Meas		120	768				10.9		3		138	0.4	14.9			2.6	22	1.1	24.6	803	128		
SdAR-M2 (U.S.G.S.) Cert		149	808				13.3		4.1		144	1.8	14.2			2.53	25.2	2.8	32.7	760	259		
SdAR-M2 (U.S.G.S.) Meas		150	783				11.3		4		130	0.5	14.1			2.6	23	1.3	24.6	799	107		
SdAR-M2 (U.S.G.S.) Cert		149	808				13.3		4.1		144	1.8	14.2			2.53	25.2	2.8	32.7	760	259		
SdAR-M2 (U.S.G.S.) Meas		151	791				10.8		4		141	0.3	14.2			2.6	25	0.5	24.3	810	104		
SdAR-M2 (U.S.G.S.) Cert		149	808				13.3		4.1		144	1.8	14.2			2.53	25.2	2.8	32.7	760	259		
CCU-1e Meas																						0.11	
CCU-1e Cert																						0.101	
402251 Orig	0.125	38.4	8.6	< 1	2.09	1580	8.5	1.9	27	2.5	204	0.3	2.2	0.488	0.33	1.6	224	1.4	16.6	132	79.3		
402251 Dup	0.120	37.3	8.3	< 1	2.06	1530	8.6	1.8	26	2.1	199	0.2	2.2	0.474	0.34	1.6	219	1.6	16.2	130	75.4		
402402 Orig	0.028	31.0	2.0	< 1	4.91	856	0.5	0.4	38	0.4	102	< 0.1	0.8	0.268	0.11	0.3	164	0.1	10.3	62	32.4		
402402 Dup	0.027	30.4	1.9	< 1	4.89	821	0.2	0.2	37	0.3	97	< 0.1	0.8	0.156	0.11	0.3	123	0.1	10.1	63	23.8		
402404 Orig	0.033	24.6	2.4	< 1	5.16	942	0.2	0.2	43	0.5	100	< 0.1	0.9	0.173	0.10	0.4	114	0.2	11.6	72	22.1		
402404 Dup	0.034	24.7	2.0	< 1	5.36	966	0.2	0.3	45	0.5	100	< 0.1	0.9	0.191	0.09	0.4	118	0.1	11.8	69	23.8		
402486 Orig	0.066	45.0	6.5	< 1	2.64	2030	2.2	0.2	19	1.0	116	0.1	0.6	0.611	0.20	0.4	205	1.0	13.7	156	20.4		
402486 Dup	0.065	44.4	4.7	< 1	2.61	2050	1.6	0.2	19	1.1	115	< 0.1	0.6	0.543	0.20	0.3	176	0.7	13.3	156	17.3		
402491 Orig	0.110	60.2	6.7	< 1	1.80	1060	0.5	0.2	24	1.8	109	< 0.1	2.0	0.373	0.33	1.2	97	0.1	24.2	86	31.4		
402491 Dup	0.107	59.5	6.6	< 1	1.76	1050	0.6	0.2	25	1.8	108	< 0.1	1.9	0.375	0.32	1.1	100	0.2	24.9	83	33.6		
409522 Orig	0.059	6.9	2.0	< 1	1.05	596	0.8	< 0.1	12	0.3	141	< 0.1	0.8	0.186	< 0.05	0.4	54	< 0.1	12.2	53	9.4		
409522 Dup	0.061	7.2	2.0	< 1	1.07	593	0.6	< 0.1	13	0.3	150	< 0.1	0.8	0.154	< 0.05	0.4	54	< 0.1	12.6	50	9.0		
409532 Orig	0.031	54.9	13.4	< 1	0.24	370	48.9	4.6	4	2.7	111	0.6	9.7	0.141	0.28	2.8	15	26.3	10.2	67	150		
409532 Dup	0.029	49.5	12.6	< 1	0.22	343	23.0	4.3	3	2.6	105	0.6	9.6	0.134	0.26	3.0	14	23.9	9.5	63	141		
409534 Orig	0.041	58.3	324	2	0.31	518	14.4	4.6	5	4.1	142	0.1	9.7	0.176	0.33	3.1	18	> 200	15.1	151	174		
409534 Dup	0.038	58.1	306	2	0.29	483	12.1	4.4	4	3.7	125	< 0.1	8.3	0.163	0.32	2.7	18	> 200	13.1	142	166		

Analyte Symbol	P	Rb	Pb	S	Mg	Mn	Mo	Sb	Sc	Sn	Sr	Ta	Th	Ti	Tl	U	V	W	Y	Zn	Zr	As	Cu
Unit Symbol	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
Lower Limit	0.001	0.1	0.1	1	0.01	1	0.1	0.1	1	0.1	1	0.1	0.1	0.001	0.05	0.1	4	0.1	0.1	1	0.1	0.01	0.005
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	FUS-Na2O2	FUS-Na2O2
409561 Orig	0.085	3.2	1.5	5	2.70	1560	2.2	0.3	23	0.9	12	0.2	0.8	0.626	< 0.05	1.2	161	6.2	25.6	72	60.3		
409561 Dup	0.086	3.2	1.7	5	2.74	1600	1.8	0.2	24	0.7	13	0.2	0.8	0.633	< 0.05	0.6	160	6.5	26.3	76	61.1		
409586 Orig	0.094	16.7	2.2	< 1	2.11	1220	0.2	< 0.1	26	0.2	289	< 0.1	1.7	0.246	0.05	1.0	102	< 0.1	21.4	134	35.0		
409586 Dup	0.092	17.3	2.2	< 1	2.10	1220	0.1	< 0.1	25	0.2	285	< 0.1	1.7	0.169	0.05	1.0	73	< 0.1	21.6	136	21.9		
Method Blank	< 0.001	0.2	0.2	< 1	< 0.01	4	< 0.1	0.2	< 1	0.3	< 1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.1	< 4	< 0.1	< 0.1	< 1	0.2		
Method Blank	< 0.001	< 0.1	0.2	< 1	< 0.01	9	0.2	< 0.1	< 1	0.3	< 1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.1	< 4	< 0.1	< 0.1	< 1	0.2		
Method Blank	< 0.001	< 0.1	0.2	< 1	< 0.01	10	< 0.1	< 0.1	< 1	0.3	< 1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.1	< 4	0.2	< 0.1	< 1	0.1		
Method Blank	< 0.001	< 0.1	0.2	< 1	< 0.01	4	< 0.1	0.2	< 1	0.4	< 1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.1	< 4	< 0.1	< 0.1	< 1	0.2		
Method Blank	< 0.001	< 0.1	0.1	< 1	< 0.01	8	0.1	0.1	< 1	0.4	< 1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.1	< 4	0.1	< 0.1	< 1	0.2		
Method Blank	< 0.001	0.1	0.3	< 1	< 0.01	14	< 0.1	< 0.1	< 1	0.5	< 1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.1	< 4	< 0.1	< 0.1	< 1	0.4		
Method Blank	< 0.001	< 0.1	0.2	< 1	< 0.01	14	< 0.1	< 0.1	< 1	0.2	< 1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.1	< 4	< 0.1	< 0.1	< 1	0.1		
Method Blank	< 0.001	0.1	0.2	< 1	< 0.01	13	< 0.1	< 0.1	< 1	0.1	< 1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.1	< 4	< 0.1	< 0.1	< 1	< 0.1		
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																						< 0.01	< 0.005

Analyte Symbol	Zn
Unit Symbol	%
Lower Limit	0.01
Method Code	FUS-Na2O2
GXR-1 Meas	
GXR-1 Cert	
GXR-1 Meas	
GXR-1 Cert	
GXR-1 Meas	
GXR-1 Cert	
GXR-1 Meas	
GXR-1 Cert	
DH-1a Meas	
DH-1a Cert	
DH-1a Meas	
DH-1a Cert	
DH-1a Meas	
DH-1a Cert	
DH-1a Meas	
DH-1a Cert	
DH-1a Meas	
DH-1a Cert	
GXR-4 Meas	
GXR-4 Cert	
GXR-4 Meas	
GXR-4 Cert	
GXR-4 Meas	
GXR-4 Cert	
GXR-4 Meas	
GXR-4 Cert	
SDC-1 Meas	
SDC-1 Cert	
SDC-1 Meas	
SDC-1 Cert	
SDC-1 Meas	
SDC-1 Cert	
SDC-1 Meas	
SDC-1 Cert	
SDC-1 Meas	
SDC-1 Cert	
GXR-6 Meas	
GXR-6 Cert	
GXR-6 Meas	
GXR-6 Cert	
GXR-6 Meas	

Analyte Symbol	Zn
Unit Symbol	%
Lower Limit	0.01
Method Code	FUS-Na2O2
GXR-6 Cert	
GXR-6 Meas	
GXR-6 Cert	
GXR-6 Meas	
GXR-6 Cert	
OREAS 134b (Fusion) Meas	17.5
OREAS 134b (Fusion) Cert	18.12
MP-1b Meas	16.4
MP-1b Cert	16.7
DNC-1a Meas	
DNC-1a Cert	
DNC-1a Meas	
DNC-1a Cert	
DNC-1a Meas	
DNC-1a Cert	
DNC-1a Meas	
DNC-1a Cert	
CPB-2 Meas	6.06
CPB-2 Cert	6.04
CZN-4 Meas	55.4
CZN-4 Cert	55.07
SBC-1 Meas	
SBC-1 Cert	
SBC-1 Meas	
SBC-1 Cert	
SBC-1 Meas	
SBC-1 Cert	
SBC-1 Meas	
SBC-1 Cert	
SBC-1 Meas	
SBC-1 Cert	
OREAS 45d (4-Acid) Meas	
OREAS 45d (4-Acid) Cert	
OREAS 45d (4-Acid) Meas	
OREAS 45d (4-Acid) Cert	
OREAS 45d (4-Acid) Meas	

Analyte Symbol	Zn
Unit Symbol	%
Lower Limit	0.01
Method Code	FUS-Na2O2
OREAS 45d (4-Acid) Cert	
OREAS 45d (4-Acid) Meas	
OREAS 45d (4-Acid) Cert	
OREAS 45d (4-Acid) Meas	
OREAS 45d (4-Acid) Cert	
SdAR-M2 (U.S.G.S.) Meas	
SdAR-M2 (U.S.G.S.) Cert	
SdAR-M2 (U.S.G.S.) Meas	
SdAR-M2 (U.S.G.S.) Cert	
SdAR-M2 (U.S.G.S.) Meas	
SdAR-M2 (U.S.G.S.) Cert	
SdAR-M2 (U.S.G.S.) Meas	
SdAR-M2 (U.S.G.S.) Cert	
CCU-1e Meas	3.10
CCU-1e Cert	3.02
402251 Orig	
402251 Dup	
402402 Orig	
402402 Dup	
402404 Orig	
402404 Dup	
402486 Orig	
402486 Dup	
402491 Orig	
402491 Dup	
409522 Orig	
409522 Dup	
409532 Orig	
409532 Dup	
409534 Orig	
409534 Dup	

Analyte Symbol	Zn
Unit Symbol	%
Lower Limit	0.01
Method Code	FUS-Na2O2
409561 Orig	
409561 Dup	
409586 Orig	
409586 Dup	
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	
Method Blank	< 0.01

Quality Analysis ... *Innovative Technologies*

Date Submitted: 21-Aug-17
Invoice No.: A17-08917
Invoice Date: 11-Oct-17
Your Reference: SG17-1196 39047 TRUE NORTH NICKEL

Techni-Lab Abitibi Inc.(Actlabs)
184 Rue Principale
Ste-Germaine-Boule Quebec J0Z 1M0
Canada

ATTN: Andre Caouette

CERTIFICATE OF ANALYSIS

62 Pulp samples were submitted for analysis.

The following analytical package(s) were requested: Code UT-4M Total Digestion ICP/MS

REPORT **A17-08917**

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:

Any values for Au are for informational purposes and should be checked by fire assay code 1A2

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
41 Bittern Street, Ancaster, Ontario, Canada, L9G 4V5
TELEPHONE +905 648-9611 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Ancaster@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Te	Al	Ag	As	Au	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Cs	Fe	Hf	K	La	Li	Na	Nb	Ni
Unit Symbol	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm
Lower Limit	0.1	0.01	0.1	1	100	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.1	0.01	0.1	0.01	0.1	0.1	0.001	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
410901	< 0.1	8.55	< 0.1	9	< 100	593	2	0.7	1.66	0.3	60	6.8	110	74.3	0.7	2.97	5.4	2.74	27.7	14.5	3.19	8.6	8.5
410902	0.7	8.83	0.2	10	300	698	2	3.9	1.73	0.7	71	6.7	101	68.1	0.7	3.01	5.4	2.66	34.6	14.0	3.34	12.2	8.3
410903	< 0.1	6.81	< 0.1	4	< 100	592	2	0.6	1.53	0.3	51	5.2	120	60.2	0.6	2.35	4.6	2.61	24.3	10.0	2.99	9.9	5.7
410904	0.1	8.89	0.2	159	400	728	2	1.2	1.46	1.4	62	5.2	125	81.3	0.9	2.31	5.4	3.03	31.0	13.1	2.77	10.7	5.7
410905	< 0.1	8.29	< 0.1	76	< 100	709	2	0.8	1.69	0.3	65	4.7	103	82.6	0.7	2.28	4.9	2.58	33.2	10.6	2.98	10.2	5.4
410906	< 0.1	4.83	< 0.1	86	< 100	636	2	0.6	1.35	0.3	26	5.2	158	85.2	0.5	2.33	4.9	2.13	9.1	12.9	3.31	11.1	5.4
410907	0.1	6.45	< 0.1	30	< 100	584	2	0.8	1.81	0.4	51	5.0	136	74.6	0.6	2.32	4.9	1.83	23.3	12.5	3.23	10.5	5.2
410908	0.1	7.74	0.2	366	200	673	2	1.0	1.90	0.4	62	5.1	119	66.2	0.6	2.32	5.0	2.10	31.1	11.8	2.95	10.4	5.4
410909	< 0.1	7.57	< 0.1	46	< 100	658	2	0.7	1.57	0.3	50	4.8	133	76.0	0.6	2.32	4.8	2.11	24.5	10.1	3.11	9.7	5.3
410910	< 0.1	6.16	< 0.1	< 1	< 100	339	1	< 0.1	1.71	< 0.1	17	6.1	196	8.7	0.7	1.58	1.3	1.24	7.6	8.1	3.05	1.3	21.6
410911	0.1	7.24	< 0.1	119	< 100	579	2	1.2	1.52	1.3	58	4.8	123	79.3	0.7	2.26	4.8	2.17	29.2	10.2	2.91	9.5	5.3
410912	< 0.1	7.96	< 0.1	123	100	620	2	0.6	1.63	0.4	60	4.4	115	76.9	0.6	2.14	4.9	2.23	30.0	8.0	3.13	9.3	5.2
410913	< 0.1	6.96	< 0.1	87	< 100	560	1	0.7	1.42	0.2	56	3.9	138	62.6	0.6	1.98	4.4	2.00	28.8	8.2	2.67	8.6	4.7
410914	0.1	6.34	< 0.1	43	< 100	431	2	0.8	1.50	0.5	55	7.3	132	98.8	0.5	2.14	4.6	1.99	27.1	6.3	3.22	8.6	6.4
410915	0.2	7.43	< 0.1	55	< 100	564	2	0.8	1.51	0.5	52	4.8	124	68.3	0.6	2.11	4.8	2.22	25.9	6.6	3.24	9.9	5.4
410916	0.1	7.34	< 0.1	20	100	630	2	0.7	1.48	0.5	53	4.4	106	60.8	0.5	2.14	4.8	2.02	26.6	9.3	3.13	9.3	4.9
410917	0.1	6.57	< 0.1	10	< 100	543	2	0.6	1.66	0.6	56	4.9	142	61.9	0.4	2.15	4.8	1.84	28.2	10.7	3.05	9.8	5.2
410918	0.4	7.12	0.5	26	300	570	2	1.7	1.90	1.0	52	4.7	132	56.2	0.5	2.31	4.7	2.09	25.6	9.2	2.78	8.3	5.3
410919	0.1	7.38	< 0.1	14	< 100	554	2	0.5	1.60	0.4	56	4.6	124	49.6	0.5	2.21	4.9	2.23	27.6	8.5	3.11	9.8	5.2
410920	0.3	5.94	1.2	3	1200	72	< 1	6.7	3.48	< 0.1	19	18.6	43	4420	123	23.9	1.3	2.33	9.6	104	0.656	14.8	15.3
410921	0.1	6.04	< 0.1	7	< 100	604	2	0.6	1.56	0.3	54	4.8	128	56.7	0.6	2.18	4.8	2.42	26.2	9.2	3.25	10.6	5.4
410922	0.1	6.55	< 0.1	7	< 100	626	2	0.9	1.49	0.3	51	5.2	121	67.9	0.6	2.18	4.9	2.16	24.6	10.1	3.09	10.2	4.9
410923	0.2	9.09	< 0.1	< 1	< 100	805	3	0.9	1.95	0.6	63	5.7	147	79.3	0.7	2.71	6.3	2.48	29.9	16.2	4.19	13.1	6.5
410924	< 0.1	4.97	< 0.1	7	< 100	597	2	0.7	1.55	0.9	29	4.5	156	63.5	0.5	2.08	4.6	1.76	11.2	11.2	3.04	9.9	4.9
410925	0.3	7.23	0.3	6	< 100	591	2	2.3	1.75	1.3	52	5.2	134	78.1	0.5	2.35	4.8	1.83	24.1	12.3	3.08	5.8	5.0
410926	0.2	7.79	< 0.1	3	< 100	684	2	1.3	1.70	0.5	57	5.0	138	78.5	0.6	2.29	4.9	1.86	26.6	12.1	3.48	10.5	5.6
410927	0.1	6.95	< 0.1	3	< 100	646	2	1.3	1.79	0.1	55	4.8	121	59.9	0.5	2.14	4.7	2.03	26.8	12.4	3.13	9.7	5.1
410928	0.2	7.01	< 0.1	13	200	662	2	1.1	1.60	1.1	57	5.3	124	58.8	0.6	2.18	4.8	2.11	28.4	10.0	2.79	9.4	5.4
410929	0.1	6.88	< 0.1	6	< 100	605	2	1.2	1.57	0.4	46	4.7	112	60.9	0.6	2.12	4.6	2.21	22.5	9.8	2.92	9.5	5.1
410930	0.2	6.23	< 0.1	4	< 100	568	2	1.5	1.52	0.3	45	4.9	118	55.9	0.6	2.06	4.6	2.25	21.7	9.9	2.87	9.5	4.9
410931	0.2	6.86	< 0.1	12	< 100	533	2	0.9	1.81	0.6	47	4.8	117	66.6	0.6	2.17	4.7	2.25	22.2	11.1	3.04	9.7	5.1
410932	0.2	7.94	0.1	139	< 100	689	2	1.9	1.91	0.8	53	5.3	123	59.9	0.9	2.24	5.0	2.52	25.8	12.9	2.98	7.7	5.3
410933	0.1	7.07	< 0.1	23	< 100	587	2	0.6	1.63	1.0	47	5.3	109	66.9	0.7	2.20	4.8	2.24	22.2	9.7	2.98	9.7	5.0
410934	0.3	5.12	0.2	24	600	550	2	1.7	1.76	0.9	31	5.2	152	72.5	0.5	2.07	4.6	2.23	11.8	9.8	2.93	10.2	4.8
410935	< 0.1	6.49	< 0.1	32	< 100	537	2	0.7	1.76	0.4	50	5.2	138	57.1	0.6	2.27	4.9	1.87	23.0	11.7	3.11	10.7	5.1
410936	< 0.1	6.92	< 0.1	7	< 100	563	2	0.4	1.68	0.3	55	5.1	122	57.4	0.6	2.07	5.1	2.47	26.8	9.7	3.23	10.3	5.4
410937	< 0.1	8.28	< 0.1	15	< 100	686	2	0.4	2.19	0.5	67	4.9	118	54.8	0.7	2.29	5.3	2.51	33.4	13.7	3.20	11.0	5.8
410938	0.3	8.01	< 0.1	140	< 100	632	2	0.3	1.85	0.5	54	4.9	104	62.2	0.6	2.30	4.8	1.94	25.6	11.7	3.46	10.3	5.4
410939	0.2	8.60	< 0.1	43	100	478	2	1.2	3.94	0.5	42	17.6	54	72.6	0.9	4.84	4.1	2.57	17.4	30.4	2.28	11.2	13.2
410940	< 0.1	6.75	< 0.1	< 1	< 100	367	1	< 0.1	1.89	< 0.1	16	6.5	240	11.1	0.7	1.65	1.3	1.40	7.5	8.8	3.35	1.3	22.7
410941	0.3	7.63	0.2	17	300	299	2	1.2	1.94	0.5	55	6.0	101	71.0	0.6	2.49	4.6	1.85	27.0	13.2	2.95	10.2	5.3
410942	0.2	6.11	< 0.1	8	< 100	558	2	0.6	1.65	0.5	41	5.0	110	68.9	0.5	2.20	4.8	1.63	19.8	11.0	3.35	9.9	5.3

Analyte Symbol	Te	Al	Ag	As	Au	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Cs	Fe	Hf	K	La	Li	Na	Nb	Ni
Unit Symbol	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm
Lower Limit	0.1	0.01	0.1	1	100	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.1	0.01	0.1	0.01	0.1	0.1	0.001	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
410943	0.1	7.07	0.2	260	< 100	646	2	1.1	1.76	0.5	49	4.8	104	64.4	0.6	2.20	4.8	1.99	24.7	10.4	3.24	10.4	5.2
410944	0.2	7.71	0.1	10	< 100	581	2	1.0	1.76	0.6	51	4.6	102	73.6	0.6	2.15	4.7	1.84	24.7	9.6	3.34	9.7	5.4
410945	0.4	5.63	0.3	104	200	593	2	2.5	1.41	0.9	36	4.9	147	81.8	0.5	2.19	4.9	1.87	13.7	8.6	3.60	10.8	5.2
410946	0.2	6.83	0.2	179	< 100	586	2	1.7	1.67	0.5	56	5.2	133	82.9	0.6	2.28	4.9	1.79	26.6	7.1	3.51	10.3	5.5
410947	0.3	7.58	2.1	17	< 100	624	2	5.3	1.53	2.3	58	4.5	127	63.7	0.6	2.23	5.0	2.07	28.0	8.4	3.12	2.3	5.4
410948	3.2	8.45	0.5	33	100	605	2	1.1	1.77	1.1	57	5.1	137	72.5	0.6	2.40	5.3	2.06	27.6	7.1	3.41	10.7	5.6
410949	0.4	7.95	0.2	30	< 100	568	2	1.9	2.14	0.9	55	5.4	101	78.6	0.7	2.21	4.9	2.26	27.3	7.5	3.00	9.8	5.2
410950	2.4	6.62	4.6	18	> 2000	343	< 1	< 0.1	4.40	0.4	24	12.0	38	79.8	5.6	3.25	1.9	2.51	11.3	43.9	1.05	2.4	12.7
410951	0.1	8.42	0.2	22	< 100	729	2	1.3	2.02	0.6	66	5.6	120	77.8	1.3	2.23	4.9	2.82	34.0	7.8	1.90	10.9	5.3
410952	0.2	7.53	0.4	171	< 100	377	2	2.2	1.55	1.5	49	5.5	107	69.1	0.9	2.18	4.5	2.25	24.5	7.5	2.48	9.4	5.3
410953	0.1	7.62	< 0.1	53	< 100	666	2	1.1	2.07	0.6	54	4.9	122	72.4	0.7	2.21	4.6	2.11	27.1	8.0	2.76	9.3	5.1
410954	< 0.1	7.05	< 0.1	13	< 100	631	2	1.0	1.65	0.5	57	5.2	123	95.9	0.7	2.17	4.9	1.94	27.4	7.3	3.28	9.9	5.1
410955	< 0.1	7.83	< 0.1	5	< 100	656	2	0.8	1.77	1.0	61	4.9	115	73.1	0.6	2.29	5.0	1.97	29.6	7.6	3.73	10.4	5.2
410956	0.2	7.69	0.7	6	< 100	729	2	2.6	1.85	0.7	60	4.8	137	66.3	0.6	2.16	4.7	2.02	29.9	8.4	3.09	9.7	4.9
410957	0.1	7.93	< 0.1	10	< 100	702	2	0.8	1.86	0.3	58	5.0	110	73.7	0.7	2.36	5.0	2.28	29.2	9.2	3.34	9.8	5.5
410958	< 0.1	6.68	< 0.1	4	< 100	641	2	0.7	1.75	0.5	52	4.9	281	67.0	0.6	2.35	4.8	2.17	25.6	9.2	3.35	8.2	7.3
410959	< 0.1	6.54	< 0.1	16	< 100	603	2	0.4	1.94	0.7	50	4.7	130	62.5	0.7	2.04	4.5	2.17	24.1	8.9	2.98	9.8	4.9
410960	< 0.1	7.32	< 0.1	< 1	< 100	360	< 1	< 0.1	1.76	< 0.1	17	6.3	187	8.9	0.7	1.52	0.9	1.39	7.7	8.6	3.17	0.2	22.1
410961	3.4	6.38	5.1	54	500	226	1	26.8	12.8	4.3	57	12.0	61	91.7	0.8	2.72	3.9	2.09	30.3	7.6	1.62	8.2	3.6
410962	0.1	5.09	< 0.1	26	< 100	599	2	0.9	1.74	0.4	37	5.2	141	66.9	0.7	2.11	4.8	2.00	13.2	7.4	2.73	10.5	5.3

Analyte Symbol	P	Rb	Pb	S	Mg	Mn	Mo	Sb	Sc	Sn	Sr	Ta	Th	Ti	Tl	U	V	W	Y	Zn	Zr
Unit Symbol	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.1	0.1	1	0.01	1	0.1	0.1	1	0.1	1	0.1	0.1	0.001	0.05	0.1	4	0.1	0.1	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
410901	0.062	73.8	14.7	< 1	0.50	574	9.3	3.3	8	4.7	133	0.3	9.6	0.281	0.39	2.6	37	17.0	14.3	108	216
410902	0.060	78.3	35.0	< 1	0.45	568	7.6	4.9	8	4.8	183	0.8	11.6	0.276	0.38	3.4	35	101	16.6	112	219
410903	0.042	62.8	13.7	< 1	0.28	435	10.3	3.0	5	4.3	134	0.7	9.2	0.208	0.35	2.4	24	13.5	12.4	64	185
410904	0.047	86.7	29.9	< 1	0.27	453	8.6	7.8	6	4.5	148	0.7	13.1	0.217	0.46	3.8	23	29.9	14.2	118	209
410905	0.044	75.1	15.8	< 1	0.30	408	11.0	5.5	5	4.7	182	0.8	12.7	0.207	0.39	3.6	22	5.1	13.6	67	192
410906	0.042	43.2	21.3	< 1	0.24	420	9.7	3.5	3	5.1	87	0.9	3.8	0.210	0.34	1.5	22	4.8	7.0	79	194
410907	0.041	53.9	17.8	< 1	0.27	450	22.6	6.0	5	4.2	147	0.8	9.3	0.209	0.31	2.8	21	25.3	12.2	74	199
410908	0.044	64.5	11.7	< 1	0.29	503	11.0	6.7	5	4.0	170	0.9	12.4	0.215	0.31	3.8	22	14.5	13.7	66	197
410909	0.043	59.0	10.4	< 1	0.28	417	13.9	5.7	5	3.9	161	0.6	9.3	0.204	0.30	2.8	21	6.8	10.9	76	193
410910	0.021	40.1	7.2	< 1	0.53	290	12.6	< 0.1	5	0.5	288	< 0.1	1.4	0.160	0.24	8.7	36	< 0.1	5.3	18	53.2
410911	0.041	68.4	8.9	< 1	0.30	435	23.6	7.4	4	3.6	122	0.6	10.8	0.198	0.36	2.8	20	11.1	11.0	117	197
410912	0.042	69.7	9.3	< 1	0.27	391	12.6	5.3	5	3.8	165	0.7	11.8	0.172	0.34	3.5	19	9.8	12.2	83	187
410913	0.039	63.7	6.7	< 1	0.25	377	17.5	6.3	4	3.4	119	0.5	10.8	0.168	0.32	3.1	18	10.9	10.9	46	172
410914	0.037	59.0	10.6	1	0.21	336	24.6	3.7	4	3.1	110	0.4	9.8	0.176	0.32	2.6	17	11.4	11.2	68	185
410915	0.040	66.9	12.1	< 1	0.27	378	23.8	4.7	4	3.5	138	0.8	10.1	0.187	0.34	3.1	20	11.7	11.3	79	190
410916	0.040	58.0	15.2	< 1	0.27	361	35.9	6.1	5	3.5	156	0.7	11.0	0.180	0.30	3.4	18	8.1	12.6	76	189
410917	0.039	52.1	18.1	< 1	0.26	381	21.0	2.9	4	4.2	136	0.7	10.2	0.193	0.27	2.6	19	12.6	10.6	73	190
410918	0.040	62.2	20.2	< 1	0.30	430	37.0	6.6	5	3.6	140	0.4	10.1	0.189	0.31	3.0	20	15.8	11.2	139	189
410919	0.040	65.3	10.2	< 1	0.28	370	21.9	2.0	5	3.1	153	0.8	11.1	0.197	0.32	8.3	21	16.4	12.7	76	194
410920	0.456	815	7.8	< 1	0.65	3440	286	0.4	6	117	105	< 0.1	5.5	0.131	5.42	8.4	55	> 200	7.9	326	53.2
410921	0.040	60.1	16.4	< 1	0.26	397	29.8	2.2	4	3.5	136	0.8	9.6	0.193	0.34	2.6	20	32.7	11.1	77	193
410922	0.041	53.9	14.0	< 1	0.26	380	37.5	1.6	4	3.7	132	0.8	8.7	0.187	0.29	2.3	21	9.5	10.3	69	185
410923	0.053	65.0	28.9	< 1	0.35	516	38.9	1.5	6	4.5	199	1.1	11.4	0.247	0.32	3.3	26	9.5	13.6	114	248
410924	0.039	40.6	14.4	< 1	0.23	428	23.0	1.6	3	3.3	114	0.8	5.0	0.195	0.25	1.8	20	10.6	7.2	103	186
410925	0.041	54.2	38.3	< 1	0.28	414	32.6	1.0	4	4.2	143	< 0.1	9.3	0.187	0.26	3.2	21	118	11.2	122	195
410926	0.045	56.4	16.2	< 1	0.30	392	30.5	1.5	5	4.0	173	0.8	10.1	0.211	0.28	3.1	23	18.8	12.1	92	197
410927	0.040	51.8	14.1	< 1	0.28	407	41.1	1.0	4	4.3	179	0.7	9.7	0.188	0.24	2.7	21	9.9	11.1	58	194
410928	0.041	63.9	20.0	< 1	0.27	373	35.3	2.1	4	3.9	162	0.8	10.4	0.184	0.30	3.1	20	6.9	12.9	110	192
410929	0.039	64.2	14.2	< 1	0.27	400	25.5	2.1	4	3.5	147	0.7	8.8	0.188	0.33	2.6	20	20.5	10.3	66	181
410930	0.039	59.9	12.4	< 1	0.28	405	25.6	1.6	4	3.5	132	0.8	8.4	0.187	0.31	2.3	21	23.4	10.1	67	179
410931	0.041	62.7	11.0	< 1	0.26	446	48.6	1.6	4	4.0	131	0.8	8.7	0.183	0.33	2.4	21	20.4	9.7	93	185
410932	0.043	76.1	22.5	< 1	0.34	481	35.6	2.5	5	4.8	153	0.4	10.4	0.188	0.38	3.3	23	> 200	12.0	92	200
410933	0.041	66.2	42.2	< 1	0.27	454	34.8	2.8	5	4.2	136	0.7	8.5	0.188	0.37	2.4	21	18.8	9.8	160	193
410934	0.039	56.5	29.5	< 1	0.24	502	27.9	3.1	3	4.2	107	0.8	5.1	0.188	0.36	2.1	20	29.0	7.7	122	188
410935	0.041	55.2	14.9	< 1	0.27	464	44.6	2.9	5	4.6	122	0.8	8.7	0.203	0.35	2.4	22	41.2	10.5	82	195
410936	0.045	70.6	11.0	< 1	0.27	433	47.8	1.7	4	4.5	130	0.6	9.0	0.205	0.36	2.4	21	56.1	11.5	70	203
410937	0.049	76.1	13.0	< 1	0.31	490	23.2	3.2	6	5.5	187	0.6	12.8	0.224	0.35	3.7	24	29.7	14.4	89	216
410938	0.043	61.0	13.4	< 1	0.30	397	35.4	2.6	5	4.2	186	0.8	10.3	0.213	0.28	3.3	22	83.2	12.1	87	184
410939	0.120	88.6	16.4	< 1	1.29	1180	4.7	5.7	10	5.7	264	0.3	2.9	0.545	0.41	2.2	102	10.2	14.6	134	188
410940	0.022	42.8	7.4	< 1	0.55	299	13.2	0.1	6	0.6	310	< 0.1	1.2	0.151	0.25	0.3	32	0.3	5.2	19	54.1
410941	0.047	57.2	23.4	< 1	0.36	437	32.2	4.0	5	3.9	199	0.8	10.1	0.222	0.24	3.2	27	143	11.8	87	190
410942	0.041	43.9	17.4	< 1	0.27	352	22.8	2.0	4	3.6	155	0.7	6.8	0.189	0.25	1.9	22	5.0	8.9	76	191

Analyte Symbol	P	Rb	Pb	S	Mg	Mn	Mo	Sb	Sc	Sn	Sr	Ta	Th	Ti	Tl	U	V	W	Y	Zn	Zr
Unit Symbol	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.1	0.1	1	0.01	1	0.1	0.1	1	0.1	1	0.1	0.1	0.001	0.05	0.1	4	0.1	0.1	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
410943	0.043	53.7	40.3	< 1	0.29	416	41.5	2.4	4	4.0	152	0.8	9.2	0.185	0.24	2.4	22	10.4	10.1	71	188
410944	0.040	52.8	21.4	< 1	0.29	384	22.7	1.7	5	3.7	191	0.8	9.9	0.189	0.24	3.3	21	10.4	11.0	79	189
410945	0.042	42.5	37.9	< 1	0.24	385	57.1	2.0	3	4.3	114	0.9	5.5	0.208	0.26	2.1	21	10.7	7.1	111	189
410946	0.041	49.9	21.7	< 1	0.29	408	40.4	2.2	5	4.2	153	0.8	9.3	0.203	0.28	2.5	21	21.2	11.0	80	194
410947	0.044	58.1	122	< 1	0.27	381	13.0	1.6	5	4.4	137	< 0.1	10.5	0.213	0.26	3.3	22	109	12.3	198	194
410948	0.045	62.0	611	< 1	0.32	497	16.4	3.4	5	4.8	169	0.7	11.2	0.214	2.03	3.7	23	55.9	13.3	143	214
410949	0.042	70.1	13.9	< 1	0.31	470	13.0	2.8	5	4.4	130	0.7	10.0	0.201	0.34	3.0	22	30.0	11.8	186	197
410950	0.073	91.2	21.5	1	1.04	755	7.7	2.2	13	1.0	264	0.1	2.9	0.316	0.96	0.8	113	3.7	9.5	91	76.8
410951	0.047	81.2	19.9	< 1	0.34	501	18.7	5.6	5	4.3	134	0.8	12.4	0.207	0.46	3.7	22	17.7	13.4	79	202
410952	0.042	66.2	47.5	< 1	0.28	396	13.6	5.2	4	3.6	133	0.7	9.5	0.187	0.34	2.9	20	12.1	11.1	154	183
410953	0.041	62.0	16.7	< 1	0.29	462	18.8	3.6	4	4.0	174	0.7	10.1	0.182	0.30	3.3	20	7.5	11.4	84	186
410954	0.042	53.1	14.6	< 1	0.28	419	16.0	2.3	4	4.5	159	0.7	9.7	0.203	0.30	2.6	21	7.2	11.6	76	198
410955	0.044	54.8	14.7	< 1	0.29	425	12.7	1.7	4	4.1	183	0.8	11.2	0.204	0.30	3.1	22	4.4	13.1	130	206
410956	0.042	57.9	35.5	< 1	0.29	415	15.8	1.6	4	3.8	177	0.7	11.1	0.205	0.26	3.1	20	5.5	12.3	84	194
410957	0.046	64.9	12.9	< 1	0.30	432	22.5	1.7	5	3.9	181	0.6	11.2	0.227	0.31	3.2	29	4.2	13.2	68	205
410958	0.040	54.9	26.6	< 1	0.27	430	12.7	2.1	4	4.5	168	0.3	9.7	0.200	0.27	2.7	18	> 200	11.9	95	195
410959	0.040	61.1	17.8	< 1	0.27	449	17.9	2.2	4	3.6	127	0.8	9.2	0.187	0.30	2.2	20	9.7	10.7	86	182
410960	0.020	42.3	6.8	< 1	0.51	278	2.7	< 0.1	5	0.4	318	< 0.1	1.2	0.097	0.23	0.3	20	0.1	5.2	20	39.1
410961	0.032	73.2	258	1	0.28	1550	10.5	3.9	4	4.1	410	0.6	9.1	0.146	0.35	2.9	21	35.3	15.5	371	153
410962	0.041	50.4	10.9	< 1	0.24	497	16.9	2.7	3	4.2	99	0.8	5.4	0.194	0.35	2.0	22	11.3	7.8	64	196

Analyte Symbol	Te	Al	Ag	As	Au	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Cs	Fe	Hf	K	La	Li	Na	Nb	Ni
Unit Symbol	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm
Lower Limit	0.1	0.01	0.1	1	100	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.1	0.01	0.1	0.01	0.1	0.1	0.001	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
DH-1a Meas																							
DH-1a Cert																							
GXR-4 Meas	0.9	6.99	3.3	101	400	102	2	18.9	0.98	0.3	104	14.4	60	6100	2.3	3.04	1.2	2.23	55.6	11.3	0.540	9.9	39.0
GXR-4 Cert	0.970	7.20	4.0	98.0	500	1640	1.90	19.0	1.01	0.860	102	14.6	64.0	6520	2.80	3.09	6.30	4.01	64.5	11.1	0.564	10.0	42.0
SDC-1 Meas		8.75		< 1		584	3		0.99		83	17.7	43	28.4	3.4	4.56	0.6	2.42	38.2	35.8	1.57	0.1	31.6
SDC-1 Cert		8.34		0.220		630	3.00		1.00		93.00	18.0	64.00	30.000	4.00	4.82	8.30	2.72	42.00	34.0	1.52	21.00	38.0
GXR-6 Meas	< 0.1	12.3	0.2	198	< 100	1210	1	0.2	0.17	0.1	32	13.8	51	67.4	3.7	5.47	1.4	1.79	11.5	38.5	0.112	< 0.1	24.5
GXR-6 Cert	0.0180	17.7	1.30	330	95.0	1300	1.40	0.290	0.180	1.00	36.0	13.8	96.0	66.0	4.20	5.58	4.30	1.87	13.9	32.0	0.104	7.50	27.0
DNC-1a Meas						98						57.3	199	95.0					3.6	4.8		1.4	255
DNC-1a Cert						118						57	270	100					3.6	5.2		3	247
OREAS 45d (4-Acid) Meas		8.39		5		173	< 1	0.3	0.18		36	29.8	538	368	3.4	14.3	0.9	0.40	16.6	21.2	0.105	0.1	229
OREAS 45d (4-Acid) Cert		8.150		13.8		183.0	0.79	0.31	0.185		37.20	29.50	549	371	3.910	14.5	3.830	0.412	16.9	21.5	0.101	14.50	231.0
SdAR-M2 (U.S.G.S.) Meas						942	7	1.1		5.1	98	13.9	47	245	1.6		0.6		45.3	20.3		3.4	50.1
SdAR-M2 (U.S.G.S.) Cert						990	6.6	1.05		5.1	98.8	12.4	49.6	236.00 00	1.82		7.29		46.6	17.9		26.2	48.8
410915 Orig	0.1	7.37	< 0.1	57	< 100	556	2	0.8	1.54	0.5	53	4.9	131	70.9	0.6	2.13	4.9	2.29	26.1	6.6	3.25	10.0	5.5
410915 Dup	0.2	7.49	< 0.1	52	< 100	571	2	0.8	1.49	0.4	52	4.7	117	65.7	0.5	2.09	4.7	2.15	25.7	6.6	3.24	9.9	5.2
410917 Orig	0.1	6.72	< 0.1	8	< 100	554	2	0.6	1.64	0.6	56	4.7	147	60.5	0.4	2.11	4.8	1.84	27.7	10.4	3.07	9.6	5.0
410917 Dup	0.1	6.41	< 0.1	11	< 100	531	2	0.6	1.67	0.6	57	5.0	136	63.3	0.4	2.19	4.8	1.84	28.7	11.0	3.03	10.0	5.4
410953 Orig	0.1	7.33	0.1	50	< 100	654	2	1.2	2.04	0.6	50	4.8	122	68.9	0.7	2.15	4.6	2.12	24.9	7.9	2.76	9.1	4.9
410953 Dup	0.1	7.92	< 0.1	56	< 100	678	2	1.1	2.11	0.6	57	5.0	123	75.9	0.7	2.27	4.7	2.10	29.3	8.2	2.75	9.4	5.2
410958 Orig	< 0.1	6.40	< 0.1	3	< 100	632	2	0.6	1.74	0.5	50	4.7	138	67.4	0.6	2.18	4.6	2.17	24.7	8.9	3.42	6.4	5.0
410958 Dup	0.1	6.97	< 0.1	4	< 100	649	2	0.7	1.76	0.5	54	5.1	424	66.6	0.6	2.51	5.1	2.18	26.5	9.5	3.28	10.1	9.7
Method Blank		< 0.01	< 0.1	< 1	< 100	< 1	< 1	< 0.1	< 0.01	< 0.1	< 1	< 0.2	4	0.4	< 0.1	< 0.01	< 0.1	< 0.01	< 0.1	< 0.1	0.003	< 0.1	0.5
Method Blank		< 0.01	< 0.1	< 1	< 100	< 1	< 1	< 0.1	< 0.01	< 0.1	< 1	< 0.2	4	0.4	< 0.1	< 0.01	< 0.1	< 0.01	< 0.1	< 0.1	0.002	< 0.1	0.2
Method Blank	< 0.1																						
Method Blank	< 0.1																						

Analyte Symbol	P	Rb	Pb	S	Mg	Mn	Mo	Sb	Sc	Sn	Sr	Ta	Th	Ti	Tl	U	V	W	Y	Zn	Zr
Unit Symbol	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.1	0.1	1	0.01	1	0.1	0.1	1	0.1	1	0.1	0.1	0.001	0.05	0.1	4	0.1	0.1	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
DH-1a Meas													901			2500					
DH-1a Cert													910			2629					
GXR-4 Meas	0.146	104	48.4	2	1.64	172	323	4.1	7	7.1	193	0.6	20.0	0.281	3.05	5.8	87	36.8	11.9	68	41.0
GXR-4 Cert	0.120	160	52.0	1.77	1.66	155	310	4.80	7.70	5.60	221	0.790	22.5	0.29	3.20	6.20	87.0	30.8	14.0	73.0	186
SDC-1 Meas	0.055	105	23.8		0.90	854		< 0.1	14	0.6	150	< 0.1	11.6	0.097	0.59	2.9	31	< 0.1		99	22.4
SDC-1 Cert	0.0690	127.00	25.00		1.02	880.00		0.54	17.00	3.00	180.00	1.20	12.00	0.606	0.70	3.10	102.00	0.80		103.00	290.00
GXR-6 Meas	0.035	69.2	99.4	< 1	0.57	1050	< 0.1	< 0.1	24	0.3	33	< 0.1	4.7		2.09	1.4	90	< 0.1	10.2	128	52.7
GXR-6 Cert	0.0350	90.0	101	0.0160	0.609	1010	2.40	3.60	27.6	1.70	35.0	0.485	5.30		2.20	1.54	186	1.90	14.0	118	110
DNC-1a Meas		3.3	6.3					0.6	30		132			0.287			144		14.7	63	40.1
DNC-1a Cert		5	6.3					0.96	31		144			0.29			148		18.0	70	38.0
OREAS 45d (4-Acid) Meas	0.036	38.8	21.4	< 1	0.18	493	0.2	< 0.1	49	0.6	30	< 0.1	14.5	0.143	0.24	2.8	75	< 0.1	10.4	43	33.7
OREAS 45d (4-Acid) Cert	0.042	42.1	21.8	0.049	0.245	490.000	2.500	0.82	49.30	2.78	31.30	1.02	14.5	0.773	0.27	2.63	235.0	1.62	9.53	45.7	141
SdAR-M2 (U.S.G.S.) Meas		111	799				12.4		4		133	0.1	14.7			2.7	26	0.4	23.3	841	39.9
SdAR-M2 (U.S.G.S.) Cert		149	808				13.3		4.1		144	1.8	14.2			2.53	25.2	2.8	32.7	760	259
410915 Orig	0.041	66.1	12.2	< 1	0.26	381	23.5	4.9	4	3.5	127	0.8	9.8	0.189	0.35	2.7	21	11.9	10.9	80	188
410915 Dup	0.039	67.6	12.0	< 1	0.27	374	24.1	4.5	4	3.5	150	0.7	10.5	0.185	0.33	3.4	19	11.5	11.7	79	192
410917 Orig	0.039	53.9	17.5	< 1	0.27	377	21.2	2.9	4	4.1	137	0.7	10.2	0.186	0.26	2.7	19	12.2	10.8	70	193
410917 Dup	0.038	50.3	18.7	< 1	0.26	385	20.8	2.9	4	4.3	135	0.7	10.2	0.201	0.28	2.5	20	12.9	10.4	77	187
410953 Orig	0.041	59.4	16.2	< 1	0.28	457	19.4	3.7	5	4.1	162	0.7	9.2	0.178	0.29	3.0	19	7.6	10.5	81	185
410953 Dup	0.042	64.6	17.2	< 1	0.29	467	18.1	3.5	4	4.0	186	0.7	11.0	0.186	0.30	3.6	21	7.4	12.2	87	187
410958 Orig	0.040	53.4	26.6	< 1	0.27	400	12.2	2.0	4	4.3	159	0.1	9.2	0.202	0.27	2.5	20	162	11.3	96	187
410958 Dup	0.040	56.4	26.6	< 1	0.27	461	13.3	2.2	4	4.6	176	0.4	10.3	0.198	0.27	2.9	15	> 200	12.5	94	203
Method Blank	0.001	0.1	0.2	< 1	< 0.01	11	< 0.1	< 0.1	< 1	0.1	< 1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.1	< 4	< 0.1	< 0.1	< 1	0.5
Method Blank	0.001	< 0.1	0.3	< 1	< 0.01	12	< 0.1	< 0.1	< 1	0.1	< 1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.1	< 4	< 0.1	< 0.1	< 1	0.3
Method Blank																					
Method Blank																					

Quality Analysis ... *Innovative Technologies*

Date Submitted: 23-Aug-17
Invoice No.: A17-09069
Invoice Date: 24-Oct-17
Your Reference: SG17-1220 39063 TRUE NORTH NICKEL

Techni-Lab Abitibi Inc.(Actlabs)
184 Rue Principale
Ste-Germaine-Boule Quebec J0Z 1M0
Canada

ATTN: Andre Caouette

CERTIFICATE OF ANALYSIS

86 Pulp samples were submitted for analysis.

The following analytical package(s) were requested: Code UT-4M Total Digestion ICP/MS

REPORT **A17-09069**

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:

Any values for Au are for informational purposes and should be checked by fire assay code 1A2

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
41 Bittern Street, Ancaster, Ontario, Canada, L9G 4V5
TELEPHONE +905 648-9611 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Ancaster@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Te	Cu	Pb	Zn	Al	Ag	As	Au	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Cs	Fe	Hf	K	La	Li
Unit Symbol	ppm	%	%	%	%	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm
Lower Limit	0.1	0.005	0.01	0.01	0.01	0.1	1	100	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.1	0.01	0.1	0.01	0.1	0.1
Method Code	TD-MS	FUS-Na2O2	FUS-Na2O2	FUS-Na2O2	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
409604	< 0.1				7.71	< 0.1	25	< 100	323	< 1	< 0.1	3.47	< 0.1	2	82.5	1590	118	1.4	6.59	0.7	2.18	0.8	28.9
409605	< 0.1				6.77	0.1	7	< 100	210	< 1	< 0.1	7.47	0.2	6	66.1	673	109	1.1	6.15	0.6	1.43	2.7	28.5
409606	< 0.1				7.91	< 0.1	< 1	< 100	109	< 1	< 0.1	3.06	< 0.1	15	28.6	37	136	0.9	6.26	1.0	0.95	6.5	26.8
409607	< 0.1				7.42	< 0.1	< 1	< 100	158	< 1	< 0.1	5.28	0.1	18	22.5	39	106	2.1	5.45	0.9	1.38	7.9	22.5
409608	< 0.1				7.50	< 0.1	3	< 100	153	< 1	0.1	3.62	0.1	16	38.5	81	182	1.1	7.09	1.7	1.21	6.8	33.2
409609	< 0.1				6.92	< 0.1	40	< 100	284	< 1	0.2	6.53	0.2	4	71.5	919	100	1.2	5.84	0.7	1.79	1.7	35.4
409610	< 0.1				6.12	< 0.1	14	< 100	455	2	0.1	2.70	0.2	61	2.9	94	19.8	0.8	1.19	5.4	1.56	28.0	3.5
409611	< 0.1				5.71	0.7	20	100	446	2	0.2	1.73	0.1	63	1.7	92	15.8	0.8	1.18	5.4	1.68	29.8	3.7
409612	< 0.1				6.86	< 0.1	56	< 100	381	< 1	< 0.1	7.65	0.1	6	67.1	685	106	1.2	5.66	0.9	2.07	2.3	28.2
409613	< 0.1				4.41	< 0.1	14	< 100	243	< 1	< 0.1	8.63	< 0.1	1	80.8	1600	89.1	0.5	5.75	0.6	1.02	0.5	32.4
409614	< 0.1				6.78	< 0.1	9	< 100	166	< 1	< 0.1	9.50	< 0.1	2	78.1	1530	105	0.6	5.88	0.6	0.76	1.0	31.8
409615	< 0.1				6.39	< 0.1	35	< 100	226	< 1	< 0.1	10.7	< 0.1	2	75.2	1350	104	0.6	6.17	0.5	0.81	0.8	32.7
409616	< 0.1				5.72	< 0.1	78	< 100	307	< 1	< 0.1	11.4	< 0.1	2	76.7	1060	84.4	0.8	6.29	0.5	0.93	0.7	31.6
409617	0.6				6.91	< 0.1	13	200	326	< 1	< 0.1	9.39	0.1	2	82.4	1320	102	0.9	7.27	0.6	0.95	0.9	38.1
409618	< 0.1				5.98	< 0.1	25	< 100	173	< 1	< 0.1	10.8	0.2	2	72.8	1020	102	0.6	6.48	0.5	0.57	0.8	34.3
409619	< 0.1				5.21	< 0.1	20	< 100	112	< 1	< 0.1	12.9	< 0.1	2	67.1	867	73.3	0.5	5.95	0.4	0.39	0.7	27.2
409620	0.4				4.37	0.7	269	400	95	< 1	6.3	3.94	< 0.1	88	384	41	5460	0.6	20.6	3.5	3.03	64.4	15.1
409621	< 0.1				5.34	< 0.1	34	< 100	212	< 1	< 0.1	13.4	< 0.1	2	67.5	975	95.5	0.5	6.10	0.5	0.47	0.7	29.9
409622	< 0.1				5.39	0.2	20	< 100	132	< 1	< 0.1	11.2	< 0.1	2	70.5	1030	60.7	0.3	6.61	0.4	0.29	0.7	36.1
409623	< 0.1				5.87	< 0.1	9	< 100	431	< 1	< 0.1	11.9	< 0.1	2	74.1	1010	82.0	0.9	6.27	0.5	1.02	0.8	28.4
409624	< 0.1				5.66	< 0.1	< 1	< 100	548	< 1	< 0.1	8.73	0.1	8	51.2	550	88.9	0.7	6.34	1.1	1.00	3.5	23.9
409625	< 0.1				5.18	< 0.1	2	< 100	774	2	0.4	0.87	0.5	37	1.5	114	17.3	0.4	1.20	5.1	2.33	16.2	2.5
409626	< 0.1				6.92	< 0.1	2	< 100	851	2	0.3	1.16	0.2	51	3.4	86	15.7	0.4	1.77	4.9	2.89	23.4	5.3
409627	< 0.1				7.59	0.2	49	< 100	708	2	0.6	1.84	0.4	65	5.6	76	80.5	1.0	2.42	5.1	2.44	35.1	6.6
409628	< 0.1				2.87	< 0.1	< 1	< 100	142	< 1	< 0.1	4.17	0.1	9	10.0	173	20.5	0.2	3.08	0.1	0.53	3.4	6.7
409629	< 0.1				2.08	< 0.1	2	< 100	76	< 1	< 0.1	1.47	< 0.1	7	11.3	236	39.8	0.2	2.12	0.4	0.29	2.8	4.4
409630	0.3				5.64	1.2	2	1200	80	< 1	6.8	3.69	< 0.1	19	18.9	38	4330	41.7	23.3	1.3	2.40	10.2	100
409631	< 0.1				0.54	< 0.1	1	< 100	19	< 1	< 0.1	0.82	< 0.1	2	4.7	243	17.7	0.1	0.83	0.1	0.08	0.7	1.5
409632	< 0.1				6.34	< 0.1	2	< 100	409	< 1	0.2	3.99	0.3	39	10.9	118	8.6	0.4	3.73	1.3	0.91	17.3	13.0
409633	< 0.1				7.39	< 0.1	25	< 100	482	1	0.2	6.74	< 0.1	27	28.3	227	14.1	1.4	5.87	1.0	2.30	11.1	23.7
409634	< 0.1				6.76	0.1	3	< 100	198	< 1	1.0	5.35	< 0.1	28	50.1	54	520	1.7	11.3	1.7	1.77	12.6	22.7
409635	< 0.1				8.67	< 0.1	< 1	< 100	283	< 1	0.4	6.21	< 0.1	30	29.1	81	104	0.6	8.80	1.1	1.44	13.8	16.9
409636	< 0.1				8.13	0.3	31	< 100	301	< 1	0.9	1.53	0.2	40	30.3	69	508	0.8	16.3	1.6	1.40	18.8	18.0
409637	< 0.1				8.38	< 0.1	1080	< 100	211	< 1	3.0	2.15	< 0.1	25	70.1	62	173	0.5	15.4	1.7	0.87	11.5	15.3
409638	< 0.1				8.37	0.1	76	< 100	319	< 1	0.6	4.99	< 0.1	27	24.7	40	83.5	2.4	9.52	0.7	2.39	12.2	20.1
409639	< 0.1				9.29	< 0.1	2	< 100	311	< 1	0.4	3.86	0.1	28	27.6	33	75.1	0.6	8.67	1.2	1.46	12.5	17.0
409640	< 0.1				6.44	< 0.1	< 1	< 100	402	1	< 0.1	1.89	< 0.1	18	6.4	177	13.5	0.8	1.69	1.6	1.35	8.9	8.6
409641	< 0.1				8.27	< 0.1	110	< 100	278	< 1	0.6	3.25	0.2	22	36.4	68	75.2	1.0	12.3	1.1	1.75	9.8	24.4
409642	< 0.1				5.26	< 0.1	9	< 100	459	< 1	0.4	4.12	0.7	23	14.5	36	39.1	1.6	6.80	2.6	1.44	8.3	18.2
409643	< 0.1				7.54	< 0.1	442	< 100	254	< 1	1.5	6.09	14.4	24	35.8	62	137	1.1	9.63	0.9	1.90	11.1	26.2
409644	< 0.1				7.26	< 0.1	3	< 100	404	1	0.4	1.69	< 0.1	37	6.3	96	39.0	0.9	2.89	3.6	1.56	19.6	9.4

Analyte Symbol	Te	Cu	Pb	Zn	Al	Ag	As	Au	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Cs	Fe	Hf	K	La	Li
Unit Symbol	ppm	%	%	%	%	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm
Lower Limit	0.1	0.005	0.01	0.01	0.01	0.1	1	100	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.1	0.01	0.1	0.01	0.1	0.1
Method Code	TD-MS	FUS-Na2O2	FUS-Na2O2	FUS-Na2O2	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
409645	< 0.1				7.18	< 0.1	< 1	< 100	305	< 1	0.7	6.00	< 0.1	51	29.8	132	204	1.7	9.28	1.1	1.79	23.0	16.0
409646	< 0.1				7.71	0.3	512	< 100	400	< 1	1.2	1.70	0.1	61	83.1	47	1330	2.3	16.3	1.6	1.98	28.2	21.4
409647	< 0.1				8.06	0.1	399	200	301	< 1	3.8	1.87	< 0.1	43	103	48	251	2.5	15.1	2.3	2.28	19.2	22.8
409648	< 0.1				8.19	< 0.1	< 1	< 100	424	< 1	0.3	2.91	0.2	50	39.5	41	275	4.3	14.1	3.3	2.81	22.3	26.6
409649	< 0.1				8.26	0.3	1	< 100	287	1	0.2	3.61	< 0.1	51	20.0	59	116	2.2	9.99	3.4	1.77	24.4	20.9
409650	0.5	3.07	0.61	2.34	4.14	43.4	90	800	73	< 1	21.8	1.51	131	27	276	20	> 10000	1.2	16.5	3.1	0.89	10.7	9.6
409651	< 0.1				7.76	0.1	11	< 100	328	< 1	0.3	2.45	0.2	44	18.6	93	367	1.4	7.05	3.8	2.28	21.3	14.9
409652	0.8				4.96	3.5	110	1300	222	< 1	2.0	3.17	1.0	30	95.6	82	5570	1.0	11.5	3.2	1.81	10.4	13.1
409653	< 0.1				7.13	< 0.1	386	< 100	253	1	0.3	2.86	0.3	45	53.9	74	360	2.2	8.66	3.3	1.87	21.5	17.1
409654	0.4				6.28	1.6	2150	200	154	< 1	1.6	2.58	0.6	53	211	95	2670	1.1	7.24	3.3	1.34	25.6	10.0
409655	< 0.1	1.56			7.20	9.7	183	1400	232	< 1	2.1	2.98	2.2	44	300	57	> 10000	1.6	13.3	2.7	1.94	20.5	15.9
410963	0.1				7.31	< 0.1	30	< 100	740	2	0.7	1.92	0.2	62	4.8	77	62.0	0.9	2.27	5.1	2.60	32.8	8.0
410964	0.1				7.46	< 0.1	7	< 100	726	2	0.6	1.49	0.2	54	3.9	103	52.8	0.8	1.99	4.5	2.37	28.7	8.6
410965	< 0.1				5.97	< 0.1	13	200	555	2	0.4	1.70	0.3	52	4.8	93	55.1	0.8	2.30	5.0	2.22	26.8	6.1
410966	< 0.1				5.52	< 0.1	32	< 100	506	2	0.4	1.62	0.4	50	5.1	106	49.0	0.8	2.27	5.1	2.04	25.7	5.3
410967	0.2				6.05	< 0.1	21	< 100	471	2	0.8	2.05	0.3	46	8.0	102	88.2	0.6	2.38	4.6	1.95	23.4	6.8
410968	0.2				7.18	0.1	144	200	211	2	0.7	1.69	0.2	65	8.6	118	109	1.3	2.97	4.9	3.15	34.6	8.3
410969	0.4				5.12	0.3	18	200	593	2	1.3	1.34	0.2	43	6.2	158	62.7	0.7	2.23	4.5	2.02	19.2	6.8
410970	0.2				7.32	< 0.1	12	< 100	675	2	0.7	1.68	0.3	64	5.7	113	55.4	1.0	2.34	5.5	2.35	33.7	7.2
410971	0.1				7.38	0.4	14	100	678	2	0.7	1.87	0.3	70	5.2	124	59.3	1.0	2.44	5.2	2.34	37.3	7.3
410972	1.1				4.68	1.6	22	400	394	1	25.5	1.29	0.5	54	6.7	182	84.9	0.8	2.12	4.0	1.64	28.0	4.6
410973	< 0.1				7.13	< 0.1	19	< 100	554	2	0.5	1.77	0.3	68	6.3	101	57.0	1.0	2.56	4.9	2.30	35.1	5.0
410974	< 0.1				7.31	< 0.1	13	< 100	559	2	0.6	1.78	0.1	69	7.5	87	32.6	1.0	2.61	5.5	1.95	36.0	3.6
410975	0.2				6.40	< 0.1	22	< 100	513	2	1.4	1.81	0.2	61	5.5	96	24.5	1.0	2.38	5.3	2.14	31.1	4.1
410976	< 0.1				7.14	< 0.1	17	100	610	2	0.7	2.25	0.2	62	5.4	106	44.2	1.0	2.62	5.4	2.29	32.0	4.2
410977	< 0.1				6.04	< 0.1	18	< 100	521	2	0.5	1.59	0.4	59	4.5	106	31.0	0.8	2.19	5.1	1.88	29.5	4.0
410978	0.4				6.52	< 0.1	10	600	557	2	0.5	1.96	0.5	58	5.4	108	160	1.0	2.54	5.2	2.16	28.8	4.8
410979	0.1				6.04	< 0.1	20	< 100	523	2	0.5	1.57	0.9	54	6.1	114	85.1	0.8	2.55	5.1	1.81	27.0	6.5
410980	0.2				5.46	1.1	2	1100	75	< 1	6.6	3.58	< 0.1	18	18.0	41	4280	147	22.6	0.4	2.37	9.8	97.2
410981	0.6				6.96	0.5	20	100	646	2	1.4	1.66	0.4	67	5.6	101	57.1	0.8	2.61	5.2	1.96	35.3	6.6
410982	1.8				7.44	1.5	40	900	268	2	4.1	1.69	0.2	61	7.4	90	58.4	1.0	3.16	5.5	2.13	31.1	6.2
410983	0.3				6.71	0.2	15	100	651	2	3.2	1.89	0.4	61	6.4	97	49.3	0.8	2.67	5.2	1.97	31.3	5.3
410984	0.3				7.15	0.3	87	300	580	2	1.8	1.71	0.5	69	6.7	97	47.3	0.9	2.84	5.4	2.31	35.4	5.3
410985	0.1				6.56	0.3	17	800	637	2	1.0	1.81	0.4	62	6.9	100	40.9	0.9	2.76	5.6	2.09	31.6	4.4
410986	0.4				6.37	0.2	247	100	589	2	0.9	1.85	0.3	66	6.0	115	52.0	0.9	2.69	5.6	1.97	33.0	4.9
410987	0.5				6.61	1.5	172	> 2000	549	2	1.4	1.82	0.3	60	6.9	163	47.0	0.9	2.83	5.2	1.96	30.5	5.4
410988	< 0.1				4.52	0.2	14	500	620	2	0.6	1.73	0.3	41	5.8	134	31.1	0.9	2.65	5.6	1.92	15.6	5.3
410989	0.2				6.78	0.2	243	300	431	2	1.3	1.70	0.3	63	6.1	113	32.9	0.9	2.68	5.1	1.92	31.7	4.3
410990	< 0.1				7.09	< 0.1	< 1	< 100	415	1	0.4	1.80	< 0.1	19	6.0	68	7.9	3.0	1.46	1.2	1.35	9.6	15.4
410991	< 0.1				5.91	< 0.1	10	100	483	1	0.5	1.68	0.3	58	4.8	105	26.5	0.7	2.13	4.5	1.50	29.8	3.9
410992	0.3				5.95	0.6	39	1300	335	1	1.8	1.75	0.1	53	6.8	114	21.8	0.7	2.20	4.6	1.21	26.7	3.3
410993	0.5				5.55	0.5	79	900	248	< 1	3.3	3.44	< 0.1	49	9.9	110	21.8	0.7	3.25	4.4	0.91	23.4	1.8

Analyte Symbol	Te	Cu	Pb	Zn	Al	Ag	As	Au	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Cs	Fe	Hf	K	La	Li
Unit Symbol	ppm	%	%	%	%	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm
Lower Limit	0.1	0.005	0.01	0.01	0.01	0.1	1	100	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.1	0.01	0.1	0.01	0.1	0.1
Method Code	TD-MS	FUS-Na2O2	FUS-Na2O2	FUS-Na2O2	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
410994	0.1				4.94	< 0.1	367	< 100	406	2	0.9	8.85	0.5	39	36.3	296	49.3	3.1	6.25	3.0	1.91	19.7	18.3
410995	< 0.1				5.26	< 0.1	354	< 100	421	1	0.7	9.42	0.2	41	37.7	315	91.3	1.3	4.67	2.2	1.85	19.6	3.7
410996	< 0.1				6.08	< 0.1	32	200	159	1	0.3	0.86	< 0.1	73	2.1	96	23.5	0.3	1.24	5.9	0.33	34.1	1.7

Analyte Symbol	Na	Nb	Ni	P	Rb	Pb	S	Mg	Mn	Mo	Sb	Sc	Sn	Sr	Ta	Th	Ti	Tl	U	V	W	Y	Zn
Unit Symbol	%	ppm	ppm	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.1	0.1	0.001	0.1	0.1	1	0.01	1	0.1	0.1	1	0.1	1	0.1	0.1	0.001	0.05	0.1	4	0.1	0.1	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
409604	0.208	0.4	727	0.014	56.8	2.4	< 1	4.10	766	1.6	2.6	46	0.8	32	< 0.1	0.2	0.334	0.29	0.3	199	2.5	7.2	78
409605	0.541	< 0.1	509	0.022	42.9	1.7	< 1	3.53	1050	0.7	0.7	37	0.9	54	< 0.1	0.4	0.225	0.24	0.4	145	0.1	10.5	85
409606	2.03	0.1	46.6	0.052	30.8	1.7	< 1	3.17	851	0.4	0.4	32	0.7	45	< 0.1	1.3	0.213	0.15	0.8	142	< 0.1	17.9	78
409607	1.13	< 0.1	42.3	0.047	41.7	1.7	< 1	2.83	842	0.1	0.1	30	0.5	73	< 0.1	1.2	0.157	0.20	0.7	124	0.1	15.8	62
409608	0.926	2.0	70.5	0.052	36.4	4.0	< 1	3.87	862	2.4	1.0	32	2.4	41	< 0.1	1.2	0.467	0.18	0.9	221	0.7	16.2	88
409609	0.088	0.8	527	0.016	53.0	3.7	< 1	3.61	966	5.0	5.8	39	3.7	45	< 0.1	0.2	0.305	0.28	0.3	188	3.3	7.4	83
409610	3.06	14.1	11.9	0.009	38.6	8.2	< 1	0.18	269	10.6	2.0	4	5.7	53	1.2	10.9	0.056	0.18	3.0	4	2.1	17.5	43
409611	3.21	13.8	10.2	0.006	38.1	22.1	< 1	0.12	203	8.2	2.8	3	6.2	45	0.8	10.2	0.057	0.18	2.3	< 4	2.2	15.4	47
409612	0.148	0.8	434	0.020	58.0	3.0	< 1	3.67	968	2.0	5.3	40	1.6	62	< 0.1	0.4	0.348	0.27	0.4	193	1.3	8.1	92
409613	0.610	0.5	680	0.013	7.6	1.3	< 1	3.71	1010	1.2	2.3	23	0.6	68	< 0.1	< 0.1	0.262	0.16	0.2	168	4.1	4.2	73
409614	1.33	0.4	670	0.011	23.9	1.4	< 1	3.72	1040	1.9	1.7	38	0.6	82	< 0.1	0.1	0.269	0.10	0.2	161	2.8	6.1	70
409615	0.952	0.1	628	0.012	26.0	1.3	< 1	3.91	1100	0.9	10.5	37	0.3	80	< 0.1	0.1	0.239	0.11	0.2	147	0.1	6.9	70
409616	0.586	0.1	654	0.011	29.6	1.0	< 1	3.55	1250	1.2	4.0	35	0.2	92	< 0.1	0.1	0.230	0.13	0.3	141	0.1	7.6	62
409617	0.758	0.3	733	0.012	29.0	1.0	< 1	4.53	1330	1.6	5.1	43	0.4	86	< 0.1	0.1	0.287	0.14	0.3	181	0.4	9.3	71
409618	0.682	0.2	640	0.012	19.3	1.5	< 1	4.54	1250	1.8	3.6	36	0.3	91	< 0.1	0.1	0.245	0.07	0.2	147	0.7	8.0	90
409619	0.975	0.2	535	0.010	14.0	0.8	< 1	3.55	1280	1.0	4.1	32	0.3	125	< 0.1	0.1	0.220	< 0.05	0.2	135	0.5	7.5	63
409620	0.914	5.8	78.3	0.083	94.6	8.3	2	1.10	2990	141	2.6	12	7.6	80	0.4	4.0	0.422	0.26	32.3	201	91.5	18.7	40
409621	0.689	0.2	582	0.012	16.4	0.9	< 1	3.76	1240	1.5	7.3	32	0.4	113	< 0.1	0.1	0.231	0.06	0.2	137	1.7	7.7	58
409622	0.171	0.3	604	0.011	10.3	80.7	< 1	5.68	1190	1.0	1.0	33	0.4	123	< 0.1	0.1	0.227	0.13	0.1	134	3.0	8.0	65
409623	0.595	0.4	632	0.011	34.1	1.2	< 1	3.45	1270	1.4	2.6	35	0.6	99	< 0.1	0.1	0.252	0.17	0.3	152	7.9	10.1	68
409624	1.08	1.2	294	0.027	21.5	2.2	< 1	3.08	1040	1.1	1.4	31	0.7	85	< 0.1	0.5	0.348	0.16	0.4	178	1.1	13.0	72
409625	3.62	17.0	5.2	0.003	58.9	16.1	< 1	0.05	197	11.3	0.5	3	3.9	40	1.2	7.6	0.051	0.36	2.3	< 4	1.4	16.0	75
409626	3.22	15.6	10.9	0.007	76.2	16.7	< 1	0.34	310	9.0	1.0	6	3.9	54	1.2	11.5	0.086	0.41	3.9	19	2.0	22.7	63
409627	2.57	9.7	5.8	0.048	82.9	15.2	< 1	0.40	426	30.7	5.9	5	4.4	138	0.8	12.7	0.209	0.38	3.8	21	22.2	13.9	68
409628	0.681	< 0.1	9.8	0.021	16.3	13.5	< 1	0.85	579	0.5	< 0.1	7	0.2	97	< 0.1	0.3	0.164	0.07	0.3	26	< 0.1	8.0	66
409629	0.625	0.9	8.8	0.033	9.4	2.7	< 1	0.48	361	18.7	0.4	5	0.7	85	< 0.1	0.3	0.211	< 0.05	0.2	39	0.1	6.3	26
409630	0.639	15.0	17.7	0.507	735	8.3	< 1	0.69	2960	266	0.5	5	112	93	< 0.1	5.8	0.142	5.94	8.7	52	> 200	7.6	325
409631	0.147	0.7	7.5	0.005	2.7	2.8	< 1	0.17	144	20.6	0.4	1	0.5	18	< 0.1	0.1	0.063	0.09	0.1	5	10.7	1.6	27
409632	2.20	0.2	10.8	0.137	28.3	22.1	< 1	0.94	773	1.7	0.1	14	0.8	244	< 0.1	2.3	0.274	0.14	1.4	58	1.2	24.8	135
409633	0.484	0.1	102	0.149	89.0	0.9	< 1	2.91	851	0.1	< 0.1	24	0.2	52	< 0.1	2.2	0.135	0.45	1.2	55	0.4	23.6	54
409634	1.26	0.7	15.4	0.088	61.2	1.6	2	1.88	937	0.7	0.1	21	1.8	108	< 0.1	1.8	0.424	0.40	1.2	152	0.4	18.2	47
409635	2.38	0.7	18.3	0.082	41.3	2.4	< 1	2.04	1080	0.9	0.3	27	1.5	279	< 0.1	1.6	0.430	0.27	1.1	123	0.3	20.0	63
409636	1.02	0.8	15.9	0.074	42.6	2.4	1	2.16	1080	1.9	0.1	25	0.6	134	< 0.1	1.5	0.533	0.27	0.8	179	0.4	19.9	101
409637	1.76	1.2	17.8	0.078	28.1	3.8	3	2.08	903	1.4	0.6	27	1.1	186	< 0.1	1.5	0.514	0.17	0.9	193	0.6	15.7	64
409638	1.11	0.3	13.2	0.073	97.5	3.5	< 1	1.95	874	0.5	0.4	25	1.7	174	< 0.1	1.3	0.290	0.57	0.7	101	0.3	16.3	56
409639	2.44	0.2	4.9	0.082	47.2	6.1	< 1	2.19	1030	0.6	< 0.1	23	0.5	282	< 0.1	1.3	0.295	0.26	0.7	94	0.2	19.0	68
409640	2.95	1.7	24.5	0.023	47.0	7.3	< 1	0.56	271	14.2	0.1	5	0.9	351	< 0.1	1.3	0.170	0.21	0.3	36	0.3	5.9	34
409641	0.474	5.2	20.8	0.068	60.7	1.5	< 1	2.94	3230	2.8	0.5	26	1.6	52	0.3	1.4	0.678	0.26	0.7	222	2.9	15.1	209
409642	1.89	6.2	5.8	0.092	34.8	1.9	< 1	1.41	1780	2.6	0.5	7	1.4	94	0.4	1.2	0.432	0.39	0.7	96	2.6	11.0	240
409643	0.629	1.0	18.2	0.065	70.1	1.6	< 1	2.31	2380	0.9	0.5	26	1.8	52	< 0.1	1.3	0.400	0.32	0.6	149	0.3	17.8	3320
409644	2.52	5.5	4.6	0.028	48.9	2.9	< 1	0.52	234	9.4	0.3	5	1.0	186	0.3	7.0	0.207	0.21	2.5	37	1.4	11.4	23
409645	1.62	0.1	12.4	0.138	65.7	2.7	< 1	1.80	1380	0.3	0.1	26	2.1	198	< 0.1	2.6	0.310	0.36	1.2	93	0.1	31.5	59

Analyte Symbol	Na	Nb	Ni	P	Rb	Pb	S	Mg	Mn	Mo	Sb	Sc	Sn	Sr	Ta	Th	Ti	Tl	U	V	W	Y	Zn
Unit Symbol	%	ppm	ppm	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.1	0.1	0.001	0.1	0.1	1	0.01	1	0.1	0.1	1	0.1	1	0.1	0.1	0.001	0.05	0.1	4	0.1	0.1	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
409646	0.779	1.1	10.6	0.136	77.3	1.8	< 1	2.34	999	1.0	0.5	24	1.3	104	< 0.1	2.3	0.444	0.47	1.1	121	0.2	25.9	66
409647	1.34	2.4	22.4	0.134	90.5	2.4	2	2.22	745	0.9	0.7	25	1.2	203	< 0.1	2.1	0.578	0.55	1.1	158	0.5	27.4	43
409648	1.44	3.5	13.6	0.145	122	1.8	< 1	2.31	755	1.7	0.1	27	1.6	195	< 0.1	2.4	0.727	0.81	1.1	174	0.3	27.1	57
409649	2.12	1.7	9.4	0.100	78.0	3.6	< 1	1.80	624	2.1	0.4	17	1.8	250	< 0.1	5.1	0.476	0.45	1.8	110	0.1	24.3	68
409650	0.467	5.3	20.3	0.058	33.9	> 5000	> 10.0	1.27	606	17.6	13.8	7	8.6	25	0.3	2.2	0.138	1.06	1.4	30	4.4	15.5	> 10000
409651	2.30	5.9	5.2	0.053	73.6	9.3	< 1	1.15	446	8.0	0.3	10	0.8	228	0.4	6.4	0.371	0.36	2.2	83	0.8	12.6	71
409652	1.36	9.7	10.6	0.101	39.3	2.3	1	1.50	664	8.4	0.4	10	1.3	150	0.7	1.7	0.661	0.33	1.3	147	2.5	12.3	153
409653	1.91	0.7	7.3	0.069	78.6	2.5	< 1	1.43	544	3.3	0.5	14	0.5	213	< 0.1	5.1	0.418	0.44	1.9	106	0.1	17.1	92
409654	2.10	4.1	14.8	0.030	51.8	3.4	2	0.78	345	10.7	7.1	7	0.8	199	0.2	8.1	0.206	0.23	10.6	49	0.5	11.1	75
409655	1.39	1.0	17.9	0.108	69.8	2.4	2	1.73	627	0.9	0.1	18	1.5	182	< 0.1	3.5	0.465	0.43	1.4	121	0.1	20.1	190
410963	2.64	9.7	5.1	0.046	79.9	8.9	< 1	0.39	408	8.1	2.8	4	4.1	133	0.8	11.5	0.205	0.33	3.0	19	11.6	12.8	48
410964	2.23	8.9	5.2	0.042	76.8	6.8	< 1	0.36	360	16.3	2.8	4	4.2	126	0.8	11.1	0.174	0.28	3.4	15	11.7	11.3	41
410965	2.91	9.8	5.0	0.044	68.6	8.5	< 1	0.38	436	8.9	2.3	4	3.6	123	0.9	10.1	0.206	0.32	2.6	18	8.9	11.3	64
410966	3.15	9.9	5.8	0.043	55.5	11.2	< 1	0.35	423	11.8	2.8	4	4.2	130	0.9	9.5	0.200	0.30	2.5	20	12.6	11.4	74
410967	2.67	9.0	7.0	0.040	56.2	17.0	< 1	0.34	411	9.9	3.3	4	4.6	116	0.8	8.2	0.203	0.23	2.2	20	41.6	10.6	49
410968	1.04	9.8	7.3	0.047	96.4	10.8	1	0.41	412	18.8	4.6	5	5.6	90	0.9	12.3	0.208	0.48	4.2	20	19.5	13.4	39
410969	2.08	9.4	5.9	0.040	53.4	17.3	< 1	0.33	328	10.7	6.7	3	4.1	98	0.8	8.0	0.189	0.23	2.9	16	19.1	9.4	31
410970	2.61	9.9	6.1	0.046	78.0	9.9	< 1	0.41	370	16.7	4.1	4	4.5	122	0.8	12.4	0.217	0.33	3.8	19	17.7	13.6	54
410971	2.40	9.7	5.8	0.045	80.2	10.3	< 1	0.42	403	8.9	4.9	5	4.4	129	0.8	13.5	0.214	0.35	4.0	18	18.2	14.6	71
410972	1.16	7.7	7.8	0.041	62.0	87.0	< 1	0.31	330	15.9	4.8	4	3.6	80	0.6	10.4	0.177	0.26	4.2	11	21.4	17.4	82
410973	2.78	8.4	7.7	0.052	79.8	10.9	< 1	0.44	482	8.7	3.3	5	4.9	137	0.2	12.2	0.243	0.33	3.5	26	12.0	15.9	66
410974	3.37	8.1	7.6	0.050	65.1	13.9	< 1	0.46	496	9.9	2.5	6	4.4	168	0.6	12.1	0.255	0.29	3.5	26	8.7	15.8	65
410975	2.72	9.6	7.5	0.049	67.2	10.7	< 1	0.44	444	7.8	3.0	5	3.8	110	0.5	10.3	0.237	0.32	2.7	25	15.4	14.3	60
410976	2.64	10.8	7.5	0.050	71.2	13.4	< 1	0.51	538	10.6	2.8	5	5.0	157	1.0	11.9	0.233	0.33	3.9	25	24.9	15.6	60
410977	2.98	10.2	6.3	0.047	59.6	14.3	< 1	0.40	424	10.2	2.3	5	3.6	118	0.8	10.7	0.230	0.26	3.2	23	19.9	13.9	92
410978	2.86	10.8	6.7	0.047	67.8	9.9	< 1	0.46	433	10.7	2.7	5	6.9	135	0.9	10.1	0.240	0.31	2.7	24	26.2	13.9	83
410979	3.19	10.5	7.1	0.046	54.2	47.5	< 1	0.42	391	8.1	3.7	5	6.9	119	0.7	9.3	0.235	0.25	2.4	25	12.3	13.0	144
410980	0.602	2.5	15.6	0.461	813	8.0	< 1	0.70	2850	229	0.4	4	105	93	< 0.1	4.6	0.081	5.69	8.5	47	> 200	7.2	304
410981	2.79	10.3	7.3	0.052	62.9	36.7	< 1	0.47	369	11.2	2.9	6	4.2	136	0.8	11.9	0.247	0.21	3.6	26	24.5	15.9	85
410982	3.01	11.9	9.0	0.064	67.2	26.6	1	0.54	413	9.2	3.4	6	4.4	129	0.9	9.2	0.284	0.25	2.9	29	16.6	17.3	35
410983	2.65	10.4	7.3	0.059	59.7	15.4	< 1	0.53	463	12.3	3.1	6	3.9	142	0.7	9.1	0.270	0.22	3.1	27	15.4	15.1	65
410984	2.68	11.4	7.7	0.058	65.3	60.3	< 1	0.50	431	9.8	2.9	6	4.5	135	0.8	10.3	0.268	0.25	2.8	28	24.4	16.4	88
410985	2.89	11.5	7.4	0.054	60.4	27.6	< 1	0.52	474	11.3	2.5	6	4.2	136	0.8	9.3	0.257	0.24	2.7	25	12.8	14.1	75
410986	3.04	11.5	7.3	0.055	57.8	17.7	< 1	0.49	435	9.9	4.3	5	7.0	133	0.8	10.1	0.252	0.23	2.9	25	16.0	14.9	75
410987	2.80	10.7	7.7	0.055	59.1	28.7	< 1	0.51	426	13.1	2.6	6	5.0	125	0.8	9.7	0.248	0.21	2.9	23	17.4	15.4	49
410988	2.85	11.8	6.9	0.051	47.2	17.6	< 1	0.51	459	9.0	2.5	3	4.4	102	1.0	5.4	0.244	0.25	2.6	24	15.6	10.0	68
410989	2.87	10.8	7.7	0.053	59.1	35.7	< 1	0.50	384	11.8	2.5	5	4.1	118	0.8	10.5	0.233	0.22	3.1	22	17.6	15.8	59
410990	3.04	1.8	21.3	0.022	52.9	7.6	< 1	0.57	245	4.1	< 0.1	5	0.8	346	< 0.1	1.4	0.158	0.25	0.4	36	0.3	5.9	18
410991	2.83	8.7	6.7	0.041	46.6	9.3	< 1	0.50	341	10.7	1.8	5	3.4	103	0.5	10.2	0.199	0.16	3.0	19	13.9	14.6	54
410992	3.38	9.7	7.9	0.035	36.2	34.1	< 1	0.55	329	12.1	2.7	5	3.8	87	0.7	8.7	0.240	0.15	2.7	23	21.0	14.0	15
410993	3.20	10.1	18.5	0.036	29.0	26.3	1	1.13	567	8.2	3.9	6	3.9	124	0.6	7.0	0.339	0.13	2.3	34	53.4	16.4	9
410994	0.248	3.9	312	0.011	73.1	8.6	< 1	4.01	1290	3.2	5.1	16	2.1	390	< 0.1	5.8	0.360	0.36	1.8	94	15.9	17.7	107

Analyte Symbol	Na	Nb	Ni	P	Rb	Pb	S	Mg	Mn	Mo	Sb	Sc	Sn	Sr	Ta	Th	Ti	Tl	U	V	W	Y	Zn
Unit Symbol	%	ppm	ppm	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.1	0.1	0.001	0.1	0.1	1	0.01	1	0.1	0.1	1	0.1	1	0.1	0.1	0.001	0.05	0.1	4	0.1	0.1	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
410995	1.06	0.2	326	0.005	66.1	7.1	< 1	3.75	1160	0.6	8.1	18	0.9	414	< 0.1	5.4	0.231	0.34	1.6	76	0.4	15.7	36
410996	6.12	15.8	10.1	0.006	5.6	7.7	< 1	0.27	138	11.6	1.8	3	2.2	93	1.2	12.3	0.067	< 0.05	3.4	< 4	4.7	17.5	21

Analyte Symbol	Zr
Unit Symbol	ppm
Lower Limit	0.1
Method Code	TD-MS
409604	22.1
409605	21.4
409606	38.0
409607	30.9
409608	60.0
409609	22.4
409610	156
409611	150
409612	25.6
409613	17.9
409614	33.2
409615	18.4
409616	17.7
409617	20.4
409618	17.7
409619	12.5
409620	137
409621	14.9
409622	14.1
409623	16.6
409624	37.0
409625	131
409626	126
409627	187
409628	4.5
409629	12.8
409630	46.0
409631	3.2
409632	45.3
409633	35.6
409634	60.0
409635	37.4
409636	57.4
409637	61.3
409638	22.4
409639	46.0
409640	60.1
409641	39.8
409642	95.5
409643	31.9
409644	122
409645	33.6

Analyte Symbol	Zr
Unit Symbol	ppm
Lower Limit	0.1
Method Code	TD-MS
409646	57.2
409647	84.2
409648	117
409649	119
409650	116
409651	126
409652	114
409653	114
409654	118
409655	95.8
410963	178
410964	160
410965	182
410966	173
410967	165
410968	170
410969	160
410970	197
410971	189
410972	148
410973	190
410974	199
410975	184
410976	181
410977	177
410978	180
410979	184
410980	18.2
410981	185
410982	201
410983	182
410984	200
410985	205
410986	203
410987	188
410988	198
410989	185
410990	39.6
410991	167
410992	165
410993	159
410994	97.7

Analyte Symbol	Zr
Unit Symbol	ppm
Lower Limit	0.1
Method Code	TD-MS
410995	68.0
410996	168

Analyte Symbol	Te	Cu	Pb	Zn	Al	Ag	As	Au	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Cs	Fe	Hf	K	La	Li
Unit Symbol	ppm	%	%	%	%	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm
Lower Limit	0.1	0.005	0.01	0.01	0.01	0.1	1	100	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.1	0.01	0.1	0.01	0.1	0.1
Method Code	TD-MS	FUS-Na2O2	FUS-Na2O2	FUS-Na2O2	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	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-1 Meas	9.2				1.80	30.2	414	> 2000	684	< 1	1400	0.85	2.6	15	8.3	46	1080	2.7	23.3	0.5	0.04	7.9	7.0
GXR-1 Cert	13.0				3.52	31.0	427	3300	750	1.22	1380	0.960	3.30	17.0	8.20	12.0	1110	3.00	23.6	0.960	0.050	7.50	8.20
GXR-1 Meas	8.8				2.13	33.6	472	> 2000	684	< 1	1430	0.91	2.6	16	9.8	54	1150	2.9	27.3	0.5	0.05	8.0	8.3
GXR-1 Cert	13.0				3.52	31.0	427	3300	750	1.22	1380	0.960	3.30	17.0	8.20	12.0	1110	3.00	23.6	0.960	0.050	7.50	8.20
DH-1a Meas																							
DH-1a Cert																							
DH-1a Meas																							
DH-1a Cert																							
GXR-4 Meas	0.9				6.78	3.5	102	400	112	2	18.6	1.04	0.3	110	14.8	41	6290	2.6	3.09	1.2	3.42	61.7	11.7
GXR-4 Cert	0.970				7.20	4.0	98.0	500	1640	1.90	19.0	1.01	0.860	102	14.6	64.0	6520	2.80	3.09	6.30	4.01	64.5	11.1
GXR-4 Meas	0.9				6.72	3.6	106	400	109	2	18.4	1.04	0.4	111	14.5	47	6180	2.7	3.28	1.2	3.63	59.5	11.1
GXR-4 Cert	0.970				7.20	4.0	98.0	500	1640	1.90	19.0	1.01	0.860	102	14.6	64.0	6520	2.80	3.09	6.30	4.01	64.5	11.1
PTM-1a Meas		23.7																					
PTM-1a Cert		24.96																					
SDC-1 Meas					8.78		< 1		689	3		1.06		92	18.3	45	31.7	4.2	5.06	1.0	2.44	44.6	36.8
SDC-1 Cert					8.34		0.220		630	3.00		1.00		93.00	18.0	64.00	30.000	4.00	4.82	8.30	2.72	42.00	34.0
SDC-1 Meas					8.87		< 1		638	3		1.07		89	19.4	49	29.2	3.8	5.16	1.0	2.57	41.7	37.4
SDC-1 Cert					8.34		0.220		630	3.00		1.00		93.00	18.0	64.00	30.000	4.00	4.82	8.30	2.72	42.00	34.0
GXR-6 Meas	< 0.1				13.6	0.2	237	< 100	1380	1	0.2	0.17	0.1	37	14.4	48	72.0	4.3	5.86	2.0	1.95	13.9	37.1
GXR-6 Cert	0.0180				17.7	1.30	330	95.0	1300	1.40	0.290	0.180	1.00	36.0	13.8	96.0	66.0	4.20	5.58	4.30	1.87	13.9	32.0
GXR-6 Meas	< 0.1				13.6	0.2	236	100	1360	1	0.2	0.19	< 0.1	37	14.9	51	68.0	4.3	6.01	2.0	2.10	13.9	35.7
GXR-6 Cert	0.0180				17.7	1.30	330	95.0	1300	1.40	0.290	0.180	1.00	36.0	13.8	96.0	66.0	4.20	5.58	4.30	1.87	13.9	32.0
Oreas 74a (Fusion) Meas		0.123																					
Oreas 74a (Fusion) Cert		0.124																					
OREAS 134b (Fusion) Meas		0.134	13.0	17.4																			
OREAS 134b (Fusion) Cert		0.134	13.20	18.12																			
MP-1b Meas		3.07	2.05	16.1																			
MP-1b Cert		3.07	2.09	16.7																			
DNC-1a Meas									111						59.2	139	99.5					3.9	4.5
DNC-1a Cert									118						57	270	100					3.6	5.2
DNC-1a Meas									111						62.7	142	95.3					3.9	4.7
DNC-1a Cert									118						57	270	100					3.6	5.2
CPB-2 Meas		0.123	62.3	5.94																			
CPB-2 Cert		0.1213	63.52	6.04																			
CZN-4 Meas		0.409	0.18	53.6																			
CZN-4 Cert		0.403	0.1861	55.07																			
SBC-1 Meas							24		639	4	0.7		0.4	107	24.1	74	31.5	8.1		3.5		53.5	163
SBC-1 Cert							25.7		788.0	3.20	0.70		0.40	108.0	22.7	109	31.0000	8.2		3.7		52.5	163

Analyte Symbol	Te	Cu	Pb	Zn	Al	Ag	As	Au	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Cs	Fe	Hf	K	La	Li
Unit Symbol	ppm	%	%	%	%	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm
Lower Limit	0.1	0.005	0.01	0.01	0.01	0.1	1	100	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.1	0.01	0.1	0.01	0.1	0.1
Method Code	TD-MS	FUS-Na2O2	FUS-Na2O2	FUS-Na2O2	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	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 Meas							24		621	3	0.7		0.3	107	23.9	73	27.5	8.2		3.5		51.7	160
SBC-1 Cert							25.7		788.0	3.20	0.70		0.40	108.0	22.7	109	31.0000	8.2		3.7		52.5	163
OREAS 45d (4-Acid) Meas					7.80		6		190	< 1	0.3	0.19		36	30.4	425	361	3.8	14.6	1.4	0.39	17.5	21.1
OREAS 45d (4-Acid) Cert					8.150		13.8		183.0	0.79	0.31	0.185		37.20	29.50	549	371	3.910	14.5	3.830	0.412	16.9	21.5
OREAS 45d (4-Acid) Meas					7.81		7		192	< 1	0.3	0.19		37	31.6	467	339	3.8	14.8	1.3	0.41	17.6	20.5
OREAS 45d (4-Acid) Cert					8.150		13.8		183.0	0.79	0.31	0.185		37.20	29.50	549	371	3.910	14.5	3.830	0.412	16.9	21.5
PTC-1b Meas		7.80	0.08	0.21																			
PTC-1b Cert		7.97	0.08	0.2083																			
SdAR-M2 (U.S.G.S.) Meas									1040	7	1.0		5.4	98	13.0	33	240	1.7		3.4		47.7	18.4
SdAR-M2 (U.S.G.S.) Cert									990	6.6	1.05		5.1	98.8	12.4	49.6	236.0000	1.82		7.29		46.6	17.9
SdAR-M2 (U.S.G.S.) Meas									1020	7	1.1		5.3	97	13.7	37	230	1.8		3.2		46.3	18.0
SdAR-M2 (U.S.G.S.) Cert									990	6.6	1.05		5.1	98.8	12.4	49.6	236.0000	1.82		7.29		46.6	17.9
CCU-1e Meas			0.71	3.01																			
CCU-1e Cert			0.703	3.02																			
409604 Orig	< 0.1				7.81	< 0.1	25	< 100	316	< 1	< 0.1	3.43	< 0.1	2	82.6	1680	118	1.4	6.53	0.7	2.16	0.8	28.8
409604 Dup	< 0.1				7.61	< 0.1	25	< 100	331	< 1	< 0.1	3.50	< 0.1	2	82.4	1500	118	1.4	6.65	0.7	2.21	0.8	29.0
409624 Orig	< 0.1				4.95	< 0.1	< 1	< 100	541	< 1	< 0.1	8.53	0.1	7	50.6	583	90.3	0.6	6.14	1.1	0.96	2.6	23.2
409624 Dup	< 0.1				6.37	0.5	< 1	< 100	556	< 1	< 0.1	8.92	0.1	10	51.7	517	87.4	0.9	6.53	1.1	1.04	4.3	24.6
409651 Orig	< 0.1				7.84	0.1	15	< 100	320	< 1	0.4	2.42	0.1	46	17.9	92	363	1.3	6.77	3.6	2.21	22.6	14.6
409651 Dup	< 0.1				7.68	0.2	6	< 100	337	< 1	0.1	2.47	0.2	43	19.4	95	371	1.4	7.32	3.9	2.35	20.0	15.2
409654 Orig	0.4				6.27	1.6	2120	200	153	1	1.6	2.62	0.6	52	210	96	2670	1.1	7.25	3.3	1.33	25.2	10.1
409654 Dup	0.4				6.30	1.6	2170	200	155	< 1	1.6	2.54	0.6	53	212	94	2670	1.1	7.23	3.4	1.34	26.0	9.9
410989 Orig	0.2				6.84	0.2	241	300	392	2	1.3	1.73	0.3	62	6.1	127	33.0	0.9	2.70	5.2	1.92	31.4	4.4
410989 Dup	0.2				6.73	0.2	244	300	470	2	1.3	1.67	0.2	63	6.0	99	32.9	0.8	2.65	5.1	1.92	32.0	4.2
Method Blank					< 0.01	< 0.1	< 1	< 100	< 1	< 1	< 0.1	< 0.01	< 0.1	< 1	< 0.2	16	< 0.1	< 0.1	< 0.01	< 0.1	< 0.01	0.2	0.1
Method Blank					< 0.01	< 0.1	< 1	< 100	< 1	< 1	< 0.1	< 0.01	< 0.1	< 1	< 0.2	10	0.1	< 0.1	< 0.01	< 0.1	< 0.01	< 0.1	0.1
Method Blank					< 0.01	< 0.1	< 1	< 100	< 1	< 1	< 0.1	< 0.01	< 0.1	< 1	< 0.2	15	0.1	< 0.1	0.01	< 0.1	< 0.01	< 0.1	0.1
Method Blank					0.01	< 0.1	< 1	< 100	< 1	< 1	< 0.1	0.01	< 0.1	< 1	< 0.2	9	0.4	< 0.1	< 0.01	< 0.1	< 0.01	< 0.1	0.1
Method Blank					< 0.01	< 0.1	< 1	< 100	< 1	< 1	< 0.1	< 0.01	< 0.1	< 1	< 0.2	7	< 0.1	< 0.1	< 0.01	< 0.1	< 0.01	< 0.1	< 0.1
Method Blank	< 0.1																						
Method Blank	< 0.1																						
Method Blank	< 0.1																						
Method Blank	< 0.1																						
Method Blank	< 0.1																						

Analyte Symbol	Te	Cu	Pb	Zn	Al	Ag	As	Au	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Cs	Fe	Hf	K	La	Li
Unit Symbol	ppm	%	%	%	%	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm
Lower Limit	0.1	0.005	0.01	0.01	0.01	0.1	1	100	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.1	0.01	0.1	0.01	0.1	0.1
Method Code	TD-MS	FUS-Na2O2	FUS-Na2O2	FUS-Na2O2	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	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		< 0.005	< 0.01	< 0.01																			
Method Blank		< 0.005	< 0.01	< 0.01																			

Analyte Symbol	Na	Nb	Ni	P	Rb	Pb	S	Mg	Mn	Mo	Sb	Sc	Sn	Sr	Ta	Th	Ti	Tl	U	V	W	Y	Zn
Unit Symbol	%	ppm	ppm	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.1	0.1	0.001	0.1	0.1	1	0.01	1	0.1	0.1	1	0.1	1	0.1	0.1	0.001	0.05	0.1	4	0.1	0.1	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-1 Meas	0.043	0.7	39.8	0.064	2.8	766	< 1	0.20	778	17.3	34.5	< 1	25.6	258	< 0.1	2.6	0.023	0.35	34.4	72	146	26.7	762
GXR-1 Cert	0.0520	0.800	41.0	0.0650	14.0	730	0.257	0.217	852	18.0	122	1.58	54.0	275	0.175	2.44	0.036	0.390	34.9	80.0	164	32.0	760
GXR-1 Meas	0.047	0.7	47.7	0.074	3.1	769	< 1	0.23	840	19.6	36.1	1	27.8	300	< 0.1	2.5	0.029	0.37	33.4	86	148	29.5	870
GXR-1 Cert	0.0520	0.800	41.0	0.0650	14.0	730	0.257	0.217	852	18.0	122	1.58	54.0	275	0.175	2.44	0.036	0.390	34.9	80.0	164	32.0	760
DH-1a Meas																1050			2930				
DH-1a Cert																910			2629				
DH-1a Meas																892			2460				
DH-1a Cert																910			2629				
GXR-4 Meas	0.547	9.2	41.7	0.158	139	50.6	2	1.80	150	320	4.7	7	8.2	197	0.6	21.1	0.279	3.27	6.1	82	34.9	13.5	68
GXR-4 Cert	0.564	10.0	42.0	0.120	160	52.0	1.77	1.66	155	310	4.80	7.70	5.60	221	0.790	22.5	0.29	3.20	6.20	87.0	30.8	14.0	73.0
GXR-4 Meas	0.530	9.2	43.1	0.165	139	49.5	2	1.79	151	329	4.7	8	7.7	209	0.6	20.7	0.308	3.24	5.8	87	36.0	13.5	78
GXR-4 Cert	0.564	10.0	42.0	0.120	160	52.0	1.77	1.66	155	310	4.80	7.70	5.60	221	0.790	22.5	0.29	3.20	6.20	87.0	30.8	14.0	73.0
PTM-1a Meas																							
PTM-1a Cert																							
SDC-1 Meas	1.64	0.2	36.5	0.065	120	26.0		1.07	870		< 0.1	15	0.3	167	< 0.1	12.7	0.193	0.61	3.3	49	0.1		102
SDC-1 Cert	1.52	21.00	38.0	0.0690	127.00	25.00		1.02	880.00		0.54	17.00	3.00	180.00	1.20	12.00	0.606	0.70	3.10	102.00	0.80		103.00
SDC-1 Meas	1.66	0.1	35.7	0.065	115	25.3		1.10	865		< 0.1	16	0.3	161	< 0.1	12.2	0.198	0.60	3.2	52	< 0.1		105
SDC-1 Cert	1.52	21.00	38.0	0.0690	127.00	25.00		1.02	880.00		0.54	17.00	3.00	180.00	1.20	12.00	0.606	0.70	3.10	102.00	0.80		103.00
GXR-6 Meas	0.102	0.2	25.9	0.039	84.8	103	< 1	0.63	977	0.3	0.3	25	0.7	38	< 0.1	5.4		2.23	1.5	105	0.1	13.1	131
GXR-6 Cert	0.104	7.50	27.0	0.0350	90.0	101	0.0160	0.609	1010	2.40	3.60	27.6	1.70	35.0	0.485	5.30		2.20	1.54	186	1.90	14.0	118
GXR-6 Meas	0.102	0.2	26.9	0.038	85.3	102	< 1	0.61	990	0.3	0.3	27	0.6	37	< 0.1	5.4		2.24	1.5	111	0.1	12.5	135
GXR-6 Cert	0.104	7.50	27.0	0.0350	90.0	101	0.0160	0.609	1010	2.40	3.60	27.6	1.70	35.0	0.485	5.30		2.20	1.54	186	1.90	14.0	118
Oreas 74a (Fusion) Meas																							
Oreas 74a (Fusion) Cert																							
OREAS 134b (Fusion) Meas																							
OREAS 134b (Fusion) Cert																							
MP-1b Meas																							
MP-1b Cert																							
DNC-1a Meas		1.2	269		3.7	6.3					0.5	29		135			0.281			131		16.0	64
DNC-1a Cert		3	247		5	6.3					0.96	31		144			0.29			148		18.0	70
DNC-1a Meas		1.2	285		3.8	6.4					0.4	31		145			0.298			138		16.2	67
DNC-1a Cert		3	247		5	6.3					0.96	31		144			0.29			148		18.0	70
CPB-2 Meas																							
CPB-2 Cert																							
CZN-4 Meas																							
CZN-4 Cert																							
SBC-1 Meas		12.7	91.4		149	37.4				2.2	1.3	20	3.8	170	0.8	16.2	0.512	0.91	6.2	201	1.9	31.5	198
SBC-1 Cert		15.3	82.8		147	35.0				2.4	1.01	20.0	3.3	178.0	1.10	15.8	0.51	0.89	5.76	220.0	1.60	36.5	186
SBC-1 Meas		12.6	87.6		145	36.7				2.1	1.3	18	3.8	170	0.8	16.2	0.518	0.90	6.0	198	1.7	30.4	189

Analyte Symbol	Na	Nb	Ni	P	Rb	Pb	S	Mg	Mn	Mo	Sb	Sc	Sn	Sr	Ta	Th	Ti	Tl	U	V	W	Y	Zn
Unit Symbol	%	ppm	ppm	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.1	0.1	0.001	0.1	0.1	1	0.01	1	0.1	0.1	1	0.1	1	0.1	0.1	0.001	0.05	0.1	4	0.1	0.1	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		15.3	82.8		147	35.0				2.4	1.01	20.0	3.3	178.0	1.10	15.8	0.51	0.89	5.76	220.0	1.60	36.5	186
OREAS 45d (4-Acid) Meas	0.100	0.2	238	0.036	42.3	22.3	< 1	0.24	437	0.2	< 0.1	48	0.7	29	< 0.1	14.8	0.167	0.23	2.9	73	0.1	11.0	41
OREAS 45d (4-Acid) Cert	0.101	14.50	231.0	0.042	42.1	21.8	0.049	0.245	490.000	2.500	0.82	49.30	2.78	31.30	1.02	14.5	0.773	0.27	2.63	235.0	1.62	9.53	45.7
OREAS 45d (4-Acid) Meas	0.093	0.3	242	0.037	42.8	22.1	< 1	0.23	451	0.2	< 0.1	48	0.7	28	< 0.1	14.6	0.176	0.22	2.8	85	< 0.1	10.9	43
OREAS 45d (4-Acid) Cert	0.101	14.50	231.0	0.042	42.1	21.8	0.049	0.245	490.000	2.500	0.82	49.30	2.78	31.30	1.02	14.5	0.773	0.27	2.63	235.0	1.62	9.53	45.7
PTC-1b Meas																							
PTC-1b Cert																							
SdAR-M2 (U.S.G.S.) Meas		9.4	52.1		150	783				11.3		4		130	0.5	14.1			2.6	23	1.3	24.6	799
SdAR-M2 (U.S.G.S.) Cert		26.2	48.8		149	808				13.3		4.1		144	1.8	14.2			2.53	25.2	2.8	32.7	760
SdAR-M2 (U.S.G.S.) Meas		4.5	52.7		151	791				10.8		4		141	0.3	14.2			2.6	25	0.5	24.3	810
SdAR-M2 (U.S.G.S.) Cert		26.2	48.8		149	808				13.3		4.1		144	1.8	14.2			2.53	25.2	2.8	32.7	760
CCU-1e Meas																							
CCU-1e Cert																							
409604 Orig	0.208	0.5	726	0.014	56.3	3.0	< 1	4.11	758	1.7	2.5	46	0.9	32	< 0.1	0.1	0.335	0.29	0.3	199	2.4	7.0	80
409604 Dup	0.209	0.4	728	0.013	57.3	1.9	< 1	4.09	773	1.5	2.7	47	0.8	32	< 0.1	0.2	0.334	0.29	0.3	198	2.5	7.4	77
409624 Orig	1.07	2.3	292	0.027	8.6	2.1	< 1	2.94	1040	1.7	2.5	26	0.9	85	0.2	0.3	0.383	0.16	0.4	188	2.2	11.2	71
409624 Dup	1.09	0.1	296	0.027	34.4	2.3	< 1	3.21	1050	0.6	0.3	37	0.5	85	< 0.1	0.6	0.313	0.17	0.5	168	0.1	14.9	72
409651 Orig	2.26	4.0	5.7	0.051	74.6	15.6	< 1	1.13	436	7.4	0.2	10	0.7	220	0.1	6.8	0.341	0.35	2.2	78	0.4	12.8	72
409651 Dup	2.33	7.8	4.8	0.054	72.7	3.1	< 1	1.17	455	8.6	0.3	11	1.0	236	0.6	6.1	0.401	0.37	2.1	87	1.3	12.3	70
409654 Orig	2.11	4.1	15.0	0.030	51.7	2.7	2	0.77	346	10.8	7.2	7	0.9	201	0.2	6.9	0.209	0.22	2.0	48	0.5	10.8	75
409654 Dup	2.09	4.2	14.5	0.029	51.9	4.1	2	0.80	344	10.6	7.0	7	0.7	197	0.2	9.3	0.202	0.24	19.2	49	0.5	11.5	76
410989 Orig	2.88	10.8	7.5	0.053	59.3	36.3	1	0.50	391	12.1	2.6	5	4.1	118	0.8	10.4	0.236	0.23	3.1	22	18.1	15.5	59
410989 Dup	2.86	10.7	7.9	0.052	58.9	35.0	< 1	0.49	377	11.6	2.5	5	4.0	118	0.8	10.6	0.230	0.21	3.1	21	17.1	16.0	58
Method Blank	0.002	< 0.1	0.1	< 0.001	0.2	0.2	< 1	< 0.01	4	< 0.1	0.2	< 1	0.3	< 1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.1	< 4	< 0.1	< 0.1	< 1
Method Blank	0.002	< 0.1	0.2	< 0.001	< 0.1	0.2	< 1	< 0.01	9	0.2	< 0.1	< 1	0.3	< 1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.1	< 4	< 0.1	< 0.1	< 1
Method Blank	0.002	< 0.1	0.2	< 0.001	< 0.1	0.2	< 1	< 0.01	10	< 0.1	< 0.1	< 1	0.3	< 1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.1	< 4	0.2	< 0.1	< 1
Method Blank	0.008	< 0.1	0.1	< 0.001	< 0.1	0.2	< 1	< 0.01	4	< 0.1	0.2	< 1	0.4	< 1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.1	< 4	< 0.1	< 0.1	< 1
Method Blank	0.002	< 0.1	0.1	< 0.001	< 0.1	0.1	< 1	< 0.01	8	0.1	0.1	< 1	0.4	< 1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.1	< 4	0.1	< 0.1	< 1
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							

Analyte Symbol	Zr
Unit Symbol	ppm
Lower Limit	0.1
Method Code	TD-MS
GXR-1 Meas	21.5
GXR-1 Cert	38.0
GXR-1 Meas	21.8
GXR-1 Cert	38.0
DH-1a Meas	
DH-1a Cert	
DH-1a Meas	
DH-1a Cert	
GXR-4 Meas	39.2
GXR-4 Cert	186
GXR-4 Meas	40.1
GXR-4 Cert	186
PTM-1a Meas	
PTM-1a Cert	
SDC-1 Meas	35.9
SDC-1 Cert	290.00
SDC-1 Meas	34.5
SDC-1 Cert	290.00
GXR-6 Meas	64.4
GXR-6 Cert	110
GXR-6 Meas	63.1
GXR-6 Cert	110
Oreas 74a (Fusion) Meas	
Oreas 74a (Fusion) Cert	
OREAS 134b (Fusion) Meas	
OREAS 134b (Fusion) Cert	
MP-1b Meas	
MP-1b Cert	
DNC-1a Meas	37.5
DNC-1a Cert	38.0
DNC-1a Meas	37.0
DNC-1a Cert	38.0
CPB-2 Meas	
CPB-2 Cert	
CZN-4 Meas	
CZN-4 Cert	
SBC-1 Meas	120
SBC-1 Cert	134.0
SBC-1 Meas	112

Analyte Symbol	Zr
Unit Symbol	ppm
Lower Limit	0.1
Method Code	TD-MS
SBC-1 Cert	134.0
OREAS 45d (4-Acid) Meas	49.2
OREAS 45d (4-Acid) Cert	141
OREAS 45d (4-Acid) Meas	51.1
OREAS 45d (4-Acid) Cert	141
PTC-1b Meas	
PTC-1b Cert	
SdAR-M2 (U.S.G.S.) Meas	107
SdAR-M2 (U.S.G.S.) Cert	259
SdAR-M2 (U.S.G.S.) Meas	104
SdAR-M2 (U.S.G.S.) Cert	259
CCU-1e Meas	
CCU-1e Cert	
409604 Orig	21.3
409604 Dup	23.0
409624 Orig	37.4
409624 Dup	36.5
409651 Orig	120
409651 Dup	133
409654 Orig	118
409654 Dup	117
410989 Orig	191
410989 Dup	179
Method Blank	0.2
Method Blank	0.2
Method Blank	0.1
Method Blank	0.2
Method Blank	0.2
Method Blank	
Method Blank	
Method Blank	
Method Blank	
Method Blank	
Method Blank	
Method Blank	

Quality Analysis ... *Innovative Technologies*

Date Submitted: 25-Aug-17
Invoice No.: A17-09176
Invoice Date: 29-Nov-17
Your Reference: SG17-1230 39083 TRUE NORTH NICKEL

Techni-Lab Abitibi Inc.(Actlabs)
184 Rue Principale
Ste-Germaine-Boule Quebec J0Z 1M0
Canada

ATTN: Andre Caouette

CERTIFICATE OF ANALYSIS

220 Pulp samples were submitted for analysis.

The following analytical package(s) were requested: Code UT-4M Total Digestion ICP/MS

REPORT **A17-09176**

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:

Any values for Au are for informational purposes and should be checked by fire assay code 1A2

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
41 Bittern Street, Ancaster, Ontario, Canada, L9G 4V5
TELEPHONE +905 648-9611 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Ancaster@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Te	As	Cu	Pb	Zn	Al	Ag	As	Au	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Cs	Fe	Hf	K	La
Unit Symbol	ppm	%	%	%	%	%	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm
Lower Limit	0.1	0.01	0.005	0.01	0.01	0.01	0.1	1	100	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.1	0.01	0.1	0.01	0.1
Method Code	TD-MS	FUS-Na2O2	FUS-Na2O2	FUS-Na2O2	FUS-Na2O2	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
409656	< 0.1					6.55	0.2	< 1	< 100	393	< 1	0.2	2.73	< 0.1	31	25.2	61	306	3.5	11.2	2.1	0.99	14.9
409657	< 0.1					6.59	0.2	249	< 100	254	< 1	1.0	3.39	0.6	37	28.8	65	381	1.5	13.6	2.4	0.86	17.3
409658	0.3	2.41			1.24	4.09	0.5	> 10000	1600	99	< 1	5.6	8.98	73.8	23	40.8	60	487	0.4	11.9	0.8	0.50	11.1
409659	0.2					5.07	0.5	2740	< 100	170	< 1	1.9	5.61	27.4	19	21.7	91	467	1.0	10.7	1.1	0.82	8.8
409660	0.1					5.74	0.4	3830	100	200	< 1	1.9	6.44	18.6	23	26.2	92	477	1.0	11.3	1.1	1.04	10.8
409661	0.2					3.26	0.4	81	< 100	117	< 1	0.8	4.96	12.2	18	36.6	144	695	0.4	8.63	0.9	0.43	8.4
409662	< 0.1					7.09	< 0.1	5	< 100	371	< 1	< 0.1	5.28	0.1	22	47.7	924	63.3	0.6	6.38	2.5	0.62	11.7
409663	< 0.1					5.92	< 0.1	6	< 100	158	< 1	< 0.1	5.74	< 0.1	19	60.0	1190	69.2	0.5	6.67	2.2	0.31	10.0
409664	< 0.1					6.20	< 0.1	2	< 100	113	< 1	0.4	7.92	< 0.1	21	27.1	80	115	0.2	8.69	1.2	0.46	8.4
409665	< 0.1					7.58	< 0.1	6	< 100	372	< 1	0.1	4.61	0.3	29	17.9	75	33.8	1.0	5.61	1.5	1.28	14.0
409666	< 0.1					3.42	< 0.1	291	< 100	17	< 1	0.4	7.60	< 0.1	14	102	398	11.0	0.4	5.42	0.6	0.14	6.8
409667	< 0.1					8.81	< 0.1	4	< 100	281	< 1	0.3	5.91	< 0.1	28	40.8	55	119	0.5	10.2	0.6	1.22	13.3
409668	< 0.1					7.06	< 0.1	< 1	< 100	225	1	0.2	4.30	< 0.1	49	14.2	91	44.7	0.4	5.62	4.8	0.56	23.4
409669	< 0.1					8.48	< 0.1	< 1	< 100	294	< 1	0.3	4.16	< 0.1	33	24.7	77	115	1.3	8.06	2.8	1.00	15.3
409670	0.2					5.31	1.1	4	1200	57	< 1	6.5	3.36	< 0.1	18	17.3	38	4730	228	22.7	< 0.1	1.48	10.1
409671	< 0.1					8.03	< 0.1	18	< 100	275	< 1	0.7	2.63	< 0.1	21	23.3	50	66.6	0.7	9.62	1.1	0.84	10.0
409672	< 0.1					8.18	< 0.1	3	< 100	249	< 1	0.4	5.98	< 0.1	19	26.1	68	23.8	0.8	8.25	1.0	0.99	9.0
409673	< 0.1					8.78	0.2	639	< 100	127	< 1	3.7	2.91	< 0.1	28	108	79	473	0.7	14.1	1.4	1.13	13.8
409674	< 0.1					9.14	< 0.1	1	< 100	415	< 1	0.8	2.13	< 0.1	20	20.7	44	119	0.7	11.8	1.3	1.41	9.6
409675	< 0.1					6.66	0.1	1	< 100	364	< 1	0.7	1.94	< 0.1	12	23.8	61	181	0.7	13.5	1.7	0.68	4.3
409676	< 0.1					8.13	< 0.1	< 1	< 100	351	< 1	0.5	2.47	< 0.1	16	24.0	65	116	1.7	11.5	1.6	0.82	6.4
409677	< 0.1					7.81	0.2	379	< 100	285	< 1	1.6	3.02	< 0.1	25	25.6	71	213	1.3	12.7	1.9	1.06	12.3
409678	< 0.1					6.39	0.1	69	< 100	129	< 1	3.5	4.13	< 0.1	21	22.0	71	116	1.0	12.7	1.9	0.86	10.6
409679	< 0.1					7.68	< 0.1	324	100	432	< 1	15.8	2.77	< 0.1	28	21.1	59	62.8	1.5	8.70	2.1	1.70	13.9
409680	< 0.1					6.36	< 0.1	2	< 100	370	< 1	< 0.1	1.56	< 0.1	16	5.0	77	8.1	0.7	1.32	1.2	1.14	8.4
409681	< 0.1					7.62	< 0.1	36	< 100	357	< 1	0.7	3.36	< 0.1	18	28.4	47	70.8	1.4	10.0	0.6	1.72	9.1
409682	< 0.1					8.50	< 0.1	76	< 100	304	< 1	2.0	2.21	< 0.1	28	31.8	62	127	1.0	13.9	0.9	1.20	13.7
409683	< 0.1					6.45	1.3	159	700	75	< 1	95.4	1.62	< 0.1	40	133	71	2730	0.5	17.3	1.8	1.32	19.2
409684	< 0.1					8.37	< 0.1	1	< 100	426	< 1	0.8	4.94	0.3	39	24.1	58	38.4	0.5	9.04	1.4	1.34	18.4
409685	< 0.1					7.00	< 0.1	2	< 100	228	< 1	0.5	5.49	< 0.1	25	28.6	69	167	1.2	8.59	2.0	0.57	10.6
409686	3.6	1.23				2.51	1.8	> 10000	1000	21	< 1	10.6	1.03	0.2	38	2060	52	3210	0.3	36.2	1.3	1.13	18.8
409687	< 0.1					5.86	0.2	3	< 100	174	< 1	0.8	1.29	< 0.1	39	78.0	91	602	4.1	13.3	2.7	1.53	19.5
409688	< 0.1					7.26	0.4	2	< 100	354	< 1	1.2	2.62	0.1	43	48.0	73	994	3.9	12.8	1.8	2.23	21.2
409689	< 0.1					7.52	< 0.1	9	< 100	383	< 1	0.3	4.11	< 0.1	39	36.9	57	179	3.0	9.99	1.3	2.35	18.5
409690	< 0.1					7.29	0.1	2	< 100	372	< 1	0.3	4.85	< 0.1	40	35.7	54	291	2.6	10.3	1.4	2.44	18.6
409691	< 0.1		2.19			6.48	18.6	35	900	118	< 1	2.2	4.51	2.3	40	116	54	> 10000	2.6	15.2	1.9	2.21	18.9
409692	0.4		3.06	0.61	2.37	4.04	42.9	93	1100	20	< 1	21.9	1.44	126	25	262	26	> 10000	1.1	15.2	3.3	0.89	11.8
409693	< 0.1					6.63	0.5	452	300	269	< 1	1.0	5.51	< 0.1	54	99.7	50	778	1.7	12.5	2.5	1.79	26.7
409694	< 0.1					7.75	0.2	< 1	< 100	174	< 1	1.0	3.30	0.1	29	49.8	61	196	1.1	11.9	1.5	0.82	14.1
409695	< 0.1					5.96	< 0.1	< 1	< 100	51	< 1	< 0.1	6.30	< 0.1	17	64.3	1380	53.0	0.4	6.67	2.0	0.22	8.2
409696	< 0.1					9.23	< 0.1	16	< 100	564	< 1	0.2	3.64	< 0.1	28	33.5	56	264	0.5	7.38	1.8	1.48	13.3

Analyte Symbol	Te	As	Cu	Pb	Zn	Al	Ag	As	Au	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Cs	Fe	Hf	K	La
Unit Symbol	ppm	%	%	%	%	%	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm
Lower Limit	0.1	0.01	0.005	0.01	0.01	0.01	0.1	1	100	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.1	0.01	0.1	0.01	0.1
Method Code	TD-MS	FUS-Na2O2	FUS-Na2O2	FUS-Na2O2	FUS-Na2O2	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
409697	< 0.1					7.23	< 0.1	44	< 100	271	< 1	0.4	7.08	< 0.1	30	30.6	48	248	0.8	11.0	1.9	1.54	14.3
409698	< 0.1					7.63	< 0.1	1	< 100	205	1	0.4	6.77	< 0.1	53	44.8	69	169	0.2	11.2	2.2	0.60	26.0
409699	< 0.1					7.94	0.1	< 1	< 100	260	1	0.3	5.69	< 0.1	45	32.3	56	102	0.2	9.58	1.4	0.78	20.3
409700	0.3					6.12	1.3	4	1300	72	< 1	6.9	3.67	< 0.1	17	17.5	42	4770	47.6	24.3	1.5	2.59	9.4
409701	< 0.1					8.66	< 0.1	8	600	164	1	0.2	6.55	< 0.1	77	38.4	111	214	0.2	10.2	2.5	0.56	37.1
409702	< 0.1					7.84	0.2	2	< 100	318	1	0.2	8.98	< 0.1	46	42.8	90	237	0.2	9.27	1.5	0.98	22.1
409703	< 0.1					6.29	0.1	377	< 100	180	< 1	0.2	7.77	< 0.1	33	35.8	72	157	0.8	9.32	2.0	0.75	14.3
409704	< 0.1					5.86	< 0.1	23	< 100	97	< 1	0.1	9.36	0.2	132	55.0	193	207	0.9	7.43	1.6	0.41	54.6
409705	0.2					8.20	< 0.1	58	< 100	334	< 1	0.6	3.88	< 0.1	26	54.7	114	173	0.5	6.66	2.4	1.31	11.7
409706	< 0.1					7.63	< 0.1	40	< 100	388	< 1	1.0	3.53	< 0.1	39	35.7	64	202	0.6	11.0	1.4	1.70	18.6
409707	< 0.1					6.58	< 0.1	< 1	< 100	264	1	0.4	5.42	< 0.1	41	60.4	60	139	0.3	9.69	1.5	0.89	19.1
409708	< 0.1					6.48	< 0.1	< 1	< 100	405	< 1	< 0.1	6.18	0.2	38	25.4	43	52.7	0.5	7.25	0.9	1.49	17.9
409709	< 0.1					7.41	< 0.1	8	< 100	162	< 1	0.2	7.61	< 0.1	41	29.5	55	116	0.2	6.48	1.4	0.53	20.0
409710	< 0.1					5.60	< 0.1	< 1	< 100	386	1	< 0.1	1.58	< 0.1	14	5.6	91	7.5	0.7	1.39	1.5	1.16	6.9
409711	< 0.1					6.40	< 0.1	< 1	< 100	253	< 1	0.1	6.62	< 0.1	53	32.7	75	20.4	0.3	6.70	2.3	0.75	24.2
409712	< 0.1					7.39	< 0.1	35	< 100	282	1	0.1	5.01	< 0.1	41	19.4	52	35.0	1.9	8.21	3.6	1.08	19.5
409713	< 0.1					5.68	< 0.1	5	< 100	349	< 1	0.2	3.43	< 0.1	31	25.9	68	213	0.3	10.6	4.3	0.72	11.0
409714	< 0.1					7.15	< 0.1	< 1	< 100	283	1	0.1	4.43	< 0.1	54	22.2	47	36.0	0.6	9.29	3.2	1.08	26.2
409715	< 0.1					7.05	0.3	< 1	100	94	< 1	0.5	2.33	0.2	63	33.4	66	1630	0.6	13.7	4.4	1.07	31.2
409716	< 0.1					8.72	< 0.1	2	< 100	409	< 1	< 0.1	4.11	< 0.1	10	17.6	62	8.6	0.7	5.50	0.3	1.91	4.6
409717	< 0.1					6.74	0.6	< 1	< 100	52	< 1	0.5	2.52	< 0.1	51	35.8	49	560	1.1	15.5	3.3	1.13	23.5
409718	< 0.1					7.37	< 0.1	< 1	< 100	506	1	0.2	4.50	< 0.1	64	22.5	135	109	0.7	8.07	3.4	1.34	32.4
409719	< 0.1					6.25	< 0.1	1	< 100	320	< 1	< 0.1	4.84	< 0.1	25	46.3	502	61.1	0.6	5.48	2.2	0.85	13.2
409720	< 0.1					6.71	< 0.1	< 1	< 100	361	< 1	< 0.1	5.11	< 0.1	24	46.6	477	52.5	0.6	5.52	2.2	0.84	12.3
409721	< 0.1					9.27	< 0.1	< 1	< 100	365	< 1	0.1	4.05	< 0.1	13	20.9	80	18.6	0.5	7.45	1.0	1.37	6.0
409722	< 0.1					5.98	0.6	< 1	< 100	36	< 1	1.6	1.73	0.2	75	75.0	58	2060	0.5	18.9	3.7	1.31	36.1
409723	< 0.1					8.83	< 0.1	1	< 100	298	1	0.8	3.82	0.4	57	22.4	51	39.5	0.4	11.4	3.1	1.20	27.3
409724	< 0.1					5.77	< 0.1	25	< 100	231	< 1	0.5	1.47	1.0	39	19.8	48	250	0.3	14.1	5.5	0.65	16.6
409725	< 0.1					7.33	< 0.1	12	< 100	209	1	< 0.1	5.67	0.2	56	35.3	111	100	0.5	7.85	3.7	0.76	27.3
409726	< 0.1					7.17	0.6	5	< 100	238	< 1	0.2	4.43	< 0.1	15	33.1	77	471	0.2	7.17	1.6	0.83	6.8
409727	< 0.1					8.11	< 0.1	< 1	< 100	449	< 1	0.2	4.10	< 0.1	40	33.2	58	109	0.4	11.0	0.7	1.48	18.6
409728	< 0.1					7.55	< 0.1	21	< 100	277	< 1	0.7	3.92	< 0.1	33	30.5	47	173	0.9	11.3	1.4	1.21	15.8
409729	< 0.1					7.72	1.8	60	< 100	270	< 1	1.2	3.92	< 0.1	30	30.9	108	154	1.0	11.5	1.5	1.01	14.2
409730	0.3					6.23	1.2	3	1300	71	< 1	6.8	3.53	0.2	18	17.2	35	4590	93.1	22.8	1.4	2.26	10.3
409731	< 0.1					7.79	0.1	19	< 100	362	< 1	0.4	7.55	< 0.1	24	31.4	103	147	1.3	6.26	0.9	2.12	12.7
409732	< 0.1					6.96	< 0.1	37	< 100	264	< 1	0.1	6.13	< 0.1	27	29.8	93	20.1	1.5	7.16	0.9	1.79	13.0
409733	< 0.1					7.10	0.1	3	< 100	244	< 1	0.1	3.81	0.5	12	34.5	54	205	0.7	8.21	2.0	0.64	5.6
409734	< 0.1					7.07	< 0.1	2	< 100	416	< 1	< 0.1	4.09	0.1	13	38.1	43	128	0.5	7.90	1.5	0.93	5.7
409735	< 0.1					7.05	< 0.1	< 1	< 100	317	< 1	0.4	3.57	0.1	14	44.7	41	140	0.4	9.91	2.4	0.94	6.1
409736	< 0.1					6.84	< 0.1	3	< 100	568	< 1	< 0.1	5.18	0.1	15	32.4	30	44.0	0.6	7.28	1.4	1.64	7.4
409737	< 0.1					7.37	< 0.1	8	< 100	336	< 1	0.1	3.39	0.2	12	37.4	32	120	0.3	8.22	2.0	0.85	5.6
409738	< 0.1					8.19	< 0.1	5	< 100	336	< 1	0.2	4.20	0.1	14	42.2	38	133	0.5	9.41	2.5	1.10	6.3

Analyte Symbol	Te	As	Cu	Pb	Zn	Al	Ag	As	Au	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Cs	Fe	Hf	K	La
Unit Symbol	ppm	%	%	%	%	%	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm
Lower Limit	0.1	0.01	0.005	0.01	0.01	0.01	0.1	1	100	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.1	0.01	0.1	0.01	0.1
Method Code	TD-MS	FUS-Na2O2	FUS-Na2O2	FUS-Na2O2	FUS-Na2O2	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
409739	< 0.1					7.53	< 0.1	2	< 100	247	< 1	0.1	4.08	0.2	13	36.2	95	67.6	0.4	8.06	2.2	0.82	5.7
409740	< 0.1					6.32	< 0.1	< 1	< 100	371	1	< 0.1	1.60	< 0.1	17	5.7	153	9.6	0.7	1.44	1.2	1.20	8.9
409741	< 0.1					6.51	< 0.1	4	< 100	158	< 1	0.5	4.40	< 0.1	11	40.6	40	99.5	0.4	9.45	2.2	0.56	4.7
409742	< 0.1					7.59	< 0.1	8	< 100	180	< 1	0.1	4.17	0.2	13	38.0	47	57.0	0.3	8.12	1.7	0.58	5.7
409743	< 0.1					7.23	< 0.1	2	< 100	234	< 1	0.2	4.76	0.1	15	36.7	55	69.8	2.2	7.27	1.9	0.51	7.1
409744	< 0.1					6.16	< 0.1	10	< 100	308	1	0.2	3.65	0.2	33	18.3	126	120	0.5	5.04	3.7	0.67	17.7
409745	< 0.1					6.07	< 0.1	40	< 100	529	2	0.4	1.85	0.1	38	6.0	127	66.8	0.6	2.32	5.4	1.37	19.2
409746	< 0.1					5.66	< 0.1	15	< 100	573	2	1.0	1.42	< 0.1	35	3.8	88	52.4	0.6	1.77	5.1	1.98	17.1
409747	< 0.1					4.82	< 0.1	35	< 100	592	2	0.4	1.47	0.2	42	4.7	99	56.5	0.8	1.75	5.5	1.59	23.1
409748	< 0.1					5.97	< 0.1	19	< 100	657	2	0.2	1.53	< 0.1	43	4.4	111	32.4	0.8	2.10	6.1	2.57	20.4
409749	< 0.1					4.52	0.2	171	< 100	469	2	0.2	0.80	< 0.1	22	1.6	109	68.5	0.4	0.80	3.0	1.48	11.6
409750	0.5		3.01	0.61	2.38	4.10	41.5	91	1000	31	< 1	20.3	1.36	124	25	262	26	> 10000	1.1	15.0	3.1	0.82	11.8
409751	< 0.1					4.50	0.1	179	< 100	499	2	0.3	0.73	< 0.1	15	1.5	84	61.3	0.3	0.72	2.8	1.35	7.4
409752	< 0.1					3.73	0.1	51	< 100	464	2	0.2	0.75	< 0.1	15	1.1	127	68.3	0.3	0.67	2.6	1.05	7.3
409753	< 0.1					4.73	< 0.1	61	< 100	600	2	0.2	0.70	< 0.1	22	0.9	103	55.9	0.3	0.73	2.9	1.35	11.6
409754	< 0.1					5.21	0.2	35	< 100	752	2	0.2	0.62	0.1	20	0.7	96	73.3	0.3	0.62	3.3	1.95	9.9
409755	0.2					4.68	0.2	95	100	634	2	0.2	0.65	0.1	22	1.0	87	71.9	0.2	0.59	3.0	1.72	11.5
409756	< 0.1					4.41	0.1	126	< 100	556	2	0.1	0.72	< 0.1	20	0.9	86	66.1	0.3	0.76	2.8	1.85	10.5
409757	< 0.1					4.15	0.2	239	< 100	537	2	0.4	0.69	0.2	16	1.5	93	78.2	0.3	0.74	2.6	1.83	8.3
409758	< 0.1					3.64	0.3	172	< 100	518	2	1.1	0.79	< 0.1	19	2.2	88	58.8	0.4	0.77	2.9	1.84	9.4
409759	< 0.1					3.35	0.1	170	< 100	501	2	0.2	0.69	< 0.1	17	1.9	91	63.8	0.2	0.75	2.7	1.63	9.0
409760	< 0.1					3.42	0.2	93	< 100	536	2	0.2	0.71	< 0.1	13	2.5	107	60.0	0.2	0.72	2.7	1.85	6.6
409761	< 0.1					3.74	< 0.1	207	< 100	534	2	0.1	0.64	< 0.1	15	0.7	90	54.0	0.3	0.73	2.9	2.36	7.5
409762	< 0.1					4.23	0.5	53	< 100	524	2	1.2	0.69	< 0.1	14	1.2	89	50.0	0.4	0.81	3.0	1.94	6.8
409763	< 0.1					3.77	0.8	156	< 100	421	2	0.3	0.60	0.2	11	0.8	115	27.6	0.4	0.72	2.8	1.11	4.6
409764	< 0.1					5.65	0.1	328	< 100	581	2	0.1	0.73	< 0.1	24	1.0	110	65.0	0.3	0.81	3.1	1.64	12.5
409765	< 0.1					4.95	0.1	208	100	532	2	0.1	0.76	< 0.1	17	1.9	91	78.9	0.3	0.80	3.0	1.31	8.0
409766	< 0.1					5.11	0.1	647	< 100	515	2	0.2	0.76	< 0.1	25	1.1	78	48.7	0.3	0.85	2.9	1.90	13.4
409767	< 0.1					4.29	0.1	116	< 100	428	2	0.2	0.73	< 0.1	18	0.9	90	60.4	0.3	0.72	2.6	1.52	9.3
409768	< 0.1					4.51	0.1	294	< 100	560	2	0.2	0.69	< 0.1	14	0.9	83	81.0	0.3	0.78	2.9	2.01	7.0
409769	< 0.1					3.94	0.1	64	< 100	578	2	< 0.1	0.72	< 0.1	16	1.2	80	49.8	0.4	0.89	3.0	1.73	8.1
409770	< 0.1					5.86	< 0.1	< 1	< 100	371	< 1	< 0.1	1.63	< 0.1	16	5.7	145	17.4	0.7	1.52	1.4	1.27	8.4
409771	< 0.1					4.28	0.4	429	< 100	521	2	0.2	0.81	< 0.1	20	3.1	88	39.5	0.3	0.91	3.1	2.21	10.1
409772	< 0.1					5.46	0.4	91	< 100	579	2	0.3	0.80	< 0.1	26	1.1	94	61.9	0.3	0.85	3.3	1.68	13.5
409773	0.1					5.26	0.1	174	500	555	2	0.4	0.86	< 0.1	27	0.9	88	52.0	0.3	0.87	3.2	1.65	14.4
409774	< 0.1					5.71	< 0.1	97	< 100	601	2	0.2	0.71	< 0.1	26	0.6	76	45.7	0.4	0.87	3.1	1.92	14.2
409775	< 0.1					4.57	0.1	218	< 100	552	2	0.3	0.71	< 0.1	25	0.6	89	54.7	0.2	0.88	3.1	2.11	13.2
409776	< 0.1					4.14	0.3	876	< 100	475	2	0.3	0.65	< 0.1	19	0.7	84	49.9	0.2	0.84	2.8	1.52	9.9
409777	< 0.1					3.91	0.2	70	< 100	542	2	0.3	0.68	< 0.1	20	0.7	86	50.5	0.2	0.82	3.0	1.85	10.4
409778	< 0.1					3.98	0.2	480	300	553	2	0.3	0.64	< 0.1	20	0.6	72	54.8	0.2	0.84	3.0	1.95	10.5
409779	< 0.1					4.87	0.2	810	100	452	2	0.5	0.86	< 0.1	23	1.7	91	53.9	0.3	0.81	3.2	1.74	12.1

Analyte Symbol	Te	As	Cu	Pb	Zn	Al	Ag	As	Au	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Cs	Fe	Hf	K	La
Unit Symbol	ppm	%	%	%	%	%	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm
Lower Limit	0.1	0.01	0.005	0.01	0.01	0.01	0.1	1	100	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.1	0.01	0.1	0.01	0.1
Method Code	TD-MS	FUS-Na2O2	FUS-Na2O2	FUS-Na2O2	FUS-Na2O2	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
409780	3.4					4.62	8.5	11	> 2000	298	< 1	< 0.1	3.67	0.3	20	10.0	22	59.0	3.7	2.86	1.9	1.21	10.3
409781	< 0.1					4.69	0.1	46	< 100	394	1	0.3	0.64	0.2	19	1.2	81	45.8	0.2	0.68	2.6	1.18	10.0
409782	< 0.1					4.51	0.2	68	< 100	493	2	0.4	0.66	0.2	22	0.9	83	49.1	0.2	0.87	3.0	1.20	11.5
409783	< 0.1					6.49	< 0.1	18	< 100	380	< 1	0.4	4.05	0.1	13	36.6	52	95.2	0.7	7.11	1.1	1.19	6.2
409784	< 0.1					6.34	< 0.1	20	200	365	< 1	0.3	4.77	0.1	13	40.3	37	54.7	0.8	8.36	2.1	0.97	6.0
409785	< 0.1					5.83	< 0.1	135	< 100	251	< 1	0.3	5.51	0.1	11	34.0	38	76.5	0.4	7.05	1.8	0.47	5.3
409786	< 0.1					6.21	< 0.1	6	< 100	169	< 1	0.1	4.97	0.1	12	37.4	64	59.5	0.4	8.25	2.0	0.61	5.6
409787	< 0.1					7.33	0.1	2	1200	127	< 1	0.1	5.15	0.1	12	39.4	91	52.6	0.3	9.50	1.9	0.39	5.4
409788	< 0.1					6.66	< 0.1	3	< 100	61	< 1	< 0.1	6.49	0.1	12	37.2	83	53.5	0.1	8.62	1.8	0.17	5.7
409789	< 0.1					6.43	< 0.1	15	< 100	107	< 1	0.1	5.55	< 0.1	12	37.4	40	103	0.2	7.97	1.2	0.27	5.4
409790	< 0.1					6.52	< 0.1	19	< 100	82	< 1	0.1	5.05	< 0.1	11	36.8	48	76.3	0.2	7.32	2.0	0.22	4.8
409791	< 0.1					5.57	< 0.1	141	< 100	378	< 1	0.5	5.22	0.2	16	32.8	55	90.2	1.5	6.50	2.1	1.51	7.6
409792	< 0.1					6.40	< 0.1	5	200	104	< 1	0.2	9.19	0.1	11	29.9	77	74.3	0.2	7.69	0.7	0.31	4.8
409793	< 0.1					6.41	< 0.1	4	< 100	45	< 1	0.2	9.93	< 0.1	12	50.0	92	131	< 0.1	7.08	1.5	0.13	5.7
409794	< 0.1					5.75	< 0.1	3	< 100	88	< 1	0.2	7.36	< 0.1	11	33.8	76	103	0.2	5.82	0.8	0.30	5.1
409795	< 0.1					6.74	< 0.1	2	< 100	110	< 1	< 0.1	6.08	0.1	12	36.5	68	59.9	0.2	8.41	1.9	0.32	5.6
409796	< 0.1					6.31	< 0.1	1	< 100	192	< 1	< 0.1	5.10	< 0.1	25	28.5	71	45.1	0.3	6.68	2.7	0.52	13.1
409797	< 0.1					6.59	< 0.1	1	< 100	390	1	< 0.1	3.16	< 0.1	25	20.5	84	32.4	0.4	4.87	3.2	1.72	12.5
409798	< 0.1					6.80	< 0.1	1	< 100	133	< 1	< 0.1	5.50	< 0.1	12	36.6	67	48.3	0.3	8.03	1.8	0.35	5.5
409799	< 0.1					6.71	0.1	3	< 100	96	< 1	0.1	7.11	< 0.1	13	45.4	64	259	0.3	10.6	1.9	0.35	6.1
409800	< 0.1					5.86	< 0.1	< 1	< 100	374	< 1	< 0.1	1.63	< 0.1	16	5.8	137	10.7	0.7	1.54	1.4	1.28	8.6
409801	< 0.1					6.44	< 0.1	< 1	< 100	153	< 1	< 0.1	5.57	< 0.1	25	27.2	75	39.9	0.2	6.47	1.3	0.34	12.7
409802	< 0.1					6.58	< 0.1	< 1	< 100	95	< 1	< 0.1	7.83	0.2	13	36.4	80	43.6	0.2	7.69	1.3	0.27	5.8
409803	< 0.1					6.12	< 0.1	< 1	< 100	46	< 1	< 0.1	10.4	0.1	11	30.0	62	29.4	< 0.1	6.46	1.5	0.14	5.2
409804	< 0.1					7.27	< 0.1	3	< 100	40	< 1	< 0.1	10.9	< 0.1	12	32.9	53	37.9	< 0.1	7.53	1.6	0.14	5.6
409805	< 0.1					6.58	< 0.1	2	< 100	464	1	< 0.1	8.22	< 0.1	35	39.4	152	70.0	0.3	7.68	2.5	0.69	16.7
409806	< 0.1					8.93	< 0.1	< 1	< 100	285	< 1	< 0.1	3.69	< 0.1	11	18.3	74	27.4	0.4	5.73	0.8	1.74	5.1
409807	< 0.1					7.72	< 0.1	7	< 100	174	< 1	< 0.1	5.91	< 0.1	44	29.3	45	156	0.2	8.24	1.5	0.61	21.5
409808	< 0.1					6.99	< 0.1	6	< 100	348	< 1	0.3	4.75	0.2	46	28.0	100	548	0.2	9.88	1.4	1.07	22.8
409809	< 0.1					6.27	< 0.1	4	< 100	267	< 1	0.3	4.06	< 0.1	40	26.8	82	226	0.2	12.1	4.0	0.67	16.0
409810	0.2					5.62	1.1	3	1200	66	< 1	6.1	3.38	< 0.1	17	16.3	36	4490	191	21.8	< 0.1	2.42	9.5
409811	< 0.1					7.73	< 0.1	1	< 100	193	< 1	0.3	4.40	< 0.1	35	33.6	59	129	0.8	13.4	1.5	1.36	17.1
409812	< 0.1					6.55	0.3	8	< 100	49	< 1	1.4	3.85	0.3	42	105	32	433	0.4	18.5	2.5	1.64	19.4
409813	< 0.1					7.86	< 0.1	54	< 100	167	< 1	0.7	4.31	0.3	55	33.7	46	342	0.3	12.1	1.5	1.23	26.4
409814	< 0.1					7.39	< 0.1	4	< 100	384	1	0.2	6.45	< 0.1	51	31.4	54	99.4	0.3	9.10	2.2	1.15	24.9
409815	< 0.1					7.61	< 0.1	252	< 100	155	1	0.2	7.80	0.4	58	30.1	93	119	0.6	8.43	2.4	0.82	27.0
409816	< 0.1					8.02	< 0.1	6	< 100	168	1	0.3	8.53	< 0.1	45	35.3	69	128	0.2	9.24	1.7	0.78	21.3
409817	0.2					8.33	< 0.1	1	< 100	247	< 1	1.0	3.07	< 0.1	19	38.7	80	215	0.6	8.81	2.1	1.68	8.8
409818	< 0.1					8.22	< 0.1	< 1	< 100	361	< 1	1.2	3.59	< 0.1	40	32.6	68	149	0.6	10.4	1.6	1.58	19.0
409819	< 0.1					7.31	< 0.1	3	< 100	366	< 1	0.1	5.12	< 0.1	40	46.9	70	251	0.3	10.6	1.3	1.19	18.9
409820	< 0.1					5.24	< 0.1	< 1	< 100	355	< 1	< 0.1	1.63	< 0.1	12	5.4	140	22.4	0.7	1.46	1.5	1.23	5.8
409821	< 0.1					7.92	< 0.1	6	< 100	92	< 1	0.3	5.56	< 0.1	43	32.5	66	191	0.4	11.3	1.1	0.28	20.3

Analyte Symbol	Te	As	Cu	Pb	Zn	Al	Ag	As	Au	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Cs	Fe	Hf	K	La
Unit Symbol	ppm	%	%	%	%	%	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm
Lower Limit	0.1	0.01	0.005	0.01	0.01	0.01	0.1	1	100	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.1	0.01	0.1	0.01	0.1
Method Code	TD-MS	FUS-Na2O2	FUS-Na2O2	FUS-Na2O2	FUS-Na2O2	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
409822	< 0.1					7.18	0.3	2	< 100	112	< 1	0.4	4.10	0.1	42	46.9	74	647	0.6	15.8	2.3	1.07	19.5
409823	0.5					6.02	1.9	1770	< 100	28	< 1	0.8	4.98	< 0.1	17	1280	56	1240	0.6	15.0	0.7	1.01	7.8
409824	< 0.1					7.73	< 0.1	1	< 100	430	1	< 0.1	3.47	< 0.1	42	22.7	134	91.4	0.2	4.98	3.1	0.67	21.5
409825	< 0.1					4.30	< 0.1	4	< 100	112	< 1	0.1	7.59	< 0.1	10	75.5	607	90.9	0.3	8.39	1.5	0.46	4.3
409826	< 0.1					8.54	< 0.1	2	< 100	219	< 1	< 0.1	5.66	< 0.1	33	30.7	58	27.4	0.6	5.73	2.6	0.72	16.4
409827	< 0.1					9.14	< 0.1	2	< 100	283	< 1	< 0.1	5.15	< 0.1	35	32.1	46	20.3	0.9	5.78	2.9	0.70	17.3
409828	< 0.1					4.85	< 0.1	2	< 100	116	< 1	< 0.1	5.01	< 0.1	7	59.4	728	41.6	0.6	7.34	1.5	0.24	3.0
409829	< 0.1					3.90	< 0.1	4	< 100	15	< 1	< 0.1	8.33	< 0.1	5	59.0	837	92.6	0.9	7.51	1.2	0.14	1.9
409830	< 0.1					4.50	0.6	161	400	90	< 1	5.8	3.60	< 0.1	82	386	39	5820	0.6	19.6	3.4	2.65	75.1
409831	< 0.1					4.79	< 0.1	6	< 100	42	< 1	< 0.1	7.75	< 0.1	13	72.9	1390	90.6	0.6	8.14	1.8	0.10	5.5
409832	< 0.1					5.51	< 0.1	< 1	< 100	392	< 1	< 0.1	5.37	< 0.1	27	53.0	980	40.6	2.0	7.93	1.9	1.01	12.2
409833	< 0.1					4.65	< 0.1	< 1	< 100	89	< 1	< 0.1	6.52	< 0.1	7	78.5	847	27.2	1.3	7.99	1.3	0.56	3.0
409834	< 0.1					6.39	< 0.1	< 1	< 100	640	< 1	< 0.1	6.01	< 0.1	9	57.1	521	33.8	2.0	6.63	1.3	1.27	4.2
409835	< 0.1					5.25	< 0.1	< 1	100	74	< 1	< 0.1	7.90	< 0.1	7	79.5	876	65.9	0.9	8.20	1.3	0.24	2.6
409836	< 0.1					4.55	< 0.1	< 1	< 100	5	< 1	< 0.1	7.04	< 0.1	5	68.4	841	62.2	0.6	7.31	1.2	0.07	2.0
409837	< 0.1					4.93	< 0.1	< 1	< 100	26	< 1	< 0.1	6.19	< 0.1	6	72.9	945	82.5	0.6	7.76	1.3	0.15	2.3
409838	< 0.1					6.86	< 0.1	3	< 100	694	< 1	< 0.1	4.85	< 0.1	12	107	354	64.6	1.1	7.10	0.8	0.76	5.2
409839	< 0.1					4.32	< 0.1	< 1	< 100	69	< 1	< 0.1	5.23	< 0.1	8	59.3	812	56.1	0.2	6.50	1.3	0.11	3.2
409840	< 0.1					4.97	< 0.1	< 1	< 100	299	< 1	< 0.1	1.30	< 0.1	13	4.6	104	8.9	0.5	1.25	1.1	0.95	6.9
409841	< 0.1					4.42	< 0.1	< 1	200	< 1	< 1	< 0.1	5.59	< 0.1	7	75.4	1530	59.6	0.3	7.68	1.2	0.01	2.8
409842	< 0.1					7.58	< 0.1	< 1	< 100	183	< 1	< 0.1	5.62	< 0.1	49	26.9	167	49.7	0.4	5.30	1.9	0.54	26.1
409843	< 0.1					6.97	< 0.1	< 1	< 100	347	< 1	< 0.1	4.85	< 0.1	42	33.6	267	41.8	0.4	5.77	2.8	1.07	21.8
409844	< 0.1					6.74	< 0.1	< 1	< 100	387	< 1	< 0.1	5.21	< 0.1	36	40.5	335	16.8	0.4	6.28	2.3	1.22	18.5
409845	< 0.1					4.34	< 0.1	< 1	< 100	5	< 1	< 0.1	7.91	< 0.1	5	72.4	1430	5.5	0.2	7.86	1.0	0.04	2.3
409846	< 0.1					6.82	< 0.1	2	< 100	320	< 1	0.1	3.57	< 0.1	17	42.3	118	167	0.3	7.74	1.6	0.86	7.8
409847	< 0.1					6.93	< 0.1	< 1	< 100	302	< 1	< 0.1	4.31	< 0.1	15	35.1	78	94.5	0.3	8.15	1.4	1.02	6.4
409848	< 0.1					6.40	0.1	< 1	< 100	171	< 1	0.1	6.67	< 0.1	17	50.9	58	496	0.2	11.8	1.1	0.73	7.7
409849	< 0.1					6.12	0.4	14	400	147	< 1	0.4	5.42	0.1	18	55.4	56	1800	0.3	8.13	2.8	0.79	9.0
409850	< 0.1					7.31	0.4	9	200	147	< 1	0.4	5.14	< 0.1	27	58.0	50	1440	0.3	7.36	1.7	0.91	14.6
409851	< 0.1					6.90	0.4	13	> 2000	249	< 1	1.2	4.09	0.2	36	49.9	60	1500	0.5	12.8	2.5	1.27	21.7
409852	< 0.1					7.93	< 0.1	3	< 100	332	< 1	< 0.1	5.78	< 0.1	27	30.6	42	46.8	0.5	8.06	1.5	1.06	12.5
409853	< 0.1					7.49	< 0.1	2	< 100	220	1	< 0.1	5.95	< 0.1	46	29.3	57	228	0.3	8.85	2.7	0.75	22.5
409854	< 0.1					6.21	0.2	1	< 100	384	< 1	< 0.1	4.65	< 0.1	38	27.4	41	498	0.8	7.52	2.2	1.14	18.0
409855	< 0.1					6.47	< 0.1	2	< 100	334	< 1	0.1	5.40	< 0.1	36	31.2	71	283	1.5	7.46	3.0	1.94	17.0
409856	< 0.1					7.24	< 0.1	< 1	< 100	244	< 1	< 0.1	5.83	< 0.1	42	25.6	65	135	0.3	8.79	2.2	0.87	20.4
409857	< 0.1					7.12	< 0.1	7	< 100	385	< 1	< 0.1	3.41	< 0.1	28	35.8	51	284	0.4	11.0	2.6	1.00	13.0
409858	< 0.1					7.09	< 0.1	54	< 100	384	< 1	0.2	2.55	< 0.1	26	31.4	64	123	0.3	12.1	2.7	0.98	12.7
409859	< 0.1					6.99	< 0.1	< 1	< 100	337	< 1	< 0.1	5.15	< 0.1	32	30.2	294	110	0.4	6.49	3.1	0.83	14.0
409860	0.1					5.29	1.1	3	1200	64	< 1	6.0	3.24	0.2	16	16.9	40	4390	191	22.0	< 0.1	2.27	9.2
409861	< 0.1					6.76	< 0.1	< 1	< 100	372	< 1	< 0.1	4.81	< 0.1	35	31.1	78	178	0.3	7.76	1.1	0.94	16.6
409862	< 0.1					7.53	< 0.1	56	< 100	286	< 1	< 0.1	6.42	< 0.1	44	32.0	126	63.1	1.2	5.79	1.6	1.51	22.5

Analyte Symbol	Te	As	Cu	Pb	Zn	Al	Ag	As	Au	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Cs	Fe	Hf	K	La
Unit Symbol	ppm	%	%	%	%	%	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm
Lower Limit	0.1	0.01	0.005	0.01	0.01	0.01	0.1	1	100	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.1	0.01	0.1	0.01	0.1
Method Code	TD-MS	FUS-Na2O2	FUS-Na2O2	FUS-Na2O2	FUS-Na2O2	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
409863	< 0.1					7.45	< 0.1	3	< 100	435	< 1	0.1	4.59	< 0.1	40	41.8	51	606	0.5	9.98	2.2	1.20	18.7
409864	< 0.1					5.12	0.5	277	> 2000	279	< 1	0.3	5.88	< 0.1	36	31.1	57	115	1.1	6.93	0.9	1.99	19.9
409865	< 0.1					6.50	0.5	< 1	< 100	333	< 1	< 0.1	5.37	< 0.1	31	32.2	68	2.8	0.6	8.58	1.7	1.22	16.5
409866	< 0.1					6.19	< 0.1	< 1	< 100	307	< 1	< 0.1	5.41	< 0.1	26	41.0	53	74.5	0.7	11.9	2.5	1.32	13.9
409867	< 0.1					7.91	< 0.1	2	< 100	368	1	< 0.1	4.63	0.1	42	28.6	78	76.8	0.4	7.01	3.8	0.87	20.0
409868	< 0.1					6.14	< 0.1	1	< 100	205	< 1	< 0.1	7.03	< 0.1	27	31.7	75	57.7	0.2	7.55	1.0	0.59	13.3
409869	< 0.1					6.99	< 0.1	< 1	< 100	183	< 1	< 0.1	6.51	< 0.1	30	38.0	62	43.1	0.3	8.86	0.6	0.68	14.4
409870	< 0.1					5.54	< 0.1	6	< 100	344	< 1	< 0.1	1.61	< 0.1	13	5.6	168	8.1	0.7	1.51	1.5	1.11	5.8
409871	< 0.1					6.86	< 0.1	< 1	< 100	229	< 1	< 0.1	5.73	< 0.1	30	40.5	424	55.7	0.5	7.08	1.4	0.73	14.9
409872	< 0.1					8.13	< 0.1	< 1	< 100	268	< 1	< 0.1	7.12	< 0.1	32	42.6	61	35.1	0.3	9.84	0.7	0.78	16.1
409873	< 0.1					7.81	< 0.1	< 1	< 100	308	< 1	< 0.1	7.06	< 0.1	31	43.1	52	126	0.2	9.72	1.3	0.75	15.4
409874	< 0.1					8.20	< 0.1	< 1	< 100	417	1	< 0.1	5.48	< 0.1	45	34.9	45	116	0.6	9.32	3.3	1.18	21.1
409875	< 0.1					7.51	< 0.1	11	< 100	762	1	0.1	3.72	< 0.1	30	17.9	54	109	1.2	6.28	2.7	2.06	14.2

Analyte Symbol	Li	Na	Nb	Ni	P	Rb	Pb	S	Mg	Mn	Mo	Sb	Sc	Sn	Sr	Ta	Th	Ti	Tl	U	V	W	Y
Unit Symbol	ppm	%	ppm	ppm	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.001	0.1	0.1	0.001	0.1	0.1	1	0.01	1	0.1	0.1	1	0.1	1	0.1	0.1	0.001	0.05	0.1	4	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
409656	32.1	1.03	0.6	12.9	0.099	64.5	2.3	< 1	1.90	638	0.5	< 0.1	21	0.2	174	< 0.1	1.5	0.416	0.81	0.8	139	0.2	18.4
409657	21.7	0.908	5.6	15.1	0.109	40.2	2.5	< 1	1.98	1010	1.6	0.2	24	1.1	139	0.2	1.8	0.831	0.34	0.8	227	0.4	19.9
409658	14.8	0.164	1.1	9.0	0.051	14.5	3.6	3	1.97	1530	4.7	19.7	14	0.7	93	< 0.1	1.2	0.279	0.06	0.5	129	1.5	10.7
409659	16.6	0.410	6.8	15.2	0.067	25.8	2.5	2	1.46	1130	4.1	1.8	16	1.0	81	0.3	1.1	0.600	0.17	0.5	149	2.0	10.9
409660	16.8	0.517	6.9	14.5	0.068	35.0	2.8	2	1.44	1170	5.2	2.7	18	1.1	84	0.3	1.3	0.635	0.19	0.5	161	2.3	12.3
409661	7.3	0.313	4.9	14.6	0.045	15.3	2.1	3	1.24	942	9.3	0.3	11	0.8	72	0.2	0.8	0.410	0.08	0.3	98	1.1	10.4
409662	14.9	2.94	4.3	348	0.055	13.9	3.6	< 1	7.32	1130	2.8	0.6	30	0.8	186	0.3	2.3	0.446	0.08	0.8	181	0.4	13.0
409663	22.5	1.53	3.3	564	0.047	6.3	6.3	< 1	10.1	1190	1.9	0.3	28	0.6	129	0.2	2.1	0.417	< 0.05	0.7	169	0.2	12.0
409664	9.4	2.46	4.8	12.6	0.101	6.2	4.3	< 1	1.59	1650	4.1	0.8	15	1.3	420	0.3	0.6	0.800	0.08	0.8	182	0.6	21.9
409665	17.2	0.927	0.3	8.1	0.090	43.0	3.7	< 1	1.63	1230	1.5	< 0.1	14	0.6	84	< 0.1	2.3	0.396	0.38	1.0	72	< 0.1	20.4
409666	21.2	0.040	1.1	126	0.114	5.2	2.5	< 1	3.08	993	10.8	0.4	16	0.4	111	< 0.1	1.0	0.313	< 0.05	0.4	117	3.3	11.9
409667	16.4	2.13	0.1	17.1	0.087	31.0	5.0	< 1	2.20	1500	0.2	< 0.1	32	0.4	340	< 0.1	1.4	0.169	0.22	0.9	126	< 0.1	20.0
409668	8.1	2.37	3.1	6.1	0.104	16.9	4.1	< 1	1.18	1060	3.8	0.5	20	1.0	290	0.2	3.5	0.465	0.12	1.6	87	< 0.1	32.0
409669	14.8	2.51	3.3	14.4	0.108	37.2	3.9	< 1	1.79	1140	2.6	0.4	27	1.3	328	0.1	1.9	0.667	0.32	1.3	209	0.2	23.6
409670	101	0.618	0.2	15.9	0.435	709	8.4	< 1	0.60	3270	148	0.2	5	97.1	105	< 0.1	4.2	0.092	5.68	7.8	52	> 200	7.2
409671	15.8	1.73	1.7	5.2	0.067	30.2	2.2	< 1	1.88	849	2.3	0.2	21	0.7	230	< 0.1	0.9	0.489	0.25	0.5	117	0.8	14.6
409672	18.0	1.72	0.1	22.6	0.052	40.6	2.8	< 1	2.53	1320	0.3	< 0.1	28	0.2	266	< 0.1	1.2	0.284	0.31	0.6	151	0.2	14.2
409673	21.7	1.25	6.3	21.6	0.088	44.4	4.5	3	2.18	967	4.1	0.3	29	1.6	236	0.2	1.4	0.778	0.36	0.7	268	0.9	20.1
409674	23.0	2.09	2.2	15.6	0.060	49.5	3.3	< 1	2.31	945	1.7	0.1	23	1.2	199	< 0.1	0.9	0.626	0.38	0.4	232	1.0	15.1
409675	19.7	1.57	8.2	18.8	0.074	13.5	4.7	1	2.04	1130	2.9	0.7	20	1.4	231	0.5	0.5	0.865	0.38	0.5	288	6.5	10.5
409676	19.7	1.74	6.4	13.2	0.073	32.8	4.8	< 1	2.04	1390	3.3	0.1	23	1.8	223	0.3	0.7	0.784	0.45	0.4	263	2.2	13.1
409677	19.6	0.813	4.5	12.7	0.052	45.1	3.3	1	2.16	1550	3.6	0.3	21	1.4	107	0.1	2.3	0.596	0.34	1.0	178	1.2	12.2
409678	17.6	0.396	1.2	13.0	0.041	39.2	3.1	2	2.28	2230	3.5	0.5	17	1.1	68	< 0.1	3.0	0.378	0.20	1.1	128	0.2	15.8
409679	18.5	1.71	0.8	10.9	0.070	54.7	3.6	< 1	1.83	1410	2.2	0.4	16	1.0	168	< 0.1	2.6	0.402	0.34	0.8	122	0.3	14.4
409680	7.8	2.97	0.7	19.7	0.020	43.6	7.5	< 1	0.40	245	3.6	< 0.1	5	0.4	361	< 0.1	1.2	0.145	0.22	0.3	37	< 0.1	5.3
409681	22.2	0.407	0.4	10.1	0.046	66.5	2.7	< 1	2.50	2130	2.7	0.3	22	0.9	65	< 0.1	0.8	0.361	0.38	0.4	113	0.2	11.5
409682	21.9	0.613	1.0	18.0	0.082	41.1	3.9	< 1	2.79	2060	1.5	0.3	28	1.1	128	< 0.1	1.4	0.577	0.24	0.7	220	0.2	19.3
409683	16.2	0.442	1.3	24.2	0.108	36.5	5.4	5	2.11	1370	1.0	< 0.1	24	1.3	81	< 0.1	1.6	0.515	0.26	0.8	167	0.4	25.4
409684	24.5	1.70	0.1	22.9	0.109	49.1	16.6	< 1	2.26	1670	0.2	< 0.1	28	0.3	285	< 0.1	1.8	0.166	0.32	1.1	97	< 0.1	24.0
409685	16.0	1.95	3.7	21.7	0.108	15.5	3.3	< 1	1.99	1340	1.0	0.3	19	0.6	268	0.2	0.8	0.618	0.32	0.6	220	< 0.1	17.9
409686	3.7	0.290	2.9	62.5	0.014	32.0	4.1	> 10.0	0.49	303	6.0	6.1	6	0.4	36	0.2	2.4	0.112	0.19	0.8	41	0.4	10.2
409687	25.3	0.612	6.6	10.2	0.091	91.1	2.3	2	1.85	730	6.7	< 0.1	16	0.7	104	0.2	3.3	0.585	0.86	1.4	141	0.4	12.9
409688	29.0	0.846	0.6	11.7	0.104	104	2.1	< 1	2.16	998	1.1	< 0.1	23	1.0	159	< 0.1	2.7	0.430	0.83	1.2	140	< 0.1	16.2
409689	21.7	1.39	0.6	18.0	0.120	93.2	2.2	< 1	2.14	1020	0.3	< 0.1	24	1.7	299	< 0.1	1.9	0.285	0.72	0.9	103	< 0.1	23.1
409690	22.4	1.50	1.9	17.0	0.116	87.1	2.0	< 1	2.19	1080	0.5	< 0.1	25	1.7	298	< 0.1	1.8	0.390	0.66	0.9	107	< 0.1	22.9
409691	19.9	0.810	1.5	22.0	0.127	82.5	2.4	4	2.07	811	0.6	< 0.1	24	1.6	167	< 0.1	1.9	0.414	0.61	1.0	127	0.1	26.7
409692	9.4	0.432	5.1	18.2	0.052	30.7	> 5000	> 10.0	1.25	604	16.9	9.0	8	7.5	27	0.3	2.5	0.145	1.07	1.3	32	4.5	13.9
409693	20.5	0.800	3.2	15.1	0.110	64.1	2.3	< 1	2.31	800	1.2	0.5	26	1.1	141	< 0.1	1.9	0.546	0.44	1.0	157	0.2	23.7
409694	22.4	1.37	2.3	21.6	0.078	37.6	2.0	2	2.34	1290	1.8	< 0.1	23	1.1	156	< 0.1	1.9	0.633	0.19	0.7	201	< 0.1	17.9
409695	23.0	1.08	0.1	651	0.039	4.5	3.5	< 1	10.8	1220	0.7	< 0.1	29	0.1	98	< 0.1	1.7	0.254	< 0.05	0.6	155	< 0.1	11.4
409696	12.6	2.52	3.6	4.7	0.100	42.5	2.8	< 1	1.78	878	2.0	0.8	19	0.8	327	0.2	1.4	0.481	0.42	0.8	94	0.4	17.9
409697	18.7	1.72	1.0	11.9	0.105	45.2	1.7	2	2.28	1070	0.6	0.1	25	1.2	98	< 0.1	1.6	0.471	0.32	0.8	137	< 0.1	23.5

Analyte Symbol	Li	Na	Nb	Ni	P	Rb	Pb	S	Mg	Mn	Mo	Sb	Sc	Sn	Sr	Ta	Th	Ti	Tl	U	V	W	Y
Unit Symbol	ppm	%	ppm	ppm	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.001	0.1	0.1	0.001	0.1	0.1	1	0.01	1	0.1	0.1	1	0.1	1	0.1	0.1	0.001	0.05	0.1	4	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
409698	8.2	2.15	3.2	17.1	0.155	10.2	3.2	1	2.06	1510	1.6	0.5	28	2.5	332	< 0.1	2.6	0.681	0.09	1.5	145	< 0.1	34.1
409699	10.5	2.17	6.7	14.7	0.160	14.5	3.8	< 1	1.95	1390	0.9	0.5	29	2.5	388	0.1	2.5	0.566	0.12	1.4	122	< 0.1	32.3
409700	100	0.678	18.4	15.9	0.512	779	8.7	< 1	0.69	3470	273	0.4	6	110	110	< 0.1	5.3	0.162	6.04	8.2	60	> 200	7.7
409701	12.8	2.39	2.8	90.1	0.216	11.5	2.8	< 1	3.09	1460	0.9	0.6	33	2.8	506	< 0.1	3.5	0.538	0.07	1.7	143	19.2	36.9
409702	9.9	2.11	5.7	17.5	0.142	20.8	2.9	2	1.83	1370	0.7	0.3	28	1.7	374	< 0.1	2.6	0.543	0.15	1.5	106	5.9	34.2
409703	11.3	1.65	11.8	17.5	0.149	13.6	2.8	< 1	1.63	1360	2.6	2.8	22	2.4	343	0.6	1.4	1.02	0.19	0.9	259	3.8	23.3
409704	21.4	1.31	1.5	222	0.155	15.0	4.1	< 1	4.09	774	2.3	0.4	22	0.5	334	< 0.1	3.8	0.561	0.13	1.6	214	1.7	19.3
409705	14.4	2.35	5.1	62.5	0.094	38.1	3.0	< 1	2.20	531	5.2	0.5	13	0.3	321	0.2	1.2	0.553	0.28	0.6	99	1.9	8.9
409706	16.2	1.11	1.1	19.8	0.109	43.7	2.7	< 1	2.25	760	0.7	0.3	24	0.8	247	< 0.1	1.9	0.443	0.31	0.8	109	1.0	22.6
409707	9.2	1.61	0.5	17.6	0.135	19.5	3.3	< 1	1.88	1240	0.4	0.3	28	2.0	315	< 0.1	2.1	0.359	0.15	0.9	97	0.7	25.1
409708	22.0	1.56	0.1	14.6	0.111	45.8	1.6	< 1	1.83	1050	0.1	< 0.1	24	0.3	177	< 0.1	1.9	0.176	0.28	0.8	56	0.5	22.6
409709	6.7	2.29	0.8	14.9	0.115	7.5	3.1	< 1	1.30	875	0.4	0.6	27	0.6	572	< 0.1	2.1	0.306	< 0.05	0.9	110	0.4	25.3
409710	7.7	2.97	1.9	21.0	0.017	34.7	7.9	< 1	0.39	242	5.8	< 0.1	5	0.5	355	< 0.1	1.1	0.160	0.24	0.3	39	0.4	4.6
409711	8.8	2.03	3.1	51.6	0.162	16.6	4.8	< 1	3.38	1120	2.3	0.1	22	1.1	473	< 0.1	2.1	0.708	0.11	0.8	160	0.3	20.0
409712	13.0	2.34	1.8	3.8	0.099	35.2	2.7	< 1	1.73	1100	1.5	0.2	28	0.7	330	< 0.1	3.6	0.458	0.27	1.3	95	0.3	24.0
409713	15.2	1.42	12.9	6.3	0.112	12.1	3.1	< 1	2.07	1060	4.9	0.7	21	1.6	240	0.8	1.6	0.881	0.17	1.1	159	1.3	20.8
409714	14.9	1.35	0.1	10.6	0.152	34.3	2.6	< 1	2.36	1070	0.2	< 0.1	25	0.2	262	< 0.1	3.8	0.294	0.21	1.4	93	0.3	29.1
409715	17.1	1.39	2.3	24.2	0.155	30.9	3.8	4	2.41	733	1.1	< 0.1	22	0.9	252	< 0.1	4.2	0.728	0.23	1.5	129	0.5	27.2
409716	19.3	2.91	0.2	45.7	0.039	51.3	1.5	< 1	2.63	650	0.1	< 0.1	14	0.1	330	< 0.1	0.3	0.130	0.30	0.1	37	0.3	4.8
409717	13.8	1.32	3.4	30.4	0.131	28.3	10.4	6	1.99	696	0.8	0.2	19	0.9	254	< 0.1	3.1	0.548	0.28	1.2	96	0.5	24.2
409718	14.2	1.93	0.3	61.2	0.153	34.9	4.4	< 1	2.75	904	0.6	< 0.1	26	0.7	380	< 0.1	4.7	0.354	0.24	1.6	84	0.2	29.6
409719	15.8	2.30	3.4	426	0.075	22.6	1.8	< 1	7.93	950	2.0	0.2	21	0.7	224	0.2	1.8	0.423	0.13	0.7	150	0.3	10.1
409720	15.9	2.37	3.5	405	0.071	22.9	1.9	< 1	7.99	950	1.7	0.3	20	0.7	273	0.2	1.7	0.471	0.15	0.6	154	0.4	9.6
409721	20.8	3.04	2.0	53.9	0.052	35.7	1.8	< 1	3.23	937	1.9	< 0.1	14	0.4	390	< 0.1	0.4	0.578	0.27	0.2	150	0.8	7.9
409722	18.5	1.05	11.7	30.5	0.148	32.1	5.6	7	2.33	897	4.7	0.2	23	1.0	176	0.4	3.5	0.838	0.28	1.4	132	2.1	30.6
409723	19.2	1.53	2.7	9.3	0.175	32.6	2.6	< 1	2.38	1520	0.9	0.1	30	0.6	271	< 0.1	4.8	0.545	0.19	1.5	96	0.2	30.8
409724	18.6	0.915	19.7	6.9	0.179	8.1	2.4	< 1	2.25	1580	3.7	0.2	21	1.3	123	1.1	3.1	1.06	0.12	1.5	149	1.5	22.7
409725	18.2	2.30	0.2	25.0	0.145	24.3	2.5	< 1	2.63	1030	0.4	< 0.1	28	0.5	258	< 0.1	4.2	0.403	0.14	1.5	100	0.1	28.1
409726	11.7	2.46	4.3	26.1	0.050	22.0	5.6	2	1.35	688	4.1	0.4	14	0.9	353	0.1	0.6	0.592	0.21	0.4	128	0.5	11.9
409727	13.1	1.58	0.1	18.3	0.129	36.8	2.6	< 1	3.15	1390	0.2	< 0.1	31	0.5	255	< 0.1	2.4	0.239	0.24	1.0	117	0.1	24.7
409728	21.1	1.10	2.0	15.4	0.104	47.2	2.1	< 1	2.74	1020	1.2	0.2	27	0.8	92	< 0.1	1.7	0.509	0.27	1.2	132	0.2	17.3
409729	24.7	1.49	4.9	28.8	0.090	39.7	1740	< 1	2.97	948	1.9	1.1	24	0.8	90	0.1	1.5	0.771	0.23	0.7	225	0.4	12.8
409730	98.3	0.720	13.1	16.1	0.483	794	8.4	< 1	0.74	3180	261	0.4	6	105	105	< 0.1	5.5	0.136	6.01	8.2	56	> 200	7.3
409731	22.1	1.17	0.7	72.8	0.056	72.8	1.7	< 1	2.53	528	0.8	0.6	19	0.3	133	< 0.1	1.4	0.376	0.42	0.5	117	17.3	9.6
409732	21.7	0.986	0.4	66.4	0.080	67.0	1.7	< 1	3.55	1100	0.3	0.1	23	0.3	201	< 0.1	1.4	0.326	0.41	0.6	91	4.0	12.5
409733	25.8	2.86	0.2	19.9	0.040	23.8	64.5	< 1	3.63	1420	0.6	0.5	43	1.7	196	< 0.1	0.8	0.468	0.13	0.4	285	0.6	18.9
409734	16.0	3.24	0.2	18.7	0.047	36.0	6.1	< 1	3.59	1570	0.4	0.3	43	1.5	105	< 0.1	1.0	0.398	0.21	0.4	197	0.5	24.0
409735	22.1	2.98	0.6	23.5	0.043	29.2	7.7	1	4.25	1830	0.7	0.2	50	1.4	95	< 0.1	1.0	0.505	0.19	0.4	305	0.5	26.1
409736	8.3	2.81	< 0.1	22.5	0.043	68.7	35.0	< 1	3.45	1660	0.4	2.5	45	0.9	162	< 0.1	0.9	0.346	0.41	0.5	161	0.4	24.0
409737	19.9	3.49	1.2	21.4	0.048	25.4	11.1	< 1	3.77	1600	1.3	1.1	45	1.6	83	< 0.1	0.9	0.622	0.15	0.4	287	0.8	23.7
409738	15.4	3.33	1.9	22.7	0.051	44.1	5.6	< 1	4.12	1900	1.5	0.4	49	1.8	114	< 0.1	1.0	0.686	0.28	0.5	351	0.6	26.8
409739	11.9	3.55	2.4	19.8	0.047	34.6	3.5	< 1	3.61	1670	1.9	0.3	44	1.5	114	< 0.1	0.9	0.680	0.20	0.4	341	1.0	23.8

Analyte Symbol	Li	Na	Nb	Ni	P	Rb	Pb	S	Mg	Mn	Mo	Sb	Sc	Sn	Sr	Ta	Th	Ti	Tl	U	V	W	Y
Unit Symbol	ppm	%	ppm	ppm	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.001	0.1	0.1	0.001	0.1	0.1	1	0.01	1	0.1	0.1	1	0.1	1	0.1	0.1	0.001	0.05	0.1	4	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
409740	8.6	2.91	< 0.1	22.1	0.018	44.6	7.9	< 1	0.39	271	2.3	< 0.1	6	0.5	366	< 0.1	1.4	0.101	0.23	0.3	25	0.2	5.5
409741	12.8	2.48	3.8	20.2	0.047	18.4	5.6	1	3.50	1730	2.1	1.2	41	1.5	107	0.2	0.6	0.764	0.17	0.5	340	2.8	21.4
409742	10.8	2.97	0.4	20.0	0.045	25.9	5.6	< 1	3.47	1590	0.5	0.2	43	1.2	126	< 0.1	0.9	0.449	0.17	0.4	256	0.3	23.6
409743	14.5	2.76	0.2	18.5	0.044	24.3	11.1	< 1	2.78	1380	0.7	0.1	42	1.2	138	< 0.1	1.1	0.435	0.13	0.5	254	1.8	23.1
409744	15.2	2.69	2.2	10.9	0.040	25.5	10.8	< 1	1.62	920	3.8	0.7	21	2.2	143	< 0.1	6.1	0.381	0.12	1.9	119	3.0	16.6
409745	7.2	3.91	11.0	5.5	0.037	38.3	12.7	< 1	0.31	312	8.0	2.1	4	2.3	131	0.9	6.2	0.198	0.22	1.5	26	2.4	10.6
409746	5.8	2.87	10.3	4.2	0.031	52.2	38.5	< 1	0.18	214	13.0	1.3	3	1.8	121	0.8	5.6	0.161	0.27	1.7	17	2.1	10.4
409747	5.8	3.23	11.1	4.8	0.031	41.7	15.2	< 1	0.16	265	12.2	2.9	3	2.2	124	0.6	6.6	0.174	0.28	1.5	17	4.6	10.8
409748	4.5	3.23	13.4	5.4	0.036	57.7	13.8	< 1	0.20	300	11.8	2.5	4	1.9	118	1.2	6.6	0.183	0.33	2.0	20	4.3	11.1
409749	1.5	4.25	11.6	2.7	0.006	41.3	14.3	< 1	0.02	70	12.2	3.9	1	1.4	80	0.7	6.1	0.018	0.19	2.3	< 4	1.8	9.1
409750	8.7	0.449	5.0	18.2	0.054	29.7	> 5000	> 10.0	1.21	583	16.6	9.3	8	7.3	26	0.3	2.5	0.137	0.99	1.3	32	4.4	13.6
409751	1.1	3.56	11.1	3.5	0.005	38.4	21.6	< 1	< 0.01	56	12.2	2.5	< 1	1.0	62	1.0	3.4	0.016	0.14	7.3	< 4	1.3	6.2
409752	1.5	3.52	10.6	2.5	0.005	32.0	13.2	< 1	0.01	74	9.8	4.1	< 1	0.9	63	1.2	4.2	0.017	0.14	1.7	< 4	1.3	5.6
409753	1.3	3.09	10.9	2.1	0.004	41.9	15.4	< 1	0.02	81	10.7	1.2	< 1	1.0	75	1.0	6.3	0.017	0.18	2.4	< 4	1.1	8.7
409754	1.0	3.43	10.9	2.3	0.004	51.4	25.5	< 1	0.01	57	8.6	1.0	2	0.7	65	1.0	7.3	0.012	0.23	2.8	< 4	1.1	15.7
409755	1.2	2.98	10.5	2.3	0.004	47.3	18.8	< 1	0.01	59	11.5	1.2	1	0.8	75	0.9	7.3	0.011	0.56	3.0	< 4	1.0	13.5
409756	1.4	3.20	10.7	2.2	0.005	50.6	15.9	< 1	0.02	78	8.7	0.7	< 1	1.1	77	1.1	5.9	0.016	0.18	2.4	< 4	1.4	8.8
409757	1.5	3.41	10.9	2.3	0.005	47.2	19.3	< 1	0.01	81	11.4	0.7	< 1	1.6	64	1.2	4.7	0.016	0.17	1.8	< 4	1.4	7.0
409758	1.4	3.45	11.8	2.1	0.005	43.6	40.3	< 1	0.01	93	9.2	0.9	< 1	1.6	67	1.3	5.1	0.017	0.17	1.9	< 4	1.8	8.5
409759	1.4	3.21	11.6	2.3	0.004	38.6	15.2	< 1	0.01	69	10.8	0.6	< 1	0.9	63	1.3	4.7	0.016	0.15	6.7	< 4	1.2	7.0
409760	1.5	3.60	11.8	2.5	0.004	42.1	15.0	< 1	< 0.01	77	10.1	1.1	< 1	1.0	59	1.3	3.3	0.016	0.17	1.3	< 4	1.4	6.7
409761	1.5	3.33	11.3	2.3	0.005	53.3	16.3	< 1	0.01	72	10.3	0.5	< 1	0.9	62	1.3	4.3	0.018	0.20	1.7	< 4	1.3	6.5
409762	1.5	3.15	10.9	2.1	0.006	56.0	51.1	< 1	0.01	152	9.5	3.6	< 1	1.7	63	0.9	4.0	0.018	0.23	1.4	< 4	1.5	6.5
409763	1.5	3.29	10.8	2.1	0.005	40.0	17.5	< 1	< 0.01	81	10.6	4.0	< 1	1.5	45	1.2	2.8	0.016	0.22	1.3	< 4	1.8	4.2
409764	1.5	3.02	11.0	2.1	0.006	54.1	14.1	< 1	0.02	83	10.9	0.7	1	1.1	90	1.2	7.2	0.017	0.24	3.3	< 4	1.7	9.8
409765	1.5	2.98	10.7	2.1	0.005	40.7	11.5	< 1	0.01	77	8.2	0.6	< 1	1.0	66	1.0	4.2	0.016	0.17	1.9	< 4	1.8	7.0
409766	1.6	3.20	10.7	1.9	0.005	50.5	13.9	< 1	0.02	79	11.3	0.8	1	1.2	79	1.2	6.8	0.018	0.18	2.7	< 4	1.8	9.0
409767	1.7	3.05	10.1	2.1	0.004	44.6	12.3	< 1	0.01	74	8.7	0.7	< 1	1.0	62	1.0	4.1	0.015	0.16	1.7	< 4	1.8	7.0
409768	1.4	3.29	10.9	2.5	0.005	51.5	15.8	< 1	< 0.01	65	10.3	0.6	< 1	0.9	66	1.1	3.4	0.015	0.19	1.5	< 4	1.5	6.6
409769	1.7	3.45	12.1	2.2	0.005	51.9	15.1	< 1	< 0.01	95	8.9	0.4	< 1	0.9	70	1.4	4.5	0.016	0.20	1.9	< 4	1.5	7.0
409770	8.4	2.90	0.6	22.5	0.019	43.2	7.8	< 1	0.41	263	6.0	< 0.1	6	0.5	355	< 0.1	1.2	0.144	0.24	0.4	34	< 0.1	5.6
409771	1.7	3.22	11.6	2.6	0.006	58.1	16.4	< 1	0.02	112	11.1	0.7	< 1	2.6	73	1.3	5.3	0.017	0.23	1.9	< 4	3.1	7.9
409772	1.6	3.56	11.5	2.3	0.006	50.5	16.6	< 1	0.02	95	9.6	0.4	1	1.9	96	1.2	7.5	0.019	0.21	3.2	< 4	3.1	9.2
409773	1.7	3.43	11.3	2.2	0.007	49.6	15.1	< 1	0.03	103	10.2	0.5	1	2.1	101	1.2	7.7	0.018	0.20	3.3	< 4	2.0	10.4
409774	1.6	3.17	11.1	2.0	0.006	59.4	17.6	< 1	0.02	78	10.2	0.4	1	1.3	95	1.2	7.9	0.017	0.23	3.5	< 4	1.1	10.7
409775	1.7	3.45	10.7	2.6	0.007	48.6	17.0	< 1	0.03	59	8.7	0.5	< 1	1.4	82	1.2	7.6	0.020	0.19	3.0	< 4	1.5	9.0
409776	1.6	3.29	10.5	2.7	0.005	39.5	15.3	< 1	0.02	60	7.7	0.8	< 1	1.9	74	1.2	5.4	0.016	0.15	1.9	< 4	2.3	8.4
409777	1.7	3.40	11.5	1.9	0.006	41.4	16.1	< 1	0.02	61	10.2	0.4	< 1	1.4	87	1.2	5.5	0.018	0.17	2.1	< 4	1.2	7.6
409778	1.7	3.39	11.2	2.2	0.005	42.4	16.2	< 1	0.02	56	10.3	0.6	< 1	1.9	84	1.2	6.0	0.016	0.16	2.4	< 4	1.6	8.4
409779	2.4	3.97	11.0	3.4	0.006	42.9	16.7	< 1	0.03	64	8.1	1.1	1	5.2	88	1.2	6.0	0.018	0.17	3.7	5	2.0	8.8
409780	39.1	1.28	1.9	10.4	0.059	48.7	18.7	< 1	1.11	753	5.0	1.8	11	0.7	292	< 0.1	2.4	0.273	0.52	0.7	94	1.6	8.2
409781	1.6	3.02	9.0	2.0	0.005	30.8	14.3	< 1	0.02	57	10.3	0.4	< 1	1.9	73	0.9	5.7	0.013	0.11	2.5	< 4	1.6	8.0

Analyte Symbol	Li	Na	Nb	Ni	P	Rb	Pb	S	Mg	Mn	Mo	Sb	Sc	Sn	Sr	Ta	Th	Ti	Tl	U	V	W	Y
Unit Symbol	ppm	%	ppm	ppm	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.001	0.1	0.1	0.001	0.1	0.1	1	0.01	1	0.1	0.1	1	0.1	1	0.1	0.1	0.001	0.05	0.1	4	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
409782	2.1	3.63	10.5	1.8	0.005	35.1	15.7	< 1	0.02	87	8.9	0.4	< 1	3.2	84	1.1	6.2	0.015	0.14	2.6	< 4	3.1	9.3
409783	30.8	1.54	< 0.1	20.6	0.043	53.0	7.7	< 1	3.17	1320	1.0	0.4	37	1.7	126	< 0.1	1.3	0.264	0.26	8.1	145	0.1	17.8
409784	22.8	1.45	2.5	19.0	0.045	37.7	7.4	< 1	3.63	1570	1.9	0.8	41	1.0	157	< 0.1	0.9	0.647	0.20	0.4	311	1.5	21.9
409785	19.4	1.88	2.0	17.0	0.040	22.7	14.9	< 1	2.90	1630	3.3	0.7	35	1.2	101	< 0.1	0.8	0.521	0.12	0.4	282	1.5	21.6
409786	10.9	2.41	3.2	18.3	0.045	24.1	10.0	< 1	3.09	1770	4.8	1.2	40	1.0	107	0.2	0.9	0.627	0.14	0.4	320	1.3	23.7
409787	9.2	2.97	2.8	18.3	0.052	14.2	4.1	< 1	3.55	2120	3.1	1.5	38	1.1	109	0.2	0.9	0.600	0.10	0.4	304	1.9	25.1
409788	6.3	1.86	0.8	19.1	0.043	5.1	3.1	< 1	3.13	1990	7.0	1.5	41	0.9	87	< 0.1	0.9	0.577	< 0.05	0.4	296	0.1	23.6
409789	13.8	2.85	0.1	18.8	0.043	9.2	3.6	< 1	3.11	1690	0.7	0.1	40	0.8	88	< 0.1	0.9	0.279	< 0.05	0.4	169	0.1	23.1
409790	13.0	2.57	2.6	17.6	0.042	6.8	4.2	< 1	2.88	1690	1.9	0.3	36	0.8	76	0.1	0.8	0.549	< 0.05	0.4	304	1.7	19.8
409791	14.6	1.79	0.4	15.8	0.048	57.9	6.8	< 1	2.25	1320	1.2	0.8	34	1.5	129	< 0.1	1.3	0.469	0.40	0.6	255	1.1	16.9
409792	7.6	1.19	< 0.1	16.2	0.035	8.2	3.7	< 1	2.66	1480	1.1	0.5	35	0.8	131	< 0.1	0.7	0.189	< 0.05	0.4	148	< 0.1	19.7
409793	6.0	0.939	0.2	22.0	0.044	2.8	4.4	< 1	2.11	1270	2.4	0.7	40	1.8	236	< 0.1	0.9	0.481	< 0.05	0.4	248	< 0.1	22.2
409794	5.3	1.49	< 0.1	19.0	0.040	8.2	3.9	< 1	1.90	1170	0.5	0.1	36	0.4	191	< 0.1	0.8	0.137	< 0.05	0.4	136	< 0.1	20.4
409795	7.6	1.93	0.8	21.0	0.044	8.0	3.3	< 1	3.36	1630	2.9	0.7	41	0.9	143	< 0.1	0.9	0.562	< 0.05	0.4	294	0.1	23.5
409796	6.6	2.54	1.9	15.6	0.042	13.5	5.4	< 1	2.66	1120	4.4	0.4	30	0.9	150	< 0.1	3.6	0.470	0.06	1.2	229	0.1	21.1
409797	7.4	2.63	3.4	11.2	0.030	38.8	11.4	< 1	1.82	909	6.4	0.3	21	0.9	106	0.1	6.1	0.340	0.18	2.9	146	0.1	19.7
409798	7.1	2.73	1.5	19.0	0.048	7.9	2.8	< 1	3.37	1630	3.2	0.4	40	0.7	93	< 0.1	0.8	0.563	< 0.05	0.3	298	0.1	22.6
409799	13.8	1.26	1.4	19.6	0.041	9.8	3.0	1	3.49	1760	3.9	0.4	41	0.7	137	< 0.1	1.0	0.563	0.05	0.4	315	0.2	25.0
409800	8.1	2.86	< 0.1	23.7	0.021	43.8	57.3	< 1	0.45	252	5.0	5.1	5	0.6	359	< 0.1	1.2	0.144	0.22	0.3	36	< 0.1	5.5
409801	6.2	1.67	0.1	10.6	0.036	10.7	4.4	< 1	2.09	1140	0.6	< 0.1	30	0.4	202	< 0.1	4.2	0.209	< 0.05	1.0	132	< 0.1	22.3
409802	9.2	1.27	0.2	17.8	0.041	8.2	3.6	< 1	2.94	1530	1.3	< 0.1	41	0.4	170	< 0.1	0.9	0.293	< 0.05	0.4	164	< 0.1	23.7
409803	4.5	1.37	0.2	15.3	0.037	3.1	2.4	< 1	2.52	1510	1.2	0.2	37	0.2	213	< 0.1	0.8	0.387	< 0.05	0.4	226	< 0.1	21.3
409804	4.2	1.01	0.3	16.8	0.040	3.9	2.9	< 1	2.54	1290	2.0	0.4	40	0.2	226	< 0.1	0.9	0.368	< 0.05	0.3	257	< 0.1	23.3
409805	6.8	1.80	0.5	48.3	0.151	20.7	4.6	< 1	3.75	1540	1.9	0.4	42	1.0	602	< 0.1	2.2	0.534	0.12	1.6	273	< 0.1	24.4
409806	16.9	2.42	0.5	43.2	0.054	47.7	1.5	< 1	2.34	568	0.7	< 0.1	11	0.3	344	< 0.1	0.4	0.323	0.31	0.2	72	< 0.1	4.3
409807	12.4	1.61	0.3	11.8	0.136	16.0	2.8	< 1	2.03	1200	0.3	0.3	30	0.7	353	< 0.1	2.5	0.267	0.10	1.3	107	< 0.1	31.2
409808	19.4	1.28	0.2	30.4	0.133	24.8	2.5	< 1	2.77	1260	0.4	0.5	31	1.4	302	< 0.1	3.1	0.298	0.18	1.3	107	< 0.1	29.9
409809	16.5	1.03	10.6	9.5	0.147	9.0	2.9	1	2.27	1370	1.8	0.4	23	1.8	238	0.5	1.5	1.04	0.17	1.2	273	0.8	27.7
409810	98.0	0.597	0.2	15.4	0.410	913	8.1	< 1	0.74	3180	180	0.2	5	98.2	105	< 0.1	4.0	0.076	5.40	7.6	51	> 200	7.3
409811	26.7	1.17	0.5	17.6	0.093	41.8	1.8	2	3.20	1150	0.5	< 0.1	29	1.6	93	< 0.1	1.7	0.493	0.27	0.8	188	8.4	24.0
409812	12.6	1.24	2.7	34.4	0.121	35.6	2.6	8	2.15	976	0.5	0.1	26	1.7	117	< 0.1	1.9	0.593	0.24	10.0	161	3.2	28.3
409813	13.9	1.66	2.7	11.3	0.147	28.2	2.4	2	2.43	1470	0.5	0.5	32	2.4	247	< 0.1	2.6	0.523	0.20	1.3	109	1.5	36.2
409814	11.0	2.26	1.6	28.4	0.144	23.0	5.3	< 1	2.19	1390	0.5	0.6	31	1.6	413	< 0.1	2.6	0.470	0.16	1.4	142	0.8	28.9
409815	11.8	2.03	1.4	81.2	0.179	25.3	3.0	< 1	2.43	1220	1.5	0.9	31	2.1	354	< 0.1	2.8	0.663	0.15	1.3	212	0.7	29.3
409816	7.0	1.60	2.1	17.7	0.148	14.8	3.1	< 1	1.98	1290	1.3	0.9	29	1.5	385	< 0.1	2.2	0.657	0.11	1.0	191	0.6	30.0
409817	17.5	2.36	6.5	14.5	0.070	43.6	2.1	2	2.11	539	6.5	1.7	13	0.4	315	0.4	0.9	0.515	0.32	0.5	97	1.2	13.0
409818	12.4	1.57	4.7	13.7	0.104	46.8	2.0	1	1.99	749	2.4	0.4	23	1.7	289	< 0.1	1.8	0.623	0.29	0.8	124	0.5	22.8
409819	18.2	1.18	0.5	23.8	0.129	31.5	2.8	< 1	2.52	1300	0.7	0.6	29	1.8	322	< 0.1	2.3	0.461	0.22	1.0	109	0.3	26.9
409820	7.5	2.69	2.7	21.7	0.018	36.9	7.7	< 1	0.50	249	9.2	< 0.1	5	0.6	333	0.2	0.9	0.156	0.24	0.3	40	0.4	4.8
409821	12.0	1.45	0.2	16.6	0.130	7.8	4.5	< 1	2.38	1410	0.3	0.6	31	1.5	471	< 0.1	2.3	0.320	< 0.05	1.0	114	0.2	28.4
409822	17.3	0.916	0.4	24.0	0.114	28.7	5.2	3	2.72	1150	0.5	< 0.1	26	1.0	225	< 0.1	1.9	0.463	0.22	0.9	166	0.2	26.2
409823	13.5	1.62	4.7	106	0.052	29.8	17.1	8	2.39	598	10.6	3.2	15	0.7	177	0.2	0.5	0.543	0.48	0.3	145	2.4	10.5

Analyte Symbol	Li	Na	Nb	Ni	P	Rb	Pb	S	Mg	Mn	Mo	Sb	Sc	Sn	Sr	Ta	Th	Ti	Tl	U	V	W	Y
Unit Symbol	ppm	%	ppm	ppm	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.001	0.1	0.1	0.001	0.1	0.1	1	0.01	1	0.1	0.1	1	0.1	1	0.1	0.1	0.001	0.05	0.1	4	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
409824	12.3	3.74	0.1	108	0.097	13.0	4.5	< 1	2.25	712	0.8	0.2	16	1.1	294	< 0.1	4.9	0.298	< 0.05	1.4	79	0.1	16.8
409825	22.9	0.430	1.3	799	0.038	10.8	1.3	< 1	8.26	1310	1.5	0.1	26	0.4	45	< 0.1	0.3	0.508	< 0.05	1.0	231	0.3	12.4
409826	20.8	2.81	3.0	30.3	0.094	15.5	4.2	< 1	3.33	981	2.3	0.9	22	0.7	446	< 0.1	2.1	0.473	0.08	0.7	152	0.2	15.5
409827	22.9	2.79	3.9	21.7	0.088	18.2	4.2	< 1	3.29	928	2.1	0.8	22	0.8	431	< 0.1	2.4	0.505	0.09	0.8	152	0.2	16.2
409828	25.4	0.804	2.6	657	0.035	5.9	1.0	< 1	8.06	1010	1.7	< 0.1	26	0.4	70	0.1	0.3	0.536	< 0.05	0.2	212	1.2	10.7
409829	15.9	0.078	1.8	687	0.024	7.2	1.2	< 1	8.72	1070	1.1	0.3	25	0.7	133	< 0.1	0.3	0.440	< 0.05	0.5	193	0.7	10.1
409830	14.6	0.835	0.5	70.0	0.069	88.7	7.0	2	1.06	2980	106	3.0	14	6.3	91	< 0.1	2.3	0.291	0.26	29.8	202	8.6	17.5
409831	22.7	0.340	3.4	830	0.039	3.1	2.1	< 1	10.5	1220	0.9	0.6	29	0.8	111	0.2	0.5	0.597	< 0.05	0.2	258	1.9	12.4
409832	21.5	1.13	0.4	494	0.063	38.6	1.8	< 1	7.82	1090	0.6	< 0.1	29	0.2	81	< 0.1	1.6	0.360	0.27	0.6	201	< 0.1	13.8
409833	27.3	0.267	1.7	809	0.027	22.4	1.3	< 1	10.5	1150	0.6	< 0.1	29	0.3	59	< 0.1	0.2	0.468	0.14	< 0.1	220	0.3	11.7
409834	23.1	1.56	0.9	541	0.038	42.1	1.2	< 1	7.56	1020	0.7	< 0.1	22	0.3	221	< 0.1	0.3	0.399	0.29	0.2	160	0.1	9.7
409835	26.4	0.321	0.4	898	0.029	9.8	1.1	< 1	11.6	1250	0.4	< 0.1	29	0.2	197	< 0.1	0.2	0.363	< 0.05	0.1	171	0.2	11.9
409836	23.9	0.028	0.5	745	0.022	4.1	0.8	< 1	10.2	1150	0.3	< 0.1	28	0.1	160	< 0.1	0.2	0.327	< 0.05	0.2	161	0.1	12.1
409837	24.2	0.078	1.3	695	0.026	6.1	0.9	< 1	9.84	1160	0.9	< 0.1	28	0.2	138	< 0.1	0.2	0.406	< 0.05	0.2	202	0.2	11.9
409838	25.0	2.12	0.1	393	0.048	21.5	1.3	< 1	6.61	892	0.3	< 0.1	20	0.5	214	< 0.1	0.5	0.206	0.13	0.3	84	< 0.1	10.3
409839	17.3	0.614	0.1	718	0.030	2.4	0.7	< 1	8.89	846	0.2	< 0.1	18	0.2	84	< 0.1	0.3	0.283	< 0.05	0.2	131	< 0.1	9.2
409840	6.2	2.27	1.6	17.7	0.016	36.0	6.1	< 1	0.41	217	8.9	< 0.1	5	0.4	284	< 0.1	1.2	0.125	0.18	0.3	31	0.2	4.4
409841	15.6	0.023	0.5	953	0.025	0.7	0.7	< 1	9.90	995	0.5	< 0.1	23	0.2	62	< 0.1	0.2	0.361	< 0.05	0.1	176	0.1	9.6
409842	12.4	2.93	< 0.1	104	0.082	12.1	4.4	< 1	3.48	820	0.2	0.1	21	0.8	497	< 0.1	5.4	0.191	< 0.05	1.6	104	< 0.1	18.9
409843	14.8	2.11	0.6	153	0.078	27.0	3.9	< 1	4.68	987	1.4	0.3	27	0.8	445	< 0.1	4.3	0.371	0.09	1.3	135	< 0.1	17.1
409844	20.3	2.29	0.3	228	0.063	25.0	2.8	< 1	6.00	1120	0.8	< 0.1	30	0.3	209	< 0.1	3.8	0.295	0.10	1.0	123	< 0.1	16.3
409845	24.7	0.137	0.3	824	0.020	0.7	1.1	< 1	9.78	1200	0.3	< 0.1	27	0.9	33	< 0.1	0.2	0.205	< 0.05	0.1	165	< 0.1	10.7
409846	14.7	2.73	0.4	65.9	0.088	21.6	2.4	< 1	3.34	1290	0.8	0.2	30	1.0	182	< 0.1	1.0	0.476	0.08	0.7	123	< 0.1	17.1
409847	18.4	2.51	< 0.1	53.0	0.064	28.1	1.7	< 1	3.27	1320	0.3	0.1	32	0.7	207	< 0.1	0.7	0.333	0.12	0.4	191	< 0.1	20.4
409848	8.5	1.32	0.1	21.9	0.065	18.9	1.8	< 1	2.59	1290	0.4	< 0.1	31	0.5	179	< 0.1	0.7	0.334	0.09	0.6	218	< 0.1	20.7
409849	12.2	2.14	4.3	11.9	0.072	19.8	2.7	< 1	1.95	865	6.6	0.2	18	2.2	315	0.2	0.6	0.661	0.18	1.3	238	1.0	13.9
409850	11.5	2.20	0.2	10.8	0.064	33.0	2.4	< 1	1.81	770	0.6	< 0.1	22	1.8	336	< 0.1	1.2	0.256	0.18	1.4	117	< 0.1	16.5
409851	16.6	1.16	0.4	17.2	0.076	36.9	3.1	2	2.31	904	1.6	< 0.1	21	1.7	159	< 0.1	1.1	0.416	0.20	2.1	140	0.4	18.9
409852	15.6	2.07	0.2	12.4	0.090	35.3	2.1	< 1	2.08	1070	0.2	< 0.1	26	0.3	321	< 0.1	1.8	0.175	0.15	0.8	61	< 0.1	23.4
409853	8.8	1.93	0.3	14.2	0.125	22.1	2.3	< 1	1.86	1060	0.5	< 0.1	29	0.4	306	< 0.1	2.6	0.288	0.10	1.1	92	< 0.1	30.7
409854	15.0	1.33	0.2	10.2	0.118	39.8	3.3	< 1	1.91	939	0.4	< 0.1	21	0.7	165	< 0.1	2.4	0.284	0.21	1.1	87	< 0.1	28.8
409855	20.0	0.958	2.4	31.2	0.122	69.8	1.7	< 1	2.22	835	1.0	0.3	25	1.3	94	< 0.1	2.1	0.555	0.37	0.9	133	0.1	23.3
409856	16.0	1.80	0.7	15.9	0.121	27.7	1.9	< 1	1.96	1310	0.4	< 0.1	30	0.6	260	< 0.1	2.3	0.360	0.13	1.0	105	< 0.1	28.4
409857	20.0	1.10	5.8	8.7	0.072	28.9	2.6	< 1	2.19	959	4.3	0.3	24	1.1	212	0.2	2.8	0.680	0.17	1.0	212	0.4	20.5
409858	17.6	1.03	1.7	7.4	0.056	23.7	1.9	< 1	2.24	1100	2.1	0.1	21	1.0	166	< 0.1	2.7	0.439	0.14	0.9	143	0.5	16.9
409859	9.9	2.06	6.7	50.5	0.105	18.7	2.7	< 1	2.73	983	3.7	0.3	24	0.9	348	0.4	1.8	0.673	0.17	0.9	212	0.6	17.0
409860	95.6	0.570	0.2	15.1	0.386	905	8.0	< 1	0.65	3090	174	0.2	5	94.0	105	< 0.1	3.8	0.075	5.39	7.5	50	> 200	7.2
409861	12.7	1.52	< 0.1	14.7	0.106	25.0	2.2	< 1	1.96	936	0.2	< 0.1	23	0.2	260	< 0.1	1.8	0.123	0.13	0.8	73	7.5	22.1
409862	13.8	1.70	< 0.1	82.8	0.085	54.0	4.1	< 1	3.14	926	0.1	< 0.1	28	0.4	285	< 0.1	3.8	0.172	0.29	1.2	105	2.3	18.5
409863	12.0	1.97	0.6	18.0	0.127	31.4	3.2	< 1	2.47	1070	0.5	0.2	29	1.1	340	< 0.1	2.2	0.427	0.17	0.9	87	0.8	28.5
409864	9.7	0.646	< 0.1	20.6	0.064	75.8	7.9	< 1	2.03	890	0.7	< 0.1	27	0.4	157	< 0.1	1.7	0.148	0.43	1.3	95	0.5	11.6
409865	17.9	1.19	0.3	24.0	0.065	36.1	1.9	< 1	2.75	1110	1.3	< 0.1	35	0.4	261	< 0.1	1.7	0.310	0.16	1.3	142	0.4	17.2

Analyte Symbol	Li	Na	Nb	Ni	P	Rb	Pb	S	Mg	Mn	Mo	Sb	Sc	Sn	Sr	Ta	Th	Ti	Tl	U	V	W	Y
Unit Symbol	ppm	%	ppm	ppm	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.001	0.1	0.1	0.001	0.1	0.1	1	0.01	1	0.1	0.1	1	0.1	1	0.1	0.1	0.001	0.05	0.1	4	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
409866	19.8	0.756	2.5	28.7	0.071	38.4	1.6	< 1	3.63	1370	7.1	< 0.1	33	0.8	177	< 0.1	1.8	0.616	0.18	1.2	297	0.5	17.0
409867	13.9	2.74	3.6	24.1	0.110	20.0	5.2	< 1	2.33	1130	3.2	0.2	23	1.2	355	< 0.1	4.5	0.607	0.10	1.4	163	0.4	20.2
409868	13.2	1.24	0.4	23.9	0.068	16.2	2.3	< 1	2.43	1070	2.1	0.2	30	0.4	406	< 0.1	1.6	0.339	0.05	0.7	135	0.3	16.6
409869	9.3	1.63	< 0.1	26.8	0.071	17.7	1.9	< 1	3.17	1220	0.2	< 0.1	37	0.2	410	< 0.1	2.1	0.158	< 0.05	0.7	122	0.2	19.4
409870	7.9	2.71	2.2	21.4	0.021	35.2	7.5	< 1	0.52	270	11.0	< 0.1	5	0.6	323	< 0.1	0.9	0.163	0.22	0.3	39	0.3	4.7
409871	17.3	2.10	0.3	169	0.085	22.4	2.1	< 1	5.44	1140	0.7	< 0.1	33	0.5	240	< 0.1	2.0	0.355	0.08	0.7	151	0.2	15.5
409872	10.5	1.78	< 0.1	28.5	0.082	24.1	2.9	< 1	3.53	1340	0.1	< 0.1	42	0.4	404	< 0.1	2.2	0.165	0.09	1.0	99	0.1	22.1
409873	20.6	1.73	0.2	28.4	0.076	19.0	3.3	< 1	3.32	1580	0.3	0.3	40	0.3	569	< 0.1	2.2	0.323	0.07	0.7	229	0.2	20.4
409874	11.8	1.72	1.4	15.3	0.131	33.2	3.1	< 1	2.80	1450	0.8	< 0.1	31	0.6	345	< 0.1	2.3	0.555	0.13	1.1	129	0.2	30.0
409875	15.2	2.32	0.9	6.2	0.114	62.2	6.7	< 1	1.24	1110	1.6	0.8	22	1.3	233	< 0.1	1.9	0.400	0.43	2.3	85	0.1	20.8

Analyte Symbol	Zn	Zr
Unit Symbol	ppm	ppm
Lower Limit	1	0.1
Method Code	TD-MS	TD-MS
409656	67	80.7
409657	314	91.7
409658	> 10000	56.2
409659	2570	45.8
409660	1900	48.3
409661	1150	33.1
409662	81	92.8
409663	86	79.0
409664	65	46.3
409665	102	56.0
409666	44	28.7
409667	91	24.3
409668	54	178
409669	70	107
409670	319	4.4
409671	47	41.3
409672	53	39.8
409673	54	53.8
409674	46	46.8
409675	63	62.0
409676	60	59.9
409677	78	67.9
409678	92	65.7
409679	75	79.1
409680	22	40.0
409681	88	21.4
409682	74	33.5
409683	66	68.2
409684	122	57.8
409685	56	81.6
409686	40	56.2
409687	62	95.3
409688	69	59.6
409689	55	43.2
409690	57	49.0
409691	180	68.5
409692	> 10000	119
409693	56	91.4
409694	120	55.3
409695	84	67.5
409696	53	65.4
409697	91	70.2

Analyte Symbol	Zn	Zr
Unit Symbol	ppm	ppm
Lower Limit	1	0.1
Method Code	TD-MS	TD-MS
409698	100	77.2
409699	88	46.4
409700	325	52.6
409701	100	84.0
409702	81	49.6
409703	58	83.1
409704	84	115
409705	41	86.5
409706	72	47.9
409707	62	49.3
409708	126	34.7
409709	46	47.2
409710	19	48.6
409711	77	87.0
409712	52	121
409713	48	151
409714	54	128
409715	73	169
409716	39	9.4
409717	38	123
409718	43	123
409719	65	81.8
409720	61	77.0
409721	50	39.9
409722	86	144
409723	162	118
409724	305	208
409725	87	145
409726	38	57.0
409727	94	24.5
409728	82	49.0
409729	96	56.8
409730	310	50.4
409731	48	32.3
409732	52	33.3
409733	176	67.3
409734	98	44.8
409735	98	80.2
409736	82	44.9
409737	94	68.1
409738	92	81.2
409739	83	74.5

Analyte Symbol	Zn	Zr
Unit Symbol	ppm	ppm
Lower Limit	1	0.1
Method Code	TD-MS	TD-MS
409740	19	40.8
409741	88	73.0
409742	97	52.7
409743	89	60.6
409744	88	129
409745	40	184
409746	28	168
409747	39	182
409748	33	207
409749	8	66.6
409750	> 10000	114
409751	8	63.6
409752	6	60.4
409753	16	67.7
409754	12	62.7
409755	6	60.8
409756	9	61.5
409757	12	59.0
409758	7	64.8
409759	7	63.7
409760	6	62.8
409761	5	65.1
409762	7	67.1
409763	11	63.8
409764	4	71.5
409765	3	65.6
409766	7	66.7
409767	5	59.0
409768	4	65.9
409769	7	68.3
409770	19	49.9
409771	14	67.2
409772	7	71.4
409773	8	73.4
409774	4	67.0
409775	8	70.0
409776	7	60.7
409777	3	68.1
409778	7	65.7
409779	30	69.1
409780	58	63.3
409781	40	56.0

Analyte Symbol	Zn	Zr
Unit Symbol	ppm	ppm
Lower Limit	1	0.1
Method Code	TD-MS	TD-MS
409782	14	67.6
409783	88	31.3
409784	84	69.5
409785	84	58.8
409786	84	66.4
409787	87	65.2
409788	87	57.7
409789	73	37.4
409790	63	63.9
409791	84	71.7
409792	69	23.1
409793	50	42.5
409794	64	26.1
409795	79	59.2
409796	65	88.0
409797	56	89.2
409798	83	57.6
409799	73	63.2
409800	20	51.1
409801	72	43.8
409802	92	43.0
409803	67	49.9
409804	61	47.0
409805	78	87.1
409806	33	27.8
409807	67	50.3
409808	106	42.4
409809	74	158
409810	305	5.9
409811	133	57.2
409812	192	95.3
409813	175	52.9
409814	81	77.7
409815	93	88.3
409816	57	67.1
409817	38	81.1
409818	43	61.8
409819	89	38.6
409820	17	51.9
409821	81	38.3
409822	79	88.0
409823	38	27.5

Analyte Symbol	Zn	Zr
Unit Symbol	ppm	ppm
Lower Limit	1	0.1
Method Code	TD-MS	TD-MS
409824	38	103
409825	71	53.4
409826	57	94.6
409827	62	109
409828	56	51.4
409829	60	40.7
409830	18	134
409831	60	60.3
409832	67	67.3
409833	56	42.0
409834	53	47.7
409835	75	43.9
409836	67	40.3
409837	67	38.7
409838	48	27.8
409839	55	44.6
409840	17	38.2
409841	72	43.7
409842	49	65.2
409843	64	94.0
409844	74	77.7
409845	91	32.3
409846	88	54.8
409847	67	49.7
409848	62	38.2
409849	45	105
409850	44	58.4
409851	68	91.7
409852	50	55.9
409853	46	97.6
409854	41	78.0
409855	44	101
409856	48	81.2
409857	44	95.6
409858	58	96.2
409859	52	109
409860	305	5.8
409861	49	41.7
409862	51	55.2
409863	41	68.7
409864	33	32.8
409865	55	59.2

Analyte Symbol	Zn	Zr
Unit Symbol	ppm	ppm
Lower Limit	1	0.1
Method Code	TD-MS	TD-MS
409866	69	90.5
409867	83	144
409868	50	32.5
409869	54	23.3
409870	17	51.6
409871	75	50.8
409872	70	23.1
409873	94	42.7
409874	92	123
409875	86	91.0

Analyte Symbol	Te	As	Cu	Pb	Zn	Al	Ag	As	Au	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Cs	Fe	Hf	K	La
Unit Symbol	ppm	%	%	%	%	%	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm
Lower Limit	0.1	0.01	0.005	0.01	0.01	0.01	0.1	1	100	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.1	0.01	0.1	0.01	0.1
Method Code	TD-MS	FUS-Na2O2	FUS-Na2O2	FUS-Na2O2	FUS-Na2O2	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	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-1 Meas	6.4					1.96	31.9	441	> 2000	646	< 1	1460	0.87	2.4	14	7.6	10	1140	2.6	25.2	0.5	0.04	7.6
GXR-1 Cert	13.0					3.52	31.0	427	3300	750	1.22	1380	0.960	3.30	17.0	8.20	12.0	1110	3.00	23.6	0.960	0.050	7.50
GXR-1 Meas	7.9					1.98	30.6	420	> 2000	610	< 1	1430	0.82	2.5	13	7.2	31	1110	2.4	22.2	0.5	0.04	7.6
GXR-1 Cert	13.0					3.52	31.0	427	3300	750	1.22	1380	0.960	3.30	17.0	8.20	12.0	1110	3.00	23.6	0.960	0.050	7.50
DH-1a Meas																							
DH-1a Cert																							
DH-1a Meas																							
DH-1a Cert																							
GXR-4 Meas	0.9					6.78	3.6	110	600	115	2	18.5	1.00	0.3	98	13.8	52	6670	2.5	3.10	1.5	3.15	59.3
GXR-4 Cert	0.970					7.20	4.0	98.0	500	1640	1.90	19.0	1.01	0.860	102	14.6	64.0	6520	2.80	3.09	6.30	4.01	64.5
GXR-4 Meas	0.8					6.04	3.2	99	400	75	2	17.0	0.87	0.2	96	12.1	42	6100	2.3	2.68	1.2	2.82	51.7
GXR-4 Cert	0.970					7.20	4.0	98.0	500	1640	1.90	19.0	1.01	0.860	102	14.6	64.0	6520	2.80	3.09	6.30	4.01	64.5
PTM-1a Meas		0.22	23.7																				
PTM-1a Cert		0.220	24.96																				
SDC-1 Meas						8.04		< 1		621	3		1.04		78	17.6	42	32.8	3.7	4.80	0.7	2.70	41.4
SDC-1 Cert						8.34		0.220		630	3.00		1.00		93.00	18.0	64.00	30.000	4.00	4.82	8.30	2.72	42.00
SDC-1 Meas						7.71		< 1		591	2		0.93		73	17.2	46	29.2	3.5	4.61	0.7	2.75	38.8
SDC-1 Cert						8.34		0.220		630	3.00		1.00		93.00	18.0	64.00	30.000	4.00	4.82	8.30	2.72	42.00
GXR-6 Meas	< 0.1					11.8	0.2	229	< 100	1150	1	0.2	0.16	0.1	31	13.7	47	74.4	3.9	5.63	1.9	1.92	12.5
GXR-6 Cert	0.0180					17.7	1.30	330	95.0	1300	1.40	0.290	0.180	1.00	36.0	13.8	96.0	66.0	4.20	5.58	4.30	1.87	13.9
GXR-6 Meas	< 0.1					10.4	0.2	244	< 100	1100	1	0.2	0.16	< 0.1	31	12.9	52	66.7	3.9	5.46	2.1	1.99	12.7
GXR-6 Cert	0.0180					17.7	1.30	330	95.0	1300	1.40	0.290	0.180	1.00	36.0	13.8	96.0	66.0	4.20	5.58	4.30	1.87	13.9
CD-1 Meas		0.68																					
CD-1 Cert		0.660																					
Oreas 74a (Fusion) Meas		< 0.01	0.123																				
Oreas 74a (Fusion) Cert		0.005	0.124																				
OREAS 134b (Fusion) Meas		0.02	0.134	13.0	17.4																		
OREAS 134b (Fusion) Cert		0.02	0.134	13.20	18.12																		
MP-1b Meas		2.28	3.07	2.05	16.1																		
MP-1b Cert		2.30	3.07	2.09	16.7																		
DNC-1a Meas										96						54.9	151	95.7					3.8
DNC-1a Cert										118						57	270	100					3.6
DNC-1a Meas										94						55.2	142	93.5					3.6
DNC-1a Cert										118						57	270	100					3.6
CPB-2 Meas			0.123	62.3	5.94																		
CPB-2 Cert			0.1213	63.52	6.04																		
CZN-4 Meas		0.03	0.409	0.18	53.6																		
CZN-4 Cert		0.0356	0.403	0.1861	55.07																		

Analyte Symbol	Te	As	Cu	Pb	Zn	Al	Ag	As	Au	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Cs	Fe	Hf	K	La
Unit Symbol	ppm	%	%	%	%	%	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm
Lower Limit	0.1	0.01	0.005	0.01	0.01	0.01	0.1	1	100	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.1	0.01	0.1	0.01	0.1
Method Code	TD-MS	FUS-Na2O2	FUS-Na2O2	FUS-Na2O2	FUS-Na2O2	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	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 Meas								23		679	3	0.6		0.3	90	21.7	72	37.2	7.3		3.2		48.8
SBC-1 Cert								25.7		788.0	3.20	0.70		0.40	108.0	22.7	109	31.0000	8.2		3.7		52.5
SBC-1 Meas								27		509	3	0.7		0.3	102	21.9	100	33.4	7.9		3.8		50.0
SBC-1 Cert								25.7		788.0	3.20	0.70		0.40	108.0	22.7	109	31.0000	8.2		3.7		52.5
Arsenic (III) Oxide Meas		> 10.0																					
Arsenic (III) Oxide Cert		75.7																					
Arsenic (III) Oxide Meas		> 10.0																					
Arsenic (III) Oxide Cert		75.7																					
Arsenic (III) Oxide Meas		> 10.0																					
Arsenic (III) Oxide Cert		75.7																					
OREAS 45d (4-Acid) Meas						7.32		5		171	< 1	0.3	0.17		33	28.3	446	346	3.4	13.9	1.2	0.39	16.9
OREAS 45d (4-Acid) Cert						8.150		13.8		183.0	0.79	0.31	0.185		37.20	29.50	549	371	3.910	14.5	3.830	0.412	16.9
OREAS 45d (4-Acid) Meas						7.96		6		174	< 1	0.3	0.19		33	28.5	507	355	3.5	14.2	1.6	0.42	17.1
OREAS 45d (4-Acid) Cert						8.150		13.8		183.0	0.79	0.31	0.185		37.20	29.50	549	371	3.910	14.5	3.830	0.412	16.9
PTC-1b Meas		0.02	7.80	0.08	0.21																		
PTC-1b Cert		0.02	7.97	0.08	0.2083																		
SdAR-M2 (U.S.G.S.) Meas										958	7	1.0		5.1	84	13.2	42	235	1.6		3.5		44.5
SdAR-M2 (U.S.G.S.) Cert										990	6.6	1.05		5.1	98.8	12.4	49.6	236.0000	1.82		7.29		46.6
SdAR-M2 (U.S.G.S.) Meas										890	6	1.0		5.0	77	11.8	37	231	1.6		3.3		40.4
SdAR-M2 (U.S.G.S.) Cert										990	6.6	1.05		5.1	98.8	12.4	49.6	236.0000	1.82		7.29		46.6
CCU-1e Meas		0.11		0.71	3.01																		
CCU-1e Cert		0.101		0.703	3.02																		
409656 Orig	< 0.1					6.67	0.1	< 1	< 100	391	< 1	0.2	2.66	< 0.1	31	24.8	60	306	3.4	11.1	2.1	1.02	14.7
409656 Dup	< 0.1					6.43	0.2	< 1	< 100	396	< 1	0.2	2.80	< 0.1	31	25.7	61	305	3.5	11.4	2.0	0.96	15.0
409686 Orig		1.21	0.318	< 0.01	< 0.01																		
409686 Dup		1.24	0.319	< 0.01	< 0.01																		
409694 Orig	< 0.1					7.89	0.2	2	< 100	174	< 1	1.0	3.36	0.2	30	49.7	63	195	1.1	12.1	1.6	0.83	14.2
409694 Dup	< 0.1					7.60	0.2	< 1	< 100	175	< 1	1.0	3.25	0.1	29	49.8	60	197	1.1	11.7	1.5	0.81	13.9
409696 Orig	< 0.1					9.71	< 0.1	14	< 100	574	< 1	0.2	3.72	< 0.1	27	32.3	57	269	0.5	7.47	2.0	1.38	12.6

Analyte Symbol	Te	As	Cu	Pb	Zn	Al	Ag	As	Au	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Cs	Fe	Hf	K	La
Unit Symbol	ppm	%	%	%	%	%	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm
Lower Limit	0.1	0.01	0.005	0.01	0.01	0.01	0.1	1	100	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.1	0.01	0.1	0.01	0.1
Method Code	TD-MS	FUS-Na2O2	FUS-Na2O2	FUS-Na2O2	FUS-Na2O2	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
409696 Dup	< 0.1					8.74	< 0.1	19	< 100	554	1	0.2	3.57	< 0.1	30	34.6	55	258	0.5	7.29	1.7	1.59	14.1
409732 Orig	< 0.1					6.93	< 0.1	37	< 100	269	< 1	0.1	6.02	< 0.1	28	30.1	99	21.4	1.6	7.18	0.9	1.81	13.3
409732 Dup	< 0.1					6.99	< 0.1	37	< 100	258	< 1	0.1	6.23	< 0.1	27	29.6	87	18.8	1.5	7.13	0.9	1.76	12.6
409737 Orig	< 0.1					7.21	< 0.1	8	< 100	325	< 1	0.1	3.32	0.2	12	36.2	30	123	0.3	7.87	2.2	0.81	5.4
409737 Dup	< 0.1					7.53	< 0.1	9	< 100	347	< 1	0.1	3.46	0.2	13	38.6	35	117	0.3	8.57	1.9	0.88	5.8
409768 Orig	< 0.1					4.32	0.1	292	< 100	551	2	0.2	0.68	< 0.1	15	0.8	79	94.6	0.3	0.76	2.9	2.00	7.2
409768 Dup	< 0.1					4.70	0.1	295	< 100	568	2	0.2	0.70	< 0.1	13	0.9	87	67.4	0.3	0.79	3.0	2.02	6.9
409778 Orig	< 0.1					3.58	0.3	482	400	515	2	0.3	0.60	< 0.1	18	0.6	73	52.3	0.2	0.81	2.9	1.82	9.4
409778 Dup	< 0.1					4.39	0.2	478	100	591	2	0.4	0.69	< 0.1	22	0.7	71	57.3	0.2	0.86	3.1	2.08	11.6
409780 Orig	3.7					4.51	8.6	12	> 2000	300	< 1	< 0.1	3.85	0.3	19	10.1	22	58.6	3.7	2.89	1.9	1.33	10.3
409780 Dup	3.2					4.73	8.5	10	> 2000	295	< 1	< 0.1	3.49	0.3	20	9.9	22	59.5	3.6	2.83	1.9	1.09	10.4
409807 Orig	< 0.1					7.70	< 0.1	7	< 100	178	< 1	< 0.1	5.99	< 0.1	46	28.9	47	153	0.2	8.39	1.6	0.62	22.3
409807 Dup	< 0.1					7.74	< 0.1	8	< 100	170	1	< 0.1	5.84	< 0.1	43	29.6	42	160	0.2	8.10	1.3	0.61	20.8
409832 Orig	< 0.1					5.39	< 0.1	< 1	< 100	389	< 1	< 0.1	5.27	< 0.1	27	52.0	1080	38.9	1.9	7.80	1.9	0.98	12.0
409832 Dup	< 0.1					5.63	< 0.1	< 1	< 100	396	< 1	< 0.1	5.48	< 0.1	27	54.0	883	42.3	2.0	8.05	2.0	1.04	12.4
409850 Orig	< 0.1					7.04	0.3	9	300	142	< 1	0.4	5.03	< 0.1	25	56.6	57	1420	0.3	7.23	2.2	0.90	13.6
409850 Dup	< 0.1					7.59	0.4	9	200	151	< 1	0.3	5.25	< 0.1	28	59.4	44	1460	0.3	7.49	1.3	0.93	15.7
409870 Orig	< 0.1					4.54	< 0.1	4	< 100	321	< 1	< 0.1	1.52	< 0.1	9	5.4	188	8.0	0.6	1.45	1.5	0.93	3.0
409870 Dup	< 0.1					6.54	< 0.1	8	< 100	367	< 1	< 0.1	1.70	< 0.1	17	5.7	149	8.3	0.7	1.58	1.6	1.28	8.6
Method Blank						< 0.01	< 0.1	< 1	< 100	< 1	< 1	< 0.1	< 0.01	< 0.1	< 1	< 0.2	2	0.3	< 0.1	< 0.01	< 0.1	< 0.01	< 0.1
Method Blank						< 0.01	< 0.1	< 1	< 100	< 1	< 1	< 0.1	< 0.01	< 0.1	< 1	< 0.2	2	0.1	< 0.1	< 0.01	< 0.1	< 0.01	< 0.1
Method Blank						< 0.01	< 0.1	< 1	< 100	< 1	< 1	< 0.1	< 0.01	< 0.1	< 1	< 0.2	5	0.1	< 0.1	< 0.01	< 0.1	< 0.01	< 0.1
Method Blank						0.01	< 0.1	< 1	< 100	< 1	< 1	< 0.1	0.10	< 0.1	< 1	< 0.2	5	0.2	< 0.1	< 0.01	< 0.1	< 0.01	0.2
Method Blank	< 0.1																						
Method Blank	< 0.1																						
Method Blank	< 0.1																						
Method Blank	< 0.1																						
Method Blank		< 0.01	< 0.005	< 0.01	< 0.01																		
Method Blank		< 0.01	< 0.005	< 0.01	< 0.01																		

Analyte Symbol	Li	Na	Nb	Ni	P	Rb	Pb	S	Mg	Mn	Mo	Sb	Sc	Sn	Sr	Ta	Th	Ti	Tl	U	V	W	Y
Unit Symbol	ppm	%	ppm	ppm	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.001	0.1	0.1	0.001	0.1	0.1	1	0.01	1	0.1	0.1	1	0.1	1	0.1	0.1	0.001	0.05	0.1	4	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-1 Meas	7.0	0.039	0.7	39.6	0.057	2.9	813	< 1	0.18	839	18.8	15.0	2	22.7	314	< 0.1	2.5	0.027	0.37	31.5	80	145	27.1
GXR-1 Cert	8.20	0.0520	0.800	41.0	0.0650	14.0	730	0.257	0.217	852	18.0	122	1.58	54.0	275	0.175	2.44	0.036	0.390	34.9	80.0	164	32.0
GXR-1 Meas	7.2	0.042	0.6	42.9	0.058	2.7	763	< 1	0.20	797	17.9	23.7	1	24.0	301	< 0.1	2.3	0.023	0.35	30.3	83	150	26.5
GXR-1 Cert	8.20	0.0520	0.800	41.0	0.0650	14.0	730	0.257	0.217	852	18.0	122	1.58	54.0	275	0.175	2.44	0.036	0.390	34.9	80.0	164	32.0
DH-1a Meas																	834			2220			
DH-1a Cert																	910			2629			
DH-1a Meas																	932			2600			
DH-1a Cert																	910			2629			
GXR-4 Meas	12.0	0.540	10.0	41.5	0.143	124	52.4	2	1.80	152	329	4.3	8	7.2	217	0.7	19.5	0.316	3.36	5.6	89	40.0	12.9
GXR-4 Cert	11.1	0.564	10.0	42.0	0.120	160	52.0	1.77	1.66	155	310	4.80	7.70	5.60	221	0.790	22.5	0.29	3.20	6.20	87.0	30.8	14.0
GXR-4 Meas	9.8	0.468	9.1	37.4	0.132	104	46.2	2	1.66	126	296	4.0	7	6.3	197	0.6	16.9	0.266	2.91	5.2	87	35.7	11.8
GXR-4 Cert	11.1	0.564	10.0	42.0	0.120	160	52.0	1.77	1.66	155	310	4.80	7.70	5.60	221	0.790	22.5	0.29	3.20	6.20	87.0	30.8	14.0
PTM-1a Meas																							
PTM-1a Cert																							
SDC-1 Meas	33.3	1.44	< 0.1	35.7	0.058	111	24.9		1.02	826		< 0.1	16	0.3	173	< 0.1	11.5	0.097	0.62	2.6	31	< 0.1	
SDC-1 Cert	34.0	1.52	21.00	38.0	0.0690	127.00	25.00		1.02	880.00		0.54	17.00	3.00	180.00	1.20	12.00	0.606	0.70	3.10	102.00	0.80	
SDC-1 Meas	33.4	1.43	< 0.1	35.1	0.058	102	24.7		1.03	781		< 0.1	16	0.4	173	< 0.1	11.0	0.092	0.62	2.7	34	< 0.1	
SDC-1 Cert	34.0	1.52	21.00	38.0	0.0690	127.00	25.00		1.02	880.00		0.54	17.00	3.00	180.00	1.20	12.00	0.606	0.70	3.10	102.00	0.80	
GXR-6 Meas	34.1	0.093	< 0.1	25.6	0.035	76.0	102	< 1	0.60	967	0.2	0.2	28	0.7	34	< 0.1	4.8		2.12	1.4	107	< 0.1	11.3
GXR-6 Cert	32.0	0.104	7.50	27.0	0.0350	90.0	101	0.0160	0.609	1010	2.40	3.60	27.6	1.70	35.0	0.485	5.30		2.20	1.54	186	1.90	14.0
GXR-6 Meas	33.3	0.078	< 0.1	24.9	0.037	76.7	97.2	< 1	0.63	972	0.4	0.5	27	0.7	35	< 0.1	4.8		2.13	1.4	121	< 0.1	11.4
GXR-6 Cert	32.0	0.104	7.50	27.0	0.0350	90.0	101	0.0160	0.609	1010	2.40	3.60	27.6	1.70	35.0	0.485	5.30		2.20	1.54	186	1.90	14.0
CD-1 Meas																							
CD-1 Cert																							
Oreas 74a (Fusion) Meas																							
Oreas 74a (Fusion) Cert																							
OREAS 134b (Fusion) Meas																							
OREAS 134b (Fusion) Cert																							
MP-1b Meas																							
MP-1b Cert																							
DNC-1a Meas	4.3		1.4	265		3.3	6.6					0.7	32		143			0.316			137		14.7
DNC-1a Cert	5.2		3	247		5	6.3					0.96	31		144			0.29			148		18.0
DNC-1a Meas	4.4		1.5	271		3.1	6.4					0.7	33		148			0.314			152		14.6
DNC-1a Cert	5.2		3	247		5	6.3					0.96	31		144			0.29			148		18.0
CPB-2 Meas																							
CPB-2 Cert																							
CZN-4 Meas																							
CZN-4 Cert																							
SBC-1 Meas	154		10.0	85.0		116	35.8				2.3	1.0	21	3.1	172	0.7	14.6	0.499	0.86	5.4	230	1.5	27.6

Analyte Symbol	Li	Na	Nb	Ni	P	Rb	Pb	S	Mg	Mn	Mo	Sb	Sc	Sn	Sr	Ta	Th	Ti	Tl	U	V	W	Y
Unit Symbol	ppm	%	ppm	ppm	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.001	0.1	0.1	0.001	0.1	0.1	1	0.01	1	0.1	0.1	1	0.1	1	0.1	0.1	0.001	0.05	0.1	4	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	163		15.3	82.8		147	35.0				2.4	1.01	20.0	3.3	178.0	1.10	15.8	0.51	0.89	5.76	220.0	1.60	36.5
SBC-1 Meas	162		15.4	88.7		151	35.6				2.6	1.2	21	3.5	179	0.9	15.0	0.576	0.90	5.5	262	1.7	29.1
SBC-1 Cert	163		15.3	82.8		147	35.0				2.4	1.01	20.0	3.3	178.0	1.10	15.8	0.51	0.89	5.76	220.0	1.60	36.5
Arsenic (III) Oxide Meas																							
Arsenic (III) Oxide Cert																							
Arsenic (III) Oxide Meas																							
Arsenic (III) Oxide Cert																							
Arsenic (III) Oxide Meas																							
Arsenic (III) Oxide Cert																							
OREAS 45d (4-Acid) Meas	21.4	0.089	0.2	228	0.032	39.1	22.0	< 1	0.18	450	0.2	< 0.1	52	0.4	29	< 0.1	13.9	0.119	0.23	2.6	83	< 0.1	10.2
OREAS 45d (4-Acid) Cert	21.5	0.101	14.50	231.0	0.042	42.1	21.8	0.049	0.245	490.000	2.500	0.82	49.30	2.78	31.30	1.02	14.5	0.773	0.27	2.63	235.0	1.62	9.53
OREAS 45d (4-Acid) Meas	21.5	0.102	0.2	241	0.038	40.6	21.3	< 1	0.23	479	0.2	< 0.1	54	0.7	30	< 0.1	13.5	0.217	0.23	2.6	114	< 0.1	10.7
OREAS 45d (4-Acid) Cert	21.5	0.101	14.50	231.0	0.042	42.1	21.8	0.049	0.245	490.000	2.500	0.82	49.30	2.78	31.30	1.02	14.5	0.773	0.27	2.63	235.0	1.62	9.53
PTC-1b Meas																							
PTC-1b Cert																							
SdAR-M2 (U.S.G.S.) Meas	18.2		3.9	50.0		127	851				12.1		4		137	0.1	13.4			2.3	27	0.3	22.6
SdAR-M2 (U.S.G.S.) Cert	17.9		26.2	48.8		149	808				13.3		4.1		144	1.8	14.2			2.53	25.2	2.8	32.7
SdAR-M2 (U.S.G.S.) Meas	17.0		3.2	47.5		112	794				9.4		4		138	0.2	12.3			2.1	23	0.2	22.1
SdAR-M2 (U.S.G.S.) Cert	17.9		26.2	48.8		149	808				13		4.1		144	1.8	14.2			2.53	25.2	2.8	32.7
CCU-1e Meas																							
CCU-1e Cert																							
409656 Orig	32.1	1.03	0.6	12.4	0.096	64.2	2.3	< 1	1.94	642	0.6	< 0.1	22	0.2	175	< 0.1	1.5	0.416	0.80	0.8	141	0.2	18.4
409656 Dup	32.1	1.03	0.5	13.3	0.101	64.9	2.3	< 1	1.87	634	0.5	< 0.1	21	0.2	173	< 0.1	1.6	0.417	0.83	0.8	137	0.1	18.3
409686 Orig																							
409686 Dup																							
409694 Orig	22.1	1.41	3.8	22.2	0.079	37.6	1.9	2	2.34	1320	2.3	< 0.1	24	1.1	159	0.1	1.9	0.687	0.20	0.7	226	0.2	18.0
409694 Dup	22.7	1.34	0.7	21.0	0.076	37.7	2.1	2	2.34	1270	1.3	0.1	22	1.2	154	< 0.1	1.9	0.579	0.19	0.7	176	< 0.1	17.9
409696 Orig	12.8	2.68	4.2	4.5	0.102	40.0	2.8	< 1	1.82	893	2.5	0.9	19	0.8	338	0.2	1.3	0.545	0.44	0.8	105	0.5	17.5
409696 Dup	12.4	2.36	2.9	4.9	0.097	44.9	2.7	< 1	1.74	863	1.6	0.6	19	0.8	317	0.2	1.5	0.416	0.40	0.8	84	0.3	18.3
409732 Orig	22.3	1.01	0.5	68.3	0.083	68.8	1.9	< 1	3.59	1130	0.2	0.2	23	0.2	207	< 0.1	1.4	0.310	0.43	0.6	89	5.2	12.8
409732 Dup	21.2	0.965	0.4	64.4	0.076	65.3	1.6	< 1	3.51	1080	0.3	0.1	23	0.3	195	< 0.1	1.4	0.342	0.40	0.6	93	2.8	12.2

Analyte Symbol	Li	Na	Nb	Ni	P	Rb	Pb	S	Mg	Mn	Mo	Sb	Sc	Sn	Sr	Ta	Th	Ti	Tl	U	V	W	Y
Unit Symbol	ppm	%	ppm	ppm	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.001	0.1	0.1	0.001	0.1	0.1	1	0.01	1	0.1	0.1	1	0.1	1	0.1	0.1	0.001	0.05	0.1	4	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
409737 Orig	19.2	3.50	1.8	20.9	0.048	24.6	10.3	< 1	3.63	1520	1.6	1.1	43	1.5	80	< 0.1	0.9	0.671	0.15	0.4	310	1.1	23.2
409737 Dup	20.5	3.48	0.5	21.8	0.049	26.2	12.0	< 1	3.91	1690	0.9	1.2	47	1.7	86	< 0.1	0.9	0.573	0.16	0.4	263	0.6	24.2
409768 Orig	1.4	3.23	10.2	1.9	0.004	51.2	15.0	< 1	< 0.01	60	10.4	0.6	< 1	0.9	63	0.8	3.5	0.014	0.19	1.5	< 4	1.5	6.5
409768 Dup	1.4	3.35	11.5	3.1	0.005	51.8	16.5	< 1	< 0.01	69	10.2	0.6	< 1	0.9	69	1.3	3.3	0.016	0.19	1.6	< 4	1.5	6.7
409778 Orig	1.5	3.43	10.9	2.1	0.005	39.3	15.6	< 1	0.01	52	10.2	0.6	< 1	1.5	76	1.2	5.5	0.015	0.15	2.1	< 4	1.5	7.4
409778 Dup	1.8	3.36	11.5	2.3	0.005	45.5	16.7	< 1	0.02	60	10.4	0.6	< 1	2.3	93	1.1	6.4	0.017	0.17	2.7	< 4	1.7	9.4
409780 Orig	38.9	1.33	2.2	10.1	0.060	48.8	20.0	< 1	1.13	782	5.0	1.9	11	0.7	293	0.1	2.4	0.274	0.51	0.7	95	1.8	8.2
409780 Dup	39.3	1.24	1.6	10.7	0.058	48.6	17.4	< 1	1.09	725	5.0	1.7	11	0.8	292	< 0.1	2.4	0.272	0.52	0.7	93	1.4	8.2
409807 Orig	12.6	1.67	0.4	12.4	0.140	16.5	2.8	< 1	2.04	1210	0.4	0.2	31	0.7	364	< 0.1	2.6	0.311	0.10	1.3	113	< 0.1	32.0
409807 Dup	12.3	1.56	0.2	11.3	0.132	15.5	2.7	< 1	2.02	1180	0.3	0.3	29	0.6	343	< 0.1	2.5	0.224	0.10	1.2	100	< 0.1	30.4
409832 Orig	20.8	1.09	0.1	484	0.058	37.2	1.8	< 1	7.70	1080	0.5	< 0.1	28	0.3	80	< 0.1	1.5	0.283	0.28	0.6	196	< 0.1	13.5
409832 Dup	22.2	1.17	0.7	503	0.069	40.0	1.9	< 1	7.94	1100	0.6	< 0.1	29	0.2	82	< 0.1	1.6	0.438	0.27	0.6	206	0.1	14.2
409850 Orig	11.2	2.21	0.3	10.3	0.064	31.3	2.5	< 1	1.75	750	0.8	< 0.1	21	1.5	333	< 0.1	1.1	0.322	0.18	1.4	134	< 0.1	15.9
409850 Dup	11.8	2.20	0.1	11.3	0.065	34.7	2.3	< 1	1.88	789	0.4	0.1	23	2.0	339	< 0.1	1.3	0.190	0.18	1.5	101	< 0.1	17.2
409870 Orig	7.6	2.63	2.8	20.7	0.018	26.1	7.2	< 1	0.47	254	11.3	< 0.1	4	0.6	284	0.2	0.5	0.161	0.21	0.2	36	0.4	3.7
409870 Dup	8.2	2.79	1.6	22.0	0.023	44.3	7.7	< 1	0.56	287	10.7	< 0.1	6	0.6	363	< 0.1	1.3	0.165	0.23	0.3	42	0.2	5.7
Method Blank	< 0.1	0.001	< 0.1	0.2	< 0.001	0.1	0.9	< 1	< 0.01	5	< 0.1	< 0.1	< 1	< 0.1	< 1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.1	< 4	< 0.1	< 0.1
Method Blank	< 0.1	0.001	< 0.1	0.2	< 0.001	0.2	0.8	< 1	< 0.01	5	< 0.1	< 0.1	< 1	0.2	< 1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.1	< 4	< 0.1	< 0.1
Method Blank	< 0.1	0.002	< 0.1	0.2	< 0.001	0.2	0.9	< 1	< 0.01	7	< 0.1	< 0.1	< 1	0.2	< 1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.1	< 4	< 0.1	< 0.1
Method Blank	0.1	0.003	< 0.1	0.3	0.001	< 0.1	0.8	< 1	< 0.01	7	< 0.1	< 0.1	< 1	0.7	< 1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.1	< 4	< 0.1	< 0.1
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							

Analyte Symbol	Zn	Zr
Unit Symbol	ppm	ppm
Lower Limit	1	0.1
Method Code	TD-MS	TD-MS
GXR-1 Meas	755	21.6
GXR-1 Cert	760	38.0
GXR-1 Meas	691	21.7
GXR-1 Cert	760	38.0
DH-1a Meas		
DH-1a Cert		
DH-1a Meas		
DH-1a Cert		
GXR-4 Meas	72	42.9
GXR-4 Cert	73.0	186
GXR-4 Meas	62	37.1
GXR-4 Cert	73.0	186
PTM-1a Meas		
PTM-1a Cert		
SDC-1 Meas	108	23.2
SDC-1 Cert	103.00	290.00
SDC-1 Meas	104	23.4
SDC-1 Cert	103.00	290.00
GXR-6 Meas	131	59.0
GXR-6 Cert	118	110
GXR-6 Meas	125	61.6
GXR-6 Cert	118	110
CD-1 Meas		
CD-1 Cert		
Oreas 74a (Fusion) Meas		
Oreas 74a (Fusion) Cert		
OREAS 134b (Fusion) Meas		
OREAS 134b (Fusion) Cert		
MP-1b Meas		
MP-1b Cert		
DNC-1a Meas	63	38.9
DNC-1a Cert	70	38.0
DNC-1a Meas	61	38.7
DNC-1a Cert	70	38.0
CPB-2 Meas		
CPB-2 Cert		
CZN-4 Meas		
CZN-4 Cert		
SBC-1 Meas	189	115

Analyte Symbol	Zn	Zr
Unit Symbol	ppm	ppm
Lower Limit	1	0.1
Method Code	TD-MS	TD-MS
SBC-1 Cert	186	134.0
SBC-1 Meas	190	125
SBC-1 Cert	186	134.0
Arsenic (III) Oxide Meas		
Arsenic (III) Oxide Cert		
Arsenic (III) Oxide Meas		
Arsenic (III) Oxide Cert		
Arsenic (III) Oxide Meas		
Arsenic (III) Oxide Cert		
OREAS 45d (4-Acid) Meas	40	43.5
OREAS 45d (4-Acid) Cert	45.7	141
OREAS 45d (4-Acid) Meas	40	57.0
OREAS 45d (4-Acid) Cert	45.7	141
PTC-1b Meas		
PTC-1b Cert		
SdAR-M2 (U.S.G.S.) Meas	807	113
SdAR-M2 (U.S.G.S.) Cert	760	259
SdAR-M2 (U.S.G.S.) Meas	752	97.1
SdAR-M2 (U.S.G.S.) Cert	760	259
CCU-1e Meas		
CCU-1e Cert		
409656 Orig	67	79.9
409656 Dup	66	81.6
409686 Orig		
409686 Dup		
409694 Orig	120	58.9
409694 Dup	120	51.8
409696 Orig	54	71.5
409696 Dup	53	59.3
409732 Orig	56	33.7
409732 Dup	49	33.0

Analyte Symbol	Zn	Zr
Unit Symbol	ppm	ppm
Lower Limit	1	0.1
Method Code	TD-MS	TD-MS
409737 Orig	89	73.8
409737 Dup	98	62.4
409768 Orig	3	64.0
409768 Dup	5	67.7
409778 Orig	3	64.0
409778 Dup	10	67.4
409780 Orig	57	64.3
409780 Dup	59	62.4
409807 Orig	66	55.4
409807 Dup	67	45.3
409832 Orig	68	64.4
409832 Dup	66	70.2
409850 Orig	42	75.5
409850 Dup	45	41.3
409870 Orig	16	50.9
409870 Dup	17	52.4
Method Blank	< 1	0.2
Method Blank	< 1	0.4
Method Blank	< 1	0.3
Method Blank	< 1	< 0.1
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		

Quality Analysis ... *Innovative Technologies*

Date Submitted: 14-Sep-17
Invoice No.: A17-10014 (i)
Invoice Date: 18-Oct-17
Your Reference: SG17-1337 39185-A TRUE NORTH NICKE

Techni-Lab Abitibi Inc.(Actlabs)
184 Rue Principale
Ste-Germaine-Boule Quebec J0Z 1M0
Canada

ATTN: Andre Caouette

CERTIFICATE OF ANALYSIS

201 Pulp samples were submitted for analysis.

The following analytical package(s) were requested: Code UT-4M Total Digestion ICP/MS

REPORT **A17-10014 (i)**

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:

Any values for Au are for informational purposes and should be checked by fire assay code 1A2

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
41 Bittern Street, Ancaster, Ontario, Canada, L9G 4V5
TELEPHONE +905 648-9611 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Ancaster@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Te	Cu	Pb	Zn	Ag	Al	As	Au	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe	Hf	K	La	Li
Unit Symbol	ppm	%	%	%	ppm	%	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm
Lower Limit	0.1	0.005	0.01	0.01	0.1	0.01	1	100	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.1	0.01	0.1	0.01	0.1	0.1
Method Code	TD-MS	FUS-Na2O2	FUS-Na2O2	FUS-Na2O2	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
410224	< 0.1				< 0.1	7.25	20	< 100	645	1	< 0.1	2.10	< 0.1	37	4.7	92	0.6	2.1	2.85	2.1	1.80	16.5	13.3
410225	< 0.1				< 0.1	7.22	2	< 100	615	1	< 0.1	2.22	< 0.1	36	4.6	93	0.8	1.5	2.66	2.5	1.90	16.9	12.1
410226	< 0.1				< 0.1	6.94	2	< 100	591	1	< 0.1	2.52	< 0.1	33	4.1	90	0.6	10.4	2.07	2.4	1.67	15.4	10.9
410227	< 0.1				< 0.1	7.78	8	< 100	585	1	< 0.1	2.90	< 0.1	35	9.4	80	0.3	1.3	3.82	1.8	1.78	15.7	11.3
410228	< 0.1				< 0.1	6.21	2	< 100	517	1	< 0.1	2.22	< 0.1	28	4.5	122	0.9	1.4	2.58	2.3	1.66	12.5	11.0
410229	< 0.1				< 0.1	6.23	2	< 100	456	1	< 0.1	2.06	< 0.1	28	4.0	97	0.9	3.2	2.41	2.4	1.24	12.7	9.6
410230 MR	0.6	3.02	0.62	2.39	41.7	3.94	111	600	63	< 1	21.6	1.45	128	25	269	36	1.1	> 10000	15.6	2.8	0.87	9.5	9.2
410231	< 0.1				< 0.1	6.95	< 1	< 100	412	1	< 0.1	1.38	< 0.1	35	3.8	130	0.4	6.1	2.52	2.9	1.48	14.6	7.9
410232	< 0.1				< 0.1	7.29	< 1	< 100	416	1	< 0.1	1.34	< 0.1	36	4.9	119	0.4	2.0	3.29	3.0	1.82	15.2	11.0
410233	< 0.1				< 0.1	6.64	< 1	< 100	382	1	< 0.1	2.70	< 0.1	34	4.8	110	0.4	10.2	2.72	2.6	1.54	15.6	8.3
410234	< 0.1				< 0.1	7.13	15	100	544	2	0.5	3.00	< 0.1	33	10.9	69	0.6	43.9	3.65	2.6	2.91	15.1	9.8
410235	< 0.1				< 0.1	8.66	18	< 100	828	2	< 0.1	11.1	< 0.1	41	11.8	19	1.0	3.6	5.47	2.4	3.74	18.4	9.6
410236	< 0.1				< 0.1	6.02	29	< 100	454	1	0.4	3.52	0.2	32	10.1	87	0.6	79.9	2.99	2.4	1.63	14.9	4.8
410237	< 0.1				< 0.1	6.95	2	< 100	421	1	0.4	2.88	< 0.1	34	7.0	82	0.4	27.0	3.19	2.2	1.46	15.2	8.5
410238	< 0.1				< 0.1	6.26	< 1	< 100	346	1	0.1	2.13	0.1	26	4.1	94	0.4	20.7	2.67	2.2	1.34	10.9	6.5
410239	< 0.1				< 0.1	6.92	< 1	< 100	429	1	< 0.1	2.71	< 0.1	31	3.9	106	0.4	3.5	2.35	2.7	1.74	13.4	6.5
410240 BLC	< 0.1				< 0.1	6.43	1	< 100	403	1	< 0.1	1.70	< 0.1	18	6.1	123	0.8	8.3	1.53	1.3	1.25	8.3	8.4
410241	< 0.1				< 0.1	7.26	< 1	< 100	426	1	< 0.1	2.12	< 0.1	32	4.1	92	0.5	4.5	2.35	3.1	1.62	14.4	6.5
410242	< 0.1				< 0.1	7.20	< 1	< 100	459	1	< 0.1	2.52	< 0.1	35	4.3	86	0.4	0.7	2.49	2.7	1.84	16.1	7.2
410243	< 0.1				< 0.1	7.13	2	< 100	490	1	< 0.1	2.26	< 0.1	35	4.1	77	0.5	1.5	2.32	2.6	2.02	16.2	7.1
410244	< 0.1				< 0.1	7.09	< 1	< 100	407	1	< 0.1	2.23	< 0.1	30	4.6	96	0.4	2.8	2.69	2.6	1.40	13.9	7.7
410245	< 0.1				< 0.1	7.12	< 1	< 100	490	1	< 0.1	2.25	< 0.1	34	4.4	89	0.7	6.4	2.59	2.8	1.47	15.4	10.8
410246	< 0.1				< 0.1	7.50	< 1	< 100	428	1	< 0.1	2.28	< 0.1	31	5.1	93	0.5	1.2	2.74	2.5	1.38	13.3	8.7
410247	< 0.1				< 0.1	7.02	< 1	< 100	497	1	< 0.1	2.72	< 0.1	34	4.6	92	0.5	3.3	2.55	2.7	2.43	15.5	8.7
410248	< 0.1				< 0.1	5.32	3	< 100	460	< 1	< 0.1	5.62	< 0.1	18	20.8	39	0.4	< 0.1	7.42	2.0	1.38	5.7	20.2
410249	< 0.1				< 0.1	7.20	< 1	< 100	404	1	< 0.1	2.16	< 0.1	35	4.3	113	0.4	0.9	2.66	2.9	1.37	16.0	7.0
410250	< 0.1				< 0.1	7.36	< 1	< 100	412	1	< 0.1	2.22	< 0.1	34	4.9	80	0.3	< 0.1	2.62	2.7	1.36	15.7	7.0
410251	< 0.1				< 0.1	7.06	1	< 100	557	1	< 0.1	2.28	< 0.1	33	4.5	98	0.6	0.2	2.75	2.8	1.63	14.4	9.4
410252	0.1				0.5	5.83	48	400	113	1	4.7	3.67	10.6	25	24.6	72	0.4	161	3.18	2.6	1.68	11.4	5.5
410253	< 0.1				< 0.1	8.11	< 1	< 100	891	2	0.2	3.43	< 0.1	54	27.0	190	1.3	9.3	5.98	2.1	2.22	25.5	19.5
410254	< 0.1				< 0.1	5.84	< 1	< 100	267	1	< 0.1	4.12	0.1	43	51.0	589	0.6	22.9	5.90	2.5	0.64	19.1	18.6
410255	< 0.1				< 0.1	4.98	< 1	< 100	37	< 1	< 0.1	6.34	0.1	16	66.5	631	0.3	24.4	6.21	1.8	0.17	6.5	15.7
410256	< 0.1				< 0.1	10.1	< 1	> 2000	1040	3	0.5	1.18	0.2	96	17.9	140	1.6	37.0	5.00	3.3	3.52	45.8	21.7
410257	< 0.1				< 0.1	8.38	< 1	1800	748	2	0.6	1.56	< 0.1	69	14.6	85	1.3	14.6	4.56	2.6	2.89	31.4	16.6
410258	< 0.1				< 0.1	5.68	< 1	< 100	613	< 1	0.4	3.34	< 0.1	26	30.6	82	0.7	60.4	7.64	3.0	1.45	8.7	11.2
410259	< 0.1				< 0.1	6.60	< 1	< 100	401	< 1	0.1	4.37	< 0.1	42	32.1	51	0.6	56.4	7.98	2.5	0.86	18.5	10.1
410260 MR	0.2				0.5	4.52	219	400	132	< 1	5.9	3.95	< 0.1	94	387	39	0.7	5590	19.6	3.1	2.92	77.2	15.2
410261	< 0.1				< 0.1	7.98	< 1	< 100	233	< 1	0.1	5.15	< 0.1	25	30.5	80	0.4	43.7	8.31	0.6	0.70	9.9	8.9
410262	< 0.1				< 0.1	7.88	< 1	< 100	495	1	0.1	3.84	< 0.1	28	19.5	115	0.7	28.8	6.64	1.4	1.47	10.5	13.2
410263	< 0.1				< 0.1	7.87	< 1	< 100	363	< 1	0.2	4.79	< 0.1	27	24.5	76	0.6	54.7	7.04	1.0	1.36	11.3	10.1
410264	< 0.1				< 0.1	8.13	< 1	< 100	310	1	0.2	4.98	< 0.1	27	21.6	67	0.6	41.1	6.69	1.0	1.21	11.2	8.0

Analyte Symbol	Te	Cu	Pb	Zn	Ag	Al	As	Au	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe	Hf	K	La	Li
Unit Symbol	ppm	%	%	%	ppm	%	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm
Lower Limit	0.1	0.005	0.01	0.01	0.1	0.01	1	100	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.1	0.01	0.1	0.01	0.1	0.1
Method Code	TD-MS	FUS-Na2O2	FUS-Na2O2	FUS-Na2O2	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
410265	< 0.1				< 0.1	6.26	8	< 100	267	< 1	0.2	6.93	< 0.1	17	44.2	295	0.5	40.6	7.84	1.0	0.98	7.1	8.7
410266	< 0.1				< 0.1	6.08	3	< 100	368	1	< 0.1	5.96	< 0.1	26	45.1	436	0.5	49.6	7.76	2.2	1.02	11.1	12.8
410267	< 0.1				< 0.1	7.25	< 1	< 100	287	1	0.1	3.68	< 0.1	31	15.6	86	0.3	166	6.29	2.6	0.82	13.6	5.4
410268	< 0.1				< 0.1	7.50	3	< 100	442	1	< 0.1	3.82	< 0.1	39	18.8	98	0.8	64.8	5.79	2.2	1.60	17.4	8.9
410269	< 0.1				0.3	6.02	24	< 100	481	1	< 0.1	1.69	< 0.1	23	9.8	139	1.3	114	2.90	4.1	2.45	7.4	3.8
410270 BLC	< 0.1				< 0.1	6.12	< 1	< 100	390	1	< 0.1	1.65	< 0.1	17	6.4	133	0.9	8.7	1.53	1.1	1.26	7.9	8.2
410271	< 0.1				< 0.1	6.83	132	< 100	316	< 1	0.1	3.61	< 0.1	38	24.4	260	1.2	51.4	4.71	2.8	2.13	19.1	2.7
410272	< 0.1				< 0.1	4.77	856	< 100	173	< 1	0.3	6.67	< 0.1	9	81.8	1000	0.5	118	6.20	0.6	1.18	4.8	23.2
410273	< 0.1				< 0.1	3.84	464	< 100	28	< 1	0.2	9.06	< 0.1	4	71.5	750	0.2	39.7	6.43	0.7	0.22	1.7	26.4
410274	< 0.1				< 0.1	3.84	372	< 100	37	< 1	0.2	7.00	0.2	5	75.8	784	0.3	60.4	6.90	0.7	0.34	1.9	26.4
410275	< 0.1				< 0.1	3.53	161	< 100	63	< 1	< 0.1	5.98	< 0.1	6	70.8	710	0.5	72.6	6.62	0.7	0.64	2.2	18.6
410276	< 0.1				< 0.1	3.64	116	< 100	7	< 1	< 0.1	6.11	< 0.1	6	71.5	742	0.1	56.6	6.81	0.7	0.06	2.3	23.9
410277	< 0.1				< 0.1	3.97	116	< 100	6	< 1	< 0.1	7.00	< 0.1	5	68.1	668	< 0.1	38.6	6.74	0.6	0.04	1.7	25.6
410278	< 0.1				< 0.1	3.88	111	< 100	5	< 1	< 0.1	7.86	< 0.1	6	72.4	1250	0.1	57.6	7.33	0.7	0.02	2.0	22.6
410279	< 0.1				< 0.1	3.29	116	< 100	46	< 1	0.1	8.00	0.2	6	67.4	1150	0.2	19.5	6.29	0.7	0.34	2.0	18.0
410280	< 0.1				< 0.1	4.15	67	< 100	14	< 1	< 0.1	7.41	0.2	6	72.9	820	0.2	45.7	6.98	0.7	0.12	2.3	23.9
410281	< 0.1				< 0.1	4.16	80	< 100	15	< 1	< 0.1	7.52	0.1	6	70.5	843	0.2	49.8	6.89	0.7	0.11	2.2	24.3
410282	< 0.1				< 0.1	4.28	149	< 100	25	< 1	< 0.1	7.84	< 0.1	5	70.9	767	0.1	47.2	6.57	0.6	0.21	1.9	25.0
410283	< 0.1				< 0.1	2.99	62	> 2000	88	< 1	0.1	6.88	0.1	6	33.5	347	0.4	12.3	4.22	0.7	0.70	2.3	20.1
410284	< 0.1				< 0.1	3.42	85	< 100	12	< 1	< 0.1	7.06	< 0.1	7	64.6	779	< 0.1	53.5	6.62	0.5	0.09	2.8	25.8
410285	< 0.1				< 0.1	3.42	83	< 100	15	< 1	< 0.1	5.98	< 0.1	6	61.2	765	0.1	83.1	6.33	0.5	0.14	2.1	25.3
410286	< 0.1				< 0.1	3.43	314	< 100	42	< 1	0.1	7.18	0.1	4	64.7	1210	0.2	31.3	6.33	0.6	0.40	1.5	20.1
410287	< 0.1				< 0.1	2.99	235	< 100	32	< 1	< 0.1	7.35	0.1	4	61.5	1140	0.2	7.9	6.59	0.4	0.36	1.5	18.7
410288	< 0.1				< 0.1	2.39	495	< 100	100	< 1	0.2	8.49	< 0.1	6	56.4	829	0.5	75.0	7.26	0.4	0.97	3.0	3.5
410289	< 0.1				< 0.1	2.91	73	< 100	7	< 1	< 0.1	7.92	< 0.1	5	49.3	870	0.1	45.1	7.27	0.6	0.06	1.8	19.0
410290 MR	2.5				4.1	5.57	18	1500	341	1	0.1	3.97	0.4	23	11.5	27	5.9	71.4	3.17	1.8	1.74	10.9	42.7
410291	< 0.1				< 0.1	6.38	46	< 100	353	< 1	< 0.1	4.67	< 0.1	19	38.5	406	0.8	61.0	5.90	1.4	2.23	8.4	13.9
410292	< 0.1				< 0.1	3.97	3	< 100	114	< 1	< 0.1	2.35	< 0.1	5	12.7	143	0.3	33.3	5.19	0.3	0.78	1.9	16.3
410293	< 0.1				< 0.1	7.37	15	900	333	1	0.1	3.66	< 0.1	23	34.3	104	0.7	134	6.47	1.6	2.09	10.2	12.8
410294	< 0.1				< 0.1	7.66	2	< 100	216	1	< 0.1	3.45	0.1	27	25.0	80	0.4	65.7	6.91	1.8	0.62	11.0	9.3
410295	< 0.1				< 0.1	6.67	< 1	< 100	73	1	0.2	5.14	< 0.1	23	22.6	80	0.1	234	5.85	1.1	0.10	10.0	6.9
410296	< 0.1				< 0.1	7.45	< 1	< 100	134	1	< 0.1	3.38	< 0.1	24	18.4	63	0.2	26.9	6.30	1.4	0.22	10.3	11.8
410297	< 0.1				< 0.1	5.17	< 1	< 100	179	1	< 0.1	3.52	< 0.1	16	17.3	81	0.2	19.4	5.77	2.3	0.40	6.3	9.8
410298	< 0.1				< 0.1	6.72	< 1	< 100	320	1	< 0.1	3.53	< 0.1	21	18.3	78	0.5	109	5.63	2.0	0.93	8.8	12.9
410299	< 0.1				< 0.1	4.68	1	< 100	140	< 1	0.1	4.39	< 0.1	14	22.7	225	0.3	149	5.61	0.9	0.40	6.2	10.4
410300 BLC	< 0.1				< 0.1	6.47	< 1	< 100	410	1	< 0.1	1.72	< 0.1	18	6.5	165	0.7	9.2	1.68	1.4	1.25	8.5	8.4
410301	< 0.1				< 0.1	6.76	1	< 100	237	< 1	0.2	5.35	< 0.1	21	31.0	91	0.4	147	8.24	0.5	0.57	9.1	12.7
410302	< 0.1				< 0.1	7.35	< 1	< 100	302	< 1	< 0.1	3.55	< 0.1	26	23.2	59	0.4	99.2	5.89	1.2	0.73	10.4	13.1
410303	< 0.1				< 0.1	5.43	< 1	< 100	107	< 1	< 0.1	7.19	< 0.1	16	41.2	476	0.4	2.2	6.51	0.8	0.32	6.5	20.7
410304	< 0.1				< 0.1	6.36	3	< 100	132	< 1	< 0.1	5.43	< 0.1	22	33.7	308	0.4	2.0	6.45	1.1	0.41	8.4	15.7
410305	< 0.1				< 0.1	6.02	< 1	< 100	155	< 1	< 0.1	5.27	< 0.1	19	34.6	303	0.4	< 0.1	6.38	1.2	0.47	7.8	17.3
410306	0.1				< 0.1	6.38	< 1	< 100	259	< 1	< 0.1	5.52	< 0.1	19	36.2	276	0.4	7.1	6.71	1.0	0.65	7.9	12.6

Analyte Symbol	Te	Cu	Pb	Zn	Ag	Al	As	Au	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe	Hf	K	La	Li
Unit Symbol	ppm	%	%	%	ppm	%	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm
Lower Limit	0.1	0.005	0.01	0.01	0.1	0.01	1	100	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.1	0.01	0.1	0.01	0.1	0.1
Method Code	TD-MS	FUS-Na2O2	FUS-Na2O2	FUS-Na2O2	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
410307	< 0.1				< 0.1	3.27	4	< 100	186	< 1	< 0.1	1.83	0.2	12	13.8	108	0.3	93.2	3.17	0.9	0.48	5.1	5.6
410308	< 0.1				< 0.1	5.36	2	< 100	215	< 1	< 0.1	3.23	< 0.1	17	16.9	75	0.2	57.9	5.15	2.5	0.43	5.2	9.8
410309	< 0.1				< 0.1	5.08	< 1	< 100	56	< 1	< 0.1	8.42	< 0.1	16	40.2	673	0.3	0.4	6.75	1.0	0.16	6.9	14.0
410310	< 0.1				< 0.1	4.59	< 1	< 100	41	< 1	< 0.1	12.0	< 0.1	16	36.6	631	0.3	0.5	6.23	0.8	0.12	6.8	12.9
410311	< 0.1				< 0.1	7.27	2	< 100	541	1	< 0.1	3.52	< 0.1	23	24.5	134	0.7	48.8	5.83	1.7	1.44	9.7	10.7
410312	< 0.1				< 0.1	6.78	5	< 100	494	< 1	0.1	2.91	< 0.1	23	27.7	45	0.7	190	7.01	1.8	1.99	8.6	10.5
410313	< 0.1				< 0.1	6.04	9	< 100	496	< 1	< 0.1	4.52	< 0.1	17	22.4	79	0.8	136	5.89	0.8	2.11	7.3	9.0
410314	< 0.1				< 0.1	6.39	3	< 100	534	1	< 0.1	3.12	0.1	26	17.7	112	0.8	32.9	6.61	1.2	2.31	10.2	10.5
410315	< 0.1				< 0.1	5.25	14	< 100	308	1	< 0.1	4.92	< 0.1	17	41.4	93	0.5	103	6.36	1.1	1.13	7.3	7.9
410316	< 0.1				< 0.1	6.89	6	< 100	289	< 1	< 0.1	4.55	< 0.1	21	30.1	58	0.5	86.4	8.72	0.6	1.07	9.0	12.6
410317	< 0.1				< 0.1	4.12	< 1	< 100	120	< 1	< 0.1	15.6	< 0.1	11	7.1	57	0.2	25.0	3.45	0.9	0.30	4.9	3.5
410318	0.2				0.4	6.67	59	< 100	136	< 1	0.3	2.74	0.2	13	106	126	0.4	1130	6.79	2.0	0.97	4.8	8.0
410319	< 0.1				< 0.1	7.42	2	< 100	415	< 1	< 0.1	3.51	< 0.1	24	23.4	99	0.6	49.7	6.20	1.6	1.30	9.9	8.8
410320 MR	0.5	3.06	0.62	2.38	40.1	4.00	99	600	67	< 1	21.4	1.44	130	25	256	26	1.0	> 10000	15.5	2.8	0.87	9.0	9.2
410321	< 0.1				< 0.1	7.05	7	< 100	579	< 1	< 0.1	3.43	< 0.1	23	26.1	115	0.8	97.9	6.99	1.5	2.65	9.8	7.0
410322	< 0.1				0.1	7.26	16	100	518	< 1	< 0.1	3.79	0.2	26	23.6	59	0.9	232	5.83	2.2	3.36	11.1	3.5
410323	< 0.1				< 0.1	3.94	11	< 100	288	< 1	0.1	7.47	< 0.1	15	10.5	98	0.6	916	3.11	1.3	1.74	7.0	2.2
410324	< 0.1				< 0.1	8.16	8	< 100	305	1	< 0.1	4.39	0.1	31	13.6	88	1.0	78.9	4.07	2.3	3.66	13.2	1.2
410325	< 0.1				< 0.1	5.87	11	< 100	427	< 1	< 0.1	3.13	< 0.1	19	19.7	101	0.8	84.7	5.91	2.3	2.27	7.4	0.8
410326	< 0.1				< 0.1	6.86	4	< 100	484	1	< 0.1	3.29	0.1	23	16.6	71	0.9	151	5.69	1.8	1.92	9.8	1.4
410327	< 0.1				0.2	2.21	17	< 100	140	< 1	< 0.1	1.24	< 0.1	11	9.3	178	0.4	23.7	3.60	0.7	0.97	4.6	0.6
410328	< 0.1				0.2	8.00	14	< 100	499	1	0.1	2.68	< 0.1	27	25.1	60	1.1	130	5.22	2.3	1.91	11.8	6.7
410329	< 0.1				0.2	3.83	6	< 100	272	< 1	< 0.1	4.33	0.1	15	7.5	124	0.5	175	2.81	1.1	1.50	6.6	1.0
410330 BLC	< 0.1				< 0.1	6.29	< 1	< 100	392	1	< 0.1	1.69	< 0.1	18	6.5	141	0.8	7.4	1.56	1.0	1.19	8.6	8.8
410331	< 0.1				0.3	6.36	4	< 100	474	< 1	< 0.1	4.51	< 0.1	19	11.6	84	0.9	31.5	5.30	1.3	2.87	8.8	1.3
410332	< 0.1				0.2	6.42	12	< 100	484	< 1	0.1	4.83	0.1	21	26.0	60	0.8	61.3	6.83	1.1	2.96	9.1	1.0
410333	< 0.1				< 0.1	6.39	6	< 100	509	< 1	< 0.1	4.03	< 0.1	22	14.9	59	0.8	87.0	5.06	1.3	2.58	9.4	1.5
410334	< 0.1				< 0.1	7.00	5	< 100	589	< 1	< 0.1	4.05	0.1	24	16.2	72	1.0	35.3	5.40	1.1	2.92	10.6	2.2
410335	< 0.1				< 0.1	4.17	17	< 100	457	< 1	0.1	4.12	0.2	12	23.2	84	0.7	138	5.24	1.8	1.98	4.1	1.5
410336	< 0.1				< 0.1	6.98	7	< 100	477	< 1	< 0.1	4.11	< 0.1	24	17.6	72	0.9	103	5.48	2.0	1.83	10.6	2.1
410337	< 0.1				< 0.1	7.02	4	< 100	420	< 1	< 0.1	3.77	< 0.1	23	15.9	67	0.8	44.7	5.40	1.6	1.84	10.2	2.4
410338	< 0.1				< 0.1	6.58	1	< 100	408	< 1	< 0.1	3.19	< 0.1	22	15.2	65	0.9	41.5	5.80	1.6	1.88	9.4	3.3
410339	< 0.1				< 0.1	6.81	5	< 100	427	< 1	0.1	2.82	< 0.1	25	17.5	68	1.1	62.7	5.02	2.0	2.20	10.1	2.4
410340	< 0.1				< 0.1	7.53	3	< 100	478	< 1	< 0.1	3.37	0.2	27	20.2	45	1.0	124	5.20	2.2	2.77	10.7	1.9
410341	< 0.1				< 0.1	7.08	3	< 100	449	< 1	< 0.1	2.92	< 0.1	26	16.6	44	0.9	74.0	5.27	2.0	2.66	10.9	1.8
410342	< 0.1				< 0.1	6.41	2	< 100	395	< 1	< 0.1	2.94	< 0.1	23	14.7	68	0.8	122	4.68	1.5	2.45	8.7	1.7
410343	< 0.1				< 0.1	6.83	5	< 100	544	< 1	< 0.1	3.68	0.1	22	17.3	85	1.1	60.7	5.80	1.4	3.10	9.5	2.0
410344	< 0.1				0.2	6.75	9	< 100	498	1	0.1	4.25	2.0	36	21.9	65	1.1	218	5.67	2.1	2.89	15.8	5.8
410345	< 0.1				0.3	6.33	1	< 100	234	< 1	0.2	6.02	0.4	45	36.0	48	0.5	457	8.47	1.5	0.86	18.4	12.9
410346	< 0.1				< 0.1	6.45	< 1	< 100	149	< 1	0.1	4.89	< 0.1	24	32.6	62	0.5	249	8.49	1.7	0.54	9.8	9.3
410347	< 0.1				< 0.1	7.16	1	< 100	347	1	< 0.1	2.89	< 0.1	19	19.5	47	0.4	175	6.10	2.0	0.61	6.3	15.4

Analyte Symbol	Te	Cu	Pb	Zn	Ag	Al	As	Au	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe	Hf	K	La	Li
Unit Symbol	ppm	%	%	%	ppm	%	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm
Lower Limit	0.1	0.005	0.01	0.01	0.1	0.01	1	100	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.1	0.01	0.1	0.01	0.1	0.1
Method Code	TD-MS	FUS-Na2O2	FUS-Na2O2	FUS-Na2O2	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
410348	< 0.1				< 0.1	7.39	3	< 100	459	1	0.2	3.55	0.4	27	18.2	49	0.8	61.0	5.92	1.3	1.43	11.8	14.9
410349	< 0.1				< 0.1	6.87	< 1	< 100	431	< 1	0.1	4.06	< 0.1	25	21.4	65	0.6	31.1	6.43	1.2	0.91	10.5	9.7
410350 MR	0.1				0.5	4.55	183	200	110	< 1	5.8	3.88	< 0.1	94	375	35	0.6	5370	19.7	2.9	2.96	75.5	15.3
410351	< 0.1				< 0.1	7.59	< 1	< 100	284	< 1	0.1	3.66	< 0.1	21	19.5	85	0.5	31.1	6.34	1.2	0.73	8.2	14.8
410352	< 0.1				< 0.1	7.93	1	< 100	221	1	< 0.1	5.88	< 0.1	23	26.5	123	0.6	15.8	5.93	1.6	0.55	9.0	9.6
410353	< 0.1				< 0.1	4.37	3	< 100	106	< 1	< 0.1	9.12	0.1	27	41.6	443	0.4	1.6	6.53	1.8	0.11	12.0	16.6
410354	< 0.1				< 0.1	6.36	5	< 100	356	1	< 0.1	6.40	< 0.1	25	32.5	302	0.8	28.2	6.22	2.1	0.41	10.5	12.5
410355	< 0.1				< 0.1	6.37	7	< 100	240	< 1	0.1	7.11	< 0.1	22	28.8	291	0.3	5.3	6.29	2.2	0.24	9.4	15.5
410356	0.2				0.1	2.06	17	< 100	10	< 1	0.3	4.96	< 0.1	4	49.6	840	0.2	47.6	4.75	0.6	0.02	1.6	10.2
410357	< 0.1				< 0.1	3.53	13	< 100	6	< 1	0.2	7.38	< 0.1	8	68.8	1260	0.2	19.1	7.62	0.9	< 0.01	3.0	17.6
410358	< 0.1				0.4	3.94	8	< 100	6	< 1	0.6	6.78	0.2	7	72.4	885	0.3	84.9	8.63	0.9	< 0.01	2.6	17.8
410359	< 0.1				< 0.1	3.46	10	< 100	5	< 1	0.1	6.97	< 0.1	7	73.3	759	0.3	20.6	6.97	0.7	< 0.01	2.9	15.6
410360 BLC	< 0.1				< 0.1	6.46	< 1	< 100	389	1	< 0.1	1.69	< 0.1	18	6.6	118	0.7	7.6	1.55	1.3	1.25	8.2	8.0
410361	0.1				< 0.1	4.37	7	< 100	6	< 1	0.1	5.20	< 0.1	5	80.0	899	0.2	52.4	7.37	0.8	0.01	1.9	16.5
410362	< 0.1				< 0.1	7.60	< 1	< 100	986	2	0.3	0.71	< 0.1	83	13.0	107	1.2	17.7	3.96	3.5	2.73	39.6	17.3
410363	0.1				< 0.1	7.02	< 1	< 100	396	< 1	< 0.1	3.34	0.2	36	45.8	402	0.8	27.4	6.76	2.1	1.15	17.1	19.4
410364	< 0.1				< 0.1	5.32	< 1	< 100	30	< 1	< 0.1	6.18	0.1	17	68.6	845	0.2	28.0	6.17	1.7	0.15	7.6	11.6
410365	< 0.1				< 0.1	5.49	3	< 100	849	2	0.2	0.45	0.1	44	14.2	167	1.5	17.2	4.06	4.9	1.57	17.2	19.5
410366	< 0.1				< 0.1	7.82	< 1	< 100	952	2	0.2	1.88	< 0.1	66	16.8	92	1.1	28.0	4.80	3.9	1.51	31.6	16.3
410367	< 0.1				< 0.1	6.67	< 1	< 100	374	< 1	0.3	3.94	< 0.1	46	32.4	93	0.5	59.3	8.73	1.8	0.83	19.1	8.3
410368	< 0.1				< 0.1	7.98	< 1	< 100	393	1	0.1	4.55	< 0.1	46	28.5	51	0.6	10.1	7.68	1.2	0.86	22.1	9.8
410369	0.3				< 0.1	3.72	< 1	< 100	84	< 1	1.4	3.09	< 0.1	40	25.8	133	1.2	618	12.9	2.0	0.28	21.6	4.8
410370 MR	0.2				0.5	4.48	206	200	109	< 1	5.7	3.75	< 0.1	88	366	31	0.7	5320	19.0	3.0	2.92	72.2	14.9
410371	< 0.1				< 0.1	4.64	2	< 100	179	< 1	0.1	6.27	0.1	14	61.7	674	0.4	24.5	8.63	1.5	0.51	6.2	13.6
410372	< 0.1				< 0.1	8.03	< 1	< 100	363	< 1	< 0.1	4.81	< 0.1	26	30.8	85	0.4	64.9	7.46	1.6	1.05	11.6	10.1
410373	< 0.1				< 0.1	6.58	< 1	< 100	107	< 1	0.1	5.95	< 0.1	19	29.4	118	0.2	49.1	8.08	0.7	0.46	8.1	5.4
410374	< 0.1				< 0.1	7.76	< 1	< 100	468	< 1	0.1	4.31	0.1	29	19.4	77	0.8	16.0	6.40	1.1	1.47	12.8	13.9
410375	< 0.1				< 0.1	6.84	2	< 100	414	< 1	0.1	6.82	< 0.1	24	18.6	81	0.4	32.4	5.05	1.3	1.64	10.5	8.6
410376	0.1				< 0.1	5.21	< 1	< 100	331	< 1	0.2	5.71	0.1	20	32.5	204	0.4	94.6	8.44	1.4	1.08	8.5	5.8
410377	< 0.1				< 0.1	7.07	< 1	< 100	437	1	< 0.1	3.46	< 0.1	27	16.7	68	0.4	60.1	6.48	2.0	1.24	11.9	6.3
410378	< 0.1				< 0.1	6.43	< 1	< 100	243	1	0.1	3.81	< 0.1	30	18.4	168	0.3	73.1	5.95	2.6	0.83	13.8	4.2
410379	< 0.1				< 0.1	6.30	< 1	< 100	287	< 1	0.1	4.24	0.1	34	21.7	168	0.3	557	6.45	2.2	0.94	16.1	5.7
410380 BLC	< 0.1				< 0.1	6.15	< 1	< 100	390	1	< 0.1	1.65	< 0.1	17	6.1	154	0.7	13.6	1.53	1.3	1.21	8.1	7.7
410381	< 0.1				< 0.1	7.39	4	< 100	443	1	< 0.1	3.60	< 0.1	44	18.7	105	1.2	50.5	4.72	1.9	2.63	20.6	7.1
410382	< 0.1				< 0.1	4.01	55	< 100	29	< 1	< 0.1	6.75	< 0.1	8	63.9	604	0.2	55.4	6.32	1.0	0.22	3.4	17.7
410383	< 0.1				< 0.1	3.56	95	< 100	8	< 1	< 0.1	6.67	< 0.1	4	70.8	743	0.1	77.7	6.08	0.5	0.05	1.3	17.7
410384	< 0.1				< 0.1	3.45	85	< 100	5	< 1	< 0.1	7.12	< 0.1	6	67.2	720	0.1	90.5	6.23	0.6	0.02	2.2	16.4
410385	< 0.1				< 0.1	3.89	88	< 100	110	< 1	< 0.1	7.43	< 0.1	8	65.3	1160	0.2	85.1	6.53	0.8	0.27	3.4	17.7
410386	< 0.1				< 0.1	3.74	35	< 100	49	< 1	< 0.1	7.39	0.1	5	59.8	1210	0.2	58.5	5.91	0.6	0.30	2.0	20.7
410387	< 0.1				< 0.1	2.72	192	< 100	182	< 1	< 0.1	5.35	< 0.1	4	50.8	742	0.5	54.8	5.21	0.5	1.20	1.3	4.2
410388	< 0.1				< 0.1	3.45	37	< 100	143	< 1	< 0.1	4.44	< 0.1	4	64.5	819	0.5	47.7	6.68	0.6	0.81	1.4	16.6
410389	< 0.1				< 0.1	3.59	33	< 100	50	< 1	< 0.1	5.91	0.1	5	70.9	760	0.2	113	6.62	0.6	0.21	2.0	18.4

Analyte Symbol	Te	Cu	Pb	Zn	Ag	Al	As	Au	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe	Hf	K	La	Li
Unit Symbol	ppm	%	%	%	ppm	%	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm
Lower Limit	0.1	0.005	0.01	0.01	0.1	0.01	1	100	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.1	0.01	0.1	0.01	0.1	0.1
Method Code	TD-MS	FUS-Na2O2	FUS-Na2O2	FUS-Na2O2	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
410390	< 0.1				< 0.1	3.71	29	< 100	59	< 1	< 0.1	6.01	< 0.1	6	70.7	744	0.2	102	6.47	0.6	0.28	2.2	19.1
410391	< 0.1				< 0.1	4.00	40	< 100	66	< 1	< 0.1	5.38	0.1	5	73.5	789	0.3	71.9	6.67	0.7	0.48	1.8	16.9
410392	< 0.1				< 0.1	3.15	46	< 100	21	< 1	< 0.1	6.80	< 0.1	5	57.3	697	0.2	70.3	5.60	0.5	0.13	1.7	19.3
410393	< 0.1				< 0.1	3.68	22	< 100	3	< 1	< 0.1	6.59	0.2	4	69.9	812	< 0.1	104	6.26	0.6	0.01	1.6	16.0
410394	< 0.1				< 0.1	3.71	11	< 100	4	< 1	< 0.1	6.36	< 0.1	5	72.5	1240	0.1	88.9	6.58	0.6	< 0.01	1.8	12.0
410395	< 0.1				< 0.1	3.84	2	< 100	4	< 1	< 0.1	5.69	< 0.1	5	74.3	1200	0.1	80.8	6.77	0.7	< 0.01	1.8	13.3
410396	< 0.1				< 0.1	3.88	11	< 100	64	< 1	< 0.1	6.47	0.1	6	65.1	1000	0.3	81.5	6.68	0.8	< 0.01	2.3	14.6
410397	< 0.1				< 0.1	4.01	52	< 100	6	< 1	< 0.1	6.75	0.1	6	74.1	877	< 0.1	100	6.78	0.5	0.02	2.3	19.7
410398	< 0.1				< 0.1	3.50	93	< 100	140	< 1	< 0.1	5.20	< 0.1	4	64.7	720	0.4	57.8	6.30	0.5	1.02	1.4	10.6
410399	< 0.1				< 0.1	4.16	326	< 100	55	< 1	0.1	6.23	< 0.1	5	86.8	783	0.3	48.1	7.22	0.6	0.49	1.7	26.9
410400 MR	2.4				4.5	5.19	16	1300	344	< 1	< 0.1	3.65	0.4	23	10.8	33	5.3	72.9	3.07	1.8	2.34	10.0	40.7
410401	0.1				< 0.1	2.54	368	< 100	45	< 1	< 0.1	7.54	0.5	4	45.2	572	0.2	51.3	4.70	0.4	0.60	1.1	10.6
410402	< 0.1				2.0	2.66	617	< 100	91	< 1	0.2	4.53	2.4	3	58.3	731	0.4	306	4.15	0.4	0.83	1.0	5.6
410403	< 0.1				< 0.1	3.59	188	< 100	81	< 1	< 0.1	5.78	< 0.1	5	64.1	739	0.3	24.7	6.64	0.6	0.76	1.8	15.2
410404	< 0.1				< 0.1	3.82	168	< 100	99	< 1	< 0.1	4.91	< 0.1	5	77.2	1350	0.3	32.5	7.13	0.7	0.91	2.0	15.7
410405	< 0.1				< 0.1	2.84	457	< 100	64	< 1	0.1	7.60	0.2	6	57.2	961	0.4	5.3	5.61	0.6	0.73	2.4	13.2
410406	< 0.1				< 0.1	3.73	220	< 100	20	< 1	0.1	6.33	< 0.1	5	69.3	1230	0.2	0.8	7.24	0.6	0.20	2.0	32.3
410407	< 0.1				< 0.1	1.90	274	< 100	14	< 1	< 0.1	6.33	< 0.1	3	36.3	636	0.2	10.3	4.62	0.3	0.18	0.9	13.5
410408	< 0.1				0.2	3.89	96	< 100	57	< 1	< 0.1	6.64	< 0.1	6	69.1	720	0.3	6.2	6.42	0.7	0.56	2.1	22.9
410409	< 0.1				4.4	5.85	199	< 100	361	< 1	< 0.1	6.79	< 0.1	16	38.2	359	0.9	80.3	4.64	1.5	2.46	7.1	1.2
410410 BLC	< 0.1				< 0.1	6.49	< 1	< 100	391	1	< 0.1	1.72	< 0.1	17	6.7	142	0.6	10.2	1.63	1.1	1.28	7.8	8.2
410411	< 0.1				0.4	6.09	55	< 100	444	< 1	< 0.1	3.75	< 0.1	17	20.5	186	0.8	241	4.02	1.5	2.71	7.7	1.1
410412	< 0.1				< 0.1	5.19	215	< 100	211	< 1	< 0.1	5.37	< 0.1	11	58.5	566	0.7	249	6.82	1.2	1.67	4.6	13.4
410413	< 0.1				< 0.1	1.56	283	< 100	65	< 1	< 0.1	5.45	< 0.1	2	29.2	456	0.3	28.0	3.33	0.3	0.64	1.0	1.0
410414	< 0.1				< 0.1	0.45	40	< 100	16	< 1	< 0.1	6.15	0.1	2	5.5	265	< 0.1	29.7	2.03	< 0.1	0.17	1.0	0.3
410415	< 0.1				< 0.1	3.73	425	< 100	164	< 1	0.2	5.95	0.2	6	76.7	1300	0.4	76.3	6.87	0.6	1.35	2.2	6.8
410416	< 0.1				< 0.1	3.55	147	< 100	203	< 1	0.1	5.52	< 0.1	11	55.6	924	0.5	104	6.04	0.8	1.54	4.4	1.1
410417	< 0.1				< 0.1	1.18	215	< 100	80	< 1	< 0.1	4.02	0.2	3	23.0	531	0.2	13.1	2.84	0.2	0.55	0.9	0.6
410418	< 0.1				< 0.1	3.11	318	< 100	208	< 1	0.1	6.66	0.1	6	59.2	1010	0.4	44.9	6.23	0.5	1.40	2.1	1.3
410419	< 0.1				< 0.1	3.53	86	< 100	122	< 1	< 0.1	5.20	0.1	9	69.1	868	0.4	71.2	6.44	0.6	0.94	3.5	9.4
410420	< 0.1				< 0.1	3.59	149	< 100	135	< 1	< 0.1	6.13	< 0.1	9	70.0	914	0.4	62.2	6.27	0.6	1.07	3.7	8.7
410421	< 0.1				< 0.1	3.80	162	< 100	198	< 1	< 0.1	5.27	< 0.1	17	62.6	778	0.6	37.5	6.70	0.9	1.68	6.8	1.5
410422	< 0.1				< 0.1	3.28	153	< 100	161	< 1	0.1	5.99	< 0.1	4	63.7	894	0.5	55.8	6.17	0.6	1.39	1.7	2.3
410423	< 0.1				< 0.1	3.32	69	< 100	128	< 1	< 0.1	5.87	< 0.1	4	66.4	763	0.5	45.1	6.11	0.7	1.03	1.5	8.8
410424	< 0.1				< 0.1	3.31	44	< 100	35	< 1	< 0.1	6.35	< 0.1	6	68.8	714	0.2	53.2	6.55	0.7	0.30	2.5	20.0

Analyte Symbol	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	S	Sb	Sc	Sn	Sr	Ta	Th	Ti	Tl	U	V	W	Y	Zn
Unit Symbol	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	1	0.1	1	0.1	1	0.1	0.1	0.001	0.05	0.1	4	0.1	0.1	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
410224	0.30	710	4.9	3.09	1.0	2.6	0.034	6.4	48.6	< 1	0.2	7	1.3	211	< 0.1	3.8	0.154	0.18	1.4	13	< 0.1	24.3	57
410225	0.26	728	6.4	2.98	3.7	2.3	0.032	6.4	50.6	< 1	0.2	7	1.4	208	< 0.1	3.7	0.174	0.20	1.8	17	0.1	22.7	47
410226	0.21	710	7.9	3.29	3.6	2.7	0.028	6.6	49.0	< 1	0.3	6	1.4	163	0.2	4.1	0.152	0.17	3.3	15	0.4	19.9	37
410227	0.43	964	2.8	3.46	3.4	3.0	0.071	5.9	55.0	< 1	0.3	13	1.4	253	0.2	3.2	0.221	0.21	2.1	19	0.5	29.2	70
410228	0.25	703	10.9	3.22	4.3	1.8	0.027	7.4	43.3	< 1	0.3	5	1.5	185	0.1	2.8	0.169	0.19	1.2	17	0.3	20.1	49
410229	0.26	616	8.0	3.14	5.5	2.7	0.027	7.9	36.0	< 1	0.3	5	1.4	186	0.3	2.9	0.161	0.16	1.4	17	0.4	18.8	48
410230 MR	1.16	661	17.2	0.474	5.5	18.9	0.052	> 5000	34.0	> 10.0	27.0	7	8.1	26	0.4	3.3	0.135	1.08	1.3	31	4.2	13.3	> 10000
410231	0.41	516	10.4	2.95	5.1	2.8	0.032	7.7	36.9	< 1	0.2	6	1.5	121	0.1	3.9	0.182	0.13	1.6	17	0.5	18.2	53
410232	0.84	641	8.3	2.50	5.1	2.9	0.036	3.3	45.1	< 1	0.2	7	1.5	75	0.1	3.7	0.189	0.15	1.6	20	0.8	16.0	73
410233	0.42	785	11.2	1.67	6.6	3.2	0.033	4.7	47.5	< 1	0.5	7	1.6	95	0.4	3.4	0.178	0.18	1.6	20	1.2	15.2	62
410234	0.40	859	8.1	0.466	7.5	1.7	0.072	7.9	75.6	1	1.1	10	1.4	71	0.5	2.6	0.388	0.27	1.3	45	3.5	14.5	55
410235	0.74	3050	1.3	0.519	4.8	< 0.1	0.086	2.9	95.6	< 1	0.7	15	1.7	161	0.3	3.5	0.307	0.32	1.6	43	4.1	23.2	94
410236	0.35	857	7.4	1.57	6.4	2.1	0.032	12.1	47.5	< 1	0.7	7	2.0	133	0.4	3.0	0.186	0.18	1.4	23	2.0	13.2	96
410237	0.41	756	5.9	2.69	3.6	2.8	0.040	5.9	39.7	< 1	0.3	8	1.2	174	0.3	3.4	0.190	0.14	1.6	25	0.3	14.8	58
410238	0.25	625	5.2	2.97	0.9	1.9	0.027	5.2	35.3	< 1	0.2	6	1.5	153	< 0.1	2.6	0.144	0.15	1.1	15	< 0.1	13.8	53
410239	0.23	722	8.7	2.58	4.5	2.2	0.031	5.3	49.0	< 1	0.2	6	1.6	137	0.3	3.6	0.166	0.18	1.6	16	0.4	16.0	46
410240 BLC	0.42	279	7.6	3.04	2.1	22.8	0.019	6.6	49.6	< 1	< 0.1	6	0.6	353	< 0.1	1.3	0.156	0.25	0.4	41	0.2	5.8	17
410241	0.23	620	9.1	2.80	5.2	2.7	0.033	5.0	46.7	< 1	0.2	7	1.7	135	0.2	3.9	0.182	0.16	1.9	19	0.4	16.1	44
410242	0.26	723	8.8	2.72	3.2	2.4	0.033	4.6	50.5	< 1	0.3	7	1.7	137	0.2	3.4	0.172	0.17	1.6	17	0.4	13.8	50
410243	0.23	667	5.7	2.41	1.4	3.0	0.032	4.6	58.2	< 1	0.2	7	1.5	127	< 0.1	3.5	0.158	0.20	1.6	16	0.1	14.1	54
410244	0.26	658	8.8	3.06	3.0	2.4	0.031	5.3	40.2	< 1	0.3	7	1.5	186	< 0.1	2.9	0.170	0.14	1.3	16	0.2	14.9	52
410245	0.26	746	8.1	3.07	3.3	2.2	0.031	5.1	40.3	< 1	0.2	7	1.7	199	< 0.1	3.4	0.164	0.15	1.7	17	0.2	21.3	46
410246	0.30	701	5.7	3.15	1.7	2.0	0.033	5.6	38.5	< 1	0.1	7	1.2	242	< 0.1	2.7	0.169	0.13	1.5	22	0.2	24.7	50
410247	0.29	719	7.6	1.49	3.4	2.7	0.035	3.7	63.1	< 1	0.2	7	1.6	101	0.2	3.1	0.172	0.23	1.5	20	0.6	16.1	36
410248	1.53	1760	2.7	1.69	7.3	0.5	0.109	3.1	23.5	< 1	1.2	11	0.8	155	0.4	0.5	0.608	0.15	0.4	90	1.3	12.1	117
410249	0.27	733	8.1	3.16	7.4	3.0	0.035	4.7	38.0	< 1	0.3	7	1.6	176	0.5	3.2	0.184	0.12	1.5	19	0.8	22.7	47
410250	0.26	712	9.0	3.18	5.1	2.0	0.033	4.7	38.7	< 1	0.2	7	1.7	165	0.2	3.2	0.187	0.13	1.6	18	0.5	22.8	47
410251	0.27	745	9.0	3.02	5.0	3.4	0.034	6.3	44.9	< 1	0.3	7	1.5	227	0.2	3.9	0.186	0.18	2.1	19	0.2	24.2	48
410252	0.21	728	10.0	0.881	6.5	1.7	0.031	22.9	50.9	2	1.3	6	1.8	76	0.6	4.3	0.160	0.20	2.9	20	2.8	14.9	1090
410253	2.91	997	0.7	1.44	0.2	82.8	0.052	7.1	114	< 1	0.1	27	2.0	246	< 0.1	11.0	0.207	0.52	2.7	104	< 0.1	19.4	85
410254	7.67	878	3.1	1.30	5.2	453	0.037	2.0	24.7	< 1	< 0.1	32	0.9	88	0.3	7.3	0.350	0.13	1.8	157	0.2	17.2	77
410255	10.3	1120	1.6	0.847	3.1	709	0.039	0.5	3.8	< 1	0.1	23	0.6	83	0.2	1.3	0.368	< 0.05	0.4	155	0.2	11.1	73
410256	1.43	620	2.7	1.21	2.9	44.1	0.048	10.7	173	< 1	0.1	20	2.5	164	< 0.1	22.7	0.300	0.77	4.2	103	0.2	24.7	86
410257	1.26	687	0.3	1.08	0.1	29.2	0.045	10.5	143	< 1	< 0.1	17	0.9	122	< 0.1	17.7	0.154	0.60	3.0	65	< 0.1	20.5	85
410258	2.29	1310	4.2	2.82	6.8	12.7	0.090	11.5	34.6	< 1	0.5	21	1.8	206	0.4	2.1	0.910	0.35	2.0	384	1.8	13.2	97
410259	1.97	1410	0.3	2.10	0.1	12.7	0.096	4.6	36.9	< 1	< 0.1	32	0.3	202	< 0.1	5.7	0.315	0.20	2.2	244	< 0.1	26.5	86
410260 MR	1.03	3100	112	0.945	1.0	72.9	0.074	7.7	102	2	3.3	12	6.2	66	< 0.1	3.8	0.291	0.29	32.4	203	12.3	18.3	20
410261	2.76	1420	0.1	2.59	< 0.1	23.7	0.079	4.6	28.9	< 1	< 0.1	34	0.2	508	< 0.1	2.1	0.144	0.17	0.9	126	< 0.1	20.0	79
410262	2.14	1230	0.2	2.71	0.2	33.3	0.081	9.6	55.0	< 1	< 0.1	22	0.3	328	< 0.1	2.2	0.180	0.35	1.0	55	< 0.1	21.1	89
410263	2.26	1360	0.4	2.32	0.1	18.3	0.067	5.4	54.1	< 1	< 0.1	28	0.3	264	< 0.1	2.0	0.219	0.33	1.0	119	< 0.1	22.0	96
410264	1.79	1330	0.5	2.25	0.5	9.9	0.066	6.3	50.5	< 1	< 0.1	26	0.5	282	< 0.1	2.0	0.221	0.31	1.1	97	< 0.1	22.0	89
410265	4.72	1460	2.4	1.87	3.2	162	0.103	2.0	41.7	< 1	0.4	34	1.2	227	0.2	1.4	0.523	0.24	0.6	261	0.7	12.8	82

Analyte Symbol	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	S	Sb	Sc	Sn	Sr	Ta	Th	Ti	Tl	U	V	W	Y	Zn
Unit Symbol	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	1	0.1	1	0.1	1	0.1	0.1	0.001	0.05	0.1	4	0.1	0.1	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
410266	5.39	1450	2.4	1.63	5.8	190	0.100	4.3	44.8	< 1	< 0.1	30	1.5	212	0.3	2.5	0.602	0.26	0.9	210	0.3	18.4	105
410267	1.08	972	7.7	2.54	5.6	6.7	0.096	6.1	30.5	< 1	0.5	20	1.4	317	0.4	2.9	0.363	0.18	2.0	75	0.8	19.3	67
410268	1.59	973	1.1	2.09	1.1	17.8	0.078	4.1	65.3	< 1	0.3	21	1.4	204	< 0.1	5.1	0.287	0.38	1.8	86	< 0.1	18.6	72
410269	0.96	351	7.8	0.280	11.4	15.4	0.074	5.9	62.7	1	1.6	8	1.3	76	0.8	3.3	0.445	1.03	1.5	62	5.1	8.2	29
410270 BLC	0.42	270	5.9	2.98	2.1	21.2	0.018	6.7	48.5	< 1	< 0.1	5	0.6	330	< 0.1	1.3	0.154	0.25	0.3	40	0.2	5.3	20
410271	2.06	756	7.0	0.184	7.0	94.1	0.047	6.1	105	2	2.4	22	1.3	96	0.5	3.6	0.518	0.72	1.3	167	6.1	11.8	13
410272	6.22	1290	2.5	0.066	0.1	871	0.024	1.6	44.8	< 1	0.5	24	0.3	192	< 0.1	0.2	0.263	0.27	0.1	134	0.2	8.6	40
410273	7.93	1220	1.1	0.019	0.2	813	0.016	1.4	9.1	< 1	0.6	22	0.3	281	< 0.1	0.2	0.207	0.17	< 0.1	145	0.2	6.8	83
410274	8.72	1240	1.4	0.019	0.1	823	0.012	1.2	16.2	< 1	0.5	24	0.2	280	< 0.1	0.2	0.237	0.10	0.6	143	< 0.1	6.7	85
410275	8.29	1150	1.2	0.028	0.5	761	0.020	1.1	32.1	< 1	0.3	25	0.3	227	< 0.1	0.2	0.292	0.22	0.1	154	< 0.1	5.6	68
410276	8.94	1080	0.8	0.008	0.7	776	0.023	1.3	2.6	< 1	0.1	24	0.5	242	< 0.1	0.2	0.350	< 0.05	0.1	154	< 0.1	5.8	68
410277	8.79	1140	1.0	0.010	0.7	764	0.017	1.2	1.7	< 1	0.2	23	0.3	295	< 0.1	0.1	0.292	< 0.05	0.1	151	< 0.1	5.3	84
410278	9.04	1400	0.8	0.011	0.2	811	0.013	1.6	0.9	< 1	0.4	24	0.4	292	< 0.1	0.2	0.297	< 0.05	0.1	137	< 0.1	5.7	78
410279	7.60	1300	1.2	0.026	0.1	626	0.012	1.2	14.8	< 1	0.4	27	0.2	344	< 0.1	0.2	0.229	0.09	0.2	128	< 0.1	7.3	70
410280	8.59	1140	0.2	0.013	< 0.1	730	0.015	0.9	5.2	< 1	0.2	25	0.1	272	< 0.1	0.2	0.203	< 0.05	0.2	153	< 0.1	5.9	86
410281	8.88	1180	0.5	0.015	0.2	739	0.018	0.9	4.7	< 1	0.2	26	0.2	284	< 0.1	0.2	0.275	< 0.05	3.8	156	< 0.1	6.0	79
410282	8.39	1210	0.6	0.016	0.5	806	0.016	0.8	8.7	< 1	0.3	25	0.2	230	< 0.1	0.1	0.277	0.06	0.3	166	0.1	5.1	69
410283	5.78	898	8.9	0.045	2.5	496	0.005	1.3	27.3	< 1	1.2	12	0.7	330	0.5	0.8	0.132	0.17	0.4	95	1.4	5.9	47
410284	8.30	1080	0.6	0.011	0.2	715	0.053	1.0	4.1	< 1	0.2	22	0.4	227	< 0.1	0.2	0.284	< 0.05	0.2	164	< 0.1	5.5	61
410285	8.18	975	0.3	0.016	< 0.1	682	0.017	0.7	5.4	< 1	0.1	22	0.1	144	< 0.1	0.2	0.184	< 0.05	< 0.1	125	< 0.1	5.3	60
410286	7.07	1170	4.4	0.038	1.6	693	0.015	1.2	16.1	< 1	7.9	20	1.1	176	0.1	0.1	0.323	0.10	0.3	135	5.0	5.9	57
410287	7.33	1410	2.6	0.034	0.5	728	0.005	1.0	14.6	< 1	1.1	19	0.4	201	< 0.1	< 0.1	0.235	0.09	0.2	115	0.5	5.7	66
410288	6.54	1620	6.7	0.084	0.9	608	0.013	1.8	39.0	< 1	3.9	16	0.6	242	< 0.1	0.1	0.196	0.25	0.1	111	1.2	7.7	43
410289	7.16	1300	0.9	0.014	0.2	589	0.015	0.8	2.4	< 1	0.3	22	0.3	221	< 0.1	0.1	0.231	< 0.05	0.1	167	< 0.1	5.2	83
410290 MR	0.80	714	6.5	0.939	2.3	11.3	0.064	21.1	87.1	< 1	2.5	14	0.9	261	0.1	2.9	0.285	1.03	0.8	112	3.5	9.6	85
410291	4.66	898	2.7	0.086	1.7	361	0.054	1.1	83.5	< 1	0.8	19	1.1	169	< 0.1	2.0	0.309	0.43	0.7	140	0.7	7.8	67
410292	3.05	464	9.6	0.036	0.8	79.1	0.028	0.5	28.9	< 1	0.4	9	0.5	74	< 0.1	0.3	0.080	0.15	0.1	59	1.0	4.2	77
410293	3.27	977	2.2	1.33	3.6	40.0	0.066	1.6	77.1	< 1	0.3	28	1.3	131	< 0.1	1.5	0.555	0.39	0.9	184	0.8	12.0	64
410294	2.14	1190	0.8	3.22	2.6	11.4	0.067	2.4	26.9	< 1	0.3	27	1.0	218	< 0.1	2.0	0.443	0.14	1.1	157	0.1	19.4	93
410295	1.70	1090	0.3	2.13	0.2	10.2	0.053	4.4	3.2	< 1	0.2	24	1.2	479	< 0.1	1.7	0.202	< 0.05	1.0	89	< 0.1	19.6	72
410296	1.91	1140	0.1	3.03	0.2	8.5	0.056	3.3	9.1	< 1	< 0.1	26	0.2	361	< 0.1	2.1	0.127	< 0.05	1.2	60	< 0.1	20.2	100
410297	1.65	1140	3.5	2.75	6.5	6.9	0.058	4.3	6.0	< 1	1.1	16	1.4	276	0.5	0.9	0.593	0.08	0.8	171	1.3	14.9	86
410298	1.68	1020	1.6	2.41	0.5	7.6	0.056	3.9	40.6	< 1	< 0.1	23	0.7	163	< 0.1	1.8	0.383	0.23	1.0	135	< 0.1	19.0	80
410299	2.19	1050	1.8	1.33	0.2	26.2	0.041	2.1	18.3	< 1	< 0.1	25	1.7	148	< 0.1	1.1	0.352	0.09	0.6	140	< 0.1	11.3	72
410300 BLC	0.44	288	14.3	3.01	2.2	22.1	0.021	7.0	49.1	< 1	< 0.1	6	0.7	355	< 0.1	1.4	0.154	0.25	0.4	41	0.3	5.8	22
410301	2.50	1500	0.1	2.19	0.1	20.9	0.080	2.7	26.4	< 1	0.1	33	1.2	162	< 0.1	1.9	0.240	0.14	0.8	139	< 0.1	18.5	97
410302	1.76	1020	0.3	2.98	0.2	20.8	0.077	3.3	29.5	< 1	0.1	20	0.5	239	< 0.1	1.5	0.187	0.14	0.9	92	< 0.1	18.8	70
410303	5.75	1400	1.4	0.567	1.8	247	0.094	0.9	14.9	< 1	0.1	27	0.5	293	< 0.1	0.6	0.284	0.09	0.4	197	0.4	8.5	85
410304	4.94	1240	1.2	1.75	2.9	174	0.124	1.4	16.2	< 1	0.1	27	0.7	251	0.2	0.9	0.361	0.09	0.4	205	0.5	9.4	96
410305	4.56	1250	0.9	1.39	3.3	175	0.102	1.2	19.5	< 1	< 0.1	27	0.9	201	0.2	1.1	0.360	0.09	0.5	212	0.6	11.0	95
410306	4.49	1320	1.4	1.89	2.4	163	0.110	2.3	26.3	< 1	0.3	26	0.7	150	0.1	0.8	0.353	0.13	0.4	235	0.3	10.1	82
410307	0.66	528	6.4	1.09	0.9	10.6	0.032	2.4	19.1	< 1	0.3	8	0.6	68	< 0.1	0.7	0.224	0.09	0.4	74	0.2	6.3	42

Analyte Symbol	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	S	Sb	Sc	Sn	Sr	Ta	Th	Ti	Tl	U	V	W	Y	Zn
Unit Symbol	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	1	0.1	1	0.1	1	0.1	0.1	0.001	0.05	0.1	4	0.1	0.1	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
410308	1.49	898	4.1	3.82	6.1	8.6	0.065	1.5	9.3	< 1	0.4	13	1.1	114	0.4	0.7	0.547	0.08	0.7	147	1.2	10.7	58
410309	5.54	1550	0.9	0.517	1.2	253	0.087	1.0	7.4	< 1	0.1	29	0.5	288	< 0.1	0.6	0.247	< 0.05	0.3	196	0.3	8.0	87
410310	4.91	1680	1.0	0.452	1.0	218	0.082	2.2	6.2	< 1	0.2	27	0.5	343	< 0.1	0.6	0.241	< 0.05	0.3	180	0.3	8.7	84
410311	2.49	922	0.5	2.37	0.4	53.2	0.093	1.3	54.9	< 1	0.1	21	0.8	159	< 0.1	1.3	0.318	0.27	0.7	161	0.2	9.9	63
410312	2.22	968	0.7	1.77	1.1	12.9	0.083	1.8	70.8	< 1	0.3	25	1.2	120	< 0.1	1.7	0.463	0.36	0.9	184	0.9	10.3	70
410313	2.43	1140	1.2	0.757	0.4	16.5	0.098	1.3	84.7	< 1	0.4	23	1.1	185	< 0.1	1.7	0.336	0.40	0.8	124	0.3	10.1	57
410314	2.67	1020	1.0	0.449	0.2	17.5	0.093	1.6	84.8	< 1	0.1	24	1.0	150	< 0.1	2.0	0.267	0.43	1.2	117	0.1	9.3	71
410315	2.43	1510	3.2	1.50	0.8	24.2	0.087	1.7	44.8	1	0.4	23	1.0	216	< 0.1	1.5	0.433	0.21	0.8	149	0.9	11.5	48
410316	2.62	1430	0.4	1.83	0.4	15.4	0.103	1.4	43.0	< 1	0.3	36	0.9	144	< 0.1	2.0	0.323	0.20	0.8	155	< 0.1	11.9	90
410317	1.72	1770	2.1	2.64	0.3	7.7	0.035	1.1	11.8	< 1	0.1	14	0.2	358	< 0.1	0.8	0.206	< 0.05	0.4	82	0.1	12.0	26
410318	1.90	830	4.6	4.31	4.3	119	0.067	2.6	30.2	2	0.8	13	0.9	147	0.3	0.6	0.436	0.19	0.7	180	2.1	5.7	81
410319	2.34	1040	1.0	2.76	0.6	38.9	0.101	1.1	52.6	< 1	0.3	24	0.9	133	< 0.1	1.6	0.343	0.25	0.8	160	< 0.1	11.3	75
410320 MR	1.08	633	18.0	0.466	5.1	17.7	0.050	> 5000	33.5	> 10.0	12.0	7	7.9	24	0.3	2.0	0.130	1.06	1.3	32	4.2	14.4	> 10000
410321	2.19	1080	1.5	0.619	1.5	12.1	0.087	1.4	97.7	< 1	0.5	27	1.0	120	< 0.1	1.9	0.431	0.51	0.9	141	0.3	10.4	63
410322	2.07	990	2.4	0.159	4.7	17.8	0.083	2.0	115	< 1	0.5	25	1.4	112	0.1	2.2	0.586	0.64	1.0	185	2.4	11.5	41
410323	2.61	905	7.5	0.093	3.9	29.1	0.099	2.0	61.9	< 1	2.0	16	1.5	183	0.2	1.0	0.311	0.36	0.7	99	5.9	13.1	12
410324	2.20	792	4.0	0.225	6.0	13.5	0.064	1.9	119	1	0.8	26	1.7	121	0.2	2.0	0.662	0.72	1.2	161	4.2	12.6	19
410325	1.84	928	4.2	0.186	6.3	12.5	0.061	2.6	68.5	1	1.3	21	1.4	90	0.4	1.4	0.626	0.62	0.9	155	4.3	9.6	25
410326	2.02	1000	0.5	0.183	0.4	8.3	0.053	1.4	90.8	< 1	< 0.1	25	1.1	81	< 0.1	1.9	0.310	0.60	1.0	121	< 0.1	12.5	37
410327	1.71	475	11.0	0.083	2.0	31.0	0.020	0.8	35.4	< 1	1.4	9	0.8	34	0.1	0.7	0.187	0.19	0.3	58	2.5	4.4	22
410328	2.63	623	1.4	0.269	3.7	52.0	0.077	2.2	95.5	1	0.6	30	1.9	80	< 0.1	2.1	0.606	0.66	1.1	181	3.3	12.0	31
410329	1.97	633	7.0	0.142	0.5	17.3	0.072	1.5	55.9	< 1	0.8	15	1.0	122	< 0.1	1.0	0.265	0.33	0.5	84	0.6	8.5	17
410330 BLC	0.41	279	4.0	2.93	0.3	20.8	0.019	6.6	47.8	< 1	< 0.1	6	0.4	343	< 0.1	1.5	0.099	0.24	0.8	23	< 0.1	5.8	19
410331	2.29	1080	1.1	0.194	0.5	15.4	0.053	1.7	99.8	< 1	0.2	22	0.6	128	< 0.1	1.6	0.271	0.55	0.9	99	0.1	10.2	27
410332	1.85	1360	1.5	0.182	2.4	12.8	0.083	2.1	99.9	< 1	0.7	30	1.0	114	< 0.1	2.0	0.541	0.58	0.9	224	0.8	9.5	44
410333	1.44	1030	0.7	0.871	0.4	8.1	0.051	2.4	90.7	< 1	0.1	24	0.6	114	< 0.1	1.7	0.242	0.49	0.9	80	< 0.1	12.0	24
410334	1.55	1050	0.3	0.576	0.1	7.4	0.056	2.1	102	< 1	< 0.1	25	0.4	126	< 0.1	1.9	0.192	0.58	1.1	87	< 0.1	13.3	52
410335	1.35	1000	3.7	0.716	5.9	10.1	0.049	2.1	46.5	< 1	1.4	14	1.3	125	0.4	0.7	0.529	0.53	0.7	159	3.7	7.1	47
410336	1.70	979	0.6	0.488	0.2	8.7	0.055	1.7	87.0	< 1	< 0.1	26	0.4	129	< 0.1	1.9	0.351	0.61	1.1	126	< 0.1	12.7	23
410337	1.63	1010	0.6	0.771	0.2	8.1	0.055	2.9	82.4	< 1	< 0.1	26	0.5	120	< 0.1	1.8	0.313	0.53	1.0	118	< 0.1	13.7	29
410338	1.61	999	0.8	1.02	0.2	9.1	0.051	1.6	83.2	< 1	0.2	22	0.5	86	< 0.1	1.7	0.269	0.55	0.9	101	0.2	13.2	36
410339	1.41	889	1.1	0.259	0.8	7.5	0.061	2.6	95.9	< 1	0.6	19	1.2	93	< 0.1	1.5	0.381	0.61	0.9	90	0.3	13.4	33
410340	1.43	894	1.8	1.37	2.4	9.1	0.067	3.2	104	< 1	0.9	19	1.1	146	0.1	1.6	0.442	0.59	1.0	109	0.9	13.9	56
410341	1.40	913	0.9	1.37	1.1	7.7	0.064	2.8	100	< 1	0.7	20	1.0	125	< 0.1	1.5	0.332	0.56	0.9	89	0.2	13.2	56
410342	1.54	790	0.7	1.41	0.4	10.1	0.062	3.0	82.8	< 1	0.2	17	0.7	113	< 0.1	1.4	0.234	0.51	0.7	72	< 0.1	11.5	39
410343	1.88	1170	0.5	0.303	0.7	12.5	0.053	2.5	116	< 1	0.2	26	0.5	114	< 0.1	1.8	0.278	0.64	0.9	110	0.2	13.4	42
410344	2.06	955	0.7	0.349	6.0	43.8	0.077	4.4	109	< 1	1.1	36	2.6	136	< 0.1	3.0	0.445	0.60	1.8	92	2.5	21.7	402
410345	3.15	1370	0.1	1.58	3.7	35.1	0.101	4.6	37.8	1	1.0	47	3.6	245	< 0.1	3.4	0.476	0.19	2.4	98	0.5	32.0	105
410346	2.33	1460	0.4	2.29	2.0	15.8	0.087	4.0	19.3	< 1	0.4	32	1.9	321	< 0.1	2.0	0.473	0.15	1.3	204	0.1	21.6	81
410347	1.53	1070	0.6	3.61	1.2	8.0	0.065	2.6	22.8	< 1	0.2	19	0.9	161	< 0.1	1.1	0.266	0.13	0.7	87	0.3	17.8	81
410348	1.62	961	0.4	2.05	0.3	9.2	0.054	11.2	58.8	< 1	< 0.1	26	0.4	137	< 0.1	2.0	0.172	0.32	1.1	85	0.2	18.6	153
410349	1.75	1190	0.2	2.40	0.1	10.3	0.058	5.0	36.1	< 1	< 0.1	26	0.3	221	< 0.1	1.7	0.159	0.20	1.0	81	< 0.1	21.4	88

Analyte Symbol	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	S	Sb	Sc	Sn	Sr	Ta	Th	Ti	Tl	U	V	W	Y	Zn
Unit Symbol	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	1	0.1	1	0.1	1	0.1	0.1	0.001	0.05	0.1	4	0.1	0.1	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
410350 MR	0.85	3120	106	0.974	0.9	68.8	0.072	7.0	101	2	2.9	13	6.6	76	< 0.1	3.0	0.275	0.28	31.9	194	9.7	18.1	20
410351	2.21	1050	0.3	2.84	0.2	19.4	0.065	3.3	27.9	< 1	< 0.1	26	0.5	175	< 0.1	2.1	0.220	0.18	0.9	74	< 0.1	18.6	87
410352	3.20	1070	0.7	3.37	0.3	68.0	0.068	2.0	22.0	< 1	0.2	29	0.9	385	< 0.1	2.4	0.263	0.14	1.1	98	< 0.1	22.2	62
410353	5.38	1410	0.4	1.08	0.2	197	0.075	1.6	5.2	< 1	< 0.1	23	0.4	194	< 0.1	1.9	0.221	< 0.05	0.8	131	< 0.1	14.1	86
410354	3.30	1100	1.9	3.19	4.8	107	0.099	4.6	10.8	< 1	1.0	22	1.9	269	0.3	1.3	0.439	0.13	1.1	168	0.8	14.5	70
410355	4.22	1270	1.9	3.09	3.3	163	0.061	1.9	7.4	< 1	0.3	23	1.7	205	0.1	1.6	0.418	< 0.05	1.0	156	0.4	13.7	64
410356	4.77	925	6.1	0.046	1.1	529	0.013	0.9	1.5	< 1	0.4	13	0.7	86	< 0.1	0.1	0.236	< 0.05	0.1	90	0.4	4.9	60
410357	8.25	1480	0.8	0.063	1.4	794	0.023	1.8	0.6	< 1	0.1	22	0.6	146	< 0.1	0.3	0.329	< 0.05	0.2	138	0.2	8.3	81
410358	8.89	1470	0.9	0.106	0.6	827	0.025	2.4	1.2	< 1	0.1	23	0.5	121	< 0.1	0.3	0.337	< 0.05	0.2	163	< 0.1	7.5	97
410359	9.43	1450	0.4	0.074	0.2	819	0.018	2.9	0.9	< 1	< 0.1	22	0.2	116	< 0.1	0.2	0.207	< 0.05	0.1	134	< 0.1	5.3	82
410360 BLC	0.42	270	4.3	2.91	0.7	22.1	0.017	6.4	47.0	< 1	< 0.1	5	0.4	332	< 0.1	1.3	0.131	0.24	0.4	36	< 0.1	5.7	16
410361	9.66	1040	0.5	0.069	0.5	846	0.024	1.8	1.1	< 1	< 0.1	25	0.3	104	< 0.1	0.2	0.286	< 0.05	0.1	166	< 0.1	4.8	74
410362	0.84	507	0.8	1.49	0.4	33.1	0.040	11.8	113	< 1	< 0.1	12	1.4	143	< 0.1	18.0	0.194	0.49	4.2	62	< 0.1	20.1	55
410363	5.91	1070	0.9	1.40	1.0	296	0.048	1.8	44.1	< 1	0.1	32	1.6	149	< 0.1	6.0	0.342	0.25	1.5	193	< 0.1	17.7	86
410364	11.0	1100	0.6	0.884	0.4	718	0.039	0.5	2.6	< 1	< 0.1	21	0.2	82	< 0.1	1.4	0.214	< 0.05	0.4	120	< 0.1	11.4	66
410365	0.95	483	4.5	1.17	14.4	48.7	0.042	7.1	72.9	< 1	0.3	10	3.5	67	1.3	10.3	0.380	0.69	2.8	96	2.7	13.9	64
410366	1.44	761	0.7	1.95	0.6	27.1	0.058	12.1	80.3	< 1	< 0.1	18	0.9	209	< 0.1	14.1	0.287	0.49	2.7	135	0.1	19.7	70
410367	2.33	1440	0.1	2.59	< 0.1	11.8	0.085	7.1	38.5	< 1	< 0.1	35	0.5	277	< 0.1	5.9	0.233	0.21	2.0	201	< 0.1	25.2	108
410368	2.23	1310	0.1	2.36	0.1	13.1	0.085	5.7	45.0	< 1	< 0.1	28	0.2	298	< 0.1	7.0	0.121	0.21	2.0	105	< 0.1	25.8	94
410369	1.37	1300	9.5	0.359	6.1	33.3	0.281	2.7	15.5	3	0.3	10	1.1	44	0.3	6.3	0.274	0.19	2.2	132	0.4	28.3	75
410370 MR	0.83	3030	115	0.954	1.2	65.8	0.073	10.5	98.3	2	3.8	12	6.5	74	< 0.1	2.9	0.295	0.27	31.7	193	17.1	18.7	24
410371	8.07	1580	1.1	0.754	1.7	634	0.032	1.5	25.7	< 1	0.1	26	0.5	62	< 0.1	1.8	0.445	0.16	0.8	175	< 0.1	13.6	124
410372	2.52	1280	1.2	2.67	0.4	23.9	0.081	3.9	42.5	< 1	< 0.1	32	0.5	552	< 0.1	1.9	0.365	0.26	1.0	176	< 0.1	21.0	76
410373	2.48	1490	1.6	1.76	0.5	29.8	0.078	3.5	15.5	< 1	< 0.1	32	0.7	319	< 0.1	1.9	0.362	0.09	0.8	181	< 0.1	14.9	76
410374	1.65	1130	0.8	2.22	0.8	17.0	0.076	3.5	59.2	< 1	< 0.1	22	0.5	339	< 0.1	2.9	0.269	0.34	1.3	90	< 0.1	20.4	90
410375	1.54	1020	0.6	2.60	0.4	18.0	0.058	3.2	53.6	< 1	< 0.1	17	0.5	242	< 0.1	1.6	0.220	0.35	1.0	88	< 0.1	18.7	73
410376	2.71	1590	3.9	1.93	5.0	45.1	0.108	3.9	23.7	< 1	1.0	22	1.5	317	0.4	1.3	0.684	0.30	1.1	279	1.3	13.1	102
410377	0.83	1060	5.3	2.28	3.7	3.1	0.096	5.1	43.8	< 1	0.2	19	1.6	268	0.1	2.1	0.338	0.28	1.3	78	0.3	18.5	110
410378	1.60	1060	6.4	2.35	5.1	47.6	0.081	6.0	27.9	< 1	0.3	18	1.5	286	0.3	3.3	0.303	0.18	1.5	69	0.6	18.7	75
410379	2.15	1150	3.6	2.06	4.5	61.9	0.078	6.0	34.0	< 1	0.2	22	1.9	194	< 0.1	4.7	0.397	0.21	1.6	126	0.7	18.2	80
410380 BLC	0.40	266	12.1	2.86	1.4	20.4	0.019	6.4	47.0	< 1	< 0.1	6	0.6	323	< 0.1	1.3	0.145	0.25	0.3	38	< 0.1	5.8	20
410381	1.95	935	0.3	1.63	0.2	26.4	0.061	2.6	96.4	< 1	0.1	21	0.5	95	< 0.1	6.7	0.180	0.47	1.8	85	< 0.1	15.4	41
410382	7.51	1110	1.5	0.035	1.3	604	0.025	0.9	8.1	< 1	< 0.1	22	0.5	269	< 0.1	0.4	0.291	< 0.05	0.2	157	0.3	5.3	62
410383	8.72	1040	1.2	0.007	0.8	848	0.017	1.0	1.8	< 1	0.1	23	0.3	236	< 0.1	< 0.1	0.242	< 0.05	0.1	147	0.2	4.6	58
410384	8.07	1060	1.2	0.013	1.3	704	0.021	1.7	0.8	< 1	< 0.1	22	0.7	267	< 0.1	0.2	0.278	< 0.05	0.1	157	0.3	4.7	67
410385	7.91	1050	1.2	0.023	0.6	732	0.024	1.3	10.4	< 1	0.2	23	0.6	275	< 0.1	0.3	0.302	< 0.05	0.4	142	< 0.1	5.6	67
410386	7.27	949	0.9	0.020	0.1	751	0.015	0.8	13.6	< 1	< 0.1	22	0.3	207	< 0.1	0.2	0.212	0.09	0.4	140	< 0.1	5.1	72
410387	6.65	907	3.2	0.055	0.4	567	0.010	1.3	49.8	< 1	0.3	18	0.5	175	< 0.1	0.1	0.204	0.29	0.1	115	0.2	4.6	47
410388	8.11	1010	1.0	0.080	0.2	730	0.009	0.9	40.2	< 1	< 0.1	23	0.7	163	< 0.1	0.1	0.248	0.25	< 0.1	147	< 0.1	4.7	78
410389	8.39	1050	1.0	0.308	0.7	729	0.019	1.2	10.6	< 1	< 0.1	22	0.3	161	< 0.1	0.2	0.304	0.07	< 0.1	153	< 0.1	4.9	53
410390	8.35	1060	1.9	0.280	0.7	691	0.021	1.2	13.6	< 1	< 0.1	23	0.3	159	< 0.1	0.2	0.315	0.09	< 0.1	161	0.1	5.4	56
410391	8.56	1100	0.4	0.303	0.5	762	0.023	0.9	20.9	< 1	0.2	22	0.3	145	< 0.1	0.1	0.287	0.13	0.1	160	0.1	5.2	55

Analyte Symbol	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	S	Sb	Sc	Sn	Sr	Ta	Th	Ti	Tl	U	V	W	Y	Zn
Unit Symbol	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	1	0.1	1	0.1	1	0.1	0.1	0.001	0.05	0.1	4	0.1	0.1	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
410392	8.09	950	1.8	0.131	0.6	702	0.018	1.4	5.5	< 1	< 0.1	20	0.3	307	< 0.1	0.1	0.271	< 0.05	0.2	124	0.2	4.7	49
410393	9.39	1060	0.4	0.037	0.3	809	0.026	1.1	0.6	< 1	< 0.1	21	0.2	238	< 0.1	0.1	0.267	< 0.05	< 0.1	139	< 0.1	4.3	57
410394	8.86	1080	1.5	0.212	1.3	731	0.021	1.0	0.4	< 1	1.0	22	0.8	281	< 0.1	0.1	0.247	< 0.05	< 0.1	150	0.3	4.4	64
410395	9.21	1110	0.5	0.075	0.4	804	0.026	1.0	0.6	< 1	< 0.1	23	0.4	252	< 0.1	0.1	0.288	< 0.05	< 0.1	147	< 0.1	4.3	65
410396	8.57	1110	0.7	0.066	0.4	712	0.033	1.2	1.6	< 1	0.2	22	0.5	257	< 0.1	0.3	0.297	< 0.05	0.1	141	2.9	4.2	62
410397	8.90	1130	0.4	0.072	0.3	774	0.022	1.5	0.8	< 1	0.1	24	0.5	250	< 0.1	0.2	0.308	< 0.05	0.1	151	< 0.1	4.2	63
410398	8.45	1030	2.5	0.072	< 0.1	693	0.014	0.9	42.9	< 1	0.3	20	0.3	179	< 0.1	0.1	0.241	0.27	< 0.1	141	< 0.1	5.1	59
410399	9.45	1130	0.5	0.028	0.4	798	0.018	0.9	19.4	< 1	0.8	25	0.3	125	< 0.1	0.1	0.289	0.13	< 0.1	172	0.2	6.8	48
410400 MR	1.00	644	6.6	0.898	2.4	11.4	0.066	20.7	88.1	< 1	2.4	11	0.9	246	0.1	2.7	0.296	0.96	0.7	101	3.5	9.1	86
410401	6.23	1090	7.1	0.056	0.6	497	0.010	1.1	21.3	< 1	1.3	16	0.6	182	< 0.1	0.1	0.167	0.14	0.3	102	0.9	7.1	122
410402	4.52	661	7.0	0.092	0.4	563	0.007	2.0	29.5	< 1	1.8	13	0.5	117	< 0.1	0.1	0.166	0.20	0.1	112	0.8	4.5	519
410403	8.52	1160	0.7	0.089	0.2	690	0.019	1.2	27.3	< 1	0.5	22	0.2	139	< 0.1	0.2	0.227	0.16	< 0.1	141	< 0.1	6.3	66
410404	8.81	1170	1.1	0.112	2.1	767	0.028	1.0	19.4	< 1	4.5	24	0.9	113	0.1	0.2	0.413	0.21	< 0.1	167	2.0	6.2	67
410405	6.64	1120	3.9	0.082	0.4	611	0.013	1.2	27.4	< 1	1.2	17	0.4	154	< 0.1	0.2	0.275	0.17	0.1	123	0.4	7.3	33
410406	8.68	1150	0.2	0.026	< 0.1	769	0.016	0.8	7.6	< 1	0.2	23	< 0.1	123	< 0.1	0.2	0.180	< 0.05	0.1	127	< 0.1	7.0	57
410407	5.09	923	7.0	0.029	0.6	390	0.010	0.9	6.6	< 1	1.4	13	0.5	136	< 0.1	< 0.1	0.164	< 0.05	< 0.1	91	1.8	4.6	25
410408	7.84	1090	0.3	0.057	< 0.1	679	0.018	0.9	20.3	< 1	0.4	23	0.2	142	< 0.1	0.2	0.195	0.12	0.1	148	< 0.1	7.0	45
410409	4.37	997	4.8	0.207	3.2	230	0.094	2.1	86.3	< 1	6.3	23	1.6	151	< 0.1	1.4	0.378	0.53	0.8	169	2.9	9.3	26
410410 BLC	0.46	274	4.5	3.08	0.6	21.1	0.018	6.7	48.3	< 1	< 0.1	5	0.5	347	< 0.1	1.3	0.121	0.25	0.4	34	< 0.1	6.2	22
410411	2.89	591	10.6	0.166	2.4	74.0	0.073	1.6	87.5	< 1	2.4	20	1.4	110	< 0.1	1.5	0.299	0.51	0.8	130	2.5	7.7	16
410412	7.29	978	1.7	0.113	1.1	564	0.039	1.1	57.7	< 1	0.9	24	0.7	185	< 0.1	0.6	0.285	0.33	0.3	174	1.2	7.0	51
410413	3.72	725	11.3	0.058	0.4	290	0.006	1.5	22.2	< 1	2.9	9	0.6	186	< 0.1	0.1	0.113	0.13	0.1	64	1.1	4.6	19
410414	2.70	529	10.1	0.033	0.3	68.5	< 0.001	1.6	5.7	< 1	1.1	5	0.5	185	< 0.1	0.2	0.036	< 0.05	< 0.1	25	1.5	6.0	14
410415	8.95	1150	4.0	0.092	1.8	753	0.017	2.0	42.9	< 1	9.1	24	1.3	221	0.1	0.2	0.371	0.25	< 0.1	148	5.3	6.2	56
410416	8.01	1040	1.8	0.093	1.0	535	0.051	2.2	49.2	< 1	0.4	21	1.4	239	< 0.1	0.5	0.317	0.28	0.3	147	0.5	6.1	46
410417	3.55	523	12.0	0.038	0.5	217	0.007	1.1	17.9	< 1	1.5	7	0.5	174	< 0.1	0.1	0.101	0.10	< 0.1	51	0.2	3.7	24
410418	8.67	1120	0.4	0.085	< 0.1	656	0.031	1.4	45.6	< 1	0.5	21	0.2	304	< 0.1	0.2	0.174	0.29	0.1	121	< 0.1	6.8	48
410419	8.98	1050	0.6	0.080	0.1	727	0.037	1.3	32.2	< 1	0.3	23	0.3	245	< 0.1	0.3	0.229	0.19	0.2	142	< 0.1	6.0	62
410420	8.46	1140	0.5	0.096	0.1	756	0.028	1.1	37.7	< 1	0.2	24	0.2	250	< 0.1	0.3	0.266	0.24	0.5	138	< 0.1	6.8	54
410421	8.25	1100	1.2	0.117	0.2	604	0.082	1.2	60.7	< 1	0.3	27	0.8	230	< 0.1	0.8	0.296	0.36	0.5	154	< 0.1	7.6	47
410422	8.98	1080	3.0	0.118	0.4	660	0.022	1.5	50.9	< 1	0.4	21	0.5	216	< 0.1	0.2	0.256	0.30	< 0.1	135	0.2	5.5	53
410423	8.98	1100	2.4	0.076	0.7	740	0.016	1.6	38.0	< 1	< 0.1	23	0.5	209	< 0.1	0.2	0.272	0.23	0.1	144	0.2	5.2	50
410424	9.81	1090	1.8	0.033	0.6	795	0.023	2.1	10.4	< 1	< 0.1	22	0.9	204	< 0.1	0.2	0.324	0.06	0.1	148	0.2	5.7	63

Analyte Symbol	Zr
Unit Symbol	ppm
Lower Limit	0.1
Method Code	TD-MS
410224	78.2
410225	86.6
410226	80.0
410227	63.3
410228	77.6
410229	84.4
410230 MR	118
410231	98.2
410232	106
410233	90.6
410234	94.9
410235	87.6
410236	86.4
410237	77.4
410238	75.7
410239	87.9
410240 BLC	48.1
410241	101
410242	98.1
410243	93.8
410244	87.5
410245	93.7
410246	85.5
410247	94.3
410248	77.3
410249	105
410250	96.9
410251	96.4
410252	77.1
410253	77.9
410254	85.8
410255	63.3
410256	118
410257	94.4
410258	114
410259	92.8
410260 MR	124
410261	23.9
410262	50.0
410263	35.6
410264	37.4
410265	32.3

Analyte Symbol	Zr
Unit Symbol	ppm
Lower Limit	0.1
Method Code	TD-MS
410266	82.1
410267	103
410268	82.1
410269	157
410270 BLC	41.7
410271	108
410272	23.2
410273	28.4
410274	26.4
410275	25.2
410276	24.6
410277	23.6
410278	27.7
410279	24.3
410280	27.3
410281	25.6
410282	21.1
410283	19.2
410284	18.1
410285	20.0
410286	21.3
410287	14.2
410288	17.5
410289	21.3
410290 MR	71.0
410291	51.6
410292	12.6
410293	58.7
410294	66.9
410295	37.8
410296	50.9
410297	91.4
410298	81.6
410299	32.8
410300 BLC	53.4
410301	14.8
410302	43.8
410303	30.7
410304	43.7
410305	44.1
410306	36.4
410307	38.2

Analyte Symbol	Zr
Unit Symbol	ppm
Lower Limit	0.1
Method Code	TD-MS
410308	103
410309	34.1
410310	33.1
410311	60.5
410312	67.8
410313	23.9
410314	41.9
410315	41.1
410316	20.0
410317	31.9
410318	76.6
410319	53.0
410320 MR	111
410321	51.0
410322	78.4
410323	50.9
410324	86.7
410325	88.1
410326	64.3
410327	26.4
410328	82.6
410329	37.8
410330 BLC	37.1
410331	47.1
410332	41.7
410333	52.5
410334	41.8
410335	63.0
410336	73.6
410337	61.5
410338	62.6
410339	63.7
410340	86.1
410341	70.5
410342	53.9
410343	54.5
410344	73.1
410345	49.6
410346	61.6
410347	76.1
410348	49.7
410349	47.2

Analyte Symbol	Zr
Unit Symbol	ppm
Lower Limit	0.1
Method Code	TD-MS
410350 MR	119
410351	44.2
410352	60.8
410353	71.0
410354	82.6
410355	82.4
410356	21.3
410357	32.7
410358	33.4
410359	24.7
410360 BLC	52.9
410361	26.0
410362	131
410363	76.9
410364	72.1
410365	180
410366	147
410367	67.6
410368	50.5
410369	70.7
410370 MR	125
410371	52.0
410372	65.1
410373	26.2
410374	40.1
410375	48.2
410376	49.8
410377	75.9
410378	96.8
410379	80.6
410380 BLC	49.2
410381	77.1
410382	35.8
410383	19.3
410384	23.5
410385	29.9
410386	22.2
410387	19.5
410388	23.6
410389	23.4
410390	23.3
410391	24.1

Analyte Symbol	Zr
Unit Symbol	ppm
Lower Limit	0.1
Method Code	TD-MS
410392	19.2
410393	23.2
410394	20.8
410395	25.2
410396	23.6
410397	19.3
410398	18.0
410399	21.6
410400 MR	66.2
410401	16.6
410402	15.9
410403	21.5
410404	25.8
410405	19.9
410406	26.0
410407	11.9
410408	26.2
410409	55.9
410410 BLC	41.8
410411	54.0
410412	43.3
410413	11.5
410414	4.0
410415	25.0
410416	30.6
410417	6.8
410418	18.7
410419	24.9
410420	23.5
410421	33.9
410422	20.5
410423	26.2
410424	29.2

Analyte Symbol	Te	Cu	Pb	Zn	Ag	Al	As	Au	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe	Hf	K	La	Li
Unit Symbol	ppm	%	%	%	ppm	%	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm
Lower Limit	0.1	0.005	0.01	0.01	0.1	0.01	1	100	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.1	0.01	0.1	0.01	0.1	0.1
Method Code	TD-MS	FUS-Na2O2	FUS-Na2O2	FUS-Na2O2	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	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-1 Meas					28.9	1.96	417	1900	659	< 1	1340	0.86	1.9	14	7.3	17	2.6	1120	22.9	0.5	0.04	7.1	7.0
GXR-1 Cert					31.0	3.52	427	3300	750	1.22	1380	0.960	3.30	17.0	8.20	12.0	3.00	1110	23.6	0.960	0.050	7.50	8.20
DH-1a Meas																							
DH-1a Cert																							
GXR-4 Meas					3.6	6.44	95	400	101	2	16.7	0.95	0.3	109	13.4	44	2.4	6130	3.05	1.2	3.63	53.4	10.9
GXR-4 Cert					4.0	7.20	98.0	500	1640	1.90	19.0	1.01	0.860	102	14.6	64.0	2.80	6520	3.09	6.30	4.01	64.5	11.1
SDC-1 Meas						7.96	< 1		647	3		0.99		88	19.7	44	4.2	30.0	4.83	1.0	1.85	39.9	35.1
SDC-1 Cert						8.34	0.220		630	3.00		1.00		93.00	18.0	64.00	4.00	30.000	4.82	8.30	2.72	42.00	34.0
GXR-6 Meas					0.2	10.8	205	> 2000	1240	1	0.2	0.16	0.1	31	13.5	51	4.1	67.8	5.39	1.3	1.83	11.2	32.4
GXR-6 Cert					1.30	17.7	330	95.0	1300	1.40	0.290	0.180	1.00	36.0	13.8	96.0	4.20	66.0	5.58	4.30	1.87	13.9	32.0
OREAS 134b (Fusion) Meas		0.136	13.0	17.5																			
OREAS 134b (Fusion) Cert		0.134	13.20	18.12																			
MP-1b Meas		3.08	2.09	16.4																			
MP-1b Cert		3.07	2.09	16.7																			
DNC-1a Meas									107						58.6	152		97.2				3.5	4.5
DNC-1a Cert									118						57	270		100				3.6	5.2
CPB-2 Meas		0.124	63.0	6.06																			
CPB-2 Cert		0.1213	63.52	6.04																			
CZN-4 Meas		0.408	0.19	55.4																			
CZN-4 Cert		0.403	0.1861	55.07																			
SBC-1 Meas							26		837	3	0.7		0.2	107	22.0	73	8.0	26.8		3.0		51.0	162
SBC-1 Cert							25.7		788.0	3.20	0.70		0.40	108.0	22.7	109	8.2	31.0000		3.7		52.5	163
OREAS 45d (4-Acid) Meas						6.84	6		177	< 1	0.4	0.18		33	28.4	451	3.7	368	13.5	1.4	0.38	15.4	19.3
OREAS 45d (4-Acid) Cert						8.150	13.8		183.0	0.79	0.31	0.185		37.20	29.50	549	3.910	371	14.5	3.830	0.412	16.9	21.5
SdAR-M2 (U.S.G.S.) Meas									983	6	1.0		4.7	92	13.0	34	1.7	237		2.2		42.6	16.8
SdAR-M2 (U.S.G.S.) Cert									990	6.6	1.05		5.1	98.8	12.4	49.6	1.82	236.0000		7.29		46.6	17.9
CCU-1e Meas			0.72	3.10																			
CCU-1e Cert			0.703	3.02																			
410239 Orig	< 0.1				< 0.1	7.15	< 1	< 100	443	1	< 0.1	2.70	< 0.1	32	3.6	109	0.4	3.3	2.35	2.4	1.80	14.4	6.5
410239 Dup	< 0.1				< 0.1	6.70	< 1	< 100	414	1	< 0.1	2.72	0.1	30	4.1	103	0.4	3.6	2.35	2.9	1.67	12.4	6.4
410241 Orig	< 0.1				< 0.1	7.46	1	< 100	432	1	< 0.1	2.13	< 0.1	32	4.0	86	0.5	3.2	2.37	3.2	1.69	14.8	6.7
410241 Dup	< 0.1				< 0.1	7.05	< 1	< 100	421	1	< 0.1	2.12	< 0.1	31	4.2	99	0.5	5.8	2.33	3.0	1.54	13.9	6.3
410277 Orig	< 0.1				< 0.1	4.00	117	< 100	6	< 1	< 0.1	6.94	0.1	5	67.3	669	0.1	38.3	6.75	0.6	0.04	1.8	25.4
410277 Dup	< 0.1				< 0.1	3.94	115	< 100	6	< 1	< 0.1	7.06	< 0.1	5	68.8	666	< 0.1	39.0	6.73	0.6	0.04	1.7	25.8
410282 Orig	< 0.1				< 0.1	4.35	144	< 100	26	< 1	< 0.1	7.96	< 0.1	5	71.5	799	0.1	47.5	6.66	0.6	0.22	2.0	25.3
410282 Dup	< 0.1				< 0.1	4.20	154	< 100	23	< 1	< 0.1	7.72	0.1	5	70.2	735	0.1	46.9	6.48	0.5	0.21	1.9	24.7

Analyte Symbol	Te	Cu	Pb	Zn	Ag	Al	As	Au	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe	Hf	K	La	Li
Unit Symbol	ppm	%	%	%	ppm	%	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm
Lower Limit	0.1	0.005	0.01	0.01	0.1	0.01	1	100	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.1	0.01	0.1	0.01	0.1	0.1
Method Code	TD-MS	FUS-Na2O2	FUS-Na2O2	FUS-Na2O2	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
410313 Orig	< 0.1				0.2	5.96	8	< 100	502	< 1	< 0.1	4.48	0.1	17	21.3	84	0.8	136	5.86	0.8	2.10	7.3	9.0
410313 Dup	< 0.1				< 0.1	6.11	9	< 100	490	1	< 0.1	4.56	< 0.1	17	23.4	74	0.8	136	5.92	0.8	2.12	7.3	9.0
410323 Orig	< 0.1				< 0.1	3.86	11	< 100	283	< 1	0.1	7.28	< 0.1	15	10.2	99	0.5	913	3.07	1.3	1.69	6.9	2.1
410323 Dup	< 0.1				< 0.1	4.01	12	< 100	294	< 1	0.1	7.67	0.2	16	10.9	96	0.6	918	3.15	1.3	1.79	7.2	2.2
410325 Orig					0.1	4.93	12	< 100	430	< 1	< 0.1	3.08	< 0.1	15	19.6	103	0.7	85.7	5.84	2.3	2.24	5.4	0.7
410325 Dup					< 0.1	6.80	11	< 100	424	< 1	< 0.1	3.18	< 0.1	23	19.8	99	0.8	83.7	5.98	2.4	2.30	9.4	0.8
410352 Orig	< 0.1				< 0.1	7.99	1	< 100	216	1	0.1	5.94	< 0.1	23	26.3	131	0.6	15.6	5.92	2.1	0.56	8.9	9.7
410352 Dup	< 0.1				< 0.1	7.87	1	< 100	225	1	< 0.1	5.81	< 0.1	23	26.7	115	0.6	16.0	5.94	1.1	0.55	9.1	9.5
410377 Orig	< 0.1				< 0.1	6.91	< 1	< 100	439	1	< 0.1	3.43	< 0.1	27	16.2	70	0.4	59.2	6.36	1.9	1.25	11.6	6.1
410377 Dup	< 0.1				< 0.1	7.23	< 1	< 100	435	1	< 0.1	3.49	< 0.1	27	17.2	67	0.4	61.1	6.61	2.1	1.23	12.2	6.4
410395 Orig	< 0.1				< 0.1	3.86	3	< 100	4	< 1	< 0.1	5.70	< 0.1	5	73.2	1190	0.2	83.5	6.76	0.7	< 0.01	1.7	13.3
410395 Dup	< 0.1				< 0.1	3.82	1	< 100	3	< 1	< 0.1	5.68	< 0.1	5	75.4	1210	0.1	78.0	6.77	0.7	< 0.01	1.9	13.3
Method Blank					< 0.1	0.01	< 1	< 100	< 1	< 1	< 0.1	< 0.01	< 0.1	< 1	< 0.2	8	< 0.1	0.4	0.01	< 0.1	0.01	0.4	< 0.1
Method Blank					< 0.1	0.03	< 1	< 100	1	< 1	< 0.1	< 0.01	< 0.1	< 1	< 0.2	11	< 0.1	0.2	0.01	< 0.1	< 0.01	0.1	< 0.1
Method Blank					< 0.1	< 0.01	< 1	< 100	< 1	< 1	< 0.1	< 0.01	< 0.1	< 1	< 0.2	7	< 0.1	0.3	< 0.01	< 0.1	< 0.01	< 0.1	< 0.1
Method Blank					< 0.1	0.01	< 1	< 100	< 1	< 1	< 0.1	< 0.01	< 0.1	< 1	< 0.2	7	< 0.1	0.5	< 0.01	< 0.1	< 0.01	0.3	< 0.1
Method Blank					< 0.1	0.09	< 1	< 100	2	< 1	< 0.1	< 0.01	< 0.1	< 1	< 0.2	7	< 0.1	0.1	0.01	< 0.1	< 0.01	0.1	< 0.1
Method Blank					< 0.1	0.01	< 1	< 100	< 1	< 1	< 0.1	< 0.01	< 0.1	< 1	< 0.2	3	< 0.1	0.6	< 0.01	< 0.1	< 0.01	< 0.1	< 0.1
Method Blank		< 0.005	< 0.01	< 0.01																			

Analyte Symbol	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	S	Sb	Sc	Sn	Sr	Ta	Th	Ti	Tl	U	V	W	Y	Zn
Unit Symbol	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	1	0.1	1	0.1	1	0.1	0.1	0.001	0.05	0.1	4	0.1	0.1	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-1 Meas	0.19	818	16.4	0.046	0.7	35.7	0.058	702	2.4	< 1	36.5	1	25.2	276	< 0.1	2.4	0.023	0.40	32.9	79	141	27.1	707
GXR-1 Cert	0.217	852	18.0	0.0520	0.800	41.0	0.0650	730	14.0	0.257	122	1.58	54.0	275	0.175	2.44	0.036	0.390	34.9	80.0	164	32.0	760
DH-1a Meas																861			2410				
DH-1a Cert																910			2629				
GXR-4 Meas	1.73	155	314	0.542	9.2	38.3	0.145	48.9	137	2	4.8	7	6.9	208	0.6	20.1	0.288	3.23	5.3	84	35.3	12.1	68
GXR-4 Cert	1.66	155	310	0.564	10.0	42.0	0.120	52.0	160	1.77	4.80	7.70	5.60	221	0.790	22.5	0.29	3.20	6.20	87.0	30.8	14.0	73.0
SDC-1 Meas	0.78	888		1.58	2.0	33.8	0.060	24.3	91.7		0.2	15	0.8	175	0.1	11.7	0.245	0.65	2.8	61	0.1		109
SDC-1 Cert	1.02	880.00		1.52	21.00	38.0	0.0690	25.00	127.00		0.54	17.00	3.00	180.00	1.20	12.00	0.606	0.70	3.10	102.00	0.80		103.00
GXR-6 Meas	0.51	988	0.2	0.095	0.1	24.7	0.031	96.6	66.8	< 1	0.3	22	0.4	32	< 0.1	4.5		2.22	1.3	94	< 0.1	11.1	127
GXR-6 Cert	0.609	1010	2.40	0.104	7.50	27.0	0.0350	101	90.0	0.0160	3.60	27.6	1.70	35.0	0.485	5.30		2.20	1.54	186	1.90	14.0	118
OREAS 134b (Fusion) Meas																							
OREAS 134b (Fusion) Cert																							
MP-1b Meas																							
MP-1b Cert																							
DNC-1a Meas					1.3	251		5.6	3.2		0.5	29		139			0.276			153		15.8	58
DNC-1a Cert					3	247		6.3	5		0.96	31		144			0.29			148		18.0	70
CPB-2 Meas																							
CPB-2 Cert																							
CZN-4 Meas																							
CZN-4 Cert																							
SBC-1 Meas			2.2		12.5	80.1		34.3	131		1.8	19	3.5	172	0.7	16.0	0.477	0.93	6.0	224	1.6	31.0	186
SBC-1 Cert			2.4		15.3	82.8		35.0	147		1.01	20.0	3.3	178.0	1.10	15.8	0.51	0.89	5.76	220.0	1.60	36.5	186
OREAS 45d (4-Acid) Meas	0.22	473	0.7	0.094	0.3	216	0.033	19.5	34.1	< 1	< 0.1	43	0.8	26	< 0.1	13.1	0.191	0.24	2.6	104	0.2	10.1	41
OREAS 45d (4-Acid) Cert	0.245	490.000	2.500	0.101	14.50	231.0	0.042	21.8	42.1	0.049	0.82	49.30	2.78	31.30	1.02	14.5	0.773	0.27	2.63	235.0	1.62	9.53	45.7
SdAR-M2 (U.S.G.S.) Meas			10.9		3.4	48.9		713	107			4		128	< 0.1	13.4			2.4	23	0.2	23.2	793
SdAR-M2 (U.S.G.S.) Cert			13.3		26.2	48.8		808	149			4.1		144	1.8	14.2			2.53	25.2	2.8	32.7	760
CCU-1e Meas																							
CCU-1e Cert																							
410239 Orig	0.23	728	7.1	2.60	4.2	2.3	0.032	5.5	51.7	< 1	0.2	7	1.5	148	0.3	3.9	0.154	0.18	1.8	16	0.4	16.8	48
410239 Dup	0.23	715	10.3	2.56	4.7	2.1	0.031	5.2	46.3	< 1	0.2	6	1.7	125	0.2	3.3	0.179	0.17	1.4	17	0.4	15.2	44
410241 Orig	0.23	624	8.5	2.86	5.1	2.8	0.033	5.1	48.0	< 1	0.1	7	1.7	139	0.2	3.9	0.183	0.17	2.0	20	0.4	16.5	42
410241 Dup	0.23	615	9.6	2.75	5.2	2.5	0.033	5.0	45.4	< 1	0.2	7	1.7	130	0.2	3.8	0.182	0.15	1.9	18	0.5	15.7	45
410277 Orig	8.83	1150	0.9	0.011	0.7	765	0.016	1.1	1.7	< 1	0.2	23	0.3	293	< 0.1	0.2	0.285	< 0.05	0.1	152	< 0.1	5.3	81
410277 Dup	8.75	1140	1.1	0.010	0.6	763	0.018	1.2	1.7	< 1	0.2	23	0.3	296	< 0.1	0.1	0.299	< 0.05	0.1	151	< 0.1	5.2	87
410282 Orig	8.44	1250	0.8	0.016	0.6	813	0.016	0.8	8.8	< 1	0.3	25	0.2	237	< 0.1	0.1	0.285	0.06	0.3	168	0.1	5.2	68
410282 Dup	8.33	1170	0.5	0.016	0.5	800	0.015	0.8	8.5	< 1	0.3	25	0.3	223	< 0.1	0.1	0.268	0.06	0.3	165	0.1	4.9	69
410313 Orig	2.40	1130	1.3	0.753	0.4	16.1	0.098	1.3	84.3	< 1	0.4	23	1.2	185	< 0.1	1.7	0.352	0.40	0.8	126	0.3	10.1	61
410313 Dup	2.47	1150	1.2	0.761	0.3	17.0	0.098	1.3	85.1	< 1	0.4	23	1.1	186	< 0.1	1.7	0.320	0.39	0.9	122	0.3	10.2	53

Analyte Symbol	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	S	Sb	Sc	Sn	Sr	Ta	Th	Ti	Tl	U	V	W	Y	Zn
Unit Symbol	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	1	0.1	1	0.1	1	0.1	0.1	0.001	0.05	0.1	4	0.1	0.1	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
410323 Orig	2.57	897	7.4	0.091	3.8	28.2	0.097	1.9	61.0	< 1	2.0	16	1.6	179	0.2	1.0	0.311	0.35	0.6	98	6.0	12.9	12
410323 Dup	2.66	913	7.6	0.096	4.1	29.9	0.102	2.0	62.8	< 1	2.0	16	1.5	187	0.2	1.0	0.310	0.37	0.7	100	5.9	13.3	11
410325 Orig	1.75	931	4.4	0.183	6.3	12.3	0.060	1.9	47.4	1	1.5	18	1.4	87	0.4	1.0	0.620	0.62	0.9	156	4.5	8.1	25
410325 Dup	1.94	925	3.9	0.188	6.3	12.7	0.062	3.3	89.7	1	1.2	25	1.4	92	0.4	1.9	0.633	0.62	0.9	155	4.2	11.1	26
410352 Orig	3.22	1060	1.1	3.41	0.5	67.6	0.070	2.0	22.2	< 1	0.1	30	1.0	383	< 0.1	2.4	0.372	0.14	1.1	129	< 0.1	22.5	61
410352 Dup	3.18	1080	0.2	3.34	0.1	68.4	0.067	2.0	21.7	< 1	0.2	29	0.8	387	< 0.1	2.4	0.155	0.14	1.1	67	< 0.1	21.8	63
410377 Orig	0.81	1040	5.2	2.19	3.8	3.2	0.093	5.0	43.2	< 1	0.2	18	1.6	263	0.1	2.0	0.334	0.28	1.3	77	0.3	17.8	111
410377 Dup	0.85	1080	5.4	2.37	3.6	3.0	0.099	5.3	44.4	< 1	0.1	20	1.7	274	0.2	2.2	0.343	0.28	1.3	78	0.3	19.2	109
410395 Orig	9.36	1120	0.7	0.075	0.6	806	0.025	1.0	0.6	< 1	< 0.1	23	0.5	249	< 0.1	0.1	0.306	< 0.05	< 0.1	149	< 0.1	4.4	63
410395 Dup	9.06	1110	0.3	0.075	0.2	801	0.027	1.0	0.7	< 1	< 0.1	23	0.3	254	< 0.1	0.1	0.271	< 0.05	0.1	145	< 0.1	4.2	67
Method Blank	< 0.01	15	0.2	0.002	0.1	0.6	< 0.001	0.1	0.3	< 1	0.4	< 1	1.0	< 1	< 0.1	< 0.1	0.001	< 0.05	< 0.1	< 4	0.5	< 0.1	< 1
Method Blank	< 0.01	18	0.1	0.002	< 0.1	0.3	< 0.001	0.1	< 0.1	< 1	0.1	< 1	0.3	< 1	< 0.1	0.1	< 0.001	< 0.05	< 0.1	< 4	0.1	< 0.1	< 1
Method Blank	< 0.01	16	< 0.1	0.002	< 0.1	0.3	< 0.001	< 0.1	< 0.1	< 1	0.2	< 1	0.4	< 1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.1	< 4	< 0.1	< 0.1	< 1
Method Blank	< 0.01	5	< 0.1	0.002	< 0.1	0.3	< 0.001	0.1	< 0.1	< 1	< 0.1	< 1	0.2	< 1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.1	< 4	0.1	< 0.1	1
Method Blank	0.01	6	< 0.1	0.002	< 0.1	0.2	< 0.001	< 0.1	< 0.1	< 1	< 0.1	< 1	0.2	2	< 0.1	< 0.1	0.001	< 0.05	< 0.1	< 4	< 0.1	< 0.1	< 1
Method Blank	< 0.01	8	< 0.1	0.002	< 0.1	0.4	< 0.001	< 0.1	< 0.1	< 1	< 0.1	< 1	0.2	< 1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.1	< 4	0.1	< 0.1	< 1
Method Blank																							

Analyte Symbol	Zr
Unit Symbol	ppm
Lower Limit	0.1
Method Code	TD-MS
GXR-1 Meas	17.0
GXR-1 Cert	38.0
DH-1a Meas	
DH-1a Cert	
GXR-4 Meas	39.9
GXR-4 Cert	186
SDC-1 Meas	40.1
SDC-1 Cert	290.00
GXR-6 Meas	48.6
GXR-6 Cert	110
OREAS 134b (Fusion) Meas	
OREAS 134b (Fusion) Cert	
MP-1b Meas	
MP-1b Cert	
DNC-1a Meas	38.7
DNC-1a Cert	38.0
CPB-2 Meas	
CPB-2 Cert	
CZN-4 Meas	
CZN-4 Cert	
SBC-1 Meas	121
SBC-1 Cert	134.0
OREAS 45d (4-Acid) Meas	57.9
OREAS 45d (4-Acid) Cert	141
SdAR-M2 (U.S.G.S.) Meas	85.6
SdAR-M2 (U.S.G.S.) Cert	259
CCU-1e Meas	
CCU-1e Cert	
410239 Orig	81.4
410239 Dup	94.4
410241 Orig	105
410241 Dup	98.4
410277 Orig	23.3
410277 Dup	23.9
410282 Orig	20.5
410282 Dup	21.7
410313 Orig	24.5
410313 Dup	23.3

Analyte Symbol	Zr
Unit Symbol	ppm
Lower Limit	0.1
Method Code	TD-MS
410323 Orig	50.3
410323 Dup	51.6
410325 Orig	87.9
410325 Dup	88.2
410352 Orig	80.2
410352 Dup	41.4
410377 Orig	74.5
410377 Dup	77.2
410395 Orig	26.1
410395 Dup	24.2
Method Blank	1.3
Method Blank	0.5
Method Blank	0.8
Method Blank	0.8
Method Blank	0.7
Method Blank	0.4
Method Blank	

Quality Analysis ... *Innovative Technologies*

Date Submitted: 15-Sep-17
Invoice No.: A17-10095
Invoice Date: 13-Oct-17
Your Reference: SG17-1338 39185-B TRUE NORTH NICKE

Techni-Lab Abitibi Inc.(Actlabs)
184 Rue Principale
Ste-Germaine-Boule Quebec J0Z 1M0
Canada

ATTN: Andre Caouette

CERTIFICATE OF ANALYSIS

201 Pulp samples were submitted for analysis.

The following analytical package(s) were requested: Code UT-4M Total Digestion ICP/MS

REPORT **A17-10095**

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:

Any values for Au are for informational purposes and should be checked by fire assay code 1A2

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
41 Bittern Street, Ancaster, Ontario, Canada, L9G 4V5
TELEPHONE +905 648-9611 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Ancaster@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Te	Al	Ag	As	Au	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Cs	Fe	Hf	K	La	Li	Na	Nb	Ni
Unit Symbol	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm
Lower Limit	0.1	0.01	0.1	1	100	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.1	0.01	0.1	0.01	0.1	0.1	0.001	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
410425	< 0.1	3.86	< 0.1	41	< 100	16	< 1	< 0.1	6.14	< 0.1	6	70.8	835	28.2	0.1	6.84	0.6	0.11	2.2	23.4	< 0.001	1.1	764
410426	< 0.1	4.14	< 0.1	61	< 100	76	< 1	< 0.1	8.91	< 0.1	18	61.8	716	42.2	0.3	5.77	0.8	0.56	9.3	19.1	0.044	1.5	679
410427	< 0.1	3.97	< 0.1	29	< 100	126	< 1	< 0.1	8.34	< 0.1	8	55.7	684	40.8	0.4	5.90	0.7	0.93	4.2	16.0	0.069	1.1	669
410428	< 0.1	4.20	< 0.1	21	< 100	39	< 1	< 0.1	7.80	< 0.1	6	56.2	759	31.8	0.2	6.18	0.7	0.22	2.8	25.3	0.075	1.0	651
410429	< 0.1	4.53	< 0.1	29	< 100	32	< 1	< 0.1	7.44	< 0.1	5	57.8	1260	19.5	0.2	6.38	0.7	0.14	2.3	28.6	0.139	1.6	644
410430 MR	0.2	4.58	0.5	240	400	77	< 1	5.8	4.14	< 0.1	90	375	35	5870	0.7	20.9	3.2	2.37	74.8	15.3	0.973	1.4	73.4
410431	< 0.1	3.57	< 0.1	58	< 100	6	< 1	< 0.1	7.75	< 0.1	7	60.0	1260	88.3	0.1	5.82	0.5	0.01	3.6	22.3	0.015	0.5	717
410432	< 0.1	3.30	< 0.1	72	< 100	25	< 1	< 0.1	10.8	0.2	4	54.7	743	61.4	0.2	5.66	0.5	0.13	1.6	18.3	0.498	0.6	634
410433	< 0.1	4.02	< 0.1	48	< 100	4	< 1	< 0.1	8.09	< 0.1	5	68.0	821	68.4	< 0.1	6.44	0.7	< 0.01	1.7	22.1	< 0.001	0.4	788
410434	< 0.1	3.76	< 0.1	18	< 100	3	< 1	< 0.1	8.50	< 0.1	4	63.0	705	56.5	< 0.1	6.31	0.6	0.01	1.5	18.6	0.001	0.9	749
410435	< 0.1	3.65	< 0.1	7	< 100	2	< 1	< 0.1	8.03	< 0.1	3	61.9	689	154	< 0.1	6.00	0.6	0.01	1.2	20.2	0.002	0.7	685
410436	< 0.1	3.75	< 0.1	13	< 100	4	< 1	< 0.1	7.37	< 0.1	3	63.1	720	118	< 0.1	6.18	0.6	0.03	1.2	21.1	0.016	0.6	756
410437	< 0.1	3.60	< 0.1	32	< 100	11	< 1	< 0.1	8.27	< 0.1	3	65.3	684	53.5	< 0.1	5.89	0.6	0.06	1.0	19.0	< 0.001	0.7	788
410438	< 0.1	3.89	< 0.1	68	< 100	11	< 1	< 0.1	6.99	< 0.1	5	65.6	1320	46.8	0.1	6.04	0.6	0.06	2.3	22.8	0.001	0.2	842
410439	< 0.1	4.46	< 0.1	211	< 100	22	< 1	< 0.1	7.77	< 0.1	3	71.9	1150	66.5	0.2	5.96	0.5	0.27	1.5	23.2	0.004	0.8	861
410440 BLC	< 0.1	6.65	< 0.1	< 1	< 100	370	< 1	< 0.1	1.90	< 0.1	17	5.7	131	7.3	0.8	1.46	1.2	1.26	7.9	8.7	3.11	0.5	23.6
410441	< 0.1	3.38	< 0.1	350	< 100	42	< 1	< 0.1	9.36	0.2	5	45.4	730	17.2	0.2	5.07	0.5	0.49	2.9	13.7	0.032	0.5	578
410442	< 0.1	4.26	< 0.1	228	< 100	49	< 1	0.1	6.96	< 0.1	16	50.0	523	63.2	0.3	5.53	1.3	0.57	7.3	19.3	0.023	1.3	482
410443	< 0.1	3.87	< 0.1	322	< 100	73	< 1	0.2	7.83	< 0.1	10	56.1	585	894	0.3	5.13	1.2	0.95	4.8	12.4	0.049	1.3	532
410444	< 0.1	0.34	0.1	62	200	8	< 1	0.3	3.77	< 0.1	1	6.1	237	539	< 0.1	1.28	< 0.1	0.08	0.5	0.8	0.011	0.1	80.4
410445	< 0.1	3.11	< 0.1	575	< 100	71	< 1	0.1	9.38	< 0.1	4	56.2	915	18.9	0.4	4.75	0.5	0.90	1.9	7.5	0.081	0.3	697
410446	< 0.1	5.11	< 0.1	2	< 100	469	1	< 0.1	2.44	< 0.1	13	4.7	136	2.3	0.6	2.78	3.2	1.47	4.0	11.4	3.20	7.4	3.2
410447	< 0.1	7.58	< 0.1	2	< 100	399	1	< 0.1	3.25	0.2	27	12.3	71	5.6	0.3	5.19	2.5	1.71	11.8	16.6	2.46	1.8	1.9
410448	< 0.1	6.92	< 0.1	< 1	< 100	478	1	< 0.1	1.95	< 0.1	28	4.4	96	0.7	0.6	2.73	2.7	1.83	12.5	14.2	3.37	1.6	1.8
410449	< 0.1	7.15	< 0.1	2	< 100	509	1	< 0.1	2.36	< 0.1	29	4.5	99	3.9	0.5	2.75	3.0	1.84	13.9	9.8	3.15	3.1	2.5
410450 MR	3.0	5.90	4.4	19	> 2000	331	1	< 0.1	4.46	0.4	23	11.3	29	72.5	5.9	3.22	1.9	2.06	10.9	44.4	1.01	2.5	12.4
410451	< 0.1	6.34	< 0.1	3	< 100	377	1	< 0.1	2.48	< 0.1	25	5.3	99	3.8	0.4	2.79	2.6	1.46	11.7	8.4	3.31	3.0	2.0
410452	< 0.1	6.91	< 0.1	5	< 100	634	1	< 0.1	3.52	< 0.1	34	4.0	78	2.8	0.5	2.64	3.0	3.20	16.6	6.4	0.923	6.0	2.2
410453	< 0.1	6.66	< 0.1	2	< 100	353	1	< 0.1	2.77	< 0.1	34	5.3	93	0.3	0.4	3.13	3.0	2.00	15.8	4.9	2.62	7.4	1.9
410454	< 0.1	6.87	< 0.1	30	< 100	427	1	< 0.1	2.81	0.1	26	8.9	101	10.7	0.4	2.90	3.0	2.37	12.0	3.8	2.07	7.6	2.7
410455	< 0.1	4.56	< 0.1	68	< 100	425	< 1	0.1	2.98	< 0.1	22	4.7	124	3.4	0.4	2.55	1.7	2.23	11.1	4.7	0.149	4.6	1.8
410456	< 0.1	7.14	< 0.1	1	< 100	453	1	< 0.1	2.41	< 0.1	34	4.2	88	0.4	0.3	2.67	2.7	2.09	16.3	6.1	2.24	4.3	2.6
410457	< 0.1	6.91	< 0.1	2	< 100	422	1	< 0.1	2.57	< 0.1	27	4.3	151	0.9	0.3	2.87	2.9	1.69	11.1	8.8	3.15	8.2	2.2
410458	< 0.1	7.53	< 0.1	27	< 100	529	1	< 0.1	2.50	< 0.1	31	4.9	114	0.5	0.5	2.95	2.8	1.95	13.6	9.7	3.45	4.8	2.9
410459	< 0.1	7.69	< 0.1	5	< 100	596	1	< 0.1	2.45	< 0.1	31	5.7	124	< 0.1	0.5	3.16	2.7	2.19	14.2	11.1	3.44	2.0	2.5
410460 BLC	< 0.1	6.63	< 0.1	< 1	< 100	384	1	< 0.1	1.92	< 0.1	17	6.2	143	8.3	0.8	1.63	1.5	1.33	8.3	8.6	3.26	1.4	25.2
410461	< 0.1	7.26	< 0.1	3	< 100	559	1	< 0.1	2.78	< 0.1	30	6.6	91	0.8	0.9	4.03	2.1	2.17	12.2	15.8	3.15	0.9	2.0
410462	< 0.1	7.21	< 0.1	1	< 100	585	1	< 0.1	2.35	< 0.1	34	5.1	97	0.4	0.6	3.08	3.0	2.01	15.5	13.2	3.40	3.0	2.9
410463	< 0.1	6.63	< 0.1	1	< 100	427	1	< 0.1	2.69	< 0.1	27	4.8	101	0.7	0.3	2.75	2.6	1.62	12.6	9.1	3.50	3.1	2.1
410464	< 0.1	7.32	< 0.1	< 1	< 100	416	1	< 0.1	2.13	< 0.1	27	4.9	81	1.3	0.3	2.94	2.7	1.79	12.6	10.8	3.06	5.0	2.3
410465	< 0.1	7.30	< 0.1	4	< 100	635	1	< 0.1	1.67	< 0.1	30	5.4	88	< 0.1	0.5	3.12	3.0	2.87	13.7	17.6	2.07	8.4	2.1
410466	< 0.1	7.26	< 0.1	< 1	< 100	474	1	< 0.1	2.00	< 0.1	34	5.8	84	0.6	0.3	3.38	2.8	2.04	14.9	12.1	2.91	7.7	2.4

Analyte Symbol	Te	Al	Ag	As	Au	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Cs	Fe	Hf	K	La	Li	Na	Nb	Ni
Unit Symbol	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm
Lower Limit	0.1	0.01	0.1	1	100	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.1	0.01	0.1	0.01	0.1	0.1	0.001	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
410467	< 0.1	5.75	< 0.1	< 1	< 100	348	1	< 0.1	1.92	< 0.1	24	4.7	97	0.6	0.3	2.72	2.6	1.66	11.7	9.4	3.27	3.3	2.6
410468	< 0.1	5.34	< 0.1	5	< 100	357	1	< 0.1	1.53	< 0.1	18	6.7	107	19.0	0.3	2.79	3.1	1.26	7.2	10.7	4.17	5.9	2.9
410469	< 0.1	6.13	< 0.1	< 1	< 100	422	< 1	< 0.1	3.85	< 0.1	65	23.0	128	5.3	0.3	6.92	1.7	1.36	27.3	25.0	0.784	0.1	25.3
410470	< 0.1	6.57	< 0.1	< 1	500	486	< 1	< 0.1	4.35	< 0.1	74	22.6	117	< 0.1	0.3	6.87	1.0	1.52	31.4	27.0	0.653	0.1	25.3
410471	< 0.1	7.37	0.2	< 1	< 100	372	< 1	< 0.1	6.69	< 0.1	70	28.3	63	1.5	0.3	7.69	1.0	1.31	29.3	23.7	1.67	0.1	31.4
410472	< 0.1	6.87	< 0.1	1	< 100	463	1	< 0.1	2.06	< 0.1	26	5.6	80	11.3	0.2	2.46	2.6	1.28	11.9	9.3	3.48	1.8	2.7
410473	< 0.1	7.02	< 0.1	1	< 100	515	1	< 0.1	2.04	< 0.1	25	5.6	88	3.1	0.6	3.01	2.8	1.93	10.8	14.5	3.47	2.2	2.1
410474	< 0.1	6.51	< 0.1	1	< 100	538	1	< 0.1	2.24	< 0.1	25	6.1	99	2.0	0.9	3.62	2.8	1.87	10.8	14.3	3.40	1.8	2.7
410475	< 0.1	6.18	< 0.1	< 1	< 100	684	1	< 0.1	2.24	< 0.1	20	4.7	110	0.8	0.6	2.63	2.6	2.34	9.9	14.6	2.96	3.0	2.3
410476	< 0.1	6.22	< 0.1	2	< 100	491	1	< 0.1	2.39	< 0.1	24	4.9	121	1.0	0.8	3.04	2.5	2.00	10.8	12.9	3.32	4.5	2.8
410477	< 0.1	7.36	< 0.1	< 1	< 100	545	1	< 0.1	2.55	< 0.1	28	5.1	134	0.4	1.0	3.06	2.8	1.83	13.0	11.9	3.25	3.6	2.8
410478	< 0.1	7.74	< 0.1	< 1	< 100	610	1	< 0.1	2.39	< 0.1	30	4.7	83	0.6	0.8	2.88	2.9	2.41	14.3	9.8	3.29	2.3	2.5
410479	< 0.1	7.77	< 0.1	2	< 100	545	1	< 0.1	2.51	< 0.1	31	4.7	104	0.4	0.7	2.92	2.5	2.12	14.8	17.3	3.43	3.3	1.9
410480 MR	0.3	6.39	1.2	4	1300	70	< 1	6.6	3.91	< 0.1	17	19.3	38	4970	138	25.6	1.0	2.66	9.3	110	0.705	11.0	17.9
410481	< 0.1	8.21	< 0.1	3	< 100	75	< 1	< 0.1	8.51	< 0.1	22	36.8	71	47.0	0.1	8.73	0.3	0.22	8.7	14.0	1.64	0.8	31.5
410482	< 0.1	7.67	< 0.1	< 1	< 100	104	< 1	< 0.1	7.33	< 0.1	18	39.3	60	13.6	0.2	8.54	0.7	0.43	7.2	10.5	2.97	0.9	28.6
410483	< 0.1	7.74	< 0.1	3	< 100	263	< 1	< 0.1	6.11	0.2	17	28.2	65	76.6	0.5	7.11	0.4	0.95	6.8	12.4	1.76	0.6	19.0
410484	< 0.1	7.43	< 0.1	< 1	< 100	146	< 1	< 0.1	5.73	< 0.1	25	37.1	89	93.1	0.3	9.25	0.7	0.55	10.6	18.2	1.93	0.8	26.7
410485	< 0.1	6.90	< 0.1	6	< 100	240	< 1	< 0.1	6.26	< 0.1	21	29.6	73	42.8	2.1	7.70	0.6	1.27	8.9	16.9	1.56	5.1	20.4
410486	< 0.1	7.92	0.1	30	< 100	348	< 1	< 0.1	7.75	0.1	26	33.7	60	118	2.1	6.80	0.7	1.91	11.9	17.3	1.23	0.5	25.5
410487	< 0.1	9.42	< 0.1	15	< 100	46	< 1	0.4	11.1	0.1	40	48.0	34	122	0.3	9.32	0.4	0.22	17.5	12.1	1.13	1.1	18.7
410488	< 0.1	9.01	< 0.1	15	< 100	108	< 1	0.4	9.53	0.1	35	39.9	39	118	0.3	9.32	0.5	0.30	15.2	12.2	1.31	1.5	18.3
410489	< 0.1	7.75	< 0.1	15	< 100	154	< 1	< 0.1	6.43	< 0.1	15	39.4	120	200	1.0	8.13	1.0	1.39	6.5	46.7	0.352	0.7	83.2
410490 BLC	< 0.1	6.04	< 0.1	< 1	< 100	357	< 1	< 0.1	1.83	< 0.1	16	5.7	151	7.7	0.8	1.56	1.2	1.30	7.5	8.6	3.00	0.5	28.7
410491	< 0.1	5.99	< 0.1	150	< 100	216	< 1	< 0.1	7.80	< 0.1	25	39.4	411	51.5	0.7	5.83	1.7	1.46	11.7	31.5	0.157	3.8	275
410492	< 0.1	6.44	< 0.1	638	< 100	357	< 1	0.1	9.55	< 0.1	17	77.9	868	27.6	0.8	6.88	2.3	2.10	8.3	15.9	0.132	4.6	441
410493	< 0.1	8.04	< 0.1	92	< 100	703	< 1	< 0.1	7.61	< 0.1	35	21.7	107	15.1	1.3	4.68	2.2	3.54	16.2	16.8	0.134	0.9	111
410494	< 0.1	8.11	< 0.1	8	< 100	153	< 1	0.2	3.84	< 0.1	23	41.6	85	207	0.6	9.45	2.5	0.69	9.9	25.3	2.03	4.5	57.5
410495	< 0.1	7.45	< 0.1	2	< 100	70	< 1	0.1	3.33	< 0.1	10	37.4	104	95.1	0.3	9.05	1.6	0.22	3.6	16.2	3.08	3.5	37.1
410496	< 0.1	8.42	< 0.1	< 1	< 100	97	< 1	< 0.1	3.39	< 0.1	13	40.1	84	107	0.2	9.09	1.1	0.33	5.2	15.2	3.84	0.6	41.8
410497	< 0.1	8.21	< 0.1	2	< 100	224	< 1	< 0.1	3.81	< 0.1	29	23.1	80	54.2	0.4	5.74	1.8	0.72	13.1	13.3	3.87	0.1	28.5
410498	< 0.1	8.00	0.2	12	< 100	150	< 1	< 0.1	5.07	< 0.1	20	48.4	32	980	0.3	9.06	0.8	0.46	9.3	24.2	2.66	< 0.1	25.6
410499	< 0.1	8.38	0.1	7	200	174	< 1	0.1	4.44	< 0.1	21	48.2	40	351	0.5	10.9	0.6	0.64	8.8	28.3	2.12	0.1	25.5
410500	< 0.1	7.65	< 0.1	7	100	170	< 1	0.1	4.57	< 0.1	22	44.1	42	319	0.5	10.0	0.7	0.62	9.2	25.6	2.14	0.3	25.0
410501	< 0.1	6.84	< 0.1	10	< 100	141	< 1	< 0.1	5.56	< 0.1	17	46.1	53	226	0.4	9.75	0.8	0.38	6.6	24.0	2.16	1.8	28.3
410502	< 0.1	6.91	< 0.1	51	< 100	211	< 1	< 0.1	5.93	< 0.1	20	26.3	30	20.8	0.6	9.15	1.2	0.92	7.8	29.1	1.72	0.7	15.9
410503	< 0.1	6.22	< 0.1	3	< 100	191	< 1	< 0.1	5.83	< 0.1	17	24.8	39	64.0	0.2	8.82	1.2	0.85	6.3	12.1	2.80	1.1	13.5
410504	< 0.1	8.69	< 0.1	< 1	< 100	367	< 1	< 0.1	3.97	< 0.1	9	25.6	31	11.5	0.5	7.26	0.9	1.67	3.3	13.1	3.21	0.5	12.8
410505	< 0.1	7.20	< 0.1	7	< 100	346	< 1	0.1	4.70	< 0.1	12	50.0	33	201	0.4	9.65	1.5	1.52	4.2	13.9	2.67	2.1	16.1
410506	< 0.1	7.52	< 0.1	1	< 100	137	< 1	< 0.1	6.39	< 0.1	24	29.0	63	92.5	0.1	9.11	1.0	0.52	9.5	10.2	2.72	0.1	17.2
410507	< 0.1	8.48	0.7	< 1	600	275	< 1	0.2	6.29	< 0.1	40	46.0	33	1250	0.3	9.20	0.9	1.12	22.5	11.3	3.27	0.1	30.2
410508	< 0.1	8.21	2.5	< 1	400	362	< 1	0.5	4.92	0.5	29	59.1	39	7070	0.4	11.8	3.0	1.44	14.5	14.0	2.17	0.6	22.0

Analyte Symbol	Te	Al	Ag	As	Au	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Cs	Fe	Hf	K	La	Li	Na	Nb	Ni
Unit Symbol	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm
Lower Limit	0.1	0.01	0.1	1	100	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.1	0.01	0.1	0.01	0.1	0.1	0.001	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
410509	< 0.1	6.90	1.3	< 1	900	152	< 1	0.6	6.54	0.2	33	88.4	29	4290	0.4	13.5	2.7	0.72	18.4	6.9	2.72	0.4	29.2
410510 MR	0.6	4.16	43.0	100	1000	38	< 1	21.4	1.55	133	25	279	21	> 10000	1.2	17.0	3.0	0.91	9.9	10.1	0.466	5.5	19.8
410511	< 0.1	6.67	0.4	4	100	159	< 1	0.3	4.67	0.2	30	34.4	36	1310	0.2	6.74	2.2	0.66	14.8	5.8	4.32	1.3	13.4
410512	< 0.1	6.01	< 0.1	< 1	< 100	235	< 1	0.4	3.91	< 0.1	18	69.1	52	702	0.3	9.28	2.4	0.97	6.2	6.4	3.77	3.0	38.4
410513	< 0.1	7.77	< 0.1	4	< 100	462	< 1	< 0.1	3.10	< 0.1	32	30.5	114	61.4	0.6	6.78	2.7	1.53	16.7	13.4	2.55	6.2	34.9
410514	< 0.1	5.61	< 0.1	1	< 100	236	< 1	0.2	5.59	< 0.1	29	38.5	73	234	0.2	10.8	2.5	0.86	14.4	9.2	2.01	7.9	20.7
410515	< 0.1	8.17	< 0.1	< 1	< 100	267	< 1	0.2	5.98	< 0.1	34	31.3	58	135	0.3	9.21	1.0	1.23	15.1	11.5	2.52	0.1	13.6
410516	< 0.1	8.95	< 0.1	3	< 100	448	< 1	0.3	4.18	< 0.1	29	50.8	50	571	0.5	9.93	1.1	1.93	12.2	14.5	2.75	0.2	15.4
410517	0.1	7.70	0.1	< 1	400	465	< 1	0.3	3.09	< 0.1	26	90.8	61	428	0.6	8.57	1.8	1.87	12.7	11.6	3.05	4.1	25.8
410518	< 0.1	7.50	< 0.1	< 1	< 100	356	< 1	0.2	3.42	< 0.1	34	30.5	95	612	0.4	7.56	2.7	1.35	19.2	8.8	3.12	1.6	26.3
410519	< 0.1	7.82	< 0.1	2	100	326	< 1	0.2	2.55	< 0.1	29	32.4	83	192	0.4	6.48	2.8	1.14	16.9	13.9	3.35	4.0	24.5
410520 BLC	< 0.1	6.40	< 0.1	< 1	< 100	380	< 1	< 0.1	1.79	< 0.1	17	5.5	92	7.3	0.7	1.49	1.1	1.27	8.5	8.3	3.15	0.4	22.3
410521	< 0.1	7.52	< 0.1	< 1	< 100	362	< 1	0.2	5.17	< 0.1	33	36.0	48	209	0.4	9.55	2.3	1.38	18.1	14.9	2.90	1.9	15.9
410522	< 0.1	7.36	< 0.1	1	< 100	373	< 1	0.2	5.33	0.1	22	40.0	91	96.7	0.4	8.93	1.5	1.49	11.2	21.9	2.55	3.9	44.3
410523	< 0.1	7.95	< 0.1	1	< 100	400	< 1	0.2	5.92	< 0.1	12	48.6	117	29.6	0.4	10.8	1.2	1.79	6.0	23.7	2.00	2.9	59.5
410524	< 0.1	7.08	< 0.1	2	< 100	450	< 1	0.3	4.12	< 0.1	22	72.3	53	152	0.4	10.2	2.0	1.62	9.3	17.4	3.02	4.6	19.2
410525	1.8	5.34	2.4	10	300	201	< 1	0.8	3.58	0.2	27	312	45	8680	3.5	17.8	2.6	1.33	14.5	15.1	1.50	8.9	79.5
410526	< 0.1	5.60	< 0.1	< 1	< 100	243	< 1	< 0.1	6.26	< 0.1	39	63.0	433	139	8.1	12.1	2.5	2.22	19.0	15.2	0.824	0.1	115
410527	< 0.1	6.96	< 0.1	2	< 100	269	< 1	< 0.1	6.00	< 0.1	43	59.3	32	202	2.7	13.9	2.3	1.23	21.3	17.2	0.987	0.1	12.9
410528	< 0.1	7.63	0.2	23	< 100	348	< 1	0.4	5.86	0.2	51	55.3	37	823	0.4	9.97	1.2	1.04	24.0	10.3	2.62	0.1	12.0
410529	< 0.1	7.58	0.2	143	300	378	< 1	0.7	5.95	< 0.1	48	184	30	627	0.3	9.87	1.4	1.19	21.7	10.7	2.25	0.1	12.3
410530	< 0.1	7.90	< 0.1	207	200	404	< 1	0.8	5.63	0.1	52	248	39	567	0.3	10.1	1.8	1.32	24.0	11.1	2.37	0.3	13.5
410531	< 0.1	6.39	< 0.1	6	< 100	162	1	0.2	14.2	4.3	40	31.2	30	275	0.2	7.52	1.7	0.96	17.6	9.1	1.19	0.6	10.0
410532	< 0.1	5.60	0.3	11	< 100	236	< 1	0.1	7.80	0.3	44	68.4	34	1110	0.4	11.9	2.2	0.91	19.6	12.4	1.83	2.7	15.8
410533	< 0.1	6.44	< 0.1	< 1	< 100	206	< 1	0.1	6.91	< 0.1	47	34.2	40	178	0.2	9.65	2.8	0.58	19.9	11.7	2.49	0.8	12.5
410534	< 0.1	6.69	0.2	< 1	< 100	284	< 1	0.1	6.58	0.1	54	35.2	121	1320	0.3	9.10	2.9	0.69	23.9	9.5	2.75	0.4	24.2
410535	< 0.1	6.37	< 0.1	< 1	< 100	398	1	< 0.1	6.34	< 0.1	48	33.1	45	104	0.4	9.16	1.8	0.98	19.9	10.7	2.23	0.8	16.3
410536	< 0.1	6.42	0.3	1	< 100	326	< 1	0.2	5.68	0.1	48	42.8	52	454	0.3	12.1	4.1	0.81	18.3	12.3	2.00	13.8	13.0
410537	< 0.1	7.48	< 0.1	< 1	< 100	225	< 1	0.1	7.43	< 0.1	36	32.7	53	222	0.8	8.39	1.0	1.14	17.5	16.1	2.12	0.2	20.8
410538	< 0.1	7.94	1.2	< 1	300	154	< 1	0.2	7.51	0.4	32	60.1	48	2990	0.3	7.40	0.8	0.74	13.5	7.5	2.55	1.0	42.5
410539	< 0.1	8.72	< 0.1	< 1	< 100	329	< 1	0.1	6.50	0.2	31	37.8	44	146	0.4	9.04	1.0	1.15	13.9	13.6	2.44	0.2	19.1
410540	< 0.1	9.16	< 0.1	< 1	100	364	< 1	< 0.1	6.37	0.1	30	40.1	83	133	0.4	9.53	1.2	1.16	13.6	14.5	2.39	0.4	20.2
410541	< 0.1	8.88	< 0.1	12	< 100	219	< 1	< 0.1	7.31	< 0.1	34	27.5	43	189	0.3	7.69	1.1	0.89	14.8	7.8	2.76	0.5	12.6
410542	< 0.1	8.12	< 0.1	1	< 100	162	< 1	< 0.1	6.54	0.1	30	27.4	39	72.6	0.4	7.73	1.4	0.67	12.8	13.2	2.99	0.5	11.8
410543	< 0.1	5.18	0.3	197	< 100	145	< 1	0.2	11.0	0.6	85	41.9	387	161	0.8	7.44	1.6	1.11	33.5	26.0	0.535	1.7	208
410544	< 0.1	6.05	0.9	52	< 100	88	< 1	< 0.1	5.71	0.3	48	42.4	41	546	0.6	8.41	2.4	0.47	20.8	17.5	2.54	4.0	13.3
410545	< 0.1	8.08	< 0.1	< 1	400	247	< 1	< 0.1	6.05	< 0.1	34	30.1	57	378	0.4	7.74	0.9	1.32	14.6	9.7	2.57	0.1	18.1
410546	< 0.1	8.14	< 0.1	< 1	< 100	295	< 1	0.1	5.63	< 0.1	33	42.4	55	702	0.5	8.71	1.1	1.69	15.3	12.4	2.13	0.4	20.0
410547	< 0.1	8.95	0.4	3	200	281	< 1	0.2	5.39	0.1	26	36.7	27	2380	0.6	8.27	0.6	1.45	13.9	14.7	2.53	0.2	14.2
410548	< 0.1	7.13	1.3	6	1400	234	< 1	0.3	6.48	0.5	61	68.8	42	4640	1.2	9.67	3.3	0.90	30.9	10.4	2.24	1.1	14.1
410549	< 0.1	7.05	0.7	34	500	178	< 1	0.3	7.22	0.4	61	98.3	35	3080	0.2	9.80	2.7	0.60	33.0	8.1	2.04	0.7	12.7
410550 MR	0.1	4.77	0.5	245	400	78	< 1	5.9	4.29	< 0.1	96	391	38	5950	0.7	21.2	3.4	3.12	81.8	16.0	0.978	1.7	79.8

Analyte Symbol	Te	Al	Ag	As	Au	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Cs	Fe	Hf	K	La	Li	Na	Nb	Ni
Unit Symbol	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm
Lower Limit	0.1	0.01	0.1	1	100	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.1	0.01	0.1	0.01	0.1	0.1	0.001	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
410551	< 0.1	7.98	0.1	4	< 100	445	< 1	0.2	5.53	0.2	37	80.7	202	599	0.5	8.24	3.5	0.99	18.8	16.2	2.80	7.9	94.4
410552	< 0.1	8.89	< 0.1	< 1	< 100	154	< 1	< 0.1	7.39	< 0.1	14	46.5	173	127	0.4	8.22	1.1	0.69	5.7	14.9	1.85	3.1	111
410553	< 0.1	6.41	0.4	110	< 100	288	< 1	0.1	6.75	0.2	9	61.7	242	947	0.9	7.76	0.8	1.61	3.8	31.2	0.994	2.3	206
410554	< 0.1	6.92	< 0.1	2	< 100	328	< 1	< 0.1	5.89	< 0.1	30	33.0	63	75.5	0.4	8.43	1.9	1.14	12.3	12.5	2.21	14.1	13.7
410555	< 0.1	9.17	< 0.1	< 1	< 100	210	< 1	< 0.1	6.88	< 0.1	41	31.1	61	112	0.3	8.44	1.1	0.77	17.3	11.2	2.05	0.2	11.7
410556	< 0.1	8.32	< 0.1	< 1	< 100	274	< 1	< 0.1	8.36	0.1	73	32.0	160	114	0.3	7.62	1.3	0.86	30.6	11.6	2.62	0.1	68.6
410557	< 0.1	8.76	< 0.1	< 1	< 100	115	< 1	< 0.1	8.81	< 0.1	36	27.0	44	176	0.1	7.20	0.9	0.41	16.6	14.3	2.89	0.2	13.4
410558	< 0.1	7.58	< 0.1	< 1	< 100	558	1	< 0.1	2.34	< 0.1	32	5.0	92	1.4	0.7	2.77	2.9	1.97	14.6	10.3	3.04	2.6	2.5
410559	< 0.1	6.90	< 0.1	< 1	< 100	566	1	< 0.1	2.38	< 0.1	28	4.7	93	0.4	0.7	2.81	2.9	1.87	13.0	12.5	2.99	2.5	1.8
410560 BLC	< 0.1	5.57	< 0.1	< 1	< 100	425	1	< 0.1	2.20	< 0.1	14	7.2	196	13.1	0.9	1.93	1.4	1.59	6.5	9.8	3.74	0.6	29.6
410561	< 0.1	6.69	< 0.1	< 1	< 100	464	1	< 0.1	2.69	< 0.1	28	5.0	126	0.8	0.6	3.03	2.9	1.47	12.3	10.8	3.17	6.0	2.0
410562	< 0.1	6.02	< 0.1	2	< 100	500	1	< 0.1	2.21	< 0.1	24	4.6	115	6.6	0.7	2.80	2.4	1.72	10.9	9.5	2.97	2.6	2.5
410563	< 0.1	6.72	< 0.1	54	< 100	332	< 1	< 0.1	3.23	< 0.1	27	4.8	113	0.6	0.4	2.84	2.6	1.13	12.1	10.4	3.08	6.5	2.0
410564	< 0.1	5.15	< 0.1	5	< 100	373	1	< 0.1	3.71	< 0.1	20	4.7	186	1.1	0.7	2.26	2.7	1.71	7.2	9.8	1.99	7.8	3.1
410565	< 0.1	6.97	< 0.1	10	< 100	287	1	< 0.1	2.97	< 0.1	36	4.6	123	1.8	0.3	2.54	2.9	1.34	17.5	8.1	2.54	6.3	1.9
410566	< 0.1	7.03	< 0.1	< 1	< 100	462	1	< 0.1	2.43	< 0.1	29	3.9	108	0.2	0.4	2.45	1.4	1.94	13.4	6.0	1.58	3.2	1.9
410567	< 0.1	6.77	< 0.1	4	< 100	558	1	0.2	2.89	< 0.1	29	3.6	112	0.1	0.5	2.27	2.8	1.63	13.8	6.7	1.16	5.4	2.5
410568	< 0.1	6.90	< 0.1	5	100	746	1	0.2	4.90	< 0.1	35	5.1	75	8.6	0.7	2.54	3.0	2.16	16.9	10.6	0.617	5.4	1.1
410569	< 0.1	7.41	< 0.1	< 1	< 100	446	1	< 0.1	2.75	< 0.1	27	4.3	98	1.0	0.4	2.80	2.7	1.21	12.1	7.0	3.20	4.3	2.7
410570 MR	4.8	5.39	8.8	11	> 2000	767	< 1	0.1	4.86	0.3	23	11.6	22	90.6	4.2	3.42	1.9	1.87	10.8	44.8	1.56	2.2	11.3
410571	< 0.1	6.13	< 0.1	< 1	< 100	426	1	< 0.1	2.26	< 0.1	22	4.7	98	10.2	1.8	2.81	2.7	1.28	9.4	6.5	3.27	6.3	2.4
410572	< 0.1	6.29	< 0.1	< 1	< 100	361	1	< 0.1	2.41	< 0.1	23	4.6	115	0.2	0.3	2.77	2.4	0.91	10.5	6.5	3.84	7.6	2.1
410573	< 0.1	6.70	< 0.1	2	< 100	368	1	< 0.1	2.56	< 0.1	23	4.2	143	0.9	0.3	2.68	2.7	1.10	10.4	6.2	3.28	5.7	3.2
410574	< 0.1	6.85	< 0.1	2	< 100	532	1	< 0.1	4.66	< 0.1	33	4.3	97	1.9	0.4	2.71	2.6	1.95	15.8	6.6	1.66	7.2	2.4
410575	< 0.1	5.89	< 0.1	2	< 100	384	1	< 0.1	3.38	< 0.1	30	4.8	130	0.5	0.4	2.63	2.8	1.58	13.1	5.9	2.47	6.4	2.2
410576	< 0.1	7.37	< 0.1	2	< 100	402	1	< 0.1	2.50	< 0.1	32	4.2	110	0.7	0.4	2.49	3.0	1.53	15.4	5.7	2.65	5.4	1.9
410577	< 0.1	7.42	< 0.1	2	< 100	425	1	< 0.1	2.93	< 0.1	29	4.7	148	1.5	0.4	2.93	2.9	1.53	13.1	6.4	2.58	3.9	3.8
410578	< 0.1	6.68	< 0.1	2	< 100	426	< 1	< 0.1	3.79	< 0.1	31	5.3	123	1.5	0.3	3.23	2.5	1.36	14.6	6.9	2.38	6.3	1.7
410579	< 0.1	7.35	< 0.1	3	< 100	481	< 1	< 0.1	2.95	< 0.1	34	4.2	94	0.2	0.4	2.81	2.8	1.46	15.8	7.2	2.62	6.9	2.0
410580	< 0.1	7.31	< 0.1	1	< 100	529	< 1	< 0.1	3.15	< 0.1	35	4.0	104	0.2	0.4	2.78	2.8	1.64	16.7	7.1	2.57	7.0	1.8
410581	< 0.1	6.95	< 0.1	5	200	460	1	< 0.1	2.60	< 0.1	32	4.7	128	1.4	0.4	2.68	2.9	1.60	15.3	4.9	2.79	7.0	3.0
410582	< 0.1	7.30	< 0.1	3	< 100	427	1	< 0.1	2.89	< 0.1	29	4.6	134	0.3	0.4	2.98	3.0	1.56	13.2	5.8	3.19	8.1	2.0
410583	< 0.1	6.82	< 0.1	4	< 100	434	1	< 0.1	2.49	< 0.1	29	4.0	98	0.8	0.4	2.54	2.7	1.46	13.9	5.9	2.75	6.9	2.5
410584	< 0.1	5.71	< 0.1	2	< 100	379	1	< 0.1	2.66	< 0.1	21	4.6	133	0.1	0.4	2.97	2.8	0.83	9.5	7.3	3.25	4.2	1.9
410585	< 0.1	4.08	< 0.1	< 1	< 100	221	< 1	< 0.1	1.34	< 0.1	17	2.5	70	0.8	0.2	1.66	0.2	0.64	7.6	4.0	1.76	2.0	1.0
410586	< 0.1	6.53	< 0.1	< 1	< 100	503	< 1	< 0.1	2.74	< 0.1	29	3.9	101	0.2	0.4	2.55	2.7	1.57	13.8	6.5	2.45	4.3	1.8
410587	< 0.1	6.12	< 0.1	1	< 100	446	1	< 0.1	2.82	< 0.1	29	4.4	94	0.9	0.4	2.61	2.6	1.48	13.3	6.3	2.09	3.0	1.8
410588	< 0.1	6.50	< 0.1	5	400	507	1	< 0.1	4.23	< 0.1	33	3.3	84	1.8	0.6	2.38	3.0	2.28	15.3	7.7	1.17	5.8	1.0
410589	< 0.1	6.36	< 0.1	2	< 100	313	1	< 0.1	2.08	< 0.1	28	3.8	91	7.9	0.3	2.50	2.6	1.39	13.1	5.8	2.76	4.5	2.2
410590 BLC	< 0.1	5.79	< 0.1	< 1	< 100	361	< 1	< 0.1	1.68	< 0.1	16	5.1	117	6.2	0.7	1.43	0.9	1.24	7.4	8.0	2.99	0.3	20.9
410591	< 0.1	5.48	< 0.1	24	< 100	281	1	< 0.1	2.28	< 0.1	20	4.2	108	2.3	0.3	2.44	2.2	1.42	8.8	5.9	2.84	3.1	2.0
410592	< 0.1	6.52	< 0.1	7	< 100	335	1	< 0.1	2.40	< 0.1	26	4.1	89	2.0	0.3	2.56	2.5	1.30	11.7	6.3	3.00	2.9	2.5

Analyte Symbol	Te	Al	Ag	As	Au	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Cs	Fe	Hf	K	La	Li	Na	Nb	Ni
Unit Symbol	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm
Lower Limit	0.1	0.01	0.1	1	100	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.1	0.01	0.1	0.01	0.1	0.1	0.001	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
410593	< 0.1	5.37	< 0.1	7	< 100	310	1	< 0.1	2.45	< 0.1	23	3.5	125	0.1	0.3	2.44	2.8	0.83	8.5	5.3	3.43	7.4	1.9
410594	< 0.1	5.30	0.1	24	< 100	296	< 1	0.8	4.04	0.4	30	30.3	114	187	0.6	12.4	2.1	0.91	14.2	12.1	0.754	5.8	72.0
410595	< 0.1	5.95	0.2	102	< 100	434	< 1	< 0.1	4.63	0.4	16	42.4	191	219	0.9	7.47	1.2	1.91	7.2	2.5	0.186	1.0	91.8
410596	0.1	4.02	0.4	714	600	86	< 1	0.8	11.5	0.2	12	50.6	460	31.4	0.6	7.06	1.3	1.64	5.4	1.8	0.150	2.7	363
410597	< 0.1	3.19	< 0.1	159	< 100	69	< 1	< 0.1	6.73	0.1	6	63.4	663	66.5	0.2	6.17	0.9	0.43	2.3	17.6	0.063	0.4	725
410598	< 0.1	3.60	< 0.1	< 1	< 100	3	< 1	< 0.1	6.07	< 0.1	6	61.5	697	55.4	< 0.1	6.44	0.7	< 0.01	2.0	12.5	< 0.001	0.2	690
410599	< 0.1	3.69	< 0.1	< 1	< 100	3	< 1	< 0.1	6.17	< 0.1	5	61.0	635	111	< 0.1	6.29	0.7	< 0.01	1.9	7.2	< 0.001	0.9	689
410600 MR	0.3	5.77	1.2	4	1200	70	< 1	6.6	3.68	0.1	18	16.7	43	4350	126	21.9	1.3	2.38	9.2	104	0.672	20.9	15.4
410601	< 0.1	3.32	< 0.1	5	< 100	11	< 1	< 0.1	6.45	< 0.1	6	59.4	639	55.1	0.1	6.07	0.8	0.05	2.3	5.5	< 0.001	0.8	661
410602	< 0.1	3.66	< 0.1	< 1	< 100	2	< 1	< 0.1	6.82	< 0.1	5	65.3	781	77.6	< 0.1	6.51	0.9	< 0.01	2.0	7.4	< 0.001	0.8	760
410603	< 0.1	3.25	< 0.1	1	< 100	7	< 1	< 0.1	6.64	< 0.1	6	56.3	1120	84.6	< 0.1	6.05	0.9	< 0.01	2.3	8.7	< 0.001	1.5	652
410604	< 0.1	6.09	< 0.1	7	< 100	61	< 1	< 0.1	5.53	< 0.1	23	55.8	841	74.1	0.2	7.49	1.9	0.26	9.8	26.6	0.730	0.4	484
410605	< 0.1	7.09	< 0.1	< 1	< 100	189	< 1	< 0.1	4.06	< 0.1	34	26.4	90	82.9	0.3	6.11	1.9	0.30	15.4	17.3	3.53	0.3	53.3
410606	< 0.1	6.63	0.1	< 1	< 100	100	< 1	< 0.1	7.92	0.6	9	34.3	168	81.2	0.1	7.25	0.7	0.16	4.0	14.5	2.57	1.2	128
410607	< 0.1	6.54	< 0.1	< 1	< 100	150	< 1	< 0.1	8.45	0.2	5	48.3	328	111	0.1	6.98	0.7	0.29	2.2	13.8	2.45	1.3	257
410608	< 0.1	8.16	< 0.1	< 1	< 100	669	1	< 0.1	3.87	0.1	48	18.9	79	25.9	0.3	4.83	2.4	0.75	23.5	12.6	3.54	0.2	50.1
410609	< 0.1	6.68	< 0.1	3	< 100	287	< 1	< 0.1	7.82	0.2	5	52.7	355	63.0	0.3	6.87	0.6	0.42	2.2	16.9	2.49	1.1	275
410610 BLC	< 0.1	5.69	< 0.1	< 1	< 100	354	< 1	< 0.1	1.74	< 0.1	16	5.3	127	11.6	0.7	1.42	1.0	1.23	7.6	8.1	3.00	0.3	20.3
410611	< 0.1	5.24	< 0.1	< 1	< 100	101	< 1	< 0.1	6.29	< 0.1	18	45.8	525	58.1	0.3	5.42	1.8	0.11	8.4	22.9	1.68	1.2	404
410612	< 0.1	6.80	< 0.1	3	< 100	251	< 1	< 0.1	8.65	0.2	6	53.6	394	109	0.2	6.39	0.8	0.37	2.7	10.7	3.10	1.1	289
410613	< 0.1	6.18	< 0.1	3	< 100	184	< 1	< 0.1	8.66	0.2	5	51.8	573	73.9	< 0.1	6.57	0.7	0.22	2.1	12.1	2.61	1.2	275
410614	< 0.1	6.35	< 0.1	4	< 100	151	< 1	< 0.1	9.27	0.2	12	45.2	526	79.8	0.1	6.05	1.2	0.17	5.5	13.4	2.81	1.5	244
410615	< 0.1	6.87	< 0.1	10	< 100	147	< 1	< 0.1	7.60	0.2	26	46.2	476	57.6	0.2	6.36	1.4	0.18	11.4	19.7	2.64	0.3	215
410616	< 0.1	6.06	< 0.1	8	< 100	112	< 1	< 0.1	6.46	0.2	17	50.5	641	53.5	0.3	6.01	1.2	0.18	7.7	21.2	1.88	0.8	373
410617	< 0.1	5.02	< 0.1	13	< 100	117	< 1	< 0.1	7.59	0.4	13	43.9	426	80.6	0.3	7.11	0.7	0.10	5.5	18.2	0.787	0.4	296
410618	< 0.1	6.78	< 0.1	< 1	< 100	273	< 1	< 0.1	6.31	0.4	30	26.6	47	85.2	< 0.1	8.09	0.4	0.06	13.1	13.2	2.26	0.1	8.4
410619	< 0.1	6.75	< 0.1	< 1	< 100	157	< 1	< 0.1	6.45	0.3	35	25.6	29	104	0.2	8.42	0.6	0.15	15.0	9.1	2.58	0.1	8.9
410620	< 0.1	6.78	< 0.1	< 1	< 100	157	< 1	< 0.1	7.01	0.4	33	24.3	29	94.2	0.2	8.19	0.5	0.16	14.5	8.3	2.44	0.1	7.9
410621	< 0.1	4.96	< 0.1	17	< 100	273	< 1	< 0.1	5.27	0.4	24	24.9	159	104	0.9	7.08	0.8	1.37	10.5	3.4	1.38	0.1	70.0
410622	< 0.1	5.34	< 0.1	137	< 100	364	< 1	< 0.1	4.55	0.3	19	37.4	311	92.8	1.3	5.40	0.9	2.20	8.7	2.9	0.301	0.1	180
410623	< 0.1	5.81	< 0.1	95	< 100	356	< 1	0.2	3.77	0.1	16	34.7	245	139	1.0	6.57	1.3	1.77	7.0	3.8	0.324	0.8	106
410624	< 0.1	6.97	< 0.1	11	< 100	418	< 1	0.2	4.85	0.2	17	20.7	53	40.5	1.1	5.99	1.8	2.71	7.3	3.3	0.448	2.2	10.9
410625	< 0.1	7.14	< 0.1	5	< 100	245	< 1	0.1	3.74	0.3	13	30.4	96	89.0	1.8	7.18	0.4	1.34	5.7	7.1	1.28	< 0.1	18.6

Analyte Symbol	P	Rb	Pb	S	Mg	Mn	Mo	Sb	Sc	Sn	Sr	Ta	Th	Ti	Tl	U	V	W	Y	Zn	Zr
Unit Symbol	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.1	0.1	1	0.01	1	0.1	0.1	1	0.1	1	0.1	0.1	0.001	0.05	0.1	4	0.1	0.1	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
410425	0.023	3.6	0.7	< 1	9.52	1220	1.0	< 0.1	24	0.2	209	< 0.1	0.2	0.335	< 0.05	0.1	192	0.2	5.5	70	25.1
410426	0.032	20.2	0.5	< 1	7.56	1210	1.4	0.2	25	0.9	227	< 0.1	0.5	0.333	0.10	0.3	195	0.7	8.3	72	31.5
410427	0.026	36.6	0.8	< 1	7.03	1200	0.9	0.1	23	1.5	240	< 0.1	0.2	0.216	0.19	0.3	165	0.4	6.9	72	25.0
410428	0.017	10.4	0.5	< 1	8.08	1180	1.4	0.1	24	1.2	241	< 0.1	0.1	0.173	0.06	0.2	165	0.3	6.4	85	22.6
410429	0.021	7.2	< 0.1	< 1	8.19	1100	0.5	0.4	27	1.9	237	< 0.1	0.1	0.355	< 0.05	0.2	177	0.6	6.3	80	22.9
410430 MR	0.077	83.6	7.4	2	1.09	3300	92.6	3.6	13	5.5	66	< 0.1	3.5	0.375	0.27	31.5	226	14.9	17.4	25	127
410431	0.014	0.7	1.1	< 1	8.24	1040	2.3	0.1	23	0.9	247	< 0.1	0.2	0.283	< 0.05	0.1	154	0.2	7.1	66	18.5
410432	0.003	6.5	1.3	< 1	7.95	1330	2.8	0.2	19	0.5	376	< 0.1	0.1	0.245	< 0.05	0.1	133	1.0	6.2	53	17.4
410433	0.019	0.8	0.4	< 1	9.16	1170	0.8	< 0.1	25	0.2	252	< 0.1	0.1	0.304	< 0.05	0.1	166	< 0.1	6.0	64	23.9
410434	0.018	0.9	0.4	< 1	9.36	1180	0.9	< 0.1	23	0.3	310	< 0.1	0.1	0.280	< 0.05	0.1	158	0.3	5.7	58	20.9
410435	0.014	0.7	1.2	< 1	8.38	1050	0.9	< 0.1	24	0.8	278	< 0.1	0.1	0.181	< 0.05	0.1	152	0.5	5.6	56	21.8
410436	0.016	1.6	0.6	< 1	8.62	1110	1.7	0.2	24	0.8	260	< 0.1	0.1	0.170	< 0.05	0.2	153	0.3	5.0	64	21.6
410437	0.013	2.5	0.1	< 1	8.49	1060	0.7	< 0.1	22	0.3	256	< 0.1	0.1	0.235	< 0.05	7.9	148	0.2	5.5	56	22.6
410438	0.017	2.5	< 0.1	< 1	8.63	980	1.1	< 0.1	24	0.2	190	< 0.1	0.2	0.290	< 0.05	0.1	164	0.1	5.6	56	24.4
410439	0.009	9.5	0.1	< 1	8.65	1010	0.8	0.8	28	0.2	149	< 0.1	0.1	0.268	< 0.05	0.1	159	1.1	6.3	49	15.2
410440 BLC	0.018	47.0	6.3	< 1	0.54	281	7.1	< 0.1	5	0.3	356	< 0.1	1.2	0.153	0.24	0.3	37	0.1	5.5	21	44.9
410441	0.022	18.1	1.0	< 1	6.83	1170	3.6	1.1	19	0.4	226	< 0.1	0.2	0.146	0.10	0.1	122	1.0	7.1	46	16.4
410442	0.027	21.3	0.8	< 1	6.80	887	3.6	0.7	24	0.7	160	< 0.1	1.5	0.282	0.11	0.5	164	1.4	7.2	44	51.3
410443	0.041	33.6	1.9	< 1	5.53	1040	4.7	1.9	20	0.6	152	< 0.1	1.0	0.234	0.20	0.5	166	3.3	7.0	33	44.6
410444	< 0.001	3.6	1.2	< 1	1.80	444	12.9	1.0	2	0.2	87	< 0.1	< 0.1	0.016	< 0.05	< 0.1	16	< 0.1	2.4	5	2.0
410445	0.013	34.3	0.9	< 1	6.29	1230	3.6	1.8	20	0.2	232	< 0.1	0.3	0.182	0.20	10.0	129	0.1	7.4	35	19.0
410446	0.028	28.1	6.9	< 1	0.29	842	9.4	0.3	5	1.3	144	0.6	1.1	0.201	0.18	0.7	18	0.3	12.9	53	115
410447	0.074	43.8	6.2	< 1	1.30	1290	2.8	< 0.1	10	0.6	172	< 0.1	2.2	0.401	0.16	1.1	53	0.1	18.5	105	86.7
410448	0.031	41.1	5.5	< 1	0.59	732	6.1	< 0.1	6	0.8	181	< 0.1	2.7	0.190	0.17	1.1	18	0.1	17.4	60	94.5
410449	0.032	42.5	5.4	< 1	0.38	743	6.6	0.2	6	1.3	176	< 0.1	3.0	0.191	0.18	1.5	21	0.1	19.1	49	104
410450 MR	0.069	91.8	20.9	< 1	1.04	747	6.2	2.1	13	0.7	283	0.1	2.8	0.303	0.96	0.8	114	3.4	9.6	93	73.0
410451	0.029	33.1	9.9	< 1	0.36	803	8.0	0.2	5	1.1	184	< 0.1	2.6	0.197	0.14	1.3	20	< 0.1	16.6	58	93.6
410452	0.034	72.1	1.7	< 1	0.36	927	6.1	0.5	6	1.5	86	0.4	3.8	0.199	0.21	2.6	20	1.2	14.5	38	103
410453	0.038	47.3	2.6	< 1	0.45	834	8.2	0.4	7	1.5	130	0.5	4.5	0.200	0.14	2.8	21	0.3	18.2	46	88.3
410454	0.035	52.7	3.3	< 1	0.36	860	7.8	0.6	6	1.7	123	0.6	2.8	0.197	0.18	1.7	20	0.7	12.0	42	98.1
410455	0.021	54.4	1.5	< 1	0.27	828	10.0	0.5	4	1.9	53	0.3	2.2	0.119	0.17	1.3	23	2.1	12.9	46	57.8
410456	0.035	49.8	2.4	< 1	0.43	848	6.9	0.3	6	1.4	121	0.1	3.7	0.186	0.14	1.9	19	0.3	14.0	41	92.0
410457	0.037	33.8	5.1	< 1	0.47	791	10.4	0.3	5	1.7	152	0.6	2.5	0.224	0.09	1.3	17	0.5	15.2	50	101
410458	0.037	44.3	6.0	< 1	0.40	811	7.2	0.1	7	1.4	196	0.1	3.0	0.213	0.18	1.4	20	0.1	21.8	55	101
410459	0.036	47.2	5.9	< 1	0.44	861	8.1	< 0.1	8	1.0	222	< 0.1	3.1	0.216	0.18	1.7	23	< 0.1	23.6	53	95.3
410460 BLC	0.020	51.1	6.3	< 1	0.60	294	8.1	< 0.1	6	0.4	370	< 0.1	1.3	0.163	0.24	0.4	40	0.1	6.1	22	55.0
410461	0.044	55.1	11.3	< 1	0.57	1200	4.2	0.1	9	1.4	220	< 0.1	2.5	0.218	0.24	1.4	21	0.1	23.2	77	72.6
410462	0.036	49.7	6.3	< 1	0.39	844	6.6	0.1	6	1.4	210	< 0.1	3.6	0.206	0.17	1.5	20	0.1	21.7	49	110
410463	0.032	38.7	6.4	< 1	0.35	816	7.9	0.1	6	1.0	213	< 0.1	2.9	0.185	0.13	1.5	17	0.1	19.1	47	92.2
410464	0.036	46.4	3.3	< 1	0.40	687	6.0	0.1	6	1.2	196	0.1	3.0	0.198	0.14	1.8	21	0.2	17.5	43	94.4
410465	0.046	69.3	2.7	< 1	0.52	572	7.0	0.2	8	1.6	153	0.5	3.3	0.243	0.22	1.5	23	0.7	18.6	37	106
410466	0.044	44.3	2.4	< 1	0.53	783	5.4	0.1	8	1.5	155	0.4	2.9	0.237	0.12	1.2	24	0.5	22.7	54	96.6

Analyte Symbol	P	Rb	Pb	S	Mg	Mn	Mo	Sb	Sc	Sn	Sr	Ta	Th	Ti	Tl	U	V	W	Y	Zn	Zr
Unit Symbol	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.1	0.1	1	0.01	1	0.1	0.1	1	0.1	1	0.1	0.1	0.001	0.05	0.1	4	0.1	0.1	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
410467	0.031	35.2	2.2	< 1	0.39	677	7.4	< 0.1	5	1.0	122	< 0.1	2.4	0.184	0.11	0.6	16	0.3	14.4	37	92.3
410468	0.038	19.8	4.9	< 1	0.66	573	5.9	0.1	5	1.2	135	0.3	1.6	0.220	0.09	0.8	39	0.5	13.6	44	116
410469	0.210	30.5	1.4	< 1	2.31	1430	0.6	< 0.1	22	0.2	140	< 0.1	2.0	0.375	0.08	1.3	93	< 0.1	27.1	137	94.4
410470	0.220	34.3	1.8	< 1	2.34	1490	< 0.1	< 0.1	23	< 0.1	140	< 0.1	2.2	0.170	0.09	1.5	72	< 0.1	30.4	137	64.1
410471	0.209	30.7	2.6	< 1	2.91	1920	0.1	< 0.1	22	0.3	262	< 0.1	2.0	0.204	0.10	1.0	83	< 0.1	24.5	162	46.0
410472	0.033	27.6	4.1	< 1	0.44	574	6.1	0.1	6	1.2	204	< 0.1	2.5	0.196	0.09	0.9	29	0.3	14.9	35	94.0
410473	0.039	44.8	3.9	< 1	0.63	760	6.3	< 0.1	7	1.3	208	< 0.1	2.8	0.203	0.16	1.0	19	0.2	18.9	45	99.6
410474	0.043	46.8	4.4	< 1	0.53	900	3.8	< 0.1	8	0.9	203	< 0.1	2.3	0.210	0.19	1.1	22	0.1	21.3	57	99.3
410475	0.032	51.2	2.5	< 1	0.36	722	7.6	< 0.1	6	1.5	110	< 0.1	1.7	0.193	0.18	0.9	25	0.2	14.5	49	90.4
410476	0.031	45.7	5.8	< 1	0.36	805	7.6	0.1	6	1.3	159	0.1	2.3	0.196	0.19	1.0	21	0.1	17.2	54	87.4
410477	0.034	48.3	4.6	< 1	0.40	837	10.1	< 0.1	6	1.2	209	< 0.1	3.1	0.197	0.20	1.7	18	< 0.1	20.4	52	99.4
410478	0.034	55.3	6.4	< 1	0.38	801	5.3	0.1	6	0.8	223	0.1	3.1	0.197	0.20	1.8	19	< 0.1	21.1	51	105
410479	0.033	51.5	6.7	< 1	0.37	790	8.1	0.1	6	1.1	257	< 0.1	3.2	0.195	0.19	1.8	19	0.1	20.8	52	85.5
410480 MR	0.515	951	7.1	< 1	0.75	3580	240	0.4	5	104	122	< 0.1	5.0	0.127	5.64	8.0	59	> 200	8.1	363	47.2
410481	0.059	4.3	3.8	< 1	2.54	1550	0.3	0.1	31	< 0.1	398	< 0.1	1.2	0.349	< 0.05	0.5	137	2.3	19.1	84	10.5
410482	0.052	8.6	1.9	< 1	2.90	1600	0.7	0.3	24	< 0.1	323	< 0.1	0.8	0.495	0.08	0.4	195	1.6	15.4	98	23.5
410483	0.058	21.8	4.3	< 1	1.64	1270	0.6	0.3	21	0.3	202	< 0.1	0.9	0.295	0.16	0.4	106	1.1	14.6	87	16.9
410484	0.080	11.7	3.2	< 1	2.62	1460	0.4	< 0.1	21	0.1	223	< 0.1	1.4	0.426	0.10	0.6	116	0.7	19.7	104	26.5
410485	0.080	37.3	1.9	< 1	2.21	1370	< 0.1	< 0.1	21	< 0.1	158	< 0.1	1.2	0.544	0.27	0.6	181	0.9	15.9	73	22.5
410486	0.080	60.9	2.1	< 1	1.90	1330	0.2	0.3	25	1.4	178	< 0.1	1.9	0.289	0.57	0.7	93	0.5	17.0	56	22.9
410487	0.101	6.4	6.2	< 1	1.90	1470	0.2	0.5	32	1.9	375	< 0.1	2.4	0.387	< 0.05	0.9	105	0.5	27.9	72	11.8
410488	0.094	11.6	5.0	< 1	2.39	1460	0.2	0.5	30	1.5	320	< 0.1	2.0	0.366	0.06	0.8	114	0.4	24.1	85	13.8
410489	0.058	65.8	0.6	< 1	3.79	732	0.4	0.2	26	0.4	70	< 0.1	0.9	0.324	0.29	0.5	153	0.3	13.4	72	36.8
410490 BLC	0.017	47.1	6.2	< 1	0.55	290	4.4	< 0.1	5	0.3	324	< 0.1	1.1	0.130	0.25	0.3	30	0.2	5.5	22	46.0
410491	0.057	53.5	1.0	< 1	4.55	880	1.7	2.0	23	0.6	126	0.2	2.1	0.414	0.30	0.8	179	1.1	12.1	33	66.3
410492	0.072	70.2	3.0	< 1	3.90	946	5.5	1.6	18	0.8	192	0.2	3.8	0.463	0.40	1.5	214	11.2	10.9	16	94.1
410493	0.100	121	0.6	< 1	2.07	533	0.3	0.6	20	0.2	113	< 0.1	2.6	0.299	0.66	4.2	93	0.4	12.9	12	92.0
410494	0.095	29.2	0.7	< 1	3.63	792	1.7	0.2	28	1.0	91	0.2	1.3	0.709	0.13	0.9	275	0.5	13.9	93	99.2
410495	0.064	2.6	0.7	< 1	4.08	1280	0.8	0.5	27	0.6	113	0.2	0.4	0.871	0.05	0.4	325	0.9	12.1	119	58.5
410496	0.062	10.5	0.9	< 1	4.28	1600	< 0.1	< 0.1	32	0.6	157	< 0.1	0.6	0.393	0.05	0.5	209	0.2	15.9	115	38.1
410497	0.035	26.6	1.1	< 1	2.42	634	0.2	< 0.1	17	0.1	238	< 0.1	4.3	0.191	0.11	1.8	75	0.2	14.4	43	63.9
410498	0.071	18.4	1.2	< 1	3.35	864	0.2	< 0.1	27	1.4	148	< 0.1	0.7	0.220	0.07	1.1	131	0.2	22.1	65	23.8
410499	0.083	25.6	1.1	< 1	3.38	1050	0.1	0.2	31	0.9	228	< 0.1	0.6	0.283	0.11	0.6	132	0.1	26.1	63	20.9
410500	0.080	24.9	1.0	< 1	3.16	985	0.1	0.1	29	0.8	227	< 0.1	0.5	0.342	0.11	0.6	132	0.1	23.5	59	25.3
410501	0.082	9.2	4.1	< 1	2.51	1130	0.8	0.4	24	0.9	336	< 0.1	0.7	0.544	0.06	0.5	139	0.1	20.5	38	28.0
410502	0.090	34.1	0.2	< 1	2.26	770	0.4	< 0.1	19	0.3	274	< 0.1	0.6	0.464	0.18	0.6	128	0.1	22.7	36	45.5
410503	0.088	16.8	0.8	< 1	1.99	992	1.4	0.1	18	0.4	350	< 0.1	0.6	0.524	0.11	0.5	145	0.2	18.2	40	48.4
410504	0.046	63.2	0.1	< 1	2.10	669	0.6	< 0.1	13	0.3	321	< 0.1	0.5	0.337	0.24	0.3	116	0.1	8.2	39	40.0
410505	0.064	43.8	11.0	< 1	2.07	922	2.0	0.4	18	1.4	260	< 0.1	0.5	0.635	0.23	0.5	241	0.1	14.4	48	59.2
410506	0.106	14.9	2.0	< 1	1.69	991	0.1	< 0.1	20	< 0.1	326	< 0.1	0.8	0.165	0.05	0.8	76	0.1	27.9	40	37.8
410507	0.080	40.9	0.8	< 1	2.04	721	0.6	0.1	27	2.1	346	< 0.1	0.7	0.273	0.16	2.3	114	< 0.1	28.6	55	27.2
410508	0.097	45.0	1.3	< 1	2.93	783	0.9	0.1	17	1.4	188	< 0.1	1.1	0.495	0.20	1.8	103	0.1	20.1	95	114

Analyte Symbol	P	Rb	Pb	S	Mg	Mn	Mo	Sb	Sc	Sn	Sr	Ta	Th	Ti	Tl	U	V	W	Y	Zn	Zr
Unit Symbol	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.1	0.1	1	0.01	1	0.1	0.1	1	0.1	1	0.1	0.1	0.001	0.05	0.1	4	0.1	0.1	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
410509	0.085	20.2	4.9	2	2.37	796	23.5	< 0.1	20	2.2	177	< 0.1	0.9	0.394	0.12	2.2	132	< 0.1	28.5	77	104
410510 MR	0.055	34.4	> 5000	> 10.0	1.29	667	16.0	9.4	7	7.6	25	0.3	1.8	0.142	1.07	1.4	34	3.9	15.1	> 10000	120
410511	0.093	15.1	1.3	< 1	1.51	539	3.7	0.3	14	2.3	254	< 0.1	1.0	0.406	0.10	1.4	77	< 0.1	20.7	57	78.3
410512	0.092	23.5	1.6	2	1.61	586	1.2	0.2	17	1.4	203	< 0.1	0.8	0.535	0.16	1.0	136	0.1	18.9	33	89.4
410513	0.038	55.6	1.1	< 1	2.04	462	5.6	0.4	11	0.6	258	0.4	5.4	0.324	0.21	1.9	94	0.4	9.4	44	95.8
410514	0.084	13.9	1.6	< 1	2.04	929	2.7	0.8	21	1.9	229	0.5	0.5	0.974	0.13	1.5	324	1.2	20.7	41	94.9
410515	0.080	45.4	0.5	< 1	2.16	951	0.1	< 0.1	28	< 0.1	273	< 0.1	1.5	0.192	0.16	1.2	111	< 0.1	21.6	38	41.3
410516	0.078	56.2	1.7	< 1	2.22	664	0.2	< 0.1	27	1.1	269	< 0.1	1.5	0.285	0.26	0.9	92	< 0.1	15.2	46	32.3
410517	0.049	62.2	4.6	< 1	1.70	540	8.2	0.2	10	0.7	249	0.2	1.6	0.484	0.31	0.7	130	0.4	7.8	39	72.4
410518	0.036	42.0	0.9	< 1	1.90	484	25.7	0.3	10	0.9	265	< 0.1	5.2	0.303	0.14	2.1	89	0.1	7.8	48	99.1
410519	0.037	38.3	0.9	< 1	1.81	461	5.5	0.2	10	0.7	284	0.2	5.1	0.331	0.12	1.9	96	0.2	6.9	40	101
410520 BLC	0.019	48.7	6.4	< 1	0.55	270	1.6	< 0.1	5	0.2	364	< 0.1	1.3	0.128	0.23	0.4	30	< 0.1	5.6	19	47.8
410521	0.074	40.2	0.6	< 1	2.06	776	1.6	< 0.1	24	0.4	338	< 0.1	1.3	0.543	0.17	1.1	197	< 0.1	18.3	32	89.9
410522	0.055	45.2	0.3	< 1	2.57	747	1.9	0.1	22	0.7	312	0.2	0.9	0.672	0.18	0.8	247	0.3	13.8	46	58.1
410523	0.042	52.2	0.1	< 1	3.06	738	1.2	0.2	24	0.9	197	0.1	0.6	0.645	0.17	0.5	261	0.5	12.4	32	45.5
410524	0.076	34.7	0.6	< 1	2.04	625	2.1	0.2	21	1.1	326	0.1	1.0	0.699	0.17	0.8	242	0.4	15.4	31	79.6
410525	0.087	34.8	4.3	3	2.73	706	8.3	0.8	17	1.8	116	0.5	0.9	0.769	0.40	2.8	258	1.1	10.5	70	107
410526	0.087	167	1.0	< 1	4.52	868	< 0.1	< 0.1	31	< 0.1	220	< 0.1	2.6	0.257	0.96	1.2	215	< 0.1	14.1	71	103
410527	0.101	55.5	2.6	< 1	3.42	779	0.1	< 0.1	24	< 0.1	206	< 0.1	2.0	0.229	0.29	1.4	154	< 0.1	16.7	79	95.8
410528	0.138	29.4	2.2	< 1	2.08	968	< 0.1	< 0.1	29	0.3	294	< 0.1	2.6	0.166	0.11	1.6	101	< 0.1	33.0	71	44.3
410529	0.138	35.2	1.7	< 1	1.80	1090	0.1	< 0.1	27	0.3	336	< 0.1	2.5	0.183	0.13	1.6	101	< 0.1	33.4	68	54.7
410530	0.148	39.2	1.5	< 1	2.01	1120	0.2	< 0.1	30	0.3	325	< 0.1	2.7	0.249	0.15	1.7	92	< 0.1	33.3	81	72.4
410531	0.109	24.2	0.6	< 1	1.56	954	0.3	0.1	19	0.4	254	< 0.1	1.9	0.393	0.10	1.0	118	< 0.1	25.1	941	69.1
410532	0.130	24.2	2.3	1	2.15	1110	0.8	0.3	18	1.5	261	< 0.1	2.2	0.576	0.24	1.2	143	< 0.1	27.3	92	85.0
410533	0.138	13.8	0.9	< 1	1.90	1370	0.4	< 0.1	24	0.2	383	< 0.1	2.3	0.491	0.08	1.3	133	< 0.1	31.2	85	110
410534	0.155	18.3	1.3	< 1	2.06	1440	0.5	< 0.1	22	0.5	427	< 0.1	2.3	0.448	0.10	1.2	148	< 0.1	28.5	92	109
410535	0.138	21.5	1.4	< 1	2.09	1490	0.3	< 0.1	24	0.2	376	< 0.1	2.2	0.479	0.12	1.3	127	< 0.1	30.1	103	70.4
410536	0.175	11.5	3.7	< 1	2.43	1640	1.8	1.5	26	1.9	345	0.7	1.9	1.11	0.33	1.3	284	0.3	31.2	124	157
410537	0.093	42.3	2.0	< 1	2.57	917	< 0.1	< 0.1	28	< 0.1	200	< 0.1	1.6	0.184	0.20	1.2	138	< 0.1	21.9	66	41.2
410538	0.090	26.8	4.0	1	1.56	651	0.6	0.2	20	2.1	424	< 0.1	1.7	0.378	0.12	0.9	86	< 0.1	18.5	72	24.8
410539	0.084	34.8	2.4	< 1	2.48	884	0.1	< 0.1	28	0.3	301	< 0.1	1.6	0.251	0.15	0.9	104	< 0.1	19.3	105	37.9
410540	0.083	36.0	2.1	< 1	2.57	881	0.8	< 0.1	28	0.3	313	< 0.1	1.5	0.352	0.16	0.9	124	< 0.1	18.6	81	43.3
410541	0.091	24.5	1.5	< 1	1.90	946	0.2	0.2	24	0.3	390	< 0.1	1.7	0.263	0.13	0.8	97	< 0.1	24.5	58	43.7
410542	0.088	16.1	18.9	< 1	2.05	919	0.2	0.2	23	0.2	411	< 0.1	1.5	0.257	0.38	0.8	106	< 0.1	22.7	71	52.3
410543	0.237	40.8	29.3	< 1	3.61	1140	1.3	0.7	20	1.1	233	< 0.1	2.8	0.545	0.19	1.6	174	0.6	20.0	131	77.2
410544	0.151	13.4	3.5	< 1	2.31	871	0.8	0.6	26	2.2	165	< 0.1	2.4	0.639	0.07	1.2	143	0.2	28.6	73	81.0
410545	0.087	44.4	1.5	< 1	2.55	949	< 0.1	< 0.1	28	< 0.1	371	< 0.1	1.8	0.126	0.18	0.9	88	< 0.1	21.9	46	37.3
410546	0.086	56.4	2.5	< 1	2.47	876	0.3	0.4	28	1.2	346	< 0.1	1.8	0.348	0.22	0.9	128	< 0.1	19.3	41	36.4
410547	0.066	53.6	1.6	< 1	2.27	831	0.3	0.1	17	0.7	342	< 0.1	1.1	0.222	0.22	0.8	85	< 0.1	13.2	58	21.5
410548	0.139	41.2	2.7	< 1	2.28	853	0.4	0.6	28	3.4	278	< 0.1	2.7	0.513	0.23	3.0	140	< 0.1	32.8	81	118
410549	0.146	20.8	2.2	< 1	2.40	950	2.7	0.6	31	3.3	267	< 0.1	2.8	0.466	0.09	3.6	109	< 0.1	35.7	72	90.1
410550 MR	0.080	100	6.8	2	1.09	3350	114	2.4	14	6.2	110	< 0.1	3.6	0.353	0.28	32.3	220	21.0	18.8	26	134

Analyte Symbol	P	Rb	Pb	S	Mg	Mn	Mo	Sb	Sc	Sn	Sr	Ta	Th	Ti	Tl	U	V	W	Y	Zn	Zr
Unit Symbol	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.1	0.1	1	0.01	1	0.1	0.1	1	0.1	1	0.1	0.1	0.001	0.05	0.1	4	0.1	0.1	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
410551	0.094	37.5	25.7	< 1	3.86	946	14.6	0.5	25	1.5	284	0.4	2.5	0.722	0.17	1.7	201	0.7	19.5	70	132
410552	0.057	27.4	1.1	< 1	4.31	1180	1.7	< 0.1	33	0.4	300	0.1	0.5	0.687	0.12	0.3	209	0.2	21.8	78	38.8
410553	0.037	61.4	0.8	< 1	4.82	1140	1.4	0.5	23	0.6	221	0.1	0.3	0.445	0.32	0.3	167	1.1	7.1	64	29.6
410554	0.115	20.2	1.0	< 1	2.23	938	2.2	1.0	20	1.4	352	0.8	1.0	1.02	0.18	0.8	251	0.7	20.9	93	83.1
410555	0.099	26.8	1.1	< 1	2.26	1400	< 0.1	< 0.1	25	< 0.1	397	< 0.1	2.0	0.169	0.12	0.8	71	< 0.1	27.6	109	47.8
410556	0.199	31.2	1.4	< 1	2.92	1230	< 0.1	< 0.1	26	0.3	511	< 0.1	2.6	0.227	0.13	1.2	109	< 0.1	28.8	118	58.1
410557	0.092	12.8	0.6	< 1	1.68	817	0.5	< 0.1	24	0.2	386	< 0.1	1.7	0.172	0.05	1.1	56	< 0.1	24.5	47	38.3
410558	0.033	53.0	6.3	< 1	0.35	783	5.3	< 0.1	6	0.9	226	< 0.1	4.4	0.182	0.19	2.5	19	< 0.1	24.3	52	95.8
410559	0.032	46.6	5.2	< 1	0.34	739	6.3	< 0.1	7	0.9	222	< 0.1	2.8	0.181	0.18	1.5	17	< 0.1	20.3	52	107
410560 BLC	0.015	45.8	7.8	< 1	0.60	344	3.1	< 0.1	5	0.1	322	< 0.1	1.0	0.141	0.29	0.3	33	< 0.1	5.4	26	54.3
410561	0.036	38.6	5.0	< 1	0.37	823	8.5	0.2	6	1.4	248	0.2	2.8	0.208	0.14	1.6	19	0.2	20.7	49	104
410562	0.026	37.5	4.1	< 1	0.32	736	6.7	0.1	5	0.8	173	< 0.1	2.3	0.183	0.16	1.1	19	0.1	16.8	47	83.6
410563	0.037	30.8	1.2	< 1	0.29	696	9.2	0.3	6	1.3	213	0.2	2.8	0.210	0.11	1.7	22	1.8	16.0	22	92.8
410564	0.031	36.1	1.1	< 1	0.15	675	9.9	0.4	3	1.3	86	0.6	1.5	0.199	0.14	1.7	18	0.9	12.2	8	96.2
410565	0.034	33.3	1.9	< 1	0.32	580	9.0	0.3	6	1.3	211	0.2	3.6	0.198	0.12	1.7	18	0.5	17.1	23	102
410566	0.032	42.9	1.3	< 1	0.37	539	9.2	< 0.1	6	1.0	113	< 0.1	3.0	0.188	0.14	1.6	15	0.4	15.3	27	66.9
410567	0.032	43.6	3.9	< 1	0.28	513	8.6	0.3	6	1.3	129	0.2	3.2	0.190	0.16	1.6	17	0.8	16.6	34	100
410568	0.036	54.9	2.6	< 1	0.24	712	7.4	0.4	7	1.5	132	0.1	3.8	0.200	0.20	6.4	21	1.2	18.6	35	108
410569	0.033	31.0	2.6	< 1	0.35	715	7.3	0.2	6	1.4	211	0.2	2.9	0.191	0.11	1.5	20	0.2	15.8	45	96.8
410570 MR	0.068	69.6	804	< 1	1.22	888	5.3	2.0	12	0.6	353	< 0.1	2.7	0.309	0.57	0.8	115	1.4	9.4	71	72.0
410571	0.032	30.6	2.9	< 1	0.31	702	7.2	0.2	5	1.4	151	0.3	1.8	0.202	0.11	1.0	20	26.3	14.3	76	97.6
410572	0.031	19.0	4.1	< 1	0.33	726	9.2	0.3	4	1.4	211	0.5	2.0	0.196	0.08	1.1	19	0.3	13.9	51	85.8
410573	0.031	27.6	3.4	< 1	0.32	693	8.2	0.2	5	1.3	196	0.2	2.2	0.190	0.10	1.2	17	0.2	13.9	47	92.4
410574	0.032	48.1	24.3	< 1	0.36	1000	8.3	0.3	6	1.4	153	0.5	4.0	0.188	0.17	1.5	18	0.8	14.6	56	88.0
410575	0.032	36.8	5.5	< 1	0.34	778	7.8	0.2	5	1.3	151	0.4	2.6	0.192	0.13	1.8	17	0.6	14.7	42	99.6
410576	0.032	39.0	2.9	< 1	0.33	572	9.4	0.2	6	1.4	179	0.2	4.0	0.194	0.13	2.0	17	0.5	18.0	39	101
410577	0.035	39.1	3.2	< 1	0.37	721	11.0	0.1	6	1.4	137	< 0.1	3.0	0.199	0.13	1.5	19	0.7	16.9	53	103
410578	0.033	35.9	4.7	< 1	0.45	949	9.6	0.3	6	1.3	183	0.4	2.9	0.188	0.12	1.4	18	1.1	14.7	78	90.2
410579	0.033	38.1	2.6	< 1	0.35	846	7.2	0.2	6	1.3	149	0.4	3.1	0.200	0.12	1.5	18	0.9	14.6	50	101
410580	0.035	41.5	2.8	< 1	0.36	867	9.1	0.2	6	1.3	146	0.4	3.3	0.207	0.15	1.6	18	0.9	15.2	49	101
410581	0.031	42.1	3.0	< 1	0.33	913	10.2	0.4	6	1.3	166	0.4	3.2	0.195	0.15	1.5	19	0.7	14.4	43	107
410582	0.036	38.7	2.9	< 1	0.35	925	10.2	0.3	6	1.5	179	0.5	3.0	0.206	0.14	1.5	18	0.9	15.2	51	104
410583	0.033	39.5	3.3	< 1	0.33	679	7.9	0.2	5	1.2	199	0.4	3.0	0.193	0.14	1.5	19	0.9	14.0	39	92.3
410584	0.027	26.1	3.3	< 1	0.29	674	9.1	< 0.1	4	1.0	140	< 0.1	1.7	0.192	0.13	1.0	16	0.3	10.9	54	99.7
410585	0.017	19.4	1.6	< 1	0.21	363	3.9	< 0.1	3	0.4	134	< 0.1	1.7	0.110	0.06	0.8	14	0.1	10.5	34	16.6
410586	0.030	40.5	3.0	< 1	0.31	631	8.4	< 0.1	5	0.9	176	0.1	3.0	0.172	0.13	1.5	15	0.3	14.5	44	94.8
410587	0.027	40.5	3.8	< 1	0.31	645	6.0	0.1	5	1.1	154	< 0.1	3.4	0.162	0.14	1.8	16	0.3	14.9	48	86.5
410588	0.034	58.4	3.0	< 1	0.33	827	7.2	0.4	6	1.2	110	0.2	3.3	0.197	0.20	1.6	16	1.2	16.3	59	102
410589	0.028	34.3	5.2	< 1	0.33	576	6.3	0.2	5	1.0	176	0.1	2.7	0.162	0.12	1.3	16	0.5	14.1	63	95.1
410590 BLC	0.016	46.7	6.0	< 1	0.52	242	2.7	< 0.1	4	0.2	357	< 0.1	1.1	0.109	0.23	0.3	24	< 0.1	5.1	22	35.8
410591	0.027	30.4	5.8	< 1	0.31	612	7.8	0.1	5	1.0	114	< 0.1	1.7	0.161	0.12	1.3	14	0.2	11.3	60	78.5
410592	0.030	32.7	6.8	< 1	0.32	586	6.2	0.1	6	1.2	144	< 0.1	2.5	0.170	0.11	1.4	17	0.2	17.4	52	88.7

Analyte Symbol	P	Rb	Pb	S	Mg	Mn	Mo	Sb	Sc	Sn	Sr	Ta	Th	Ti	Tl	U	V	W	Y	Zn	Zr
Unit Symbol	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.1	0.1	1	0.01	1	0.1	0.1	1	0.1	1	0.1	0.1	0.001	0.05	0.1	4	0.1	0.1	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
410593	0.027	18.8	6.1	< 1	0.28	704	9.0	0.3	4	1.2	214	0.6	1.8	0.179	0.07	1.5	16	0.6	14.8	49	97.1
410594	0.118	29.2	20.5	2	2.22	885	3.4	0.5	15	2.2	168	0.2	1.9	0.427	0.25	1.4	151	0.4	12.1	103	86.4
410595	0.061	72.6	1.7	< 1	3.40	1020	1.8	0.9	24	1.3	180	< 0.1	0.8	0.373	0.62	0.6	189	0.1	7.1	95	47.8
410596	0.052	48.2	10.0	3	4.72	1100	1.5	2.8	17	0.4	442	0.1	0.7	0.315	0.33	0.5	144	14.8	7.2	29	51.0
410597	0.021	13.4	0.3	< 1	8.16	1110	0.8	0.3	21	< 0.1	176	< 0.1	0.2	0.264	0.09	0.2	149	0.1	7.2	55	34.5
410598	0.020	< 0.1	< 0.1	< 1	8.55	1130	0.2	< 0.1	23	< 0.1	145	< 0.1	0.1	0.229	< 0.05	0.1	147	< 0.1	7.2	61	25.9
410599	0.022	< 0.1	0.2	< 1	8.62	1120	0.6	< 0.1	23	< 0.1	140	< 0.1	0.1	0.279	< 0.05	0.1	166	0.1	6.9	63	26.3
410600 MR	0.465	853	7.2	< 1	0.69	3030	230	0.3	5	98.7	109	0.2	5.2	0.151	5.71	7.7	57	> 200	7.4	344	47.7
410601	0.021	1.7	< 0.1	< 1	8.43	1090	0.8	< 0.1	21	< 0.1	149	< 0.1	0.2	0.236	< 0.05	0.1	150	0.2	6.8	66	30.2
410602	0.021	< 0.1	0.3	< 1	8.32	1120	0.6	< 0.1	24	< 0.1	170	< 0.1	0.2	0.237	< 0.05	0.2	159	3.9	6.6	67	35.2
410603	0.022	< 0.1	0.3	< 1	8.37	1070	1.4	0.6	21	0.4	175	0.1	0.1	0.313	< 0.05	0.1	146	2.7	5.3	60	31.5
410604	0.056	6.7	0.7	< 1	6.57	1200	0.2	0.1	24	< 0.1	118	< 0.1	1.0	0.257	0.05	0.5	141	0.7	13.3	98	83.0
410605	0.125	8.0	5.1	< 1	2.76	780	0.2	0.2	16	0.8	230	< 0.1	2.2	0.289	0.06	0.9	81	0.5	17.3	73	77.3
410606	0.027	4.0	24.8	< 1	3.45	1320	2.0	0.3	35	0.5	217	< 0.1	0.6	0.369	< 0.05	0.4	237	0.5	18.7	232	25.4
410607	0.022	8.4	2.8	< 1	3.95	1290	1.3	0.5	38	0.3	214	< 0.1	0.4	0.365	0.09	0.3	228	0.5	16.1	140	24.0
410608	0.098	18.0	4.7	< 1	1.87	869	0.3	< 0.1	13	0.2	431	< 0.1	3.7	0.196	0.16	1.5	67	0.4	15.0	94	101
410609	0.020	11.4	1.4	< 1	4.46	1300	1.2	0.2	40	0.3	207	< 0.1	0.3	0.346	0.10	0.2	238	0.5	16.9	123	21.2
410610 BLC	0.015	46.9	6.2	< 1	0.52	261	3.5	< 0.1	4	0.2	324	< 0.1	1.1	0.125	0.23	0.3	27	0.2	5.1	23	34.5
410611	0.042	1.8	4.1	< 1	7.14	1020	0.6	< 0.1	23	< 0.1	124	< 0.1	1.7	0.340	< 0.05	0.6	148	0.3	10.8	72	68.0
410612	0.022	8.9	2.3	< 1	3.72	1290	1.9	0.4	40	0.3	241	< 0.1	0.4	0.355	0.08	0.3	219	0.3	16.3	94	26.8
410613	0.019	3.2	2.1	< 1	4.09	1250	1.2	0.7	39	0.3	209	< 0.1	0.3	0.362	0.05	0.3	227	0.5	15.6	110	25.3
410614	0.039	4.3	3.6	< 1	3.54	1230	1.1	< 0.1	33	0.3	197	< 0.1	0.8	0.357	0.05	0.5	188	0.2	16.4	109	47.9
410615	0.059	4.6	3.8	< 1	3.89	1150	0.2	0.1	32	0.5	173	< 0.1	1.2	0.247	< 0.05	0.6	111	0.2	20.1	121	51.8
410616	0.041	5.5	3.9	< 1	4.66	1100	0.8	0.9	27	0.3	175	< 0.1	1.0	0.307	0.06	0.5	137	0.2	13.9	107	46.6
410617	0.068	2.9	8.4	< 1	4.38	1260	0.3	0.3	26	0.3	132	< 0.1	0.8	0.200	< 0.05	0.5	109	0.2	13.9	171	23.7
410618	0.141	1.6	4.1	< 1	1.86	1510	0.2	0.1	27	< 0.1	524	< 0.1	1.2	0.180	< 0.05	0.6	152	0.1	18.4	179	15.6
410619	0.164	4.4	3.8	< 1	1.90	1680	0.2	0.2	28	0.7	411	< 0.1	1.5	0.253	< 0.05	0.8	145	0.1	20.9	164	21.0
410620	0.159	5.0	3.4	< 1	1.92	1650	0.2	0.2	29	0.7	395	< 0.1	1.4	0.243	< 0.05	0.7	152	0.1	20.9	190	17.8
410621	0.130	36.9	2.3	< 1	2.69	1530	0.7	3.7	21	0.5	231	< 0.1	1.0	0.329	0.31	0.6	135	0.1	12.1	147	24.0
410622	0.075	59.7	1.2	< 1	3.79	1080	0.3	2.7	24	0.6	147	< 0.1	1.4	0.191	0.50	0.6	130	0.2	8.3	106	30.0
410623	0.076	54.5	1.5	< 1	3.56	1160	0.6	1.2	23	0.6	137	< 0.1	0.8	0.399	0.50	0.5	174	0.2	7.6	57	47.9
410624	0.073	72.8	2.5	< 1	2.94	1330	2.0	0.5	15	0.4	246	< 0.1	0.8	0.399	0.59	1.0	97	0.2	8.3	74	67.8
410625	0.047	36.6	1.7	< 1	3.42	1600	< 0.1	< 0.1	28	0.3	166	< 0.1	0.6	0.173	0.27	0.3	106	0.1	7.7	150	11.5

Analyte Symbol	Te	Al	Ag	As	Au	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Cs	Fe	Hf	K	La	Li	Na	Nb	Ni
Unit Symbol	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm
Lower Limit	0.1	0.01	0.1	1	100	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.1	0.01	0.1	0.01	0.1	0.1	0.001	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-1 Meas	10.5	1.96	31.6	422	> 2000	653	< 1	1420	0.87	2.5	14	8.2	16	1180	2.8	25.6	0.5	0.03	7.5	7.9	0.030	0.7	45.0
GXR-1 Cert	13.0	3.52	31.0	427	3300	750	1.22	1380	0.960	3.30	17.0	8.20	12.0	1110	3.00	23.6	0.960	0.050	7.50	8.20	0.0520	0.800	41.0
GXR-1 Meas		1.96	31.6	422	> 2000	653	< 1	1420	0.87	2.5	14	8.2	16	1180	2.8	25.6	0.5	0.03	7.5	7.9	0.030	0.7	45.0
GXR-1 Cert		3.52	31.0	427	3300	750	1.22	1380	0.960	3.30	17.0	8.20	12.0	1110	3.00	23.6	0.960	0.050	7.50	8.20	0.0520	0.800	41.0
DH-1a Meas																							
DH-1a Cert																							
DH-1a Meas																							
DH-1a Cert																							
DH-1a Meas																							
DH-1a Cert																							
DH-1a Meas																							
DH-1a Cert																							
GXR-4 Meas	1.1	6.37	3.5	105	400	114	2	17.5	1.05	0.2	107	14.5	44	6530	2.6	3.14	1.1	4.14	54.5	11.2	0.539	9.8	42.7
GXR-4 Cert	0.970	7.20	4.0	98.0	500	1640	1.90	19.0	1.01	0.860	102	14.6	64.0	6520	2.80	3.09	6.30	4.01	64.5	11.1	0.564	10.0	42.0
GXR-4 Meas		6.37	3.5	105	400	114	2	17.5	1.05	0.2	107	14.5	44	6530	2.6	3.14	1.1	4.14	54.5	11.2	0.539	9.8	42.7
GXR-4 Cert		7.20	4.0	98.0	500	1640	1.90	19.0	1.01	0.860	102	14.6	64.0	6520	2.80	3.09	6.30	4.01	64.5	11.1	0.564	10.0	42.0
SDC-1 Meas		8.00		< 1		599	3		1.02		81	17.5	36	28.4	3.7	4.75	0.5	2.62	40.1	35.2	1.63	< 0.1	36.5
SDC-1 Cert		8.34		0.220		630	3.00		1.00		93.00	18.0	64.00	30.000	4.00	4.82	8.30	2.72	42.00	34.0	1.52	21.00	38.0
SDC-1 Meas		8.14		< 1		621	3		1.10		83	18.5	45	28.9	3.9	5.09	0.8	2.59	38.9	37.0	1.58	0.9	37.1
SDC-1 Cert		8.34		0.220		630	3.00		1.00		93.00	18.0	64.00	30.000	4.00	4.82	8.30	2.72	42.00	34.0	1.52	21.00	38.0
SDC-1 Meas		8.00		< 1		599	3		1.02		81	17.5	36	28.4	3.7	4.75	0.5	2.62	40.1	35.2	1.63	< 0.1	36.5
SDC-1 Cert		8.34		0.220		630	3.00		1.00		93.00	18.0	64.00	30.000	4.00	4.82	8.30	2.72	42.00	34.0	1.52	21.00	38.0
SDC-1 Meas		8.14		< 1		621	3		1.10		83	18.5	45	28.9	3.9	5.09	0.8	2.59	38.9	37.0	1.58	0.9	37.1
SDC-1 Cert		8.34		0.220		630	3.00		1.00		93.00	18.0	64.00	30.000	4.00	4.82	8.30	2.72	42.00	34.0	1.52	21.00	38.0
GXR-6 Meas	< 0.1	11.1	0.2	223	< 100	1100	< 1	0.2	0.15	0.1	32	13.4	50	63.0	4.0	5.68	1.9	1.82	12.1	34.2	0.083	0.1	25.5
GXR-6 Cert	0.0180	17.7	1.30	330	95.0	1300	1.40	0.290	0.180	1.00	36.0	13.8	96.0	66.0	4.20	5.58	4.30	1.87	13.9	32.0	0.104	7.50	27.0
GXR-6 Meas	< 0.1	10.6	0.2	230	< 100	1150	1	0.2	0.16	0.1	34	13.4	55	68.2	4.2	5.72	1.8	1.92	13.2	35.3	0.088	0.2	25.9
GXR-6 Cert	0.0180	17.7	1.30	330	95.0	1300	1.40	0.290	0.180	1.00	36.0	13.8	96.0	66.0	4.20	5.58	4.30	1.87	13.9	32.0	0.104	7.50	27.0
GXR-6 Meas		11.1	0.2	223	< 100	1100	< 1	0.2	0.15	0.1	32	13.4	50	63.0	4.0	5.68	1.9	1.82	12.1	34.2	0.083	0.1	25.5
GXR-6 Cert		17.7	1.30	330	95.0	1300	1.40	0.290	0.180	1.00	36.0	13.8	96.0	66.0	4.20	5.58	4.30	1.87	13.9	32.0	0.104	7.50	27.0
GXR-6 Meas		10.6	0.2	230	< 100	1150	1	0.2	0.16	0.1	34	13.4	55	68.2	4.2	5.72	1.8	1.92	13.2	35.3	0.088	0.2	25.9
GXR-6 Cert		17.7	1.30	330	95.0	1300	1.40	0.290	0.180	1.00	36.0	13.8	96.0	66.0	4.20	5.58	4.30	1.87	13.9	32.0	0.104	7.50	27.0
DNC-1a Meas						96						54.2	160	90.8					3.7	4.4		1.1	272
DNC-1a Cert						118						57	270	100					3.6	5.2		3	247
DNC-1a Meas						99						57.0	163	97.7					3.7	4.7		1.5	279
DNC-1a Cert						118						57	270	100					3.6	5.2		3	247
DNC-1a Meas						96						54.2	160	90.8					3.7	4.4		1.1	272
DNC-1a Cert						118						57	270	100					3.6	5.2		3	247
DNC-1a Meas						99						57.0	163	97.7					3.7	4.7		1.5	279
DNC-1a Cert						118						57	270	100					3.6	5.2		3	247
SBC-1 Meas				22		683	3	0.6		0.4	92	20.8	76	25.6	7.5		3.0		46.5	157		11.5	85.2
SBC-1 Cert				25.7		788.0	3.20	0.70		0.40	108.0	22.7	109		8.2		3.7		52.5	163		15.3	82.8

Analyte Symbol	Te	Al	Ag	As	Au	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Cs	Fe	Hf	K	La	Li	Na	Nb	Ni
Unit Symbol	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm
Lower Limit	0.1	0.01	0.1	1	100	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.1	0.01	0.1	0.01	0.1	0.1	0.001	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
														31.0000									
SBC-1 Meas				27		711	3	0.7		0.4	109	22.9	84	29.2	8.4		3.5		49.4	169		14.1	90.1
SBC-1 Cert				25.7		788.0	3.20	0.70		0.40	108.0	22.7	109	31.0000	8.2		3.7		52.5	163		15.3	82.8
SBC-1 Meas				22		683	3	0.6		0.4	92	20.8	76	25.6	7.5		3.0		46.5	157		11.5	85.2
SBC-1 Cert				25.7		788.0	3.20	0.70		0.40	108.0	22.7	109	31.0000	8.2		3.7		52.5	163		15.3	82.8
SBC-1 Meas				27		711	3	0.7		0.4	109	22.9	84	29.2	8.4		3.5		49.4	169		14.1	90.1
SBC-1 Cert				25.7		788.0	3.20	0.70		0.40	108.0	22.7	109	31.0000	8.2		3.7		52.5	163		15.3	82.8
OREAS 45d (4-Acid) Meas		7.36		7		170	< 1	0.3	0.18		32	29.7	520	350	3.6	14.7	2.4	0.40	15.2	21.4	0.086	0.9	249
OREAS 45d (4-Acid) Cert		8.150		13.8		183.0	0.79	0.31	0.185		37.20	29.50	549	371	3.910	14.5	3.830	0.412	16.9	21.5	0.101	14.50	231.0
OREAS 45d (4-Acid) Meas		7.36		7		170	< 1	0.3	0.18		32	29.7	520	350	3.6	14.7	2.4	0.40	15.2	21.4	0.086	0.9	249
OREAS 45d (4-Acid) Cert		8.150		13.8		183.0	0.79	0.31	0.185		37.20	29.50	549	371	3.910	14.5	3.830	0.412	16.9	21.5	0.101	14.50	231.0
SdAR-M2 (U.S.G.S.) Meas						928	7	1.0		5.1	93	12.2	41	232	1.8		3.6		42.5	18.7		2.6	50.7
SdAR-M2 (U.S.G.S.) Cert						990	6.6	1.05		5.1	98.8	12.4	49.6	236.0000	1.82		7.29		46.6	17.9		26.2	48.8
SdAR-M2 (U.S.G.S.) Meas						928	7	1.0		5.1	93	12.2	41	232	1.8		3.6		42.5	18.7		2.6	50.7
SdAR-M2 (U.S.G.S.) Cert						990	6.6	1.05		5.1	98.8	12.4	49.6	236.0000	1.82		7.29		46.6	17.9		26.2	48.8
410437 Orig	< 0.1	3.50	< 0.1	30	< 100	10	< 1	< 0.1	8.20	< 0.1	3	63.2	677	53.4	< 0.1	5.91	0.6	0.06	1.2	18.9	< 0.001	0.7	785
410437 Dup	< 0.1	3.69	< 0.1	35	< 100	11	< 1	< 0.1	8.34	< 0.1	3	67.3	690	53.5	< 0.1	5.88	0.7	0.06	0.9	19.1	< 0.001	0.7	791
410442 Orig	< 0.1	4.27	< 0.1	230	< 100	50	< 1	0.1	6.92	< 0.1	16	50.0	530	63.7	0.3	5.58	1.3	0.58	7.7	19.2	0.024	0.7	492
410442 Dup	< 0.1	4.24	< 0.1	227	< 100	48	< 1	0.1	7.00	0.1	15	50.0	516	62.7	0.3	5.48	1.4	0.56	6.8	19.3	0.021	1.8	472
410473 Orig	< 0.1	6.72	< 0.1	1	< 100	500	1	< 0.1	1.99	< 0.1	24	5.5	86	3.7	0.6	2.99	2.8	1.94	10.4	14.4	3.50	2.8	2.1
410473 Dup	< 0.1	7.32	< 0.1	1	< 100	530	1	< 0.1	2.09	< 0.1	26	5.6	89	2.5	0.6	3.02	2.8	1.92	11.2	14.7	3.45	1.5	2.0
410483 Orig	< 0.1	7.17	< 0.1	3	< 100	265	< 1	< 0.1	6.12	0.2	17	29.1	68	73.0	0.5	7.19	0.5	0.96	6.6	12.5	1.80	0.6	19.4
410483 Dup	< 0.1	8.32	< 0.1	2	< 100	261	< 1	< 0.1	6.09	0.2	18	27.3	61	80.1	0.5	7.02	0.4	0.95	7.1	12.4	1.73	0.5	18.7
410485 Orig	< 0.1	6.00	< 0.1	9	< 100	235	< 1	< 0.1	6.26	< 0.1	16	30.4	79	41.0	1.9	7.63	0.7	1.25	6.7	16.6	1.54	10.0	20.4
410485 Dup	< 0.1	7.81	< 0.1	3	< 100	245	< 1	< 0.1	6.25	< 0.1	26	28.8	67	44.5	2.3	7.77	0.5	1.29	11.1	17.2	1.58	0.1	20.4
410512 Orig	< 0.1	5.77	< 0.1	< 1	< 100	247	< 1	0.4	3.91	< 0.1	18	68.7	50	698	0.3	9.36	2.5	0.93	5.9	6.3	3.84	3.3	38.4
410512 Dup	< 0.1	6.24	< 0.1	< 1	< 100	223	< 1	0.4	3.90	< 0.1	19	69.4	54	705	0.3	9.21	2.3	1.00	6.5	6.4	3.70	2.7	38.4
410537 Orig	< 0.1	7.38	< 0.1	< 1	< 100	228	< 1	0.1	7.60	< 0.1	36	33.4	58	228	0.8	8.63	1.3	1.17	17.4	16.4	2.11	0.2	21.6
410537 Dup	< 0.1	7.57	< 0.1	< 1	< 100	222	< 1	0.1	7.26	< 0.1	36	31.9	48	216	0.8	8.14	0.8	1.12	17.5	15.8	2.12	0.1	19.9
410555 Orig	< 0.1	8.86	< 0.1	< 1	< 100	207	< 1	< 0.1	6.81	< 0.1	40	31.2	73	109	0.3	8.29	1.3	0.78	16.7	11.1	2.02	0.2	11.5
410555 Dup	< 0.1	9.49	< 0.1	< 1	< 100	214	< 1	< 0.1	6.95	< 0.1	42	31.0	49	114	0.3	8.59	0.9	0.77	17.9	11.3	2.09	0.1	11.9
410575 Orig	< 0.1	5.08	< 0.1	1	< 100	383	1	< 0.1	3.27	< 0.1	25	4.4	130	0.7	0.3	2.59	2.8	1.55	9.5	5.8	2.43	7.8	2.2
410575 Dup	< 0.1	6.71	< 0.1	2	< 100	385	1	< 0.1	3.50	< 0.1	34	5.1	129	0.3	0.4	2.66	2.8	1.60	16.8	6.0	2.51	4.9	2.3
410602 Orig	< 0.1	3.60	< 0.1	3	< 100	3	< 1	< 0.1	6.73	< 0.1	5	64.8	801	78.9	< 0.1	6.45	0.9	< 0.01	2.0	7.3	< 0.001	0.9	763

Analyte Symbol	Te	Al	Ag	As	Au	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Cs	Fe	Hf	K	La	Li	Na	Nb	Ni
Unit Symbol	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm
Lower Limit	0.1	0.01	0.1	1	100	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.1	0.01	0.1	0.01	0.1	0.1	0.001	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
410602 Dup	< 0.1	3.72	< 0.1	< 1	< 100	2	< 1	< 0.1	6.90	< 0.1	6	65.8	761	76.2	< 0.1	6.58	0.9	< 0.01	2.1	7.6	< 0.001	0.7	757
410605 Orig	< 0.1	6.70	< 0.1	< 1	< 100	187	< 1	< 0.1	4.01	< 0.1	31	26.1	101	82.2	0.3	6.13	2.1	0.30	14.8	16.9	3.44	0.3	52.9
410605 Dup	< 0.1	7.49	< 0.1	< 1	< 100	192	< 1	< 0.1	4.11	< 0.1	36	26.7	78	83.6	0.3	6.08	1.8	0.29	16.0	17.6	3.62	0.2	53.6
Method Blank		0.01	< 0.1	< 1	< 100	< 1	< 1	< 0.1	< 0.01	< 0.1	< 1	< 0.2	6	0.9	< 0.1	< 0.01	< 0.1	< 0.01	0.2	< 0.1	< 0.001	< 0.1	< 0.1
Method Blank		0.01	< 0.1	< 1	< 100	< 1	< 1	< 0.1	< 0.01	< 0.1	< 1	< 0.2	6	0.9	< 0.1	< 0.01	< 0.1	< 0.01	0.2	< 0.1	< 0.001	< 0.1	< 0.1
Method Blank		0.06	< 0.1	< 1	< 100	< 1	< 1	< 0.1	< 0.01	< 0.1	< 1	< 0.2	< 1	0.7	< 0.1	< 0.01	< 0.1	< 0.01	< 0.1	< 0.1	< 0.001	< 0.1	< 0.1
Method Blank		0.06	< 0.1	< 1	< 100	< 1	< 1	< 0.1	< 0.01	< 0.1	< 1	< 0.2	< 1	0.7	< 0.1	< 0.01	< 0.1	< 0.01	< 0.1	< 0.1	< 0.001	< 0.1	< 0.1
Method Blank		0.04	< 0.1	< 1	< 100	1	< 1	< 0.1	< 0.01	< 0.1	< 1	< 0.2	6	< 0.1	< 0.1	< 0.01	< 0.1	< 0.01	0.3	< 0.1	< 0.001	< 0.1	< 0.1
Method Blank		0.04	< 0.1	< 1	< 100	1	< 1	< 0.1	< 0.01	< 0.1	< 1	< 0.2	6	< 0.1	< 0.1	< 0.01	< 0.1	< 0.01	0.3	< 0.1	< 0.001	< 0.1	< 0.1
Method Blank		0.01	< 0.1	< 1	< 100	< 1	< 1	< 0.1	< 0.01	< 0.1	< 1	< 0.2	4	1.3	< 0.1	< 0.01	< 0.1	< 0.01	0.3	< 0.1	< 0.001	< 0.1	< 0.1
Method Blank		0.01	< 0.1	< 1	< 100	< 1	< 1	< 0.1	< 0.01	< 0.1	< 1	< 0.2	4	1.3	< 0.1	< 0.01	< 0.1	< 0.01	0.3	< 0.1	< 0.001	< 0.1	< 0.1
Method Blank		< 0.01	< 0.1	< 1	< 100	< 1	< 1	< 0.1	< 0.01	< 0.1	< 1	< 0.2	16	0.2	< 0.1	< 0.01	< 0.1	< 0.01	< 0.1	< 0.1	< 0.001	< 0.1	< 0.1
Method Blank		< 0.01	< 0.1	< 1	< 100	< 1	< 1	< 0.1	< 0.01	< 0.1	< 1	< 0.2	16	0.2	< 0.1	< 0.01	< 0.1	< 0.01	< 0.1	< 0.1	< 0.001	< 0.1	< 0.1
Method Blank		< 0.01	< 0.1	< 1	< 100	< 1	< 1	< 0.1	< 0.01	< 0.1	< 1	< 0.2	1	< 0.1	< 0.1	< 0.01	< 0.1	< 0.01	< 0.1	< 0.1	< 0.001	< 0.1	< 0.1
Method Blank		< 0.01	< 0.1	< 1	< 100	< 1	< 1	< 0.1	< 0.01	< 0.1	< 1	< 0.2	1	< 0.1	< 0.1	< 0.01	< 0.1	< 0.01	< 0.1	< 0.1	< 0.001	< 0.1	< 0.1
Method Blank	< 0.1																						
Method Blank	< 0.1																						
Method Blank	< 0.1																						
Method Blank	< 0.1																						
Method Blank	< 0.1																						
Method Blank	< 0.1																						

Analyte Symbol	P	Rb	Pb	S	Mg	Mn	Mo	Sb	Sc	Sn	Sr	Ta	Th	Ti	Tl	U	V	W	Y	Zn	Zr
Unit Symbol	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.1	0.1	1	0.01	1	0.1	0.1	1	0.1	1	0.1	0.1	0.001	0.05	0.1	4	0.1	0.1	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
GXR-1 Meas	0.060	2.9	786	< 1	0.20	914	16.8	25.4	< 1	24.5	300	< 0.1	2.4	0.025	0.40	33.6	87	134	28.2	776	23.1
GXR-1 Cert	0.0650	14.0	730	0.257	0.217	852	18.0	122	1.58	54.0	275	0.175	2.44	0.036	0.390	34.9	80.0	164	32.0	760	38.0
GXR-1 Meas	0.060	2.9	786	< 1	0.20	914	16.8	25.4	< 1	24.5	300	< 0.1	2.4	0.025	0.40	33.6	87	134	28.2	776	23.1
GXR-1 Cert	0.0650	14.0	730	0.257	0.217	852	18.0	122	1.58	54.0	275	0.175	2.44	0.036	0.390	34.9	80.0	164	32.0	760	38.0
DH-1a Meas													840			2360					
DH-1a Cert													910			2629					
DH-1a Meas													863			2580					
DH-1a Cert													910			2629					
DH-1a Meas													863			2580					
DH-1a Cert													910			2629					
DH-1a Meas													840			2360					
DH-1a Cert													910			2629					
GXR-4 Meas	0.145	155	47.7	2	1.81	164	296	4.3	7	6.8	213	0.6	18.6	0.293	3.22	6.7	96	33.1	12.8	76	39.5
GXR-4 Cert	0.120	160	52.0	1.77	1.66	155	310	4.80	7.70	5.60	221	0.790	22.5	0.29	3.20	6.20	87.0	30.8	14.0	73.0	186
GXR-4 Meas	0.145	155	47.7	2	1.81	164	296	4.3	7	6.8	213	0.6	18.6	0.293	3.22	6.7	96	33.1	12.8	76	39.5
GXR-4 Cert	0.120	160	52.0	1.77	1.66	155	310	4.80	7.70	5.60	221	0.790	22.5	0.29	3.20	6.20	87.0	30.8	14.0	73.0	186
SDC-1 Meas	0.058	123	23.6		0.99	847		< 0.1	15	< 0.1	178	< 0.1	11.2	0.093	0.62	2.7	36	0.1		107	18.3
SDC-1 Cert	0.0690	127.00	25.00		1.02	880.00		0.54	17.00	3.00	180.00	1.20	12.00	0.606	0.70	3.10	102.00	0.80		103.00	290.00
SDC-1 Meas	0.060	125	24.0		1.05	902		< 0.1	13	0.2	176	< 0.1	10.7	0.144	0.62	2.8	45	0.1		106	32.7
SDC-1 Cert	0.0690	127.00	25.00		1.02	880.00		0.54	17.00	3.00	180.00	1.20	12.00	0.606	0.70	3.10	102.00	0.80		103.00	290.00
SDC-1 Meas	0.058	123	23.6		0.99	847		< 0.1	15	< 0.1	178	< 0.1	11.2	0.093	0.62	2.7	36	0.1		107	18.3
SDC-1 Cert	0.0690	127.00	25.00		1.02	880.00		0.54	17.00	3.00	180.00	1.20	12.00	0.606	0.70	3.10	102.00	0.80		103.00	290.00
SDC-1 Meas	0.060	125	24.0		1.05	902		< 0.1	13	0.2	176	< 0.1	10.7	0.144	0.62	2.8	45	0.1		106	32.7
SDC-1 Cert	0.0690	127.00	25.00		1.02	880.00		0.54	17.00	3.00	180.00	1.20	12.00	0.606	0.70	3.10	102.00	0.80		103.00	290.00
GXR-6 Meas	0.033	79.9	98.6	< 1	0.55	1040	0.1	< 0.1	25	< 0.1	33	< 0.1	4.7		2.19	1.4	125	< 0.1	11.0	135	65.9
GXR-6 Cert	0.0350	90.0	101	0.0160	0.609	1010	2.40	3.60	27.6	1.70	35.0	0.485	5.30		2.20	1.54	186	1.90	14.0	118	110
GXR-6 Meas	0.033	88.0	105	< 1	0.59	1120	0.2	0.3	25	0.4	36	< 0.1	4.9		2.20	1.5	110	0.1	12.2	133	59.4
GXR-6 Cert	0.0350	90.0	101	0.0160	0.609	1010	2.40	3.60	27.6	1.70	35.0	0.485	5.30		2.20	1.54	186	1.90	14.0	118	110
GXR-6 Meas	0.033	79.9	98.6	< 1	0.55	1040	0.1	< 0.1	25	< 0.1	33	< 0.1	4.7		2.19	1.4	125	< 0.1	11.0	135	65.9
GXR-6 Cert	0.0350	90.0	101	0.0160	0.609	1010	2.40	3.60	27.6	1.70	35.0	0.485	5.30		2.20	1.54	186	1.90	14.0	118	110
GXR-6 Meas	0.033	88.0	105	< 1	0.59	1120	0.2	0.3	25	0.4	36	< 0.1	4.9		2.20	1.5	110	0.1	12.2	133	59.4
GXR-6 Cert	0.0350	90.0	101	0.0160	0.609	1010	2.40	3.60	27.6	1.70	35.0	0.485	5.30		2.20	1.54	186	1.90	14.0	118	110
DNC-1a Meas		3.7	5.6					0.2	29		144			0.289			148		15.1	68	36.2
DNC-1a Cert		5	6.3					0.96	31		144			0.29			148		18.0	70	38.0
DNC-1a Meas		3.7	5.1					0.2	29		143			0.300			154		15.5	65	39.0
DNC-1a Cert		5	6.3					0.96	31		144			0.29			148		18.0	70	38.0
DNC-1a Meas		3.7	5.6					0.2	29		144			0.289			148		15.1	68	36.2
DNC-1a Cert		5	6.3					0.96	31		144			0.29			148		18.0	70	38.0
DNC-1a Meas		3.7	5.1					0.2	29		143			0.300			154		15.5	65	39.0
DNC-1a Cert		5	6.3					0.96	31		144			0.29			148		18.0	70	38.0
SBC-1 Meas		121	33.9				1.9	1.0	19	3.1	164	0.7	14.0	0.475	0.85	5.5	215	1.5	27.3	194	108
SBC-1 Cert		147	35.0				2.4	1.01	20.0	3.3	178.0	1.10	15.8	0.51	0.89	5.76	220.0	1.60	36.5	186	134.0

Analyte Symbol	P	Rb	Pb	S	Mg	Mn	Mo	Sb	Sc	Sn	Sr	Ta	Th	Ti	Tl	U	V	W	Y	Zn	Zr
Unit Symbol	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.1	0.1	1	0.01	1	0.1	0.1	1	0.1	1	0.1	0.1	0.001	0.05	0.1	4	0.1	0.1	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
SBC-1 Meas		154	34.8				2.9	1.1	20	3.2	182	0.7	15.0	0.559	0.91	6.1	249	1.6	30.0	194	125
SBC-1 Cert		147	35.0				2.4	1.01	20.0	3.3	178.0	1.10	15.8	0.51	0.89	5.76	220.0	1.60	36.5	186	134.0
SBC-1 Meas		121	33.9				1.9	1.0	19	3.1	164	0.7	14.0	0.475	0.85	5.5	215	1.5	27.3	194	108
SBC-1 Cert		147	35.0				2.4	1.01	20.0	3.3	178.0	1.10	15.8	0.51	0.89	5.76	220.0	1.60	36.5	186	134.0
SBC-1 Meas		154	34.8				2.9	1.1	20	3.2	182	0.7	15.0	0.559	0.91	6.1	249	1.6	30.0	194	125
SBC-1 Cert		147	35.0				2.4	1.01	20.0	3.3	178.0	1.10	15.8	0.51	0.89	5.76	220.0	1.60	36.5	186	134.0
OREAS 45d (4-Acid) Meas	0.035	39.7	20.6	< 1	0.22	501	0.6	< 0.1	49	2.7	31	< 0.1	12.4	0.413	0.24	2.8	158	0.1	10.1	41	96.2
OREAS 45d (4-Acid) Cert	0.042	42.1	21.8	0.049	0.245	490.000	2.500	0.82	49.30	2.78	31.30	1.02	14.5	0.773	0.27	2.63	235.0	1.62	9.53	45.7	141
OREAS 45d (4-Acid) Meas	0.035	39.7	20.6	< 1	0.22	501	0.6	< 0.1	49	2.7	31	< 0.1	12.4	0.413	0.24	2.8	158	0.1	10.1	41	96.2
OREAS 45d (4-Acid) Cert	0.042	42.1	21.8	0.049	0.245	490.000	2.500	0.82	49.30	2.78	31.30	1.02	14.5	0.773	0.27	2.63	235.0	1.62	9.53	45.7	141
SdAR-M2 (U.S.G.S.) Meas		156	793				8.1		3		140	0.1	13.2			2.5	23	0.1	23.7	772	112
SdAR-M2 (U.S.G.S.) Cert		149	808				13		4.1		144	1.8	14.2			2.53	25.2	2.8	32.7	760	259
SdAR-M2 (U.S.G.S.) Meas		156	793				8.1		3		140	0.1	13.2			2.5	23	0.1	23.7	772	112
SdAR-M2 (U.S.G.S.) Cert		149	808				13		4.1		144	1.8	14.2			2.53	25.2	2.8	32.7	760	259
410437 Orig	0.014	2.4	0.2	< 1	8.55	1060	0.6	< 0.1	21	0.3	257	< 0.1	0.1	0.239	< 0.05	6.2	146	0.2	5.5	55	22.6
410437 Dup	0.012	2.5	0.1	< 1	8.43	1060	0.8	< 0.1	22	0.3	255	< 0.1	0.1	0.231	< 0.05	9.7	150	0.2	5.5	56	22.6
410442 Orig	0.027	21.3	0.9	< 1	6.87	895	3.5	0.6	24	0.7	162	< 0.1	1.5	0.282	0.11	0.5	162	0.7	7.3	44	50.6
410442 Dup	0.026	21.3	0.8	< 1	6.74	879	3.6	0.8	25	0.7	157	< 0.1	1.5	0.282	0.11	0.5	166	2.1	7.2	44	52.1
410473 Orig	0.039	43.4	3.8	< 1	0.61	747	6.7	< 0.1	7	1.3	200	0.1	2.7	0.208	0.16	1.0	20	0.3	18.3	43	99.8
410473 Dup	0.040	46.3	4.0	< 1	0.64	772	5.8	< 0.1	7	1.4	217	< 0.1	3.0	0.198	0.16	1.1	18	0.1	19.5	46	99.4
410483 Orig	0.060	19.7	4.3	< 1	1.66	1310	0.6	0.3	20	0.3	201	< 0.1	0.8	0.346	0.16	0.4	122	1.3	14.3	88	18.8
410483 Dup	0.057	23.9	4.3	< 1	1.62	1240	0.5	0.3	23	0.3	202	< 0.1	1.0	0.244	0.15	0.4	90	1.0	15.0	86	15.0
410485 Orig	0.083	26.3	1.8	< 1	2.18	1390	1.5	1.2	18	1.2	157	0.6	0.8	0.850	0.27	0.6	249	1.3	13.4	69	25.5
410485 Dup	0.077	48.3	2.0	< 1	2.24	1350	< 0.1	< 0.1	23	< 0.1	159	< 0.1	1.6	0.237	0.27	0.6	113	0.5	18.3	76	19.6
410512 Orig	0.092	21.8	1.7	2	1.60	592	1.4	0.3	16	1.5	204	< 0.1	0.7	0.571	0.17	1.0	146	0.1	18.2	33	91.4
410512 Dup	0.092	25.3	1.6	2	1.61	579	1.0	0.1	18	1.4	203	< 0.1	0.8	0.499	0.16	1.0	125	0.1	19.5	33	87.3
410537 Orig	0.093	41.0	2.0	< 1	2.58	940	< 0.1	< 0.1	28	< 0.1	203	< 0.1	1.6	0.223	0.20	1.2	162	< 0.1	22.1	66	51.2
410537 Dup	0.092	43.7	2.0	< 1	2.57	893	< 0.1	< 0.1	28	0.2	196	< 0.1	1.6	0.144	0.20	1.2	114	< 0.1	21.7	65	31.2
410555 Orig	0.101	25.7	1.1	< 1	2.24	1370	< 0.1	< 0.1	24	< 0.1	394	< 0.1	1.9	0.179	0.12	0.8	80	< 0.1	27.1	105	59.7
410555 Dup	0.097	27.8	1.1	< 1	2.29	1420	< 0.1	< 0.1	26	< 0.1	400	< 0.1	2.1	0.160	0.12	0.8	62	< 0.1	28.2	113	35.9
410575 Orig	0.032	34.4	5.5	< 1	0.33	786	8.1	0.3	3	1.3	141	0.6	1.7	0.199	0.13	1.8	17	0.8	11.8	42	95.9
410575 Dup	0.033	39.2	5.5	< 1	0.35	770	7.6	0.2	6	1.2	161	0.2	3.5	0.186	0.14	1.8	16	0.5	17.6	42	103
410602 Orig	0.021	< 0.1	0.3	< 1	8.41	1110	0.7	< 0.1	23	< 0.1	173	< 0.1	0.1	0.234	< 0.05	0.2	160	5.0	6.7	68	36.2
410602 Dup	0.022	< 0.1	0.3	< 1	8.24	1120	0.5	< 0.1	24	< 0.1	168	< 0.1	0.2	0.239	< 0.05	0.1	157	2.8	6.6	67	34.2
410605 Orig	0.126	7.4	4.8	< 1	2.67	786	0.2	0.2	15	0.9	224	< 0.1	2.0	0.299	0.06	0.9	86	0.5	16.8	72	84.2
410605 Dup	0.124	8.6	5.3	< 1	2.84	774	0.3	0.2	17	0.7	236	< 0.1	2.3	0.280	0.07	1.0	76	0.5	17.9	74	70.4

Analyte Symbol	P	Rb	Pb	S	Mg	Mn	Mo	Sb	Sc	Sn	Sr	Ta	Th	Ti	Tl	U	V	W	Y	Zn	Zr
Unit Symbol	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.1	0.1	1	0.01	1	0.1	0.1	1	0.1	1	0.1	0.1	0.001	0.05	0.1	4	0.1	0.1	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
Method Blank	< 0.001	< 0.1	< 0.1	< 1	< 0.01	18	< 0.1	< 0.1	< 1	< 0.1	< 1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.1	< 4	< 0.1	< 0.1	1	0.1
Method Blank	< 0.001	< 0.1	< 0.1	< 1	< 0.01	18	< 0.1	< 0.1	< 1	< 0.1	< 1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.1	< 4	< 0.1	< 0.1	1	0.1
Method Blank	< 0.001	0.2	< 0.1	< 1	< 0.01	16	0.2	< 0.1	< 1	< 0.1	< 1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.1	< 4	< 0.1	< 0.1	1	0.2
Method Blank	< 0.001	0.2	< 0.1	< 1	< 0.01	16	0.2	< 0.1	< 1	< 0.1	< 1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.1	< 4	< 0.1	< 0.1	1	0.2
Method Blank	< 0.001	< 0.1	< 0.1	< 1	< 0.01	23	0.8	< 0.1	< 1	< 0.1	< 1	< 0.1	0.1	< 0.001	< 0.05	< 0.1	< 4	< 0.1	0.2	4	0.3
Method Blank	< 0.001	< 0.1	< 0.1	< 1	< 0.01	23	0.8	< 0.1	< 1	< 0.1	< 1	< 0.1	0.1	< 0.001	< 0.05	< 0.1	< 4	< 0.1	0.2	4	0.3
Method Blank	< 0.001	< 0.1	< 0.1	< 1	< 0.01	5	0.7	< 0.1	< 1	< 0.1	< 1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.1	< 4	0.1	< 0.1	< 1	0.1
Method Blank	< 0.001	< 0.1	< 0.1	< 1	< 0.01	5	0.7	< 0.1	< 1	< 0.1	< 1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.1	< 4	0.1	< 0.1	< 1	0.1
Method Blank	< 0.001	< 0.1	< 0.1	< 1	< 0.01	15	< 0.1	< 0.1	< 1	< 0.1	< 1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.1	< 4	< 0.1	< 0.1	< 1	0.5
Method Blank	< 0.001	< 0.1	< 0.1	< 1	< 0.01	15	< 0.1	< 0.1	< 1	< 0.1	< 1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.1	< 4	< 0.1	< 0.1	< 1	0.5
Method Blank	< 0.001	< 0.1	< 0.1	< 1	< 0.01	5	< 0.1	< 0.1	< 1	< 0.1	< 1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.1	< 4	0.1	< 0.1	< 1	< 0.1
Method Blank	< 0.001	< 0.1	< 0.1	< 1	< 0.01	5	< 0.1	< 0.1	< 1	< 0.1	< 1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.1	< 4	0.1	< 0.1	< 1	< 0.1
Method Blank																					
Method Blank																					
Method Blank																					
Method Blank																					
Method Blank																					
Method Blank																					

Quality Analysis ... *Innovative Technologies*

Date Submitted: 19-Sep-17
Invoice No.: A17-10229
Invoice Date: 01-Nov-17
Your Reference: SG17-1339 39185-C TRUE NORTH NICKE

Techni-Lab Abitibi Inc.(Actlabs)
184 Rue Principale
Ste-Germaine-Boule Quebec J0Z 1M0
Canada

ATTN: Andre Caouette

CERTIFICATE OF ANALYSIS

143 Pulp samples were submitted for analysis.

The following analytical package(s) were requested: Code UT-4M Total Digestion ICP/MS

REPORT **A17-10229**

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:

Any values for Au are for informational purposes and should be checked by fire assay code 1A2

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
41 Bittern Street, Ancaster, Ontario, Canada, L9G 4V5
TELEPHONE +905 648-9611 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Ancaster@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Te	Cu	Pb	Zn	Al	Ag	As	Au	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Cs	Fe	Hf	K	La	Li
Unit Symbol	ppm	%	%	%	%	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm
Lower Limit	0.1	0.005	0.01	0.01	0.01	0.1	1	100	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.1	0.01	0.1	0.01	0.1	0.1
Method Code	TD-MS	FUS-Na2O2	FUS-Na2O2	FUS-Na2O2	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
410626	< 0.1				6.76	< 0.1	5	< 100	240	< 1	0.3	3.97	0.2	12	34.4	69	83.7	1.2	7.45	1.4	0.95	4.4	9.2
410627	< 0.1				7.96	< 0.1	4	< 100	237	< 1	0.7	4.02	0.1	17	38.3	71	109	1.1	7.90	1.7	0.76	6.7	10.1
410628	< 0.1				8.42	< 0.1	3	< 100	260	< 1	1.2	3.38	< 0.1	23	26.4	63	56.4	0.6	10.5	1.5	0.57	9.2	19.9
410629	0.3				4.89	0.2	17	200	89	< 1	2.5	1.80	< 0.1	9	97.4	85	342	0.4	12.7	1.1	0.58	3.1	14.3
410630 BLC	< 0.1				7.09	< 0.1	< 1	< 100	405	1	< 0.1	1.81	< 0.1	19	5.8	182	10.1	0.8	1.49	1.5	1.31	8.9	8.2
410631	< 0.1				9.04	< 0.1	4	< 100	266	< 1	2.0	4.20	< 0.1	24	35.5	55	111	0.7	10.1	0.9	0.79	9.6	15.4
410632	< 0.1				8.75	< 0.1	2	< 100	252	< 1	0.9	3.04	< 0.1	26	15.8	39	103	0.6	12.6	0.7	0.93	11.0	16.4
410633	< 0.1				8.54	< 0.1	< 1	> 2000	151	< 1	0.3	2.61	< 0.1	25	20.3	49	77.3	0.3	11.7	0.6	0.62	9.7	14.2
410634	< 0.1				8.67	< 0.1	5	< 100	162	< 1	0.4	6.49	< 0.1	20	25.8	39	37.5	0.3	7.55	0.4	0.86	8.1	13.9
410635	< 0.1				9.15	< 0.1	6	< 100	260	< 1	0.4	4.89	< 0.1	20	24.6	32	101	0.6	8.33	0.7	1.59	8.2	17.9
410636	< 0.1				8.36	0.1	5	< 100	208	< 1	1.5	2.86	< 0.1	21	13.3	46	195	0.5	11.4	0.8	0.96	8.5	14.6
410637	0.1				7.54	0.3	2060	200	163	< 1	2.3	1.62	< 0.1	19	37.0	37	302	0.3	11.7	1.6	0.60	6.9	13.8
410638	< 0.1				9.00	< 0.1	7	< 100	279	< 1	0.9	1.63	< 0.1	26	20.6	60	136	0.4	10.7	2.1	0.80	10.2	16.8
410639	< 0.1				8.49	< 0.1	4	< 100	263	< 1	0.7	3.15	< 0.1	28	30.3	55	84.4	0.4	9.90	2.2	0.54	11.4	20.1
410640	< 0.1				5.10	< 0.1	4	< 100	271	< 1	0.4	3.00	< 0.1	15	26.8	66	68.5	0.3	9.20	2.4	0.50	5.5	18.2
410641	< 0.1				8.12	< 0.1	9	< 100	207	< 1	0.7	1.76	< 0.1	23	26.6	81	115	0.4	12.4	1.4	0.46	9.3	23.3
410642	< 0.1				8.97	< 0.1	10	< 100	469	< 1	0.1	3.27	< 0.1	39	17.8	66	2.1	0.5	6.93	2.9	1.21	17.4	17.4
410643	< 0.1				7.39	0.1	212	< 100	55	< 1	0.6	1.32	< 0.1	18	33.4	62	107	0.4	18.1	1.2	0.19	6.9	19.9
410644	< 0.1				7.92	0.1	10	< 100	293	< 1	1.2	3.43	0.4	20	30.5	59	199	0.6	12.4	0.8	1.07	7.6	24.7
410645	< 0.1				7.09	< 0.1	1	< 100	163	< 1	0.7	7.95	0.2	14	37.0	109	93.1	0.4	7.98	0.6	0.81	5.3	14.4
410646	< 0.1				7.22	0.1	21	< 100	173	< 1	0.5	6.75	0.6	17	37.4	112	86.6	0.5	8.00	0.7	1.05	6.4	13.2
410647	< 0.1				6.71	0.1	1280	200	205	< 1	2.2	2.71	< 0.1	26	58.2	94	179	0.5	13.1	0.8	1.04	9.9	18.1
410648	0.7				7.85	0.7	9490	> 2000	197	< 1	4.6	1.18	0.2	24	317	79	783	0.4	13.9	0.6	1.02	9.7	16.9
410649	< 0.1				7.74	< 0.1	153	< 100	317	< 1	0.9	0.97	< 0.1	35	11.2	50	99.7	0.5	10.5	1.2	1.35	14.8	13.4
410650 MR	0.6	1.77			2.74	2.3	511	1000	55	< 1	13.2	3.33	< 0.1	51	654	32	> 10000	0.6	25.6	2.8	2.28	34.1	13.0
410651	0.3				7.44	5.1	5790	> 2000	120	< 1	8.1	0.87	5.8	24	138	66	4130	0.4	15.4	1.6	0.48	10.5	13.6
410652	0.3				7.50	1.1	3880	200	491	< 1	9.3	0.81	0.1	45	144	39	109	0.5	9.44	2.6	1.59	18.7	9.9
410653	< 0.1				7.66	0.3	15	200	396	< 1	0.5	0.94	< 0.1	39	9.8	59	384	0.3	10.6	3.0	0.89	15.5	10.7
410654	< 0.1				6.46	< 0.1	6	< 100	220	< 1	0.2	6.23	< 0.1	108	51.2	506	48.7	0.2	7.31	3.3	0.25	42.4	30.5
410655	< 0.1				7.14	0.5	101	200	424	< 1	0.4	1.53	0.1	46	17.6	149	573	0.3	11.7	3.8	0.70	18.5	19.7
410656	< 0.1				8.29	0.1	69	< 100	242	< 1	1.1	3.04	< 0.1	29	22.9	64	189	0.3	15.0	0.8	0.48	11.9	18.7
410657	< 0.1				6.65	< 0.1	5	< 100	249	1	0.3	3.16	< 0.1	32	20.8	114	171	0.3	10.5	2.3	0.30	12.2	9.6
410658	< 0.1				8.10	< 0.1	2	< 100	526	< 1	0.2	3.26	< 0.1	40	21.5	57	91.6	0.6	9.28	2.9	1.20	16.7	23.0
410659	< 0.1				7.38	< 0.1	34	< 100	242	< 1	0.5	4.93	< 0.1	46	32.6	115	54.1	1.1	7.66	1.5	1.32	19.5	10.2
410660 BLC	< 0.1				6.44	< 0.1	< 1	< 100	387	1	< 0.1	1.80	< 0.1	18	5.3	166	7.9	0.7	1.48	1.3	1.24	8.4	8.0
410661	< 0.1				5.70	< 0.1	136	100	379	< 1	0.1	9.55	0.2	54	31.9	128	53.1	0.8	7.55	0.9	1.67	22.4	5.7
410662	< 0.1				6.60	< 0.1	76	< 100	275	< 1	< 0.1	6.57	0.1	34	36.4	91	3.0	0.8	6.48	1.2	1.34	14.4	6.3
410663	< 0.1				8.33	< 0.1	4	< 100	104	< 1	< 0.1	7.04	< 0.1	43	45.1	101	46.6	0.3	7.66	1.9	0.38	18.1	17.4
410664	< 0.1				8.06	< 0.1	2	< 100	75	< 1	< 0.1	7.46	0.1	47	41.5	86	4.0	0.2	7.80	2.0	0.22	20.3	13.3
410665	< 0.1				6.05	< 0.1	49	< 100	167	1	< 0.1	7.16	0.1	76	36.3	149	58.3	0.4	8.20	2.1	0.53	31.8	16.7
410666	< 0.1				8.74	< 0.1	3	< 100	286	< 1	< 0.1	6.10	0.3	28	25.7	77	71.7	0.1	7.44	1.5	0.39	11.4	8.8

Analyte Symbol	Te	Cu	Pb	Zn	Al	Ag	As	Au	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Cs	Fe	Hf	K	La	Li
Unit Symbol	ppm	%	%	%	%	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm
Lower Limit	0.1	0.005	0.01	0.01	0.01	0.1	1	100	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.1	0.01	0.1	0.01	0.1	0.1
Method Code	TD-MS	FUS-Na2O2	FUS-Na2O2	FUS-Na2O2	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
410667	< 0.1				9.56	< 0.1	1	< 100	629	< 1	0.1	5.84	0.1	32	28.3	58	121	0.2	7.42	1.3	0.60	13.4	12.6
410668	< 0.1				6.26	0.2	1340	< 100	319	< 1	0.1	6.96	0.2	14	29.3	55	97.4	0.6	6.49	1.0	1.05	5.4	16.1
410669	< 0.1				8.15	< 0.1	4	< 100	194	< 1	0.2	7.45	0.1	25	34.2	58	129	0.3	8.57	0.7	0.50	10.6	14.6
410670	< 0.1				8.07	< 0.1	< 1	< 100	192	< 1	0.2	6.83	0.2	27	36.7	69	188	0.3	9.53	0.8	0.48	11.5	14.3
410671	< 0.1				8.21	< 0.1	< 1	< 100	449	< 1	0.1	6.10	0.2	29	32.8	53	119	0.2	7.80	0.6	0.62	12.5	14.4
410672	< 0.1				8.39	< 0.1	< 1	< 100	482	< 1	< 0.1	7.32	0.1	32	25.2	48	137	0.2	7.19	0.6	0.93	13.9	8.7
410673	< 0.1				8.64	< 0.1	19	< 100	382	< 1	0.1	6.45	0.3	30	22.5	33	79.1	1.4	6.51	0.9	2.36	13.0	13.8
410674	< 0.1				7.34	< 0.1	42	< 100	251	< 1	< 0.1	6.83	< 0.1	16	47.8	248	60.1	0.5	7.29	0.7	1.27	6.0	24.7
410675	< 0.1				8.61	< 0.1	4	< 100	231	< 1	< 0.1	4.99	< 0.1	26	23.8	86	79.1	0.3	6.24	1.0	0.52	11.0	14.1
410676	< 0.1				7.74	< 0.1	< 1	< 100	280	< 1	< 0.1	5.21	< 0.1	26	22.9	49	57.8	0.2	6.86	1.0	0.64	10.0	11.8
410677	< 0.1				8.48	< 0.1	1	< 100	223	< 1	< 0.1	5.52	< 0.1	31	24.4	34	95.2	0.2	6.80	1.0	0.66	13.0	10.7
410678	< 0.1				8.32	< 0.1	< 1	< 100	261	< 1	0.1	6.91	< 0.1	33	26.0	50	64.3	0.2	7.00	0.9	0.83	14.3	13.7
410679	0.4				5.51	0.1	3	< 100	589	< 1	< 0.1	5.81	< 0.1	8	31.2	87	84.8	0.3	6.95	0.5	1.34	3.3	21.1
410680 MR	0.5	3.07	0.63	2.40	3.83	42.6	115	1000	13	< 1	21.3	1.46	136	30	260	42	> 10000	1.2	16.3	3.1	0.98	11.8	9.3
410681	< 0.1				7.40	< 0.1	11	< 100	397	1	0.2	1.73	< 0.1	41	4.6	87	8.6	0.8	3.28	4.2	1.67	21.0	10.6
410682	< 0.1				8.69	< 0.1	< 1	< 100	422	1	0.8	4.54	< 0.1	44	19.8	59	50.4	2.1	9.53	1.2	2.16	19.3	20.2
410683	< 0.1				8.07	< 0.1	3	< 100	554	1	0.8	3.77	< 0.1	49	28.9	56	169	3.3	11.5	1.6	2.61	20.8	23.3
410684	< 0.1				8.23	< 0.1	< 1	< 100	378	< 1	0.2	3.67	< 0.1	49	30.0	53	160	3.3	12.3	1.9	2.51	20.9	27.1
410685	0.1				7.86	0.1	< 1	< 100	107	< 1	0.2	6.84	< 0.1	20	32.2	62	91.7	0.4	7.64	1.0	1.62	8.3	19.1
410686	< 0.1				9.00	< 0.1	2	< 100	496	< 1	0.1	4.32	0.2	14	35.6	100	90.4	0.3	9.44	0.5	1.05	5.3	20.4
410687	< 0.1				8.77	< 0.1	4	< 100	338	< 1	0.2	5.20	0.2	22	31.5	46	79.6	0.2	8.26	0.7	0.79	8.9	15.4
410688	< 0.1				9.00	< 0.1	2	< 100	274	< 1	0.1	5.76	0.1	26	34.1	68	121	0.7	8.23	0.4	1.10	10.9	17.2
410689	< 0.1				8.43	< 0.1	2	< 100	131	< 1	0.1	7.44	< 0.1	34	42.2	140	73.8	0.2	8.34	0.5	0.33	13.6	15.8
410690 BLC	< 0.1				6.93	< 0.1	< 1	< 100	399	1	< 0.1	1.80	< 0.1	19	5.9	176	29.5	0.7	1.51	0.2	1.33	8.7	8.5
410691	< 0.1				8.21	< 0.1	< 1	< 100	157	< 1	< 0.1	7.23	< 0.1	29	50.0	194	58.1	0.2	7.35	0.7	0.57	11.1	17.9
410692	< 0.1				6.70	< 0.1	2	< 100	127	< 1	< 0.1	6.41	< 0.1	25	59.0	289	59.1	0.2	7.53	1.0	0.49	9.9	18.9
410693	< 0.1				7.00	< 0.1	4	< 100	405	< 1	< 0.1	6.81	0.2	39	48.2	199	50.7	0.4	7.34	0.7	0.82	15.4	27.7
410694	< 0.1				7.95	< 0.1	< 1	< 100	299	< 1	< 0.1	5.90	< 0.1	39	47.2	211	7.9	0.3	7.83	1.6	0.59	15.9	26.7
410695 MR	4.0				6.19	9.8	13	> 2000	385	1	< 0.1	4.85	0.4	26	12.4	29	71.9	4.5	3.43	2.0	1.97	12.1	47.8
410696	0.1				6.12	< 0.1	< 1	< 100	308	3	< 0.1	2.43	< 0.1	98	21.5	118	310	0.2	3.69	6.9	0.61	43.1	5.2
410697	< 0.1				7.47	< 0.1	< 1	< 100	370	3	0.1	2.98	< 0.1	116	11.6	76	160	0.2	4.38	2.5	0.68	52.0	7.4
410698	< 0.1				8.38	< 0.1	< 1	< 100	209	2	< 0.1	6.41	0.1	43	36.2	84	105	0.1	9.43	0.7	0.37	18.5	17.3
410699	< 0.1				7.97	< 0.1	< 1	< 100	172	1	< 0.1	8.18	0.2	42	38.7	64	109	< 0.1	8.38	0.5	0.31	18.2	14.4
410700	< 0.1				8.45	< 0.1	< 1	< 100	163	1	< 0.1	8.98	0.2	45	38.4	64	105	< 0.1	8.65	0.7	0.31	19.0	12.8
410701	< 0.1				8.14	< 0.1	< 1	< 100	188	< 1	< 0.1	7.00	0.1	45	35.4	69	96.8	0.1	8.79	0.6	0.43	19.6	17.7
410702	< 0.1				8.25	< 0.1	< 1	< 100	319	< 1	< 0.1	6.84	< 0.1	39	36.1	64	135	0.2	7.83	0.9	0.70	16.6	14.8
410703	< 0.1				7.78	0.1	2	< 100	370	< 1	< 0.1	7.07	0.1	41	36.8	61	136	0.3	8.14	0.7	1.09	17.7	15.1
410704	< 0.1				8.92	< 0.1	< 1	< 100	192	1	< 0.1	7.18	0.1	50	34.6	55	68.1	1.1	9.15	0.8	0.36	21.1	9.2
410705	< 0.1				9.09	< 0.1	< 1	300	203	1	< 0.1	7.12	< 0.1	45	32.3	58	105	0.3	8.68	0.6	0.56	19.3	12.8
410706	< 0.1				6.51	< 0.1	< 1	< 100	429	1	< 0.1	5.32	< 0.1	35	29.0	56	125	0.2	8.66	2.0	0.42	15.3	15.7
410707	< 0.1				9.05	< 0.1	< 1	< 100	251	1	< 0.1	6.58	0.2	50	33.5	56	98.1	0.2	9.53	1.0	0.29	21.1	10.2
410708	< 0.1				7.89	0.1	99	< 100	480	< 1	0.2	6.98	0.5	44	35.4	56	206	1.4	8.17	0.6	2.01	18.4	13.9

Analyte Symbol	Te	Cu	Pb	Zn	Al	Ag	As	Au	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Cs	Fe	Hf	K	La	Li
Unit Symbol	ppm	%	%	%	%	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm
Lower Limit	0.1	0.005	0.01	0.01	0.01	0.1	1	100	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.1	0.01	0.1	0.01	0.1	0.1
Method Code	TD-MS	FUS-Na2O2	FUS-Na2O2	FUS-Na2O2	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
410709	< 0.1				7.86	0.2	< 1	< 100	166	1	0.2	9.01	0.2	47	35.6	49	301	0.3	8.10	0.6	0.51	19.8	15.2
410710 MR	0.2				6.25	1.1	4	1000	80	< 1	6.4	3.67	< 0.1	19	18.3	44	4700	24.2	23.7	0.6	1.92	9.7	99.4
410711	< 0.1				9.42	< 0.1	2	< 100	258	< 1	0.1	6.08	0.3	28	28.4	62	176	0.4	7.22	0.7	1.06	12.0	18.7
410712	< 0.1				10.1	< 0.1	< 1	< 100	220	< 1	< 0.1	5.98	0.3	27	25.8	39	92.9	0.2	6.77	0.6	0.63	11.1	12.7
410713	< 0.1				7.97	0.2	< 1	< 100	250	< 1	0.1	8.80	0.3	45	45.4	55	284	0.2	8.24	0.9	0.66	18.7	12.4
410714	< 0.1				9.05	< 0.1	< 1	< 100	312	1	< 0.1	6.26	0.8	35	24.1	39	102	0.2	7.35	1.1	0.71	14.8	11.8
410715	< 0.1				9.03	< 0.1	2	< 100	391	< 1	< 0.1	6.86	0.2	24	30.9	54	73.4	0.9	6.86	1.3	1.87	10.3	20.5
410716	< 0.1				7.34	< 0.1	< 1	< 100	1030	< 1	< 0.1	5.96	< 0.1	55	39.5	247	33.2	0.4	6.87	2.3	1.54	25.9	10.4
410717	< 0.1				8.67	< 0.1	1	< 100	305	< 1	< 0.1	7.34	0.1	41	24.0	94	36.5	0.1	6.68	1.7	0.36	18.0	7.7
410718	< 0.1				7.09	0.2	7	< 100	208	< 1	0.2	7.95	0.1	18	26.7	112	249	0.3	5.82	0.9	0.63	7.6	9.3
410719	< 0.1				10.2	< 0.1	1	< 100	428	< 1	< 0.1	6.45	0.3	24	27.4	70	57.5	0.2	6.42	0.9	0.48	10.3	11.1
410720 BLC	< 0.1				6.84	< 0.1	< 1	< 100	405	1	< 0.1	1.83	< 0.1	20	5.6	126	8.8	0.7	1.51	1.2	1.38	9.1	8.9
410721	< 0.1				9.73	< 0.1	< 1	< 100	269	< 1	< 0.1	6.12	0.2	40	23.0	42	56.9	0.3	6.79	1.8	0.38	16.8	13.8
410722	< 0.1				9.82	< 0.1	2	< 100	506	< 1	< 0.1	4.65	0.2	36	29.9	56	132	0.2	6.27	2.5	0.65	14.6	12.9
410723	< 0.1				8.81	< 0.1	2	< 100	234	< 1	< 0.1	4.64	< 0.1	38	21.0	44	39.0	0.5	6.01	2.8	0.58	15.4	9.1
410724	< 0.1				9.18	< 0.1	< 1	< 100	72	< 1	< 0.1	6.77	< 0.1	12	48.0	146	29.4	0.1	6.98	0.8	0.16	5.3	26.2
410725	< 0.1				6.66	< 0.1	1	< 100	70	< 1	< 0.1	6.88	0.1	8	42.9	202	80.9	< 0.1	6.66	0.8	0.11	3.5	17.0
410726	< 0.1				8.45	< 0.1	< 1	< 100	169	< 1	< 0.1	6.41	< 0.1	13	36.8	149	64.2	1.1	6.16	0.7	0.89	5.6	15.6
410727	< 0.1				8.21	< 0.1	9	< 100	238	< 1	< 0.1	6.55	< 0.1	14	31.0	126	40.7	1.3	5.87	0.6	1.17	5.7	19.8
410728	< 0.1				7.47	< 0.1	< 1	< 100	266	< 1	< 0.1	6.37	< 0.1	12	34.8	102	46.6	0.9	5.57	0.4	1.19	5.2	15.4
410729	< 0.1				9.21	0.2	< 1	< 100	90	< 1	< 0.1	7.47	< 0.1	15	37.7	92	56.6	0.2	6.01	0.7	0.28	6.3	17.1
410730	< 0.1				9.54	0.1	< 1	< 100	130	< 1	< 0.1	6.73	0.1	19	32.9	59	120	0.2	6.78	0.7	0.39	7.8	13.0
410731	< 0.1				8.83	< 0.1	< 1	< 100	584	< 1	0.1	6.18	0.2	31	18.6	70	83.7	0.3	5.97	1.6	0.94	12.9	11.0
410732	< 0.1				8.74	< 0.1	2	< 100	127	< 1	< 0.1	7.09	< 0.1	16	36.6	75	50.9	0.1	6.92	0.9	0.24	6.7	12.0
410733	< 0.1				9.57	< 0.1	2	< 100	148	< 1	< 0.1	6.98	< 0.1	17	37.9	101	74.0	0.1	7.03	1.1	0.27	6.9	12.2
410734	< 0.1				10.1	< 0.1	< 1	< 100	143	< 1	< 0.1	6.24	< 0.1	11	32.9	56	40.8	0.2	5.59	0.7	0.51	4.8	18.7
410735	< 0.1				8.38	< 0.1	3	< 100	130	< 1	< 0.1	8.26	0.1	28	41.9	87	82.7	0.3	7.61	0.5	0.21	11.7	15.8
410736	< 0.1				7.62	< 0.1	4	< 100	298	< 1	< 0.1	5.92	0.2	21	27.6	50	80.1	0.2	6.70	1.6	0.52	7.6	11.8
410737	< 0.1				8.65	< 0.1	2	< 100	236	< 1	0.4	5.79	< 0.1	15	31.0	65	57.9	0.3	6.36	0.4	0.74	6.2	15.1
410738	< 0.1				9.62	< 0.1	2	< 100	174	< 1	1.6	5.82	0.1	34	26.0	56	43.6	0.2	6.80	1.4	0.50	14.9	13.2
410739	< 0.1				8.56	0.5	4	< 100	174	< 1	1.4	3.34	0.4	30	62.6	52	485	0.3	9.63	1.6	0.37	11.9	15.6
410740 MR	0.1				4.55	0.6	186	400	105	< 1	5.6	3.89	< 0.1	90	350	37	5590	0.6	19.4	3.1	2.88	71.4	14.9
410741	< 0.1				9.71	< 0.1	3	< 100	398	< 1	1.3	4.95	0.2	32	22.1	39	61.1	0.3	7.77	1.2	0.67	13.3	12.3
410742	< 0.1				9.06	< 0.1	2	100	245	< 1	0.1	5.59	0.1	31	28.1	49	70.2	0.3	6.79	1.6	0.67	12.8	14.6
410743	< 0.1				7.45	< 0.1	2	< 100	174	< 1	0.1	5.57	< 0.1	21	21.3	26	52.3	0.2	6.42	1.6	0.43	7.9	11.9
410744	< 0.1				7.62	< 0.1	8	< 100	313	< 1	< 0.1	5.25	0.3	26	25.3	138	86.9	0.4	6.09	2.8	0.81	10.6	6.5
410745	< 0.1				8.26	< 0.1	6	< 100	215	< 1	< 0.1	5.80	0.1	24	21.7	137	56.2	0.2	5.80	2.5	0.60	10.0	9.0
410746	< 0.1				8.15	< 0.1	8	100	326	< 1	0.1	3.92	0.1	24	23.6	123	78.2	0.3	5.48	1.8	0.80	10.1	10.5
410747	< 0.1				5.85	< 0.1	8	< 100	223	< 1	0.1	4.48	< 0.1	14	23.2	175	53.5	0.1	5.57	3.1	0.72	5.4	7.8
410748	< 0.1				7.63	< 0.1	2	< 100	286	< 1	< 0.1	5.29	< 0.1	26	25.3	71	38.1	0.3	8.55	2.1	0.75	9.9	7.8
410749	< 0.1				8.28	< 0.1	3	< 100	329	< 1	< 0.1	5.48	0.2	29	26.6	35	35.1	0.5	9.07	1.3	0.93	11.2	8.3

Analyte Symbol	Te	Cu	Pb	Zn	Al	Ag	As	Au	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Cs	Fe	Hf	K	La	Li
Unit Symbol	ppm	%	%	%	%	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm
Lower Limit	0.1	0.005	0.01	0.01	0.01	0.1	1	100	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.1	0.01	0.1	0.01	0.1	0.1
Method Code	TD-MS	FUS-Na2O2	FUS-Na2O2	FUS-Na2O2	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
410750 MR	0.5	3.07	0.64	2.38	4.32	42.5	98	1000	33	< 1	21.4	1.45	137	30	256	32	> 10000	1.2	16.4	3.0	0.94	12.2	9.8
410751	< 0.1				7.94	< 0.1	3	< 100	221	< 1	0.1	4.27	0.1	25	24.7	123	73.8	0.2	6.47	2.3	0.55	10.3	5.7
410752	< 0.1				8.42	< 0.1	7	< 100	296	< 1	< 0.1	4.44	< 0.1	26	21.6	127	76.0	0.2	5.38	2.8	0.62	10.7	6.6
410753	< 0.1				8.28	< 0.1	10	< 100	349	< 1	< 0.1	4.12	0.1	28	24.5	124	70.1	0.4	5.79	2.9	0.87	11.8	8.1
410754	< 0.1				7.86	< 0.1	2	< 100	293	< 1	< 0.1	4.72	0.1	25	21.9	113	79.0	0.3	5.72	2.1	0.91	10.4	7.3
410755	< 0.1				7.77	< 0.1	27	< 100	320	< 1	< 0.1	4.98	0.2	25	23.7	107	97.9	0.5	6.46	2.1	0.98	10.0	9.7
410756	< 0.1				7.58	< 0.1	4	< 100	362	< 1	0.1	4.82	0.2	25	24.4	112	89.3	0.7	6.79	2.0	1.03	10.1	9.0
410757	< 0.1				7.39	< 0.1	4	< 100	395	< 1	< 0.1	4.58	< 0.1	17	21.7	123	50.3	0.6	5.80	1.5	1.34	6.9	13.7
410758	< 0.1				8.77	< 0.1	< 1	< 100	296	< 1	< 0.1	4.43	0.1	23	19.7	56	57.2	0.4	5.67	1.8	0.92	8.7	8.7
410759	< 0.1				8.21	< 0.1	1	< 100	266	< 1	< 0.1	4.93	0.2	22	21.7	44	95.1	0.5	6.01	1.4	0.99	8.2	11.0
410760 BLC	< 0.1				6.63	< 0.1	< 1	< 100	400	1	< 0.1	1.77	< 0.1	19	5.6	114	8.2	0.7	1.48	1.0	1.34	8.9	8.0
410761	< 0.1				8.01	< 0.1	6	< 100	223	< 1	< 0.1	5.36	< 0.1	21	25.7	120	97.6	0.3	6.64	1.4	0.77	8.3	6.5
410762	< 0.1				8.50	< 0.1	10	< 100	345	< 1	< 0.1	4.76	< 0.1	20	28.8	59	11.0	0.5	7.81	1.6	1.26	7.1	11.9
410763	< 0.1				8.94	< 0.1	56	< 100	293	< 1	< 0.1	4.47	< 0.1	22	19.1	81	129	0.5	5.61	1.7	1.14	8.5	6.7
410764	< 0.1				9.11	< 0.1	14	< 100	375	< 1	< 0.1	4.47	< 0.1	22	20.6	87	105	0.7	6.17	1.6	1.50	8.5	9.7
410765	< 0.1				7.76	< 0.1	89	< 100	366	< 1	0.1	4.10	< 0.1	20	34.9	119	345	0.7	5.93	2.4	1.24	7.9	9.0
410766	< 0.1				7.27	< 0.1	13	< 100	253	< 1	< 0.1	5.03	< 0.1	21	34.6	195	132	0.7	7.26	2.0	1.10	8.4	9.2
410767	< 0.1				8.04	< 0.1	< 1	< 100	263	< 1	< 0.1	4.29	< 0.1	21	22.4	127	55.1	0.8	6.73	1.4	1.13	8.0	10.4
410768	< 0.1				8.26	< 0.1	2	< 100	246	< 1	< 0.1	4.08	< 0.1	20	24.8	53	445	1.3	7.67	1.1	1.53	7.3	12.9

Analyte Symbol	Na	Nb	Ni	P	Rb	Pb	S	Mg	Mn	Mo	Sb	Sc	Sn	Sr	Ta	Th	Ti	Tl	U	V	W	Y	Zn
Unit Symbol	%	ppm	ppm	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.1	0.1	0.001	0.1	0.1	1	0.01	1	0.1	0.1	1	0.1	1	0.1	0.1	0.001	0.05	0.1	4	0.1	0.1	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
410626	1.62	3.7	30.6	0.058	25.4	1.3	< 1	3.75	1700	2.4	0.9	28	0.8	158	0.2	0.4	0.688	0.22	0.3	255	0.5	9.2	192
410627	2.17	4.6	43.2	0.096	19.9	2.1	< 1	3.24	1640	2.2	1.3	23	1.1	174	0.3	0.9	0.782	0.17	0.6	227	2.1	10.4	176
410628	1.67	5.0	19.2	0.083	16.0	2.1	< 1	2.49	1620	2.8	< 0.1	23	0.9	164	0.3	1.3	0.692	0.13	0.7	213	1.6	18.3	117
410629	0.624	5.6	12.2	0.071	3.2	3.9	2	1.56	1090	4.8	0.9	11	1.4	86	0.3	0.5	0.575	0.13	0.4	172	2.2	10.1	73
410630 BLC	3.06	2.6	21.5	0.023	43.9	7.3	< 1	0.59	283	11.0	< 0.1	6	0.7	347	0.1	1.4	0.161	0.26	0.3	35	0.1	6.2	20
410631	1.75	2.3	12.6	0.097	15.5	4.0	< 1	1.66	1200	1.9	0.2	18	1.4	223	< 0.1	1.1	0.580	0.15	0.6	175	0.2	20.8	62
410632	0.969	0.3	6.3	0.094	19.6	1.7	< 1	1.92	1290	1.0	< 0.1	23	0.5	138	< 0.1	1.5	0.342	0.15	0.7	101	0.1	24.0	67
410633	1.18	0.1	6.4	0.100	14.6	1.1	< 1	2.03	1480	0.3	< 0.1	21	0.3	119	< 0.1	1.6	0.207	0.09	0.7	68	< 0.1	25.9	115
410634	1.75	0.6	10.0	0.073	21.9	1.1	< 1	1.71	1600	0.5	< 0.1	20	0.4	281	< 0.1	1.2	0.236	0.13	0.6	71	< 0.1	22.0	109
410635	1.57	1.7	10.2	0.075	36.5	1.1	< 1	1.85	1500	0.7	0.1	19	0.9	146	< 0.1	1.3	0.440	0.25	0.6	141	0.2	20.8	102
410636	1.05	6.0	9.0	0.066	24.7	2.5	< 1	1.60	1510	4.3	0.5	19	0.7	201	0.3	1.2	0.670	0.16	0.6	203	4.2	22.3	78
410637	1.66	7.6	6.1	0.097	9.0	2.4	< 1	1.90	1080	2.6	0.8	18	0.9	124	0.4	1.1	0.706	0.11	0.6	158	9.3	22.0	74
410638	1.73	6.3	13.9	0.095	20.1	2.1	< 1	2.53	1200	2.2	0.1	23	0.8	123	0.3	1.4	0.660	0.14	0.7	179	2.3	20.1	64
410639	1.70	4.0	24.9	0.086	17.7	3.4	< 1	3.17	1560	1.1	< 0.1	28	1.1	147	0.1	1.6	0.649	0.12	0.6	251	0.4	15.6	110
410640	1.90	7.3	23.1	0.086	2.3	2.8	< 1	2.80	1520	1.5	0.4	15	1.4	139	0.5	0.6	0.712	0.12	0.5	261	2.3	8.3	106
410641	1.29	0.7	30.7	0.070	13.1	3.2	< 1	2.85	1210	0.8	< 0.1	28	0.4	108	< 0.1	1.3	0.356	0.10	0.5	210	0.3	14.3	89
410642	2.53	3.1	15.0	0.098	32.2	0.8	< 1	1.74	1130	2.1	< 0.1	14	0.7	194	0.1	3.5	0.381	0.24	1.0	103	0.8	14.9	55
410643	0.073	0.2	30.0	0.065	5.3	0.3	< 1	2.93	1470	1.2	< 0.1	28	0.6	50	< 0.1	0.6	0.394	< 0.05	0.5	256	0.2	15.2	85
410644	0.329	0.5	22.4	0.077	29.3	4.0	< 1	2.80	1760	0.3	< 0.1	31	1.0	87	< 0.1	0.6	0.428	0.19	0.4	195	0.1	15.0	231
410645	1.12	0.1	44.4	0.052	22.9	1.3	< 1	2.84	1770	0.2	< 0.1	35	< 0.1	175	< 0.1	0.5	0.272	0.15	0.4	179	< 0.1	11.6	113
410646	1.56	0.1	44.5	0.062	27.6	3.6	< 1	2.60	1780	0.5	< 0.1	34	0.4	226	< 0.1	0.7	0.271	0.19	0.5	155	< 0.1	14.2	223
410647	0.307	3.4	26.6	0.084	25.6	2.1	< 1	2.60	1410	1.6	0.2	24	1.2	95	0.1	0.9	0.458	0.18	0.7	194	2.3	17.7	102
410648	0.245	3.0	20.0	0.049	22.6	4.3	2	1.97	948	5.4	4.6	19	0.8	36	< 0.1	1.7	0.250	0.16	6.2	151	34.3	14.5	68
410649	0.589	0.1	6.4	0.116	27.1	2.4	< 1	1.64	833	1.2	< 0.1	17	0.3	64	< 0.1	2.4	0.226	0.14	1.5	55	0.2	21.5	62
410650 MR	0.203	2.8	67.1	0.086	60.5	11.6	3	0.91	4640	306	8.0	7	12.3	46	< 0.1	0.6	0.204	0.32	50.2	96	71.5	17.4	46
410651	0.691	3.5	25.1	0.061	12.5	46.4	2	2.03	1050	2.9	2.4	16	0.9	70	< 0.1	1.5	0.390	0.10	0.8	122	19.2	16.2	161
410652	1.12	0.6	9.5	0.077	28.8	7.4	< 1	1.46	784	3.1	1.2	16	0.5	106	< 0.1	2.6	0.368	0.16	1.8	86	14.0	29.4	53
410653	1.82	0.4	14.1	0.134	17.0	2.5	< 1	1.53	864	1.6	< 0.1	17	0.3	220	< 0.1	2.5	0.338	0.09	2.2	62	0.5	26.1	75
410654	1.20	15.9	373	0.234	6.2	1.1	< 1	7.66	1320	0.8	0.3	25	0.8	265	0.7	4.1	0.544	< 0.05	1.4	165	1.2	17.5	150
410655	0.981	11.5	58.5	0.158	12.4	1.4	< 1	2.60	1010	3.7	0.5	18	0.6	176	0.5	2.8	0.562	0.06	1.4	87	72.7	24.4	103
410656	0.550	6.1	23.2	0.091	10.9	1.9	< 1	2.24	1500	3.1	0.2	25	1.1	136	0.3	1.3	0.619	0.05	0.8	213	14.5	22.1	71
410657	1.95	11.1	38.1	0.097	3.3	3.5	< 1	1.75	994	3.3	0.7	14	1.5	301	0.7	1.3	0.558	0.06	1.0	162	19.2	13.9	76
410658	1.17	3.9	15.2	0.108	30.1	3.3	< 1	2.42	1570	1.8	0.3	24	1.6	104	< 0.1	2.4	0.490	0.19	1.8	161	0.6	21.7	83
410659	1.36	0.1	46.4	0.113	34.5	1.4	< 1	3.28	1180	0.3	< 0.1	25	< 0.1	230	< 0.1	2.4	0.252	0.24	0.9	100	< 0.1	19.4	76
410660 BLC	2.78	1.4	19.2	0.022	42.9	6.2	< 1	0.55	276	12.1	< 0.1	6	0.5	343	< 0.1	1.2	0.157	0.24	0.3	31	0.1	5.7	19
410661	0.459	0.1	78.5	0.127	49.2	1.5	< 1	3.81	1620	0.5	0.4	24	0.4	379	< 0.1	1.6	0.257	0.39	0.6	110	< 0.1	14.0	57
410662	1.56	0.5	87.7	0.080	37.7	2.8	< 1	3.87	1260	1.3	0.5	23	0.4	325	< 0.1	1.3	0.400	0.29	0.4	111	< 0.1	15.0	100
410663	2.10	7.2	99.9	0.106	10.3	4.0	< 1	4.67	1460	1.3	0.2	30	0.5	338	0.3	1.7	0.629	0.07	0.6	180	0.4	25.6	112
410664	2.21	8.0	83.3	0.111	5.7	3.4	< 1	3.97	1520	2.5	0.6	27	0.7	344	0.3	2.0	0.647	< 0.05	0.6	179	0.5	27.8	129
410665	1.40	11.1	91.5	0.212	14.4	2.5	< 1	3.55	1500	3.1	1.1	27	1.5	378	0.4	2.6	0.785	0.09	1.0	193	0.9	26.2	117
410666	2.50	6.1	16.0	0.098	5.3	5.7	< 1	2.02	1440	3.8	0.5	25	1.0	402	0.3	1.3	0.710	0.06	1.4	222	0.2	20.2	160
410667	2.47	3.1	14.7	0.101	13.3	6.8	< 1	2.38	1500	1.1	0.2	28	1.3	416	< 0.1	1.6	0.546	0.09	1.4	200	< 0.1	22.3	134

Analyte Symbol	Na	Nb	Ni	P	Rb	Pb	S	Mg	Mn	Mo	Sb	Sc	Sn	Sr	Ta	Th	Ti	Tl	U	V	W	Y	Zn
Unit Symbol	%	ppm	ppm	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.1	0.1	0.001	0.1	0.1	1	0.01	1	0.1	0.1	1	0.1	1	0.1	0.1	0.001	0.05	0.1	4	0.1	0.1	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
410668	1.27	6.8	15.6	0.075	14.4	7.9	< 1	1.56	1760	2.5	1.9	18	1.1	210	0.4	0.5	0.628	0.30	0.7	230	1.4	12.6	100
410669	1.69	0.6	17.4	0.078	11.8	6.7	< 1	2.24	2440	0.6	0.2	26	0.9	248	< 0.1	1.2	0.347	0.08	0.8	173	< 0.1	18.1	153
410670	1.46	0.8	17.6	0.070	10.7	6.7	< 1	2.29	2440	0.8	0.2	27	1.1	242	< 0.1	1.3	0.408	0.07	0.8	179	< 0.1	19.7	154
410671	2.72	0.4	21.2	0.083	11.8	6.6	< 1	2.26	1810	0.2	< 0.1	31	1.1	275	< 0.1	1.7	0.254	0.23	1.2	107	< 0.1	19.8	144
410672	2.45	0.1	12.1	0.093	16.7	6.5	< 1	1.64	1460	0.2	< 0.1	27	0.4	310	< 0.1	1.8	0.186	0.10	1.3	103	< 0.1	21.6	126
410673	1.96	0.2	10.8	0.100	59.3	2.6	< 1	1.93	1230	0.2	0.1	22	0.3	280	< 0.1	1.7	0.204	0.40	0.8	87	< 0.1	19.2	121
410674	0.857	2.7	169	0.071	34.2	0.6	< 1	5.21	1240	1.0	< 0.1	27	0.3	172	< 0.1	0.4	0.605	0.21	0.2	148	0.1	15.2	76
410675	2.48	4.2	27.3	0.091	13.4	4.5	< 1	2.21	1360	2.6	0.2	20	0.7	277	0.1	1.3	0.526	0.08	0.6	124	0.1	17.6	138
410676	2.76	8.8	2.1	0.092	8.4	2.5	< 1	2.07	1470	3.2	0.3	16	0.8	284	0.5	0.9	0.537	0.08	0.5	119	0.4	16.3	153
410677	2.88	7.6	5.8	0.092	14.6	2.6	< 1	1.92	1330	2.4	0.2	22	1.2	328	0.4	1.4	0.618	0.08	0.8	167	0.2	20.7	132
410678	2.24	6.1	15.7	0.093	18.7	3.3	< 1	2.21	1370	1.9	0.2	24	1.5	346	0.2	1.7	0.545	0.11	0.8	165	0.1	21.8	136
410679	1.52	4.2	41.6	0.044	6.8	3.0	1	2.63	1470	8.3	0.7	10	0.5	147	0.3	0.2	0.488	0.24	0.2	214	1.7	4.8	146
410680 MR	0.427	5.6	18.2	0.060	31.2	> 5000	> 10.0	1.22	682	17.8	14.6	8	9.1	26	0.3	3.0	0.143	1.11	1.3	28	3.3	15.9	> 10000
410681	3.17	8.1	3.5	0.031	45.9	3.0	< 1	0.61	303	8.8	0.4	6	0.6	223	0.5	7.7	0.213	0.29	2.6	38	1.0	12.4	13
410682	1.70	0.1	17.5	0.116	67.0	1.6	< 1	1.93	1150	0.2	< 0.1	25	0.3	189	< 0.1	2.9	0.165	0.47	1.4	95	< 0.1	27.0	54
410683	1.73	0.4	9.7	0.140	90.0	2.0	< 1	1.82	1200	0.4	0.1	28	1.5	212	< 0.1	2.5	0.279	0.79	1.2	106	< 0.1	32.5	61
410684	1.33	1.4	14.0	0.141	94.6	0.9	< 1	2.05	793	0.4	< 0.1	27	0.4	206	< 0.1	2.3	0.410	0.82	1.0	108	< 0.1	30.8	79
410685	1.20	3.1	19.5	0.078	31.7	2.4	2	2.48	1540	2.3	0.1	24	1.1	107	< 0.1	0.9	0.586	0.17	0.4	197	0.2	14.7	131
410686	1.47	4.1	47.5	0.047	22.4	2.8	< 1	3.71	1600	1.7	0.2	28	1.3	138	0.2	0.5	0.665	0.13	0.2	294	0.6	10.1	225
410687	2.02	4.3	16.2	0.076	17.4	4.5	< 1	2.55	1500	2.0	0.4	25	0.8	272	0.2	0.9	0.707	0.10	0.4	275	0.2	14.8	179
410688	2.03	0.4	23.5	0.087	30.2	2.6	< 1	2.74	1380	0.2	< 0.1	26	1.0	259	< 0.1	1.2	0.251	0.17	0.5	100	< 0.1	18.2	123
410689	1.89	< 0.1	83.9	0.111	9.3	3.1	< 1	3.98	1510	0.2	0.2	31	0.4	427	< 0.1	1.0	0.186	< 0.05	0.4	92	< 0.1	23.6	105
410690 BLC	3.10	1.4	24.6	0.021	45.8	6.6	< 1	0.54	284	8.2	< 0.1	6	0.3	361	< 0.1	1.4	0.160	0.26	0.3	37	< 0.1	6.1	19
410691	1.92	0.1	175	0.105	15.9	1.9	< 1	5.26	1330	0.3	0.2	31	0.3	359	< 0.1	0.6	0.243	0.09	0.3	92	< 0.1	20.8	90
410692	1.28	0.5	297	0.099	14.5	1.0	< 1	6.58	1220	0.4	< 0.1	24	0.1	207	< 0.1	0.6	0.326	0.08	0.2	96	< 0.1	18.3	90
410693	1.23	1.4	169	0.135	19.4	1.7	< 1	4.95	1330	0.3	0.1	28	0.2	204	< 0.1	0.8	0.399	0.11	0.4	120	< 0.1	21.1	127
410694	1.39	2.4	161	0.123	14.2	0.5	< 1	4.73	1530	0.5	< 0.1	27	0.4	192	< 0.1	1.1	0.526	0.08	0.5	132	< 0.1	20.6	181
410695 MR	1.55	2.8	12.4	0.080	66.1	18.5	< 1	1.20	945	5.6	2.3	13	0.8	334	0.1	2.9	0.309	0.62	0.8	110	2.0	10.6	73
410696	4.44	27.4	5.2	0.091	8.4	6.7	< 1	0.27	394	12.9	0.5	< 1	3.3	294	1.4	4.5	0.211	0.08	1.9	6	0.3	9.1	29
410697	4.53	19.2	2.6	0.083	8.1	4.9	< 1	0.36	594	7.5	0.4	< 1	4.0	276	< 0.1	5.7	0.217	0.08	2.0	6	0.3	11.6	50
410698	2.06	0.2	33.2	0.118	7.5	2.7	< 1	2.19	1880	0.3	0.1	32	0.2	528	< 0.1	2.1	0.222	< 0.05	0.8	77	< 0.1	27.2	133
410699	1.85	0.1	28.4	0.117	6.2	3.4	< 1	1.96	1610	0.2	< 0.1	29	0.1	486	< 0.1	2.2	0.156	< 0.05	0.9	65	< 0.1	27.4	155
410700	1.83	0.2	27.5	0.120	6.1	3.7	< 1	1.95	1740	0.4	0.1	30	0.3	496	< 0.1	2.2	0.209	< 0.05	0.9	70	< 0.1	28.4	189
410701	1.71	0.6	23.1	0.130	11.0	4.5	< 1	2.17	1590	0.4	< 0.1	29	0.4	379	< 0.1	2.3	0.256	0.06	0.9	84	< 0.1	30.1	135
410702	2.11	1.5	27.1	0.118	15.7	3.6	< 1	2.15	1440	0.6	0.1	30	0.4	287	< 0.1	1.9	0.395	0.09	0.8	112	< 0.1	24.2	121
410703	1.32	3.4	26.9	0.123	26.1	3.2	< 1	2.09	1530	0.7	0.2	29	0.5	226	0.1	2.0	0.561	0.13	0.9	145	< 0.1	26.6	136
410704	1.57	5.3	13.0	0.155	8.5	6.5	< 1	1.80	1520	1.5	0.2	27	0.9	468	0.1	2.3	0.739	< 0.05	1.0	170	2.3	31.6	128
410705	1.74	2.0	13.5	0.132	17.1	3.5	< 1	2.22	1480	0.6	< 0.1	28	0.4	325	< 0.1	2.2	0.427	0.08	0.9	116	< 0.1	27.8	123
410706	2.06	11.1	8.5	0.135	4.1	5.2	< 1	1.98	1540	2.9	0.2	22	1.7	261	0.6	2.1	0.848	0.05	0.9	186	0.3	26.0	129
410707	2.64	0.1	13.5	0.149	6.8	5.1	< 1	2.28	1930	< 0.1	< 0.1	26	< 0.1	488	< 0.1	2.3	0.142	< 0.05	1.0	82	< 0.1	31.2	171
410708	0.830	3.5	13.1	0.146	56.5	2.1	< 1	1.99	1370	0.5	0.3	24	1.9	228	< 0.1	2.1	0.404	0.41	0.9	78	0.4	22.7	143
410709	1.20	1.4	12.7	0.152	13.3	4.9	< 1	1.88	1560	0.5	0.1	24	2.0	321	< 0.1	2.2	0.395	0.06	1.0	75	< 0.1	30.0	98

Analyte Symbol	Na	Nb	Ni	P	Rb	Pb	S	Mg	Mn	Mo	Sb	Sc	Sn	Sr	Ta	Th	Ti	Tl	U	V	W	Y	Zn
Unit Symbol	%	ppm	ppm	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.1	0.1	0.001	0.1	0.1	1	0.01	1	0.1	0.1	1	0.1	1	0.1	0.1	0.001	0.05	0.1	4	0.1	0.1	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
410710 MR	0.653	3.7	16.1	0.467	551	7.2	< 1	0.71	3390	254	0.3	6	119	114	< 0.1	4.6	0.079	5.84	7.9	48	> 200	8.7	353
410711	1.87	2.1	18.4	0.086	27.5	5.8	< 1	2.33	1320	0.8	0.1	23	1.1	269	< 0.1	1.6	0.354	0.12	0.6	78	17.7	18.2	147
410712	2.16	0.3	11.7	0.076	16.3	3.3	< 1	1.96	1400	0.4	< 0.1	18	0.2	324	< 0.1	1.2	0.223	0.06	0.6	81	4.6	16.4	127
410713	1.35	6.3	12.0	0.148	15.8	3.4	1	1.84	1680	0.9	0.1	24	2.0	285	0.1	2.2	0.517	0.07	2.5	98	2.9	28.6	96
410714	2.23	5.8	5.7	0.123	14.5	3.2	< 1	1.78	1590	2.1	< 0.1	22	1.2	295	0.2	1.6	0.690	0.07	0.7	147	1.9	22.6	197
410715	0.659	6.4	24.1	0.067	52.7	3.9	< 1	2.49	1290	4.0	0.4	22	1.1	123	0.4	1.7	0.593	0.26	0.6	205	2.1	15.0	128
410716	2.61	3.0	64.7	0.098	28.2	2.1	< 1	4.85	1370	1.1	0.9	35	0.8	304	< 0.1	4.8	0.543	0.17	1.3	214	0.8	18.1	98
410717	1.79	0.2	14.2	0.100	6.5	7.1	< 1	2.15	1710	0.4	0.1	28	0.2	805	< 0.1	2.9	0.261	< 0.05	1.1	113	< 0.1	23.7	103
410718	1.69	0.6	21.1	0.044	13.2	5.4	1	1.55	1100	2.5	0.4	23	1.6	583	< 0.1	1.0	0.411	0.08	1.5	189	75.2	11.9	76
410719	2.40	0.3	22.9	0.056	10.9	5.2	< 1	2.46	1390	0.5	< 0.1	25	0.1	438	< 0.1	1.9	0.226	0.06	0.7	77	< 0.1	13.8	154
410720 BLC	3.00	0.2	21.9	0.022	44.5	6.8	< 1	0.56	285	4.0	< 0.1	6	0.4	361	< 0.1	1.4	0.134	0.27	0.4	32	< 0.1	6.1	19
410721	1.59	2.6	6.1	0.093	11.3	4.6	< 1	2.35	1670	0.8	0.1	25	0.2	462	0.1	2.8	0.475	0.05	1.0	140	< 0.1	23.5	149
410722	2.81	5.8	11.4	0.089	12.2	10.1	< 1	2.01	1210	2.6	0.2	24	1.1	388	0.3	2.8	0.624	0.07	0.9	161	0.3	21.4	113
410723	3.16	5.7	4.8	0.095	14.9	4.0	< 1	1.70	974	2.1	0.3	23	1.1	327	< 0.1	2.8	0.581	0.10	1.0	134	< 0.1	22.6	84
410724	2.14	1.2	94.3	0.031	4.3	2.4	< 1	5.08	1150	0.9	0.2	30	< 0.1	379	< 0.1	0.9	0.440	< 0.05	0.3	201	< 0.1	8.0	100
410725	1.88	3.3	80.9	0.030	0.2	2.4	< 1	3.89	1080	3.1	0.9	21	0.6	330	0.2	0.4	0.502	< 0.05	0.3	245	0.5	5.5	92
410726	1.66	0.1	66.3	0.036	26.0	1.5	< 1	3.54	1020	< 0.1	< 0.1	26	< 0.1	252	< 0.1	0.9	0.299	0.19	0.3	150	< 0.1	8.1	77
410727	1.07	0.1	57.7	0.043	30.2	1.1	< 1	3.11	995	0.2	< 0.1	25	< 0.1	241	< 0.1	0.9	0.180	0.23	0.5	94	< 0.1	7.8	69
410728	1.01	< 0.1	68.1	0.029	29.7	0.7	< 1	3.42	943	0.1	< 0.1	24	< 0.1	173	< 0.1	0.8	0.155	0.21	0.4	83	< 0.1	7.2	74
410729	2.14	0.1	72.8	0.031	8.2	1.7	< 1	3.67	1010	0.3	< 0.1	27	< 0.1	292	< 0.1	1.0	0.192	< 0.05	0.4	100	< 0.1	8.9	78
410730	2.31	0.9	36.7	0.048	11.2	2.7	< 1	3.03	1200	0.4	0.1	25	0.5	344	< 0.1	1.2	0.300	0.06	0.4	111	< 0.1	12.4	93
410731	1.47	1.7	7.6	0.091	19.9	3.9	< 1	1.54	1420	1.7	0.1	18	0.4	238	< 0.1	1.7	0.395	0.10	0.7	88	< 0.1	20.5	82
410732	1.79	3.7	49.5	0.046	6.1	2.3	< 1	3.34	1190	2.6	0.3	26	0.4	351	0.2	1.0	0.567	< 0.05	0.4	242	0.3	10.5	77
410733	1.93	4.3	55.5	0.048	7.0	2.5	< 1	3.54	1190	4.1	0.4	26	0.6	347	0.3	1.1	0.565	< 0.05	0.4	242	0.4	11.2	81
410734	2.20	1.9	39.9	0.032	13.8	1.5	< 1	2.96	900	1.2	0.1	18	0.1	307	0.1	0.6	0.345	0.10	0.3	160	0.1	7.4	73
410735	1.56	0.9	49.5	0.071	4.9	3.3	< 1	3.44	1600	0.5	0.2	30	0.8	445	< 0.1	1.0	0.384	< 0.05	0.4	189	< 0.1	12.6	146
410736	1.97	8.4	13.7	0.077	4.4	5.7	< 1	1.99	1360	3.3	1.1	18	1.1	304	0.5	1.0	0.679	0.08	0.6	221	0.7	15.0	118
410737	2.48	0.1	14.0	0.040	17.4	2.1	< 1	2.55	1230	0.2	< 0.1	24	< 0.1	199	< 0.1	1.0	0.254	0.11	0.4	138	< 0.1	11.3	112
410738	1.87	0.1	11.5	0.072	13.3	4.1	< 1	2.03	1520	0.1	< 0.1	27	< 0.1	270	< 0.1	2.0	0.215	0.07	1.0	108	< 0.1	19.4	115
410739	1.86	1.4	11.3	0.066	8.0	12.9	2	2.06	1500	1.2	0.1	25	1.2	216	< 0.1	1.8	0.474	0.06	0.8	188	< 0.1	18.5	182
410740 MR	0.884	0.8	66.7	0.079	83.4	6.0	2	1.09	3130	119	3.5	13	7.2	78	< 0.1	2.5	0.289	0.29	29.1	191	8.7	18.9	23
410741	1.96	0.3	7.2	0.079	15.7	5.7	< 1	1.75	1720	0.4	< 0.1	28	0.6	298	< 0.1	2.1	0.228	0.09	0.9	90	< 0.1	21.6	114
410742	2.45	2.8	18.7	0.080	17.2	5.5	< 1	2.30	1310	1.2	0.2	24	0.5	278	< 0.1	1.9	0.477	0.10	0.9	147	< 0.1	18.6	124
410743	3.12	6.4	6.4	0.069	4.7	3.7	< 1	1.60	1710	1.6	0.3	22	1.4	263	0.3	1.2	0.666	0.07	0.6	228	0.4	15.6	103
410744	2.14	3.9	37.3	0.068	19.7	10.8	< 1	2.17	1270	5.1	0.2	23	0.8	236	0.2	1.7	0.498	0.08	0.9	154	0.3	20.0	90
410745	2.16	1.3	35.2	0.064	14.7	6.1	< 1	1.84	1170	1.1	0.2	24	0.4	242	< 0.1	1.7	0.338	0.06	0.9	102	< 0.1	19.7	80
410746	2.70	< 0.1	35.5	0.062	20.3	12.1	< 1	2.27	1100	0.2	< 0.1	24	< 0.1	197	< 0.1	1.8	0.119	0.08	0.9	57	< 0.1	19.7	108
410747	3.57	7.2	36.8	0.069	7.1	6.4	< 1	1.86	1250	5.4	0.8	13	1.5	152	0.5	0.5	0.564	0.07	0.7	164	0.8	11.6	65
410748	2.22	< 0.1	7.7	0.087	17.7	3.3	< 1	1.77	1780	0.3	< 0.1	26	< 0.1	225	< 0.1	1.2	0.234	0.06	0.7	96	< 0.1	26.6	111
410749	2.03	< 0.1	2.4	0.108	22.8	5.7	< 1	1.74	2060	0.2	< 0.1	26	< 0.1	298	< 0.1	1.2	0.164	0.09	0.7	58	< 0.1	28.6	131
410750 MR	0.473	5.6	17.7	0.058	30.8	> 5000	> 10.0	1.26	692	18.3	11.7	7	8.8	28	0.3	2.7	0.131	1.11	1.3	31	4.2	15.4	> 10000
410751	3.60	0.3	34.4	0.063	12.8	4.6	< 1	2.24	1320	1.2	0.2	24	0.6	204	< 0.1	1.8	0.270	< 0.05	0.9	96	< 0.1	20.0	75

Analyte Symbol	Na	Nb	Ni	P	Rb	Pb	S	Mg	Mn	Mo	Sb	Sc	Sn	Sr	Ta	Th	Ti	Tl	U	V	W	Y	Zn
Unit Symbol	%	ppm	ppm	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.1	0.1	0.001	0.1	0.1	1	0.01	1	0.1	0.1	1	0.1	1	0.1	0.1	0.001	0.05	0.1	4	0.1	0.1	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
410752	3.62	1.1	33.0	0.071	14.9	5.3	< 1	1.85	1180	0.9	< 0.1	22	0.7	227	< 0.1	1.8	0.332	0.06	1.3	100	< 0.1	19.2	67
410753	2.71	2.5	39.6	0.073	22.6	6.0	< 1	2.26	1100	3.0	0.2	21	1.1	230	< 0.1	2.1	0.452	0.09	1.6	122	0.1	18.9	87
410754	2.55	0.2	35.4	0.063	21.0	6.2	< 1	1.99	1480	0.4	0.1	21	< 0.1	262	< 0.1	1.8	0.180	0.07	0.9	57	< 0.1	19.9	69
410755	2.06	0.5	31.2	0.066	27.6	13.9	< 1	2.10	1400	1.4	0.3	22	0.6	222	< 0.1	1.7	0.299	0.12	0.9	106	0.1	20.6	93
410756	1.44	0.5	30.6	0.064	25.2	10.2	< 1	2.06	1290	0.6	0.1	22	0.2	239	< 0.1	1.6	0.235	0.11	0.9	87	< 0.1	21.2	108
410757	1.92	< 0.1	22.0	0.054	30.6	1.6	< 1	1.78	1080	0.2	< 0.1	26	< 0.1	105	< 0.1	1.1	0.123	0.11	0.7	65	< 0.1	17.7	76
410758	2.77	< 0.1	15.0	0.068	22.2	8.2	< 1	1.77	1110	0.3	< 0.1	24	< 0.1	232	< 0.1	1.1	0.161	0.08	0.7	54	< 0.1	23.8	85
410759	2.46	< 0.1	17.8	0.064	23.2	8.9	< 1	1.95	1230	0.1	< 0.1	26	< 0.1	227	< 0.1	1.1	0.155	0.09	0.7	51	< 0.1	22.9	90
410760 BLC	3.02	0.9	20.9	0.022	42.8	6.6	< 1	0.56	278	8.2	< 0.1	6	0.5	348	< 0.1	1.4	0.157	0.26	0.3	35	< 0.1	6.0	22
410761	2.15	0.1	32.7	0.059	16.9	2.4	< 1	2.36	1270	0.5	< 0.1	27	0.1	244	< 0.1	1.2	0.201	0.08	0.7	64	< 0.1	19.7	72
410762	2.37	0.3	27.1	0.063	29.6	1.8	< 1	2.43	1210	0.3	0.2	32	0.2	210	< 0.1	0.9	0.262	0.13	0.6	87	< 0.1	24.1	70
410763	2.98	0.2	16.1	0.068	30.3	4.9	< 1	0.93	840	0.4	< 0.1	21	0.3	273	< 0.1	1.4	0.184	0.13	0.8	49	< 0.1	17.7	55
410764	2.63	0.2	19.9	0.068	38.1	3.7	< 1	1.60	797	0.4	< 0.1	26	0.2	256	< 0.1	1.3	0.194	0.18	0.8	56	< 0.1	19.3	52
410765	2.88	0.5	22.9	0.060	31.0	3.8	< 1	1.22	875	1.4	0.2	22	0.3	260	< 0.1	1.4	0.331	0.15	0.8	107	< 0.1	16.0	47
410766	2.23	< 0.1	31.2	0.055	26.6	1.9	< 1	2.42	1100	0.3	< 0.1	34	< 0.1	217	< 0.1	1.4	0.232	0.13	0.8	128	< 0.1	19.5	57
410767	2.74	< 0.1	25.1	0.061	26.5	1.4	< 1	2.10	1180	< 0.1	< 0.1	32	< 0.1	257	< 0.1	0.7	0.146	0.11	0.5	68	< 0.1	22.5	48
410768	2.61	< 0.1	24.1	0.062	38.9	1.2	< 1	1.99	1090	0.1	< 0.1	33	< 0.1	218	< 0.1	0.7	0.127	0.19	0.4	61	< 0.1	22.7	55

Analyte Symbol	Zr
Unit Symbol	ppm
Lower Limit	0.1
Method Code	TD-MS
410626	49.5
410627	68.2
410628	56.9
410629	44.0
410630 BLC	54.5
410631	33.1
410632	23.7
410633	23.7
410634	14.6
410635	25.6
410636	30.6
410637	67.5
410638	82.7
410639	85.8
410640	92.1
410641	54.9
410642	114
410643	50.6
410644	29.9
410645	24.3
410646	24.8
410647	33.7
410648	36.4
410649	47.8
410650 MR	121
410651	73.8
410652	126
410653	114
410654	142
410655	144
410656	32.4
410657	101
410658	111
410659	66.2
410660 BLC	45.6
410661	39.1
410662	51.0
410663	75.9
410664	79.9
410665	86.8
410666	56.9
410667	50.5

Analyte Symbol	Zr
Unit Symbol	ppm
Lower Limit	0.1
Method Code	TD-MS
410668	39.8
410669	27.2
410670	28.4
410671	20.1
410672	22.5
410673	34.5
410674	28.9
410675	39.4
410676	44.8
410677	40.6
410678	38.3
410679	21.9
410680 MR	127
410681	153
410682	47.0
410683	59.9
410684	76.8
410685	43.9
410686	19.5
410687	29.2
410688	14.5
410689	17.6
410690 BLC	15.1
410691	25.3
410692	37.4
410693	33.1
410694	72.8
410695 MR	74.5
410696	393
410697	210
410698	28.4
410699	18.3
410700	25.6
410701	24.9
410702	38.9
410703	29.8
410704	29.9
410705	22.8
410706	80.0
410707	38.3
410708	20.2
410709	18.0

Analyte Symbol	Zr
Unit Symbol	ppm
Lower Limit	0.1
Method Code	TD-MS
410710 MR	35.8
410711	25.6
410712	21.7
410713	31.5
410714	45.0
410715	53.7
410716	87.6
410717	66.6
410718	30.9
410719	33.9
410720 BLC	42.0
410721	68.9
410722	92.9
410723	117
410724	27.9
410725	29.5
410726	25.6
410727	23.1
410728	13.7
410729	29.5
410730	29.1
410731	57.5
410732	35.6
410733	40.3
410734	27.2
410735	22.8
410736	61.9
410737	15.3
410738	52.9
410739	63.3
410740 MR	132
410741	46.5
410742	63.5
410743	65.8
410744	111
410745	97.9
410746	68.6
410747	123
410748	82.8
410749	49.1
410750 MR	123
410751	89.7

Analyte Symbol	Zr
Unit Symbol	ppm
Lower Limit	0.1
Method Code	TD-MS
410752	106
410753	113
410754	81.1
410755	79.6
410756	74.8
410757	52.6
410758	68.1
410759	49.9
410760 BLC	45.1
410761	53.8
410762	57.3
410763	64.9
410764	60.3
410765	89.1
410766	74.5
410767	55.2
410768	41.3

Analyte Symbol	Te	Cu	Pb	Zn	Al	Ag	As	Au	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Cs	Fe	Hf	K	La	Li
Unit Symbol	ppm	%	%	%	%	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm
Lower Limit	0.1	0.005	0.01	0.01	0.01	0.1	1	100	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.1	0.01	0.1	0.01	0.1	0.1
Method Code	TD-MS	FUS-Na2O2	FUS-Na2O2	FUS-Na2O2	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	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-1 Meas	10.7				2.14	31.2	440	> 2000	742	< 1	1400	0.84	2.8	14	7.6	22	1130	2.5	23.4	0.6	0.03	7.2	6.8
GXR-1 Cert	13.0				3.52	31.0	427	3300	750	1.22	1380	0.960	3.30	17.0	8.20	12.0	1110	3.00	23.6	0.960	0.050	7.50	8.20
GXR-1 Meas	9.3				2.22	33.0	459	> 2000	763	< 1	1430	0.89	2.8	15	7.8	19	1200	2.7	24.7	0.5	0.04	7.8	7.5
GXR-1 Cert	13.0				3.52	31.0	427	3300	750	1.22	1380	0.960	3.30	17.0	8.20	12.0	1110	3.00	23.6	0.960	0.050	7.50	8.20
GXR-1 Meas	0.9				1.92	30.8	414	> 2000	688	< 1	1350	0.85	2.7	15	8.0	33	1160	2.7	24.2	0.4	0.04	7.6	7.6
GXR-1 Cert	13.0				3.52	31.0	427	3300	750	1.22	1380	0.960	3.30	17.0	8.20	12.0	1110	3.00	23.6	0.960	0.050	7.50	8.20
GXR-1 Meas	9.4				2.00	33.1	436	> 2000	716	1	1410	0.87	2.7	16	8.1	15	1210	2.9	25.0	0.5	0.04	8.3	7.4
GXR-1 Cert	13.0				3.52	31.0	427	3300	750	1.22	1380	0.960	3.30	17.0	8.20	12.0	1110	3.00	23.6	0.960	0.050	7.50	8.20
DH-1a Meas																							
DH-1a Cert																							
DH-1a Meas																							
DH-1a Cert																							
DH-1a Meas																							
DH-1a Cert																							
DH-1a Meas																							
DH-1a Cert																							
GXR-4 Meas	0.8				7.07	3.4	102	300	183	2	17.3	1.05	0.3	97	14.1	43	6510	2.3	3.06	1.3	3.70	53.5	11.8
GXR-4 Cert	0.970				7.20	4.0	98.0	500	1640	1.90	19.0	1.01	0.860	102	14.6	64.0	6520	2.80	3.09	6.30	4.01	64.5	11.1
GXR-4 Meas	0.9				6.48	3.2	100	300	706	2	16.9	0.96	0.1	97	13.4	46	6350	2.3	2.91	1.3	3.59	55.6	10.9
GXR-4 Cert	0.970				7.20	4.0	98.0	500	1640	1.90	19.0	1.01	0.860	102	14.6	64.0	6520	2.80	3.09	6.30	4.01	64.5	11.1
GXR-4 Meas	9.3				6.87	3.5	107	300	291	2	18.1	1.06	0.2	112	14.4	43	6580	2.6	3.19	1.4	4.21	57.7	11.1
GXR-4 Cert	0.970				7.20	4.0	98.0	500	1640	1.90	19.0	1.01	0.860	102	14.6	64.0	6520	2.80	3.09	6.30	4.01	64.5	11.1
GXR-4 Meas	0.9																						
GXR-4 Cert	0.970																						
PTM-1a Meas		25.0																					
PTM-1a Cert		24.96																					
SDC-1 Meas					7.13		< 1		582	2		0.93		72	15.5	54	32.7	3.3	4.31	1.1	1.40	34.7	32.8
SDC-1 Cert					8.34		0.220		630	3.00		1.00		93.00	18.0	64.00	30.000	4.00	4.82	8.30	2.72	42.00	34.0
SDC-1 Meas					7.74		< 1		611	3		1.03		79	16.4	60	30.4	3.5	4.57	1.2	1.38	38.5	34.0
SDC-1 Cert					8.34		0.220		630	3.00		1.00		93.00	18.0	64.00	30.000	4.00	4.82	8.30	2.72	42.00	34.0
SDC-1 Meas					8.55		< 1		640	3		1.03		86	17.6	59	29.2	3.8	4.69	1.2	1.75	39.5	36.1
SDC-1 Cert					8.34		0.220		630	3.00		1.00		93.00	18.0	64.00	30.000	4.00	4.82	8.30	2.72	42.00	34.0
SDC-1 Meas					8.24		< 1		635	3		1.02		86	17.9	51	30.2	3.8	4.80	1.0	1.98	37.5	35.4
SDC-1 Cert					8.34		0.220		630	3.00		1.00		93.00	18.0	64.00	30.000	4.00	4.82	8.30	2.72	42.00	34.0
GXR-6 Meas	< 0.1				11.5	0.2	209	< 100	1270	< 1	0.2	0.14	< 0.1	25	11.2	53	62.5	3.2	4.61	1.7	1.74	9.2	35.4
GXR-6 Cert	0.0180				17.7	1.30	330	95.0	1300	1.40	0.290	0.180	1.00	36.0	13.8	96.0	66.0	4.20	5.58	4.30	1.87	13.9	32.0
GXR-6 Meas	< 0.1				11.3	0.2	202	< 100	1230	1	0.2	0.14	0.1	30	13.1	51	69.2	3.5	5.34	1.4	1.96	11.3	32.6
GXR-6 Cert	0.0180				17.7	1.30	330	95.0	1300	1.40	0.290	0.180	1.00	36.0	13.8	96.0	66.0	4.20	5.58	4.30	1.87	13.9	32.0
GXR-6 Meas	< 0.1				1.34	0.2	255	< 100	1240	1	0.2	0.17	< 0.1	37	14.0	68	71.6	4.2	5.68	2.2	1.73	12.9	33.3
GXR-6 Cert	0.0180				17.7	1.30	330	95.0	1300	1.40	0.290	0.180	1.00	36.0	13.8	96.0	66.0	4.20	5.58	4.30	1.87	13.9	32.0
GXR-6 Meas	< 0.1																						

Analyte Symbol	Te	Cu	Pb	Zn	Al	Ag	As	Au	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Cs	Fe	Hf	K	La	Li
Unit Symbol	ppm	%	%	%	%	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm
Lower Limit	0.1	0.005	0.01	0.01	0.01	0.1	1	100	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.1	0.01	0.1	0.01	0.1	0.1
Method Code	TD-MS	FUS-Na2O2	FUS-Na2O2	FUS-Na2O2	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	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-6 Cert	0.0180																						
MP-1b Meas		3.08	2.14	16.2																			
MP-1b Cert		3.07	2.09	16.7																			
DNC-1a Meas									103						50.2	243	91.2					2.4	3.6
DNC-1a Cert									118						57	270	100					3.6	5.2
DNC-1a Meas									110						54.9	220	102					3.6	4.3
DNC-1a Cert									118						57	270	100					3.6	5.2
DNC-1a Meas									114						59.4	246	104					3.9	4.7
DNC-1a Cert									118						57	270	100					3.6	5.2
DNC-1a Meas									108						57.1	191	96.4					3.8	4.6
DNC-1a Cert									118						57	270	100					3.6	5.2
SBC-1 Meas							20		785	3	0.6		0.4	91	20.4	83	31.3	7.3		3.0		45.3	157
SBC-1 Cert							25.7		788.0	3.20	0.70		0.40	108.0	22.7	109	31.0000	8.2		3.7		52.5	163
SBC-1 Meas							26		808	3	0.7		0.3	94	21.9	82	35.6	7.3		3.3		47.6	157
SBC-1 Cert							25.7		788.0	3.20	0.70		0.40	108.0	22.7	109	31.0000	8.2		3.7		52.5	163
SBC-1 Meas							24		619	3	0.7		0.4	110	22.6	109	29.0	8.2		3.4		51.5	162
SBC-1 Cert							25.7		788.0	3.20	0.70		0.40	108.0	22.7	109	31.0000	8.2		3.7		52.5	163
SBC-1 Meas							28		551	3	0.7		0.4	108	23.3	99	32.7	7.8		3.5		50.2	156
SBC-1 Cert							25.7		788.0	3.20	0.70		0.40	108.0	22.7	109	31.0000	8.2		3.7		52.5	163
OREAS 45d (4-Acid) Meas					7.75		5		194	< 1	0.3	0.17		33	29.1	463	370	3.4	13.6	1.4	0.43	15.9	19.8
OREAS 45d (4-Acid) Cert					8.150		13.8		183.0	0.79	0.31	0.185		37.20	29.50	549	371	3.910	14.5	3.830	0.412	16.9	21.5
OREAS 45d (4-Acid) Meas					7.14		4		190	< 1	0.4	0.17		32	28.6	505	371	3.3	13.4	1.3	0.41	15.8	19.7
OREAS 45d (4-Acid) Cert					8.150		13.8		183.0	0.79	0.31	0.185		37.20	29.50	549	371	3.910	14.5	3.830	0.412	16.9	21.5
OREAS 45d (4-Acid) Meas					8.13		5		200	< 1	0.4	0.20		39	29.8	500	387	3.9	14.6	1.2	0.41	18.0	21.2
OREAS 45d (4-Acid) Cert					8.150		13.8		183.0	0.79	0.31	0.185		37.20	29.50	549	371	3.910	14.5	3.830	0.412	16.9	21.5
OREAS 45d (4-Acid) Meas					8.23		10		189	< 1	0.3	0.18		36	29.5	536	351	3.7	14.1	3.6	0.43	16.5	20.1
OREAS 45d (4-Acid) Cert					8.150		13.8		183.0	0.79	0.31	0.185		37.20	29.50	549	371	3.910	14.5	3.830	0.412	16.9	21.5
SdAR-M2 (U.S.G.S.) Meas									1050	7	0.9		5.6	85	13.1	37	255	1.6		4.0		41.5	20.1
SdAR-M2 (U.S.G.S.) Cert									990	6.6	1.05		5.1	98.8	12.4	49.6	236.0000	1.82		7.29		46.6	17.9
SdAR-M2 (U.S.G.S.) Meas									1000	7	1.0		5.4	86	13.0	36	246	1.5		2.9		41.9	18.2

Analyte Symbol	Te	Cu	Pb	Zn	Al	Ag	As	Au	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Cs	Fe	Hf	K	La	Li
Unit Symbol	ppm	%	%	%	%	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm
Lower Limit	0.1	0.005	0.01	0.01	0.01	0.1	1	100	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.1	0.01	0.1	0.01	0.1	0.1
Method Code	TD-MS	FUS-Na2O2	FUS-Na2O2	FUS-Na2O2	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
SdAR-M2 (U.S.G.S.) Cert									990	6.6	1.05		5.1	98.8	12.4	49.6	236.0000	1.82		7.29		46.6	17.9
SdAR-M2 (U.S.G.S.) Meas									998	7	1.0		5.5	95	12.9	53	244	1.8		2.7		44.6	17.9
SdAR-M2 (U.S.G.S.) Cert									990	6.6	1.05		5.1	98.8	12.4	49.6	236.0000	1.82		7.29		46.6	17.9
SdAR-M2 (U.S.G.S.) Meas									1010	7	1.1		5.7	97	13.7	44	246	1.8		3.8		44.7	17.7
SdAR-M2 (U.S.G.S.) Cert									990	6.6	1.05		5.1	98.8	12.4	49.6	236.0000	1.82		7.29		46.6	17.9
410648 Orig					8.12	0.7	9150	1900	171	< 1	4.8	1.18	0.2	24	321	80	753	0.4	13.9	0.6	1.05	9.8	17.1
410648 Dup					7.57	0.8	9830	> 2000	223	< 1	4.5	1.18	0.1	23	313	79	814	0.4	14.0	0.6	1.00	9.6	16.7
410653 Orig					8.00	0.2	19	100	401	< 1	0.4	0.95	0.1	39	10.2	60	390	0.3	11.0	3.0	0.88	15.6	10.7
410653 Dup					7.33	0.3	11	200	390	< 1	0.5	0.93	< 0.1	39	9.4	58	378	0.3	10.3	3.0	0.90	15.3	10.7
410684 Orig					8.35	< 0.1	< 1	< 100	380	< 1	0.2	3.63	0.1	50	30.7	47	161	3.3	12.4	1.8	2.67	21.2	27.6
410684 Dup					8.11	< 0.1	< 1	< 100	377	1	0.2	3.71	< 0.1	48	29.4	59	160	3.3	12.3	2.0	2.35	20.5	26.6
410694 Orig					8.26	< 0.1	< 1	< 100	295	< 1	< 0.1	5.99	0.1	39	47.5	203	8.7	0.3	7.78	1.6	0.61	16.0	26.6
410694 Dup					7.63	< 0.1	< 1	< 100	303	< 1	< 0.1	5.82	< 0.1	39	47.0	218	7.2	0.3	7.87	1.6	0.57	15.8	26.8
410696 Orig					5.34	< 0.1	< 1	< 100	297	3	< 0.1	2.34	< 0.1	78	20.8	125	303	0.2	3.52	10.0	0.57	33.5	5.0
410696 Dup					6.89	< 0.1	< 1	< 100	319	3	< 0.1	2.52	< 0.1	118	22.2	111	317	0.2	3.86	3.8	0.65	52.7	5.4
410723 Orig					8.19	< 0.1	2	< 100	224	< 1	< 0.1	4.52	< 0.1	34	20.5	43	36.3	0.5	5.79	2.9	0.57	12.9	8.9
410723 Dup					9.44	< 0.1	1	< 100	243	< 1	< 0.1	4.77	< 0.1	42	21.5	46	41.6	0.5	6.23	2.8	0.59	18.0	9.2
410748 Orig					7.45	< 0.1	2	< 100	288	< 1	< 0.1	5.38	< 0.1	26	24.9	78	37.8	0.3	8.33	2.2	0.72	10.0	7.9
410748 Dup					7.80	< 0.1	2	< 100	283	< 1	< 0.1	5.21	< 0.1	25	25.7	65	38.3	0.3	8.77	1.9	0.78	9.8	7.8
410750 MR Orig		3.05	0.63	2.38																			
410750 MR Dup		3.08	0.64	2.37																			
410766 Orig					7.23	< 0.1	15	400	252	< 1	< 0.1	5.11	< 0.1	21	34.7	208	136	0.7	7.43	2.2	1.08	8.3	9.4
410766 Dup					7.31	< 0.1	11	< 100	253	< 1	< 0.1	4.94	< 0.1	21	34.5	183	127	0.7	7.09	1.7	1.11	8.6	9.1
Method Blank					0.01	< 0.1	< 1	< 100	< 1	< 1	< 0.1	< 0.01	< 0.1	< 1	< 0.2	2	0.1	< 0.1	< 0.01	< 0.1	< 0.01	< 0.1	< 0.1
Method Blank					0.01	< 0.1	< 1	< 100	< 1	< 1	< 0.1	< 0.01	< 0.1	< 1	< 0.2	2	0.2	< 0.1	< 0.01	< 0.1	< 0.01	< 0.1	< 0.1
Method Blank					< 0.01	< 0.1	< 1	< 100	< 1	< 1	< 0.1	< 0.01	< 0.1	< 1	< 0.2	3	0.3	< 0.1	< 0.01	< 0.1	< 0.01	< 0.1	< 0.1
Method Blank					< 0.01	< 0.1	< 1	< 100	< 1	< 1	< 0.1	< 0.01	< 0.1	< 1	< 0.2	3	0.4	< 0.1	< 0.01	< 0.1	< 0.01	< 0.1	< 0.1
Method Blank					0.01	< 0.1	< 1	< 100	< 1	< 1	< 0.1	< 0.01	< 0.1	< 1	< 0.2	5	0.3	< 0.1	0.02	< 0.1	< 0.01	0.1	< 0.1
Method Blank					0.01	< 0.1	< 1	< 100	< 1	< 1	< 0.1	< 0.01	< 0.1	< 1	< 0.2	5	0.3	< 0.1	< 0.01	< 0.1	< 0.01	< 0.1	< 0.1
Method Blank		< 0.005	< 0.01	< 0.01																			
Method Blank	< 0.1																						
Method Blank	< 0.1																						
Method Blank	< 0.1																						
Method Blank	< 0.1																						
Method Blank	< 0.1																						
Method Blank	< 0.1																						
Method Blank	< 0.1																						
Method Blank	< 0.1																						

Analyte Symbol	Te	Cu	Pb	Zn	Al	Ag	As	Au	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Cs	Fe	Hf	K	La	Li
Unit Symbol	ppm	%	%	%	%	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm
Lower Limit	0.1	0.005	0.01	0.01	0.01	0.1	1	100	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.1	0.01	0.1	0.01	0.1	0.1
Method Code	TD-MS	FUS-Na2O2	FUS-Na2O2	FUS-Na2O2	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	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	< 0.1																						
Method Blank	< 0.1																						
Method Blank	< 0.1																						
Method Blank					0.02	< 0.1	< 1	< 100	< 1	< 1	< 0.1	< 0.01	< 0.1	< 1	< 0.2	5	0.1	< 0.1	< 0.01	< 0.1	< 0.01	< 0.1	< 0.1
Method Blank					0.01	< 0.1	< 1	< 100	< 1	< 1	< 0.1	< 0.01	< 0.1	< 1	< 0.2	5	< 0.1	< 0.1	< 0.01	< 0.1	< 0.01	< 0.1	< 0.1
Method Blank					< 0.01	< 0.1	< 1	< 100	< 1	< 1	< 0.1	< 0.01	< 0.1	< 1	< 0.2	7	< 0.1	< 0.1	< 0.01	< 0.1	< 0.01	< 0.1	< 0.1
Method Blank					< 0.01	< 0.1	< 1	< 100	< 1	< 1	< 0.1	< 0.01	< 0.1	< 1	< 0.2	10	< 0.1	< 0.1	< 0.01	< 0.1	< 0.01	< 0.1	< 0.1
Method Blank					0.02	< 0.1	< 1	< 100	< 1	< 1	< 0.1	< 0.01	< 0.1	< 1	< 0.2	7	< 0.1	< 0.1	< 0.01	< 0.1	< 0.01	< 0.1	< 0.1
Method Blank					0.01	< 0.1	< 1	< 100	< 1	< 1	< 0.1	< 0.01	< 0.1	< 1	< 0.2	3	< 0.1	< 0.1	< 0.01	< 0.1	< 0.01	< 0.1	< 0.1

Analyte Symbol	Na	Nb	Ni	P	Rb	Pb	S	Mg	Mn	Mo	Sb	Sc	Sn	Sr	Ta	Th	Ti	Tl	U	V	W	Y	Zn
Unit Symbol	%	ppm	ppm	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.1	0.1	0.001	0.1	0.1	1	0.01	1	0.1	0.1	1	0.1	1	0.1	0.1	0.001	0.05	0.1	4	0.1	0.1	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-1 Meas	0.031	0.7	42.9	0.060	2.7	802	< 1	0.20	844	17.3	30.7	< 1	29.8	298	< 0.1	2.6	0.022	0.40	34.1	82	154	26.5	775
GXR-1 Cert	0.0520	0.800	41.0	0.0650	14.0	730	0.257	0.217	852	18.0	122	1.58	54.0	275	0.175	2.44	0.036	0.390	34.9	80.0	164	32.0	760
GXR-1 Meas	0.033	0.8	44.0	0.059	3.0	828	< 1	0.20	911	18.6	28.7	< 1	30.4	308	< 0.1	2.7	0.024	0.42	35.0	87	160	27.8	813
GXR-1 Cert	0.0520	0.800	41.0	0.0650	14.0	730	0.257	0.217	852	18.0	122	1.58	54.0	275	0.175	2.44	0.036	0.390	34.9	80.0	164	32.0	760
GXR-1 Meas	0.038	0.7	39.6	0.067	2.6	782	< 1	0.21	869	17.8	31.1	1	30.2	286	< 0.1	2.7	0.027	0.42	32.0	77	157	28.7	781
GXR-1 Cert	0.0520	0.800	41.0	0.0650	14.0	730	0.257	0.217	852	18.0	122	1.58	54.0	275	0.175	2.44	0.036	0.390	34.9	80.0	164	32.0	760
GXR-1 Meas	0.037	0.8	39.5	0.068	2.7	787	< 1	0.21	916	19.9	53.6	1	35.1	305	< 0.1	2.5	0.024	0.41	32.0	79	161	30.9	813
GXR-1 Cert	0.0520	0.800	41.0	0.0650	14.0	730	0.257	0.217	852	18.0	122	1.58	54.0	275	0.175	2.44	0.036	0.390	34.9	80.0	164	32.0	760
DH-1a Meas																787			2170				
DH-1a Cert																910			2629				
DH-1a Meas																850			2330				
DH-1a Cert																910			2629				
DH-1a Meas																883			2410				
DH-1a Cert																910			2629				
DH-1a Meas																896			2410				
DH-1a Cert																910			2629				
GXR-4 Meas	0.559	9.1	43.8	0.146	131	50.3	3	1.80	153	310	4.2	7	7.3	218	0.6	17.9	0.257	3.25	5.5	92	36.0	12.4	73
GXR-4 Cert	0.564	10.0	42.0	0.120	160	52.0	1.77	1.66	155	310	4.80	7.70	5.60	221	0.790	22.5	0.29	3.20	6.20	87.0	30.8	14.0	73.0
GXR-4 Meas	0.522	8.7	40.6	0.136	131	49.7	2	1.65	148	301	4.1	7	7.3	222	0.6	19.7	0.246	3.12	5.4	89	33.8	12.2	70
GXR-4 Cert	0.564	10.0	42.0	0.120	160	52.0	1.77	1.66	155	310	4.80	7.70	5.60	221	0.790	22.5	0.29	3.20	6.20	87.0	30.8	14.0	73.0
GXR-4 Meas	0.574	10.8	41.9	0.166	141	52.0	2	1.80	168	315	4.6	8	8.0	208	0.7	20.0	0.295	3.49	5.8	86	38.5	13.6	80
GXR-4 Cert	0.564	10.0	42.0	0.120	160	52.0	1.77	1.66	155	310	4.80	7.70	5.60	221	0.790	22.5	0.29	3.20	6.20	87.0	30.8	14.0	73.0
GXR-4 Meas																							
GXR-4 Cert																							
PTM-1a Meas																							
PTM-1a Cert																							
SDC-1 Meas	1.40	4.2	33.1	0.053	84.6	23.1		0.88	797		0.1	14	1.3	169	0.3	10.0	0.316	0.58	2.3	70	0.3		97
SDC-1 Cert	1.52	21.00	38.0	0.0690	127.00	25.00		1.02	880.00		0.54	17.00	3.00	180.00	1.20	12.00	0.606	0.70	3.10	102.00	0.80		103.00
SDC-1 Meas	1.53	4.9	35.6	0.056	87.6	24.1		0.97	850		0.1	16	1.0	179	0.3	11.0	0.313	0.60	2.7	69	0.2		103
SDC-1 Cert	1.52	21.00	38.0	0.0690	127.00	25.00		1.02	880.00		0.54	17.00	3.00	180.00	1.20	12.00	0.606	0.70	3.10	102.00	0.80		103.00
SDC-1 Meas	1.56	0.5	34.3	0.064	86.7	25.3		1.01	899		< 0.1	15	0.7	167	< 0.1	11.7	0.274	0.68	3.2	60	< 0.1		101
SDC-1 Cert	1.52	21.00	38.0	0.0690	127.00	25.00		1.02	880.00		0.54	17.00	3.00	180.00	1.20	12.00	0.606	0.70	3.10	102.00	0.80		103.00
SDC-1 Meas	1.62	0.1	33.8	0.064	79.0	24.6		1.07	903		< 0.1	14	0.2	165	< 0.1	11.2	0.105	0.64	2.7	35	0.3		106
SDC-1 Cert	1.52	21.00	38.0	0.0690	127.00	25.00		1.02	880.00		0.54	17.00	3.00	180.00	1.20	12.00	0.606	0.70	3.10	102.00	0.80		103.00
GXR-6 Meas	0.080	0.3	22.9	0.030	65.5	87.1	< 1	0.53	885	0.5	0.2	24	0.5	36	< 0.1	3.8		1.90	1.2	109	< 0.1	9.4	113
GXR-6 Cert	0.104	7.50	27.0	0.0350	90.0	101	0.0160	0.609	1010	2.40	3.60	27.6	1.70	35.0	0.485	5.30		2.20	1.54	186	1.90	14.0	118
GXR-6 Meas	0.080	< 0.1	25.7	0.030	77.0	101	< 1	0.54	1000	0.2	0.2	26	0.3	34	< 0.1	4.5		2.20	1.3	94	< 0.1	10.9	133
GXR-6 Cert	0.104	7.50	27.0	0.0350	90.0	101	0.0160	0.609	1010	2.40	3.60	27.6	1.70	35.0	0.485	5.30		2.20	1.54	186	1.90	14.0	118
GXR-6 Meas	0.093	0.1	24.7	0.039	71.3	104	< 1	0.60	1090	0.3	0.2	26	0.3	36	< 0.1	5.4		2.37	1.5	112	0.2	12.6	133
GXR-6 Cert	0.104	7.50	27.0	0.0350	90.0	101	0.0160	0.609	1010	2.40	3.60	27.6	1.70	35.0	0.485	5.30		2.20	1.54	186	1.90	14.0	118
GXR-6 Meas																							
GXR-6 Cert																							

Analyte Symbol	Na	Nb	Ni	P	Rb	Pb	S	Mg	Mn	Mo	Sb	Sc	Sn	Sr	Ta	Th	Ti	Tl	U	V	W	Y	Zn
Unit Symbol	%	ppm	ppm	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.1	0.1	0.001	0.1	0.1	1	0.01	1	0.1	0.1	1	0.1	1	0.1	0.1	0.001	0.05	0.1	4	0.1	0.1	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
MP-1b Meas																							
MP-1b Cert																							
DNC-1a Meas		1.4	262		0.8	5.4					0.8	28		137			0.235			137		11.0	60
DNC-1a Cert		3	247		5	6.3					0.96	31		144			0.29			148		18.0	70
DNC-1a Meas		1.3	286		3.5	5.6					0.5	35		148			0.271			151		15.2	65
DNC-1a Cert		3	247		5	6.3					0.96	31		144			0.29			148		18.0	70
DNC-1a Meas		1.6	267		3.4	5.7					0.5	32		152			0.306			140		16.8	66
DNC-1a Cert		3	247		5	6.3					0.96	31		144			0.29			148		18.0	70
DNC-1a Meas		1.6	259		3.6	5.6					0.4	31		144			0.304			149		16.7	66
DNC-1a Cert		3	247		5	6.3					0.96	31		144			0.29			148		18.0	70
SBC-1 Meas		11.6	87.4		122	34.9				2.1	0.9	21	3.1	180	0.8	14.6	0.416	0.84	5.4	217	1.5	27.9	186
SBC-1 Cert		15.3	82.8		147	35.0				2.4	1.01	20.0	3.3	178.0	1.10	15.8	0.51	0.89	5.76	220.0	1.60	36.5	186
SBC-1 Meas		12.2	89.3		135	35.5				2.3	1.0	21	3.4	180	0.7	14.6	0.455	0.89	5.6	223	1.6	28.3	192
SBC-1 Cert		15.3	82.8		147	35.0				2.4	1.01	20.0	3.3	178.0	1.10	15.8	0.51	0.89	5.76	220.0	1.60	36.5	186
SBC-1 Meas		11.5	85.9		113	37.3				2.6	1.1	20	3.0	175	0.8	15.8	0.471	0.96	5.9	210	1.6	30.5	204
SBC-1 Cert		15.3	82.8		147	35.0				2.4	1.01	20.0	3.3	178.0	1.10	15.8	0.51	0.89	5.76	220.0	1.60	36.5	186
SBC-1 Meas		12.7	87.1		135	36.1				2.4	1.1	20	3.7	169	0.5	15.6	0.497	0.95	5.8	216	1.8	31.2	199
SBC-1 Cert		15.3	82.8		147	35.0				2.4	1.01	20.0	3.3	178.0	1.10	15.8	0.51	0.89	5.76	220.0	1.60	36.5	186
OREAS 45d (4-Acid) Meas	0.082	2.2	235	0.031	40.9	21.8	< 1	0.23	468	0.6	< 0.1	55	0.8	32	0.2	13.6	0.221	0.24	2.7	94	0.4	10.2	45
OREAS 45d (4-Acid) Cert	0.101	14.50	231.0	0.042	42.1	21.8	0.049	0.245	490.000	2.500	0.82	49.30	2.78	31.30	1.02	14.5	0.773	0.27	2.63	235.0	1.62	9.53	45.7
OREAS 45d (4-Acid) Meas	0.079	0.2	242	0.031	39.4	21.2	< 1	0.21	462	0.4	< 0.1	52	0.5	31	< 0.1	13.5	0.182	0.24	2.7	93	0.1	9.9	42
OREAS 45d (4-Acid) Cert	0.101	14.50	231.0	0.042	42.1	21.8	0.049	0.245	490.000	2.500	0.82	49.30	2.78	31.30	1.02	14.5	0.773	0.27	2.63	235.0	1.62	9.53	45.7
OREAS 45d (4-Acid) Meas	0.090	0.2	239	0.038	39.9	22.5	< 1	0.25	503	0.2	< 0.1	53	0.4	30	< 0.1	14.6	0.137	0.27	3.0	79	< 0.1	11.7	46
OREAS 45d (4-Acid) Cert	0.101	14.50	231.0	0.042	42.1	21.8	0.049	0.245	490.000	2.500	0.82	49.30	2.78	31.30	1.02	14.5	0.773	0.27	2.63	235.0	1.62	9.53	45.7
OREAS 45d (4-Acid) Meas	0.084	3.4	224	0.042	39.2	21.3	< 1	0.24	513	1.0	< 0.1	48	1.2	30	0.1	13.9	0.527	0.26	2.7	172	0.2	11.1	38
OREAS 45d (4-Acid) Cert	0.101	14.50	231.0	0.042	42.1	21.8	0.049	0.245	490.000	2.500	0.82	49.30	2.78	31.30	1.02	14.5	0.773	0.27	2.63	235.0	1.62	9.53	45.7
SdAR-M2 (U.S.G.S.) Meas		15.2	56.4		149	779				12.7		3		152	0.9	13.2			2.3	26	1.5	23.2	821
SdAR-M2 (U.S.G.S.) Cert		26.2	48.8		149	808				13.3		4.1		144	1.8	14.2			2.53	25.2	2.8	32.7	760
SdAR-M2 (U.S.G.S.) Meas		2.0	51.9		143	765				8.1		4		139	0.1	13.0			2.3	21	0.2	23.0	787
SdAR-M2 (U.S.G.S.) Cert		26.2	48.8		149	808				13		4.1		144	1.8	14.2			2.53	25.2	2.8	32.7	760
SdAR-M2 (U.S.G.S.) Meas		3.1	49.1		87.6	807				12.2		4		141	< 0.1	14.8			2.6	24	0.2	24.1	798
SdAR-M2		26.2	48.8		149	808				13.3		4.1		144	1.8	14.2			2.53	25.2	2.8	32.7	760

Analyte Symbol	Na	Nb	Ni	P	Rb	Pb	S	Mg	Mn	Mo	Sb	Sc	Sn	Sr	Ta	Th	Ti	Tl	U	V	W	Y	Zn
Unit Symbol	%	ppm	ppm	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.1	0.1	0.001	0.1	0.1	1	0.01	1	0.1	0.1	1	0.1	1	0.1	0.1	0.001	0.05	0.1	4	0.1	0.1	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
(U.S.G.S.) Cert																							
SdAR-M2 (U.S.G.S.) Meas		2.2	50.5		90.8	802				11.2		4		141	< 0.1	13.7			2.4	24	0.3	24.7	797
SdAR-M2 (U.S.G.S.) Cert		26.2	48.8		149	808				13.3		4.1		144	1.8	14.2			2.53	25.2	2.8	32.7	760
410648 Orig	0.252	3.1	20.6	0.048	22.3	4.5	2	1.99	970	5.4	4.6	18	0.8	36	< 0.1	2.0	0.231	0.16	11.6	152	37.2	14.9	68
410648 Dup	0.238	2.9	19.4	0.051	23.0	4.2	2	1.94	925	5.5	4.6	19	0.8	36	< 0.1	1.4	0.269	0.15	0.8	149	31.3	14.1	67
410653 Orig	1.83	0.3	14.1	0.134	17.4	2.4	< 1	1.51	879	1.6	< 0.1	17	0.3	225	< 0.1	2.6	0.349	0.09	2.2	63	0.5	26.8	76
410653 Dup	1.80	0.4	14.0	0.134	16.5	2.5	< 1	1.55	848	1.5	< 0.1	17	0.2	216	< 0.1	2.5	0.327	0.09	2.1	61	0.5	25.4	74
410684 Orig	1.38	0.9	14.2	0.143	101	0.8	< 1	2.07	784	0.4	< 0.1	27	0.3	212	< 0.1	2.3	0.361	0.82	1.0	103	< 0.1	31.3	79
410684 Dup	1.28	1.9	13.8	0.140	88.2	0.9	< 1	2.04	802	0.5	< 0.1	27	0.6	201	< 0.1	2.3	0.459	0.82	1.0	112	< 0.1	30.4	79
410694 Orig	1.41	2.1	161	0.125	14.2	0.6	< 1	4.69	1530	0.4	< 0.1	27	0.4	193	< 0.1	1.1	0.508	0.08	0.5	126	< 0.1	20.7	182
410694 Dup	1.36	2.7	161	0.120	14.2	0.5	< 1	4.76	1520	0.5	< 0.1	28	0.4	192	< 0.1	1.1	0.544	0.08	0.5	139	< 0.1	20.6	181
410696 Orig	4.38	33.5	5.0	0.097	6.5	6.5	< 1	0.25	390	13.0	0.4	< 1	3.2	261	2.5	3.5	0.202	0.07	1.6	5	0.3	8.0	29
410696 Dup	4.49	21.3	5.5	0.084	10.4	6.9	< 1	0.30	397	12.9	0.5	< 1	3.4	328	0.2	5.6	0.219	0.09	2.2	6	0.3	10.2	29
410723 Orig	3.12	8.0	4.9	0.092	10.0	4.0	< 1	1.64	975	2.9	0.4	22	1.4	308	0.4	2.4	0.660	0.10	1.0	150	0.4	20.7	80
410723 Dup	3.19	3.4	4.6	0.097	19.8	4.1	< 1	1.76	974	1.3	0.1	24	0.8	347	< 0.1	3.2	0.502	0.11	1.1	118	< 0.1	24.4	87
410748 Orig	2.21	< 0.1	7.7	0.087	17.6	3.4	< 1	1.78	1770	0.2	< 0.1	26	< 0.1	226	< 0.1	1.2	0.250	0.06	0.7	102	< 0.1	26.7	113
410748 Dup	2.22	0.1	7.7	0.087	17.8	3.3	< 1	1.77	1790	0.3	< 0.1	26	< 0.1	223	< 0.1	1.2	0.218	0.07	0.7	89	< 0.1	26.6	109
410750 MR Orig																							
410750 MR Dup																							
410766 Orig	2.22	0.1	31.9	0.057	26.2	1.9	< 1	2.50	1120	0.5	< 0.1	34	< 0.1	216	< 0.1	1.4	0.315	0.12	0.8	160	< 0.1	19.6	58
410766 Dup	2.23	< 0.1	30.4	0.053	26.9	1.9	< 1	2.34	1070	0.1	< 0.1	34	< 0.1	219	< 0.1	1.4	0.149	0.13	0.8	96	< 0.1	19.4	57
Method Blank	< 0.001	< 0.1	< 0.1	< 0.001	< 0.1	< 0.1	< 1	< 0.01	9	< 0.1	< 0.1	< 1	< 0.1	< 1	< 0.1	< 0.1	0.001	< 0.05	< 0.1	< 4	< 0.1	< 0.1	< 1
Method Blank	< 0.001	< 0.1	< 0.1	< 0.001	< 0.1	< 0.1	< 1	< 0.01	9	< 0.1	< 0.1	< 1	< 0.1	< 1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.1	< 4	< 0.1	< 0.1	< 1
Method Blank	< 0.001	< 0.1	< 0.1	< 0.001	< 0.1	< 0.1	< 1	< 0.01	9	< 0.1	< 0.1	< 1	< 0.1	< 1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.1	< 4	< 0.1	< 0.1	< 1
Method Blank	< 0.001	< 0.1	< 0.1	< 0.001	< 0.1	< 0.1	< 1	< 0.01	9	< 0.1	< 0.1	< 1	< 0.1	< 1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.1	< 4	0.1	< 0.1	< 1
Method Blank	< 0.001	< 0.1	< 0.1	< 0.001	0.2	< 0.1	< 1	< 0.01	6	< 0.1	< 0.1	< 1	0.2	< 1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.1	< 4	< 0.1	< 0.1	< 1
Method Blank	< 0.001	< 0.1	< 0.1	< 0.001	< 0.1	< 0.1	< 1	< 0.01	6	< 0.1	< 0.1	< 1	0.1	< 1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.1	< 4	< 0.1	< 0.1	< 1
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	< 0.001	< 0.1	< 0.1	< 0.001	0.2	< 0.1	< 1	< 0.01	8	< 0.1	< 0.1	< 1	< 0.1	< 1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.1	< 4	< 0.1	< 0.1	< 1
Method Blank	< 0.001	< 0.1	< 0.1	< 0.001	< 0.1	< 0.1	< 1	< 0.01	8	< 0.1	< 0.1	< 1	< 0.1	< 1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.1	< 4	< 0.1	< 0.1	< 1

Analyte Symbol	Na	Nb	Ni	P	Rb	Pb	S	Mg	Mn	Mo	Sb	Sc	Sn	Sr	Ta	Th	Ti	Tl	U	V	W	Y	Zn
Unit Symbol	%	ppm	ppm	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.1	0.1	0.001	0.1	0.1	1	0.01	1	0.1	0.1	1	0.1	1	0.1	0.1	0.001	0.05	0.1	4	0.1	0.1	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	< 0.001	< 0.1	< 0.1	< 0.001	< 0.1	< 0.1	< 1	< 0.01	8	< 0.1	< 0.1	< 1	< 0.1	< 1	< 0.1	< 0.1	0.001	< 0.05	< 0.1	< 4	< 0.1	< 0.1	< 1
Method Blank	< 0.001	< 0.1	< 0.1	< 0.001	< 0.1	< 0.1	< 1	< 0.01	5	0.1	< 0.1	< 1	< 0.1	< 1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.1	< 4	< 0.1	< 0.1	< 1
Method Blank	< 0.001	< 0.1	< 0.1	< 0.001	0.2	< 0.1	< 1	< 0.01	8	0.1	< 0.1	< 1	0.7	< 1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.1	< 4	< 0.1	< 0.1	< 1
Method Blank	< 0.001	< 0.1	< 0.1	< 0.001	< 0.1	< 0.1	< 1	< 0.01	4	0.1	< 0.1	< 1	< 0.1	< 1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.1	< 4	< 0.1	< 0.1	< 1

Analyte Symbol	Zr
Unit Symbol	ppm
Lower Limit	0.1
Method Code	TD-MS
GXR-1 Meas	20.0
GXR-1 Cert	38.0
GXR-1 Meas	20.2
GXR-1 Cert	38.0
GXR-1 Meas	17.9
GXR-1 Cert	38.0
GXR-1 Meas	22.0
GXR-1 Cert	38.0
DH-1a Meas	
DH-1a Cert	
DH-1a Meas	
DH-1a Cert	
DH-1a Meas	
DH-1a Cert	
DH-1a Meas	
DH-1a Cert	
GXR-4 Meas	40.1
GXR-4 Cert	186
GXR-4 Meas	45.1
GXR-4 Cert	186
GXR-4 Meas	43.6
GXR-4 Cert	186
GXR-4 Meas	
GXR-4 Cert	
PTM-1a Meas	
PTM-1a Cert	
SDC-1 Meas	36.7
SDC-1 Cert	290.00
SDC-1 Meas	42.5
SDC-1 Cert	290.00
SDC-1 Meas	43.9
SDC-1 Cert	290.00
SDC-1 Meas	34.3
SDC-1 Cert	290.00
GXR-6 Meas	56.5
GXR-6 Cert	110
GXR-6 Meas	44.3
GXR-6 Cert	110
GXR-6 Meas	74.0
GXR-6 Cert	110
GXR-6 Meas	
GXR-6 Cert	

Analyte Symbol	Zr
Unit Symbol	ppm
Lower Limit	0.1
Method Code	TD-MS
MP-1b Meas	
MP-1b Cert	
DNC-1a Meas	32.3
DNC-1a Cert	38.0
DNC-1a Meas	33.9
DNC-1a Cert	38.0
DNC-1a Meas	41.1
DNC-1a Cert	38.0
DNC-1a Meas	39.8
DNC-1a Cert	38.0
SBC-1 Meas	106
SBC-1 Cert	134.0
SBC-1 Meas	111
SBC-1 Cert	134.0
SBC-1 Meas	122
SBC-1 Cert	134.0
SBC-1 Meas	122
SBC-1 Cert	134.0
OREAS 45d (4-Acid) Meas	47.3
OREAS 45d (4-Acid) Cert	141
OREAS 45d (4-Acid) Meas	47.5
OREAS 45d (4-Acid) Cert	141
OREAS 45d (4-Acid) Meas	47.3
OREAS 45d (4-Acid) Cert	141
OREAS 45d (4-Acid) Meas	138
OREAS 45d (4-Acid) Cert	141
SdAR-M2 (U.S.G.S.) Meas	131
SdAR-M2 (U.S.G.S.) Cert	259
SdAR-M2 (U.S.G.S.) Meas	89.0
SdAR-M2 (U.S.G.S.) Cert	259
SdAR-M2 (U.S.G.S.) Meas	101
SdAR-M2	259

Analyte Symbol	Zr
Unit Symbol	ppm
Lower Limit	0.1
Method Code	TD-MS
(U.S.G.S.) Cert	
SdAR-M2 (U.S.G.S.) Meas	121
SdAR-M2 (U.S.G.S.) Cert	259
410648 Orig	36.6
410648 Dup	36.2
410653 Orig	115
410653 Dup	114
410684 Orig	74.3
410684 Dup	79.2
410694 Orig	72.2
410694 Dup	73.3
410696 Orig	479
410696 Dup	306
410723 Orig	117
410723 Dup	117
410748 Orig	88.6
410748 Dup	77.0
410750 MR Orig	
410750 MR Dup	
410766 Orig	83.9
410766 Dup	65.0
Method Blank	0.1
Method Blank	0.2
Method Blank	< 0.1
Method Blank	0.4
Method Blank	0.7
Method Blank	< 0.1
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	0.4
Method Blank	0.2

Analyte Symbol	Zr
Unit Symbol	ppm
Lower Limit	0.1
Method Code	TD-MS
Method Blank	0.2
Method Blank	0.2
Method Blank	0.5
Method Blank	0.8

Quality Analysis ... *Innovative Technologies*

Date Submitted: 03-Oct-17
Invoice No.: A17-10826
Invoice Date: 16-Nov-17
Your Reference: SG17-1297 39146A TRUE NORTH NICKEL

Techni-Lab Abitibi Inc.(Actlabs)
184 Rue Principale
Ste-Germaine-Boule Quebec J0Z 1M0
Canada

ATTN: Andre Caouette

CERTIFICATE OF ANALYSIS

189 Pulp samples were submitted for analysis.

The following analytical package(s) were requested: Code UT-4M Total Digestion ICP/MS

REPORT **A17-10826**

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:

Any values for Au are for informational purposes and should be checked by fire assay code 1A2

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
41 Bittern Street, Ancaster, Ontario, Canada, L9G 4V5
TELEPHONE +905 648-9611 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Ancaster@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Te	Al	Ag	As	Au	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Cs	Fe	Hf	K	La	Li	Na	Nb	Ni
Unit Symbol	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm
Lower Limit	0.1	0.01	0.1	1	100	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.1	0.01	0.1	0.01	0.1	0.1	0.001	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
409876	< 0.1	7.52	< 0.1	13	< 100	742	1	0.1	3.32	< 0.1	33	17.0	68	77.1	1.2	5.82	2.9	1.85	13.9	13.4	2.51	4.8	6.7
409877	< 0.1	6.60	< 0.1	21	< 100	831	1	0.1	3.85	0.1	30	15.5	83	76.5	1.1	5.91	2.3	1.57	13.3	5.5	1.90	0.9	5.8
409878	< 0.1	6.98	< 0.1	21	< 100	755	1	< 0.1	3.86	0.2	29	14.9	80	40.1	1.3	5.73	2.9	2.06	11.4	2.8	1.72	2.1	6.4
409879	< 0.1	6.49	< 0.1	56	< 100	612	1	< 0.1	3.39	0.1	29	14.4	73	22.8	1.7	5.64	2.9	1.55	12.5	2.8	0.768	2.2	6.1
409880 MR	0.3	4.77	1.0	3	1000	53	< 1	6.5	3.86	0.1	14	18.0	134	4690	207	22.3	0.6	1.16	5.1	111	0.747	2.2	17.8
409881	< 0.1	5.61	< 0.1	74	< 100	526	1	0.1	4.55	0.1	24	16.5	98	77.8	1.2	5.17	3.0	1.78	10.6	5.6	1.39	4.3	10.9
409882	0.2	6.15	0.1	47	< 100	501	2	0.5	5.94	0.2	32	27.0	164	135	0.7	10.1	2.6	1.22	14.8	26.7	0.884	9.0	34.5
409883	0.1	5.65	0.2	34	300	681	1	0.6	7.97	< 0.1	29	20.4	97	77.5	0.9	7.89	2.4	1.46	12.6	23.4	1.75	7.3	32.2
409884	0.2	3.43	0.2	26	400	434	1	0.7	5.73	0.5	17	27.7	154	182	0.6	11.3	2.2	1.08	8.1	29.1	0.234	8.1	60.5
409885	< 0.1	7.46	< 0.1	30	< 100	298	1	0.6	6.84	0.4	40	25.4	151	143	0.5	9.89	2.4	0.79	18.4	28.0	0.191	6.5	45.2
409886	< 0.1	6.79	< 0.1	17	< 100	516	1	0.3	5.30	0.2	32	27.9	93	151	0.6	8.38	1.9	0.90	14.9	27.4	1.80	3.8	25.4
409887	< 0.1	5.46	< 0.1	16	< 100	427	2	0.2	4.60	0.1	25	29.6	83	213	0.5	7.79	1.5	0.91	11.8	23.4	1.43	3.2	19.2
409888	< 0.1	7.34	< 0.1	11	< 100	646	1	0.1	4.69	< 0.1	30	27.8	66	47.0	0.8	7.20	1.6	1.43	14.3	27.0	2.10	1.3	19.2
409889	< 0.1	6.55	< 0.1	22	< 100	626	< 1	0.1	5.56	< 0.1	29	25.1	71	119	1.2	6.52	1.6	1.52	13.6	18.7	1.64	3.6	18.1
409890 BLC	< 0.1	6.57	< 0.1	< 1	< 100	408	1	< 0.1	1.87	< 0.1	18	5.9	190	8.8	0.7	1.52	1.4	1.34	8.8	8.2	3.00	2.7	23.5
409891	< 0.1	6.31	< 0.1	29	< 100	887	1	0.1	5.33	0.1	29	25.4	140	114	1.9	8.26	1.5	2.07	13.6	4.1	0.557	3.9	18.6
409892	< 0.1	6.21	< 0.1	21	< 100	865	1	0.2	5.48	0.1	28	24.5	81	75.2	1.4	7.38	1.4	1.79	13.3	8.5	0.981	2.9	18.0
409893	< 0.1	5.92	< 0.1	19	< 100	1000	1	0.1	6.28	0.1	27	26.7	76	209	1.4	7.23	1.4	1.88	12.4	8.8	0.982	3.6	16.2
409894	< 0.1	5.85	< 0.1	19	< 100	945	1	< 0.1	5.89	0.2	27	21.1	83	73.7	1.6	6.57	1.4	1.87	13.0	3.2	0.667	2.8	13.7
409895	< 0.1	4.62	< 0.1	6	< 100	646	< 1	< 0.1	5.08	< 0.1	19	19.0	77	59.1	0.7	6.20	1.4	1.31	6.6	7.8	2.13	3.6	13.4
409896	< 0.1	6.99	< 0.1	3	< 100	468	< 1	< 0.1	3.29	< 0.1	31	22.9	78	81.7	0.5	6.93	1.9	0.72	14.3	16.7	3.17	4.2	14.8
409897	< 0.1	7.05	< 0.1	1	< 100	516	< 1	< 0.1	3.50	< 0.1	30	21.2	67	74.9	0.5	6.89	1.8	0.75	13.4	15.3	3.35	2.7	15.4
409898	< 0.1	7.34	< 0.1	3	< 100	711	1	< 0.1	3.93	< 0.1	33	22.9	77	65.4	0.8	6.82	1.7	1.13	15.0	15.6	2.99	0.9	16.2
409899	< 0.1	6.28	0.1	5	< 100	630	1	< 0.1	4.09	< 0.1	27	18.7	88	53.0	0.9	5.92	1.5	1.36	12.4	8.8	2.60	1.0	14.5
409900	< 0.1	6.91	< 0.1	9	< 100	535	< 1	0.1	4.39	< 0.1	34	22.4	62	89.6	0.7	6.38	1.1	1.31	15.5	7.0	3.22	0.3	16.5
409901	< 0.1	7.48	< 0.1	10	< 100	544	< 1	0.1	4.27	0.2	34	21.1	62	90.1	0.7	6.34	1.8	1.33	15.9	6.5	3.43	1.4	16.0
409902	< 0.1	7.12	< 0.1	10	< 100	520	1	0.2	1.05	< 0.1	50	3.0	86	37.1	0.6	1.29	3.4	1.54	24.9	2.5	3.54	8.1	3.0
409903	< 0.1	6.82	0.2	22	200	553	1	0.5	0.67	0.3	50	3.2	163	10.4	0.6	1.25	3.6	1.68	24.1	3.2	3.54	9.7	3.5
409904	< 0.1	6.69	< 0.1	17	< 100	639	1	0.2	3.31	< 0.1	38	15.0	104	35.9	1.0	4.63	2.4	1.81	18.5	2.3	2.87	6.0	10.6
409905	< 0.1	4.86	< 0.1	16	< 100	624	< 1	< 0.1	4.63	< 0.1	20	19.4	86	51.1	1.0	5.73	1.6	1.85	7.4	2.0	2.39	4.6	14.1
409906	< 0.1	6.37	< 0.1	17	< 100	517	< 1	< 0.1	4.14	0.3	27	19.4	91	88.9	1.0	6.14	1.8	1.64	12.4	2.2	2.92	2.8	13.5
409907	< 0.1	6.43	0.2	57	< 100	595	1	1.0	4.00	0.1	46	11.5	143	80.5	1.4	3.39	3.5	1.92	22.8	7.0	2.23	9.5	46.8
409908	0.1	7.39	0.2	16	100	770	2	1.7	1.39	< 0.1	69	6.2	204	73.6	1.2	2.36	5.5	1.94	34.8	4.3	3.01	12.4	8.8
409909	0.1	7.11	0.4	7	< 100	646	2	2.0	1.69	0.1	65	5.7	103	130	1.0	2.10	5.1	1.82	33.3	4.8	3.19	11.4	7.9
409910 MR	2.5	5.64	4.0	15	1900	355	1	0.1	4.14	0.3	23	10.7	27	97.7	5.8	2.98	1.7	2.06	11.2	40.0	0.981	2.4	12.4
409911	0.1	7.39	0.2	6	< 100	502	2	1.0	1.55	0.7	68	5.7	124	187	0.8	2.56	5.3	1.57	34.1	6.7	4.00	11.1	7.3
409912	0.1	7.38	0.3	4	< 100	620	2	1.6	1.45	0.8	68	5.5	116	86.7	0.9	2.87	5.4	1.92	33.9	8.6	3.53	11.5	8.0
409913	< 0.1	7.17	< 0.1	4	< 100	689	2	0.8	1.09	0.8	68	5.4	146	60.7	1.0	2.65	5.6	2.17	33.9	9.6	3.36	11.6	7.1
409914	< 0.1	7.01	< 0.1	< 1	< 100	776	2	0.6	1.76	< 0.1	64	5.4	109	44.1	0.9	2.48	5.5	1.75	31.5	9.2	3.28	9.9	6.9
409915	< 0.1	8.20	< 0.1	2	< 100	951	2	0.2	3.18	< 0.1	61	9.7	128	31.7	1.1	3.74	5.0	1.73	28.8	15.2	3.19	11.2	12.0
409916	< 0.1	8.06	< 0.1	< 1	< 100	723	2	0.2	2.85	< 0.1	62	10.0	96	52.6	0.9	3.97	4.8	1.57	30.3	14.6	3.39	8.9	12.4
409917	< 0.1	8.41	< 0.1	5	< 100	751	2	0.2	3.55	< 0.1	61	11.1	92	35.4	1.4	3.84	4.8	1.91	28.4	15.1	3.48	11.3	12.5

Analyte Symbol	Te	Al	Ag	As	Au	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Cs	Fe	Hf	K	La	Li	Na	Nb	Ni
Unit Symbol	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm
Lower Limit	0.1	0.01	0.1	1	100	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.1	0.01	0.1	0.01	0.1	0.1	0.001	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
409918	< 0.1	8.44	< 0.1	3	< 100	857	2	0.3	2.95	< 0.1	65	10.6	103	28.5	1.6	3.64	4.4	1.94	32.3	17.2	3.26	8.2	12.4
409919	< 0.1	8.06	< 0.1	2	< 100	807	2	0.1	2.92	< 0.1	57	10.8	93	39.4	0.8	3.70	4.1	1.80	25.9	19.1	3.42	5.7	12.2
409920 BLC	< 0.1	6.88	< 0.1	< 1	< 100	444	1	< 0.1	1.85	< 0.1	19	6.2	214	65.3	0.8	1.64	1.3	1.38	9.3	8.1	3.19	1.6	26.8
409921	< 0.1	8.01	< 0.1	2	100	861	2	0.3	2.92	< 0.1	56	12.0	100	34.1	2.3	4.09	4.6	2.15	25.7	23.3	3.38	11.9	13.9
409922	< 0.1	7.56	< 0.1	2	< 100	689	2	0.2	2.89	< 0.1	48	10.3	96	20.8	1.5	3.76	4.7	1.85	21.8	21.4	3.24	7.7	13.3
409923	< 0.1	4.82	< 0.1	4	< 100	820	2	0.2	2.30	< 0.1	35	11.2	151	19.9	2.0	3.83	4.9	1.66	10.7	19.4	3.32	15.2	12.9
409924	< 0.1	7.01	0.1	63	< 100	773	2	0.2	0.82	< 0.1	34	1.4	135	101	0.6	0.98	2.9	2.19	17.4	3.4	4.19	12.1	3.5
409925	< 0.1	6.52	0.4	753	< 100	736	2	0.4	0.70	< 0.1	28	1.1	147	87.2	0.6	0.87	2.8	2.05	14.4	2.4	4.10	11.5	2.5
409926	< 0.1	6.90	< 0.1	50	< 100	778	2	0.1	1.07	< 0.1	37	2.3	94	92.9	0.7	1.35	3.5	1.48	18.6	5.0	3.41	11.2	4.5
409927	< 0.1	6.52	0.1	9	< 100	816	2	0.1	0.76	< 0.1	31	0.9	141	157	0.4	0.87	2.8	2.34	16.0	1.8	3.72	12.2	3.0
409928	< 0.1	5.61	0.1	36	< 100	758	2	0.1	0.77	< 0.1	26	0.7	96	106	0.4	0.86	2.5	2.23	13.5	1.7	3.87	12.1	2.4
409929	< 0.1	6.97	0.1	46	< 100	755	2	0.1	0.83	< 0.1	31	0.8	124	122	0.3	0.89	2.8	2.35	15.7	1.8	4.17	12.8	2.7
409930	< 0.1	5.88	0.1	35	< 100	748	2	0.2	0.71	< 0.1	28	0.8	102	112	0.4	0.86	2.6	2.38	14.5	1.8	4.02	12.0	3.0
409931	< 0.1	6.06	0.2	38	< 100	738	2	0.2	0.91	< 0.1	31	1.2	118	98.3	0.3	0.84	2.9	1.62	15.9	2.8	4.22	11.3	2.6
409932	< 0.1	6.41	< 0.1	7	100	730	2	0.3	2.03	0.1	58	6.2	107	36.0	0.9	2.66	5.6	1.88	27.8	12.9	3.16	12.2	7.9
409933	< 0.1	3.47	< 0.1	17	< 100	659	2	0.1	0.74	< 0.1	5	0.9	138	116	0.2	0.74	2.6	1.31	2.1	1.7	4.66	11.4	2.1
409934	< 0.1	6.62	< 0.1	6	< 100	713	2	0.1	1.18	< 0.1	23	1.5	87	117	0.3	0.85	2.8	0.57	11.7	1.7	3.94	11.9	2.8
409935	< 0.1	7.00	0.1	6	< 100	652	3	0.2	1.05	< 0.1	24	1.5	126	133	0.3	0.83	2.8	1.56	11.9	1.7	4.20	11.2	2.8
409936	< 0.1	7.26	0.2	12	< 100	686	3	0.2	1.09	< 0.1	29	1.3	105	97.4	0.3	0.89	2.7	1.50	15.0	2.1	4.29	11.5	3.2
409937	< 0.1	7.46	< 0.1	3	< 100	396	1	0.6	4.23	< 0.1	36	23.2	80	211	0.8	5.88	2.9	0.97	16.5	12.9	2.95	2.7	11.4
409938	< 0.1	7.59	0.1	2	< 100	132	< 1	0.1	5.99	0.1	14	33.6	70	259	0.5	7.56	1.5	0.64	5.9	9.1	2.28	0.9	20.0
409939	< 0.1	7.21	< 0.1	1	< 100	91	< 1	< 0.1	5.61	0.2	13	28.2	88	142	0.3	6.68	1.4	0.44	5.3	7.4	2.37	0.3	17.6
409940 MR	0.4	4.70	0.7	261	300	622	< 1	5.4	3.90	< 0.1	77	351	41	5420	0.7	18.5	3.1	3.06	55.6	15.3	0.995	6.1	72.0
409941	< 0.1	7.46	0.1	3	< 100	181	< 1	0.2	5.84	0.1	14	33.7	49	180	0.6	7.70	1.9	0.85	5.8	9.4	2.28	3.2	20.9
409942	< 0.1	7.28	< 0.1	98	< 100	282	< 1	0.3	4.90	< 0.1	42	24.2	57	230	0.6	6.37	4.0	0.80	19.7	20.7	2.39	8.5	16.9
409943	< 0.1	7.27	0.1	5	< 100	126	< 1	0.2	5.61	0.2	13	32.9	34	345	0.7	7.77	1.9	0.76	5.5	12.7	2.09	3.0	18.4
409944	< 0.1	5.18	0.1	3	< 100	109	< 1	0.1	5.96	0.2	10	37.0	58	285	0.3	8.18	1.8	0.56	3.8	9.0	2.46	3.6	18.1
409945	< 0.1	7.21	< 0.1	1	< 100	86	< 1	0.1	7.48	0.2	14	35.8	69	260	0.4	8.13	1.7	0.49	5.7	7.5	1.83	1.3	18.7
409946	< 0.1	7.34	< 0.1	2	< 100	72	< 1	0.1	7.70	0.1	14	35.3	98	228	0.3	8.17	1.4	0.40	6.1	6.9	1.97	0.3	19.5
409947	< 0.1	7.28	0.1	307	< 100	177	< 1	0.4	6.02	< 0.1	14	34.7	60	190	0.6	7.61	1.4	0.81	5.9	10.8	2.42	0.5	18.0
409948	0.5	5.91	0.1	4460	200	100	1	0.5	7.40	0.1	12	33.4	52	56.7	0.6	5.23	1.6	0.60	5.0	21.8	2.44	4.2	15.3
409949	< 0.1	7.02	< 0.1	420	< 100	146	1	0.5	5.32	< 0.1	12	33.5	41	78.7	0.7	7.48	0.9	0.90	5.0	36.5	1.54	0.2	17.9
409950 BLC	< 0.1	5.98	< 0.1	< 1	< 100	419	< 1	< 0.1	1.55	< 0.1	17	5.7	204	7.8	0.7	1.51	1.4	0.72	8.1	8.0	2.83	2.5	21.4
409951	< 0.1	7.63	< 0.1	32	< 100	154	< 1	0.1	4.88	0.1	13	35.1	29	117	0.3	7.64	1.2	0.35	5.6	21.7	2.43	0.2	18.2
409952	< 0.1	7.15	< 0.1	86	< 100	257	< 1	0.2	5.86	0.3	13	33.2	42	69.0	0.8	7.43	1.1	0.82	5.6	23.5	1.83	0.3	18.3
409953	< 0.1	7.82	< 0.1	9	< 100	144	< 1	0.2	7.02	< 0.1	16	36.0	43	94.1	0.8	7.29	1.4	0.97	6.9	12.3	1.88	0.2	20.1
409954	< 0.1	7.05	< 0.1	3	< 100	93	< 1	< 0.1	7.00	< 0.1	12	33.7	96	159	0.6	7.34	0.9	0.58	5.1	12.1	1.22	0.2	18.6
409955	< 0.1	6.52	0.1	2	< 100	136	< 1	< 0.1	6.35	0.1	12	36.9	69	304	0.7	7.83	1.3	0.74	5.1	12.6	1.15	0.4	18.1
409956	< 0.1	7.47	< 0.1	5	< 100	131	< 1	0.1	5.45	< 0.1	14	36.9	46	58.7	0.9	7.39	1.0	0.77	5.7	27.8	1.28	0.1	22.5
409957	< 0.1	7.60	< 0.1	249	< 100	461	1	0.6	3.11	< 0.1	50	11.0	66	141	1.1	3.34	5.1	1.73	23.0	11.3	2.94	11.1	4.9
409958	< 0.1	7.71	< 0.1	7	< 100	90	< 1	< 0.1	8.77	< 0.1	12	35.7	199	162	0.8	7.68	1.2	0.91	5.3	14.9	0.808	0.2	91.4
409959	< 0.1	7.35	< 0.1	4	< 100	82	< 1	< 0.1	6.29	0.5	11	37.3	108	181	0.7	6.97	1.1	1.02	4.7	32.0	0.425	0.3	43.0

Analyte Symbol	Te	Al	Ag	As	Au	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Cs	Fe	Hf	K	La	Li	Na	Nb	Ni
Unit Symbol	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm
Lower Limit	0.1	0.01	0.1	1	100	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.1	0.01	0.1	0.01	0.1	0.1	0.001	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
409960	< 0.1	7.20	< 0.1	3	< 100	80	< 1	< 0.1	5.67	< 0.1	11	34.3	115	184	0.7	6.74	1.6	0.99	4.4	31.4	0.448	1.5	42.0
409961	< 0.1	4.51	< 0.1	2	< 100	130	< 1	< 0.1	2.98	< 0.1	5	23.6	149	59.3	0.5	4.53	1.3	0.97	2.2	23.9	0.371	2.2	17.2
409962	< 0.1	7.88	< 0.1	3	< 100	70	< 1	< 0.1	6.89	< 0.1	14	40.9	77	80.3	0.2	7.89	1.4	0.34	5.6	5.3	2.74	0.1	20.0
409963	< 0.1	7.46	< 0.1	4	< 100	205	< 1	0.1	4.80	0.1	13	37.0	41	51.9	0.4	7.45	1.0	0.39	5.4	17.3	2.90	0.1	27.7
409964	< 0.1	8.08	< 0.1	7	< 100	332	< 1	0.1	5.96	< 0.1	29	23.7	208	56.8	0.8	5.56	0.7	1.82	13.3	35.6	1.29	0.2	86.3
409965	< 0.1	9.91	< 0.1	< 1	< 100	276	< 1	< 0.1	5.16	< 0.1	28	18.1	56	49.1	0.7	5.25	1.0	1.27	13.1	17.0	1.52	0.4	20.3
409966	< 0.1	10.1	< 0.1	< 1	< 100	325	< 1	< 0.1	4.84	< 0.1	34	16.8	63	141	1.1	5.09	1.6	1.68	15.5	15.2	1.59	2.1	6.6
409967	< 0.1	7.62	< 0.1	29	< 100	204	< 1	< 0.1	6.82	0.1	21	28.7	203	61.1	1.0	5.76	0.9	1.55	9.7	20.8	0.963	0.8	136
409968	< 0.1	8.62	< 0.1	9	< 100	322	< 1	< 0.1	4.98	< 0.1	21	21.7	58	30.9	1.1	4.87	0.9	2.34	9.8	17.7	0.799	1.0	39.4
409969	< 0.1	7.43	< 0.1	30	< 100	385	< 1	< 0.1	5.62	< 0.1	21	22.4	95	73.5	1.1	5.37	0.7	2.36	9.1	14.1	0.483	1.0	42.2
409970 MR	0.3	6.28	1.1	3	900	80	< 1	6.1	3.85	< 0.1	18	17.6	37	4390	72.0	22.3	1.2	2.58	9.8	112	0.743	13.6	17.0
409971	< 0.1	7.77	< 0.1	15	< 100	317	< 1	< 0.1	5.62	< 0.1	30	25.5	118	127	1.3	5.27	1.5	1.77	13.8	20.8	1.06	1.9	31.0
409972	< 0.1	5.42	< 0.1	3	< 100	352	< 1	< 0.1	5.45	< 0.1	17	24.8	116	97.2	0.8	4.98	1.7	1.61	6.4	18.4	0.868	6.8	26.5
409973	< 0.1	7.26	< 0.1	< 1	< 100	246	< 1	0.2	6.10	< 0.1	29	29.5	150	138	0.7	5.97	1.0	0.81	13.1	17.9	1.02	0.8	26.8
409974	< 0.1	8.25	0.1	< 1	< 100	412	< 1	0.1	5.21	0.2	34	34.7	139	140	0.6	6.84	0.8	1.05	15.2	16.8	1.04	1.0	38.5
409975	< 0.1	8.86	< 0.1	< 1	< 100	499	< 1	< 0.1	5.53	< 0.1	30	25.8	116	163	0.6	6.91	0.5	1.52	12.6	15.5	0.875	0.4	31.3
409976	< 0.1	8.62	0.1	< 1	< 100	382	< 1	< 0.1	6.70	< 0.1	32	24.8	108	210	0.6	6.60	0.5	1.33	14.0	14.3	0.823	0.3	26.5
409977	< 0.1	8.64	< 0.1	< 1	< 100	381	< 1	< 0.1	7.51	< 0.1	32	25.3	90	113	0.5	6.80	0.4	1.32	14.2	12.9	0.732	0.3	24.3
409978	< 0.1	8.39	< 0.1	< 1	< 100	517	< 1	< 0.1	6.10	< 0.1	31	27.1	107	107	0.5	6.99	0.8	1.11	13.9	12.7	1.36	0.2	30.6
409979	< 0.1	9.70	< 0.1	< 1	< 100	561	< 1	< 0.1	5.42	< 0.1	32	25.6	95	30.7	0.5	6.06	0.9	1.37	14.0	13.5	2.48	1.3	47.9
409980 BLC	< 0.1	6.43	< 0.1	< 1	< 100	405	1	< 0.1	1.81	< 0.1	17	5.7	182	27.5	0.7	1.49	1.3	1.29	8.4	8.0	2.99	1.5	24.6
409981	< 0.1	8.47	< 0.1	< 1	< 100	197	1	< 0.1	6.95	0.1	72	34.2	74	73.9	0.4	6.55	1.7	0.65	30.0	7.0	2.31	3.4	51.9
409982	< 0.1	9.62	< 0.1	< 1	< 100	326	< 1	< 0.1	6.65	< 0.1	26	25.3	86	69.4	0.7	6.11	0.6	0.97	10.9	12.8	1.39	1.2	37.6
409983	< 0.1	6.19	< 0.1	< 1	< 100	693	< 1	< 0.1	7.53	< 0.1	17	22.3	378	90.7	0.3	5.67	1.9	0.67	7.1	8.5	1.32	5.9	59.2
409984	< 0.1	9.56	< 0.1	< 1	< 100	312	< 1	0.1	5.59	< 0.1	24	26.7	95	107	0.6	6.11	1.5	0.96	10.4	12.9	1.71	2.6	26.5
409985	< 0.1	7.48	< 0.1	< 1	< 100	238	< 1	< 0.1	8.25	< 0.1	24	22.8	89	85.1	0.3	6.11	1.2	0.54	10.6	6.9	1.08	0.9	16.7
409986	< 0.1	8.62	< 0.1	< 1	< 100	294	< 1	< 0.1	7.00	< 0.1	19	22.4	81	107	0.6	5.91	1.1	0.82	8.3	15.4	1.14	0.9	21.8
409987	< 0.1	9.39	< 0.1	< 1	< 100	223	< 1	< 0.1	9.45	< 0.1	16	27.6	57	138	0.4	6.92	0.6	0.53	7.1	14.0	0.894	0.5	23.3
409988	< 0.1	9.78	< 0.1	< 1	< 100	324	< 1	< 0.1	7.11	< 0.1	17	24.2	63	60.6	0.6	5.77	0.9	0.89	7.6	9.8	1.65	0.7	20.8
409989	< 0.1	9.66	< 0.1	< 1	< 100	404	< 1	< 0.1	6.05	< 0.1	34	25.6	106	91.7	0.6	6.45	1.6	0.96	14.9	11.4	1.67	1.9	20.8
409990	< 0.1	8.99	< 0.1	< 1	< 100	427	< 1	< 0.1	5.96	0.1	33	26.1	101	116	0.6	6.73	1.4	0.94	14.1	11.0	1.57	1.0	22.6
409991	< 0.1	9.23	< 0.1	< 1	< 100	191	< 1	< 0.1	7.37	< 0.1	35	22.3	122	85.7	0.3	6.81	1.7	0.39	15.8	11.1	1.38	1.0	18.4
409992	< 0.1	8.40	< 0.1	< 1	< 100	230	< 1	< 0.1	5.97	< 0.1	33	20.8	103	43.5	0.3	5.61	2.1	0.53	15.2	11.9	1.46	0.8	17.6
409993	< 0.1	7.77	< 0.1	1	< 100	312	< 1	< 0.1	5.89	< 0.1	22	21.5	97	56.7	0.4	5.60	1.6	0.67	9.9	15.5	1.76	1.8	20.6
409994	< 0.1	8.16	< 0.1	< 1	< 100	397	< 1	< 0.1	5.05	< 0.1	26	20.1	83	74.8	0.5	6.02	1.9	0.76	11.2	14.3	1.72	1.8	17.3
409995	< 0.1	8.56	< 0.1	3	< 100	432	< 1	< 0.1	6.11	< 0.1	31	26.1	137	75.3	0.4	6.83	1.3	0.69	14.0	13.7	1.41	1.2	27.4
409996	< 0.1	8.86	< 0.1	5	< 100	724	< 1	< 0.1	5.66	< 0.1	33	24.1	104	76.4	0.6	6.47	1.2	0.97	14.7	13.8	1.48	1.5	33.1
409997	< 0.1	8.23	< 0.1	12	< 100	299	< 1	< 0.1	5.55	< 0.1	29	24.4	110	44.0	0.7	6.09	1.2	1.02	12.9	14.1	1.13	1.8	34.3
409998	< 0.1	8.32	< 0.1	5	< 100	1310	< 1	< 0.1	4.74	< 0.1	30	19.8	100	57.3	0.6	5.82	1.3	1.17	13.7	13.2	0.950	1.0	31.2
409999	< 0.1	7.98	< 0.1	3	< 100	84	< 1	< 0.1	5.53	< 0.1	29	25.9	153	43.7	0.4	5.42	1.6	0.80	13.1	11.4	1.97	6.4	24.7
410000 MR	0.6	4.32	40.8	93	900	286	< 1	20.7	1.61	142	26	275	30	> 10000	1.2	16.0	2.8	1.00	10.7	10.5	0.486	5.8	20.2
410001	< 0.1	8.43	< 0.1	< 1	< 100	582	< 1	< 0.1	6.29	< 0.1	25	22.4	114	50.0	0.4	5.12	1.2	0.73	11.8	15.5	1.84	0.3	38.4

Analyte Symbol	Te	Al	Ag	As	Au	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Cs	Fe	Hf	K	La	Li	Na	Nb	Ni
Unit Symbol	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm
Lower Limit	0.1	0.01	0.1	1	100	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.1	0.01	0.1	0.01	0.1	0.1	0.001	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
410002	< 0.1	7.30	< 0.1	6	< 100	329	< 1	< 0.1	6.71	< 0.1	22	33.1	183	45.5	0.5	6.42	0.5	0.71	9.4	36.2	1.31	0.1	106
410003	< 0.1	7.71	< 0.1	< 1	< 100	164	< 1	< 0.1	7.40	0.3	19	46.2	209	69.6	0.2	7.76	0.8	0.37	7.5	11.7	1.67	0.1	156
410004	< 0.1	7.88	< 0.1	< 1	< 100	145	< 1	< 0.1	7.44	< 0.1	25	43.7	203	61.0	0.2	7.72	1.1	0.28	10.0	14.6	1.52	1.6	145
410005	< 0.1	9.18	< 0.1	< 1	< 100	286	< 1	< 0.1	6.84	< 0.1	18	32.1	116	88.9	0.3	5.99	1.3	0.47	8.0	17.8	1.86	1.9	68.4
410006	< 0.1	8.82	0.1	< 1	< 100	415	< 1	< 0.1	8.46	< 0.1	16	22.3	80	197	0.3	5.12	0.6	0.61	7.1	11.7	1.41	1.2	37.3
410007	< 0.1	9.44	< 0.1	< 1	< 100	468	< 1	< 0.1	7.01	< 0.1	25	26.6	136	123	0.5	5.39	1.6	0.89	11.1	14.7	1.49	2.8	47.9
410008	< 0.1	8.21	< 0.1	53	< 100	717	< 1	< 0.1	5.09	0.1	29	22.0	104	100.0	1.2	4.38	1.9	3.36	13.6	10.7	0.636	1.6	36.0
410009	0.1	7.93	0.2	6740	600	742	< 1	< 0.1	8.25	0.2	50	17.1	78	12.3	1.1	3.37	2.5	3.48	24.2	6.9	0.295	6.8	27.4
410010 BLC	< 0.1	5.01	< 0.1	< 1	< 100	340	1	< 0.1	1.62	< 0.1	10	5.8	221	9.0	0.7	1.48	1.2	1.44	3.0	8.2	3.09	3.2	23.1
410011	< 0.1	8.04	< 0.1	22	< 100	669	< 1	< 0.1	3.84	< 0.1	30	16.4	79	42.5	1.2	4.24	2.2	2.13	13.7	11.2	0.355	0.4	25.2
410012	0.2	8.24	0.1	54	< 100	408	< 1	< 0.1	5.23	< 0.1	18	44.0	73	126	1.1	5.91	1.8	2.46	7.9	18.0	0.244	6.7	52.4
410013	0.2	7.39	0.4	25	< 100	249	< 1	0.1	5.18	< 0.1	14	33.8	164	71.9	1.0	6.26	0.8	2.24	6.2	18.0	0.400	2.0	66.5
410014	0.2	7.78	0.2	4	< 100	424	< 1	0.2	5.21	< 0.1	26	23.9	78	61.9	1.3	5.07	1.6	2.30	11.7	21.7	0.493	5.8	25.9
410015	< 0.1	8.53	< 0.1	13	< 100	330	< 1	0.1	4.70	< 0.1	20	28.2	105	47.5	1.1	5.31	1.8	2.91	8.9	25.1	0.420	5.0	64.1
410016	< 0.1	9.11	< 0.1	4	< 100	361	< 1	< 0.1	6.78	< 0.1	18	20.6	107	62.9	0.4	4.83	1.3	0.93	8.3	13.8	1.20	1.4	40.1
410017	< 0.1	7.97	< 0.1	1	< 100	273	< 1	< 0.1	4.66	0.4	19	18.8	134	110	0.3	3.53	2.1	0.93	9.0	13.9	1.69	4.9	39.2
410018	< 0.1	6.86	< 0.1	1	< 100	73	< 1	0.2	9.11	0.1	16	45.7	259	71.8	0.2	7.46	1.1	0.30	7.1	11.2	1.37	4.5	308
410019	< 0.1	6.36	< 0.1	6	< 100	66	< 1	< 0.1	9.30	< 0.1	18	51.1	345	91.5	0.1	7.10	1.3	0.23	7.6	13.8	1.72	3.8	279
410020	< 0.1	6.09	< 0.1	8	< 100	72	< 1	< 0.1	9.15	< 0.1	18	49.6	356	84.6	0.1	6.80	1.3	0.25	7.7	13.5	1.77	3.1	275
410021	< 0.1	6.24	< 0.1	< 1	< 100	53	< 1	0.2	10.0	< 0.1	94	30.5	638	25.9	0.1	7.32	1.1	0.22	67.8	9.0	1.51	0.1	218
410022	< 0.1	5.34	< 0.1	4	< 100	102	< 1	0.2	8.96	< 0.1	14	45.2	518	127	1.4	8.19	0.6	0.39	6.8	15.4	0.399	0.2	336
410023	< 0.1	6.49	< 0.1	8	< 100	162	< 1	0.1	6.12	< 0.1	38	55.0	415	222	2.0	8.83	1.8	0.68	21.3	18.2	1.64	0.4	384
410024	< 0.1	9.16	< 0.1	22	< 100	341	< 1	< 0.1	4.52	< 0.1	29	38.4	51	103	1.0	6.66	1.3	1.81	13.0	45.6	1.85	0.4	54.3
410025	< 0.1	3.04	0.2	64	< 100	83	< 1	< 0.1	8.64	18.7	21	28.1	324	51.8	0.4	4.91	0.9	0.50	9.7	20.5	0.026	1.7	232
410026	< 0.1	5.02	< 0.1	15	< 100	57	< 1	0.2	9.74	< 0.1	27	66.1	504	188	1.3	10.8	1.4	0.27	16.9	14.5	0.419	0.2	434
410027	< 0.1	5.10	0.4	< 1	200	112	< 1	0.2	9.30	< 0.1	28	77.6	440	1050	0.2	10.5	1.1	0.45	17.0	13.0	0.842	0.6	497
410028	< 0.1	6.91	< 0.1	< 1	< 100	127	< 1	0.2	8.71	< 0.1	23	44.9	329	445	0.2	10.1	0.5	0.57	12.1	9.0	1.62	0.1	299
410029	0.1	5.18	< 0.1	< 1	< 100	111	< 1	0.1	8.80	< 0.1	46	55.2	712	356	0.4	11.3	1.8	0.63	30.7	13.9	0.745	4.0	469
410030 MR	0.2	4.60	0.6	262	300	263	< 1	5.8	4.01	< 0.1	94	373	44	5560	0.7	19.2	3.2	2.60	79.8	16.3	0.988	3.9	75.9
410031	< 0.1	5.90	< 0.1	< 1	< 100	124	< 1	0.1	8.56	< 0.1	65	54.1	575	264	0.3	10.9	1.4	0.57	45.9	10.9	1.27	0.2	415
410032	< 0.1	5.88	< 0.1	< 1	< 100	145	< 1	0.1	8.02	< 0.1	29	52.4	467	401	0.1	10.7	1.7	0.56	17.3	12.0	1.60	0.5	366
410033	< 0.1	6.20	< 0.1	< 1	< 100	96	< 1	< 0.1	8.39	< 0.1	38	58.3	373	203	0.2	10.5	1.4	0.46	24.8	12.6	1.58	0.1	432
410034	< 0.1	4.71	< 0.1	< 1	< 100	97	< 1	< 0.1	8.30	< 0.1	17	75.7	552	246	0.5	11.5	1.8	0.45	9.7	13.0	0.939	0.3	825
410035	< 0.1	5.11	< 0.1	2	< 100	234	< 1	0.1	7.54	< 0.1	16	55.6	419	128	5.1	10.7	1.4	0.96	8.4	13.0	1.03	2.3	501
410036	< 0.1	4.82	< 0.1	7	< 100	120	< 1	< 0.1	9.85	< 0.1	17	32.7	250	99.6	0.6	6.15	1.2	0.23	7.8	26.4	1.09	2.2	255
410037	< 0.1	6.66	< 0.1	3	< 100	177	< 1	< 0.1	6.13	< 0.1	40	33.9	268	38.8	0.5	5.26	2.6	0.24	19.3	34.3	2.41	4.7	201
410038	< 0.1	3.92	< 0.1	7	< 100	41	< 1	< 0.1	8.75	< 0.1	7	66.4	616	226	4.7	10.7	1.3	0.61	3.2	16.6	0.076	2.1	664
410039	< 0.1	3.76	< 0.1	4	< 100	72	< 1	0.1	8.45	< 0.1	9	72.9	692	199	6.8	12.3	1.4	0.70	4.3	15.1	0.031	1.9	626
410040 BLC	< 0.1	4.28	< 0.1	< 1	< 100	354	< 1	< 0.1	1.59	< 0.1	8	5.5	230	7.6	0.7	1.39	1.3	1.23	2.3	7.5	2.93	2.8	22.1
410041	< 0.1	4.54	0.2	2	700	39	< 1	< 0.1	8.73	< 0.1	16	48.6	716	76.7	1.1	7.39	1.3	0.12	7.9	24.4	0.893	0.2	509
410042	< 0.1	6.61	< 0.1	< 1	< 100	125	< 1	< 0.1	6.45	< 0.1	37	36.2	430	54.1	1.5	5.07	1.0	0.38	17.4	25.0	2.43	0.2	237
410043	< 0.1	7.67	< 0.1	< 1	< 100	467	1	< 0.1	4.93	< 0.1	48	31.2	179	45.0	1.1	5.19	1.6	1.24	23.1	17.4	2.67	0.2	142

Analyte Symbol	Te	Al	Ag	As	Au	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Cs	Fe	Hf	K	La	Li	Na	Nb	Ni
Unit Symbol	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm
Lower Limit	0.1	0.01	0.1	1	100	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.1	0.01	0.1	0.01	0.1	0.1	0.001	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
410044	< 0.1	3.01	< 0.1	< 1	< 100	3	< 1	< 0.1	13.3	< 0.1	6	64.9	848	115	0.3	5.64	1.0	0.01	2.3	9.8	0.012	0.1	983
410045	< 0.1	2.67	< 0.1	< 1	< 100	3	< 1	< 0.1	16.2	< 0.1	5	60.2	786	55.9	0.2	5.13	0.9	0.01	1.9	8.4	0.023	0.2	977
410046	< 0.1	6.19	0.3	1	< 100	113	< 1	0.8	7.06	0.3	28	215	333	1010	0.4	10.4	2.1	0.52	12.6	8.0	0.702	1.0	285
410047	< 0.1	7.00	0.3	5	< 100	346	< 1	0.2	5.49	0.1	17	60.8	241	936	0.6	7.89	1.7	1.40	7.3	15.3	1.72	4.1	163
410048	< 0.1	6.52	< 0.1	< 1	< 100	232	< 1	< 0.1	6.27	< 0.1	12	38.4	102	47.9	0.9	8.35	1.2	1.25	4.8	22.1	1.09	1.0	46.8
410049	< 0.1	6.31	2.7	< 1	< 100	183	< 1	0.6	6.91	0.6	27	113	88	5010	0.5	10.8	1.5	0.85	16.0	9.6	0.423	3.0	88.6
410050	0.1	6.83	2.2	< 1	< 100	207	< 1	0.6	6.87	0.6	31	86.9	85	4340	0.4	9.96	1.7	1.03	17.2	9.2	0.698	4.5	70.3
410051	0.2	6.24	0.2	< 1	< 100	285	< 1	0.2	6.36	0.2	16	53.7	283	605	0.3	7.99	2.1	1.28	6.2	10.9	1.68	5.9	123
410052	< 0.1	6.44	< 0.1	6	< 100	202	< 1	0.5	5.68	< 0.1	12	118	502	344	0.3	9.40	1.3	1.09	5.0	19.9	0.966	0.4	210
410053	< 0.1	8.62	< 0.1	< 1	< 100	312	< 1	0.2	4.74	< 0.1	19	52.3	72	285	0.4	8.54	0.7	1.50	7.5	14.1	2.22	0.2	40.5
410054	< 0.1	6.94	0.3	10	< 100	151	< 1	0.3	7.77	< 0.1	39	69.1	44	859	0.3	9.51	0.6	0.88	21.6	21.6	0.761	0.1	16.0
410055	< 0.1	6.61	0.5	< 1	700	56	< 1	0.8	10.7	0.2	52	46.5	60	1400	0.1	9.13	1.4	0.46	33.9	12.0	0.320	1.4	16.4
410056	< 0.1	8.42	< 0.1	2	< 100	259	1	0.2	7.11	< 0.1	38	26.9	54	83.5	0.4	6.96	1.0	1.41	16.9	14.8	1.81	0.8	17.3
410057	< 0.1	7.53	< 0.1	< 1	< 100	188	< 1	< 0.1	6.44	< 0.1	29	24.5	63	37.3	0.2	6.75	1.1	0.70	12.7	9.7	2.28	0.4	15.6
410058	< 0.1	8.36	< 0.1	< 1	< 100	406	1	< 0.1	6.08	< 0.1	63	29.1	47	83.1	0.3	8.39	1.9	0.93	27.5	9.4	2.29	0.5	13.0
410059	< 0.1	7.85	< 0.1	< 1	< 100	210	< 1	< 0.1	6.53	< 0.1	36	30.6	80	11.4	0.2	8.46	1.2	0.75	16.1	10.0	2.18	0.2	21.6
410060 MR	0.2	5.74	1.0	3	900	76	< 1	6.0	3.78	< 0.1	18	16.8	35	4300	178	21.5	0.3	2.58	9.2	115	0.697	1.8	16.0
410061	< 0.1	7.42	< 0.1	< 1	< 100	212	< 1	0.1	7.16	< 0.1	42	38.3	187	57.7	0.3	6.81	0.9	0.94	18.5	11.8	1.82	0.1	66.6
410062	< 0.1	8.20	< 0.1	< 1	< 100	413	1	< 0.1	6.19	< 0.1	39	25.4	96	88.9	0.3	6.77	1.0	0.86	16.9	14.6	2.70	0.2	34.7
410063	< 0.1	6.74	< 0.1	25	< 100	416	< 1	< 0.1	5.22	< 0.1	38	24.0	49	51.5	1.2	6.32	1.6	2.44	17.7	8.9	1.58	0.2	10.4
410064	< 0.1	7.95	< 0.1	5	600	395	< 1	< 0.1	4.39	< 0.1	33	27.6	32	61.0	1.1	7.16	1.6	1.92	14.6	16.0	2.30	0.3	16.0

Analyte Symbol	P	Rb	Pb	S	Mg	Mn	Mo	Sb	Sc	Sn	Sr	Ta	Th	Ti	Tl	U	V	W	Y	Zn	Zr	Cu	Pb
Unit Symbol	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
Lower Limit	0.001	0.1	0.1	1	0.01	1	0.1	0.1	1	0.1	1	0.1	0.1	0.001	0.05	0.1	4	0.1	0.1	1	0.1	0.005	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-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	FUS-Na2O2	FUS-Na2O2
409876	0.118	52.3	3.9	< 1	1.20	1090	3.2	2.6	20	1.5	198	0.3	2.1	0.495	0.45	1.2	92	1.3	22.2	100	116		
409877	0.105	53.6	5.0	< 1	1.13	1090	3.0	0.9	19	1.0	224	< 0.1	1.9	0.378	0.48	1.1	82	0.4	19.4	99	93.1		
409878	0.112	53.5	3.3	< 1	1.27	1190	3.5	1.8	18	1.1	232	< 0.1	1.8	0.447	0.55	1.0	89	1.3	18.4	89	115		
409879	0.114	52.1	4.1	< 1	1.13	1140	3.7	1.5	17	1.3	176	< 0.1	1.8	0.483	0.72	1.0	92	2.3	19.1	87	116		
409880 MR	0.501	378	7.7	< 1	0.68	3360	176	0.3	3	109	91	< 0.1	2.8	0.108	5.76	7.8	51	> 200	5.4	332	32.9		
409881	0.105	39.4	13.2	< 1	1.41	1260	3.3	3.8	13	1.3	243	0.1	1.3	0.435	0.61	1.0	108	3.4	12.5	105	126		
409882	0.153	20.8	13.0	1	1.72	1590	3.5	3.3	16	3.0	310	0.5	2.2	0.570	0.28	1.4	147	27.3	18.6	149	105		
409883	0.130	30.4	16.8	< 1	1.44	1570	65.5	2.3	15	2.2	283	0.4	1.8	0.452	0.35	1.3	136	13.5	21.8	149	103		
409884	0.158	7.5	20.0	1	1.39	1740	4.4	4.5	8	3.2	465	0.4	0.8	0.514	0.30	1.6	153	13.3	11.6	297	87.7		
409885	0.166	13.9	17.4	< 1	1.67	1680	3.7	3.3	20	2.5	601	0.2	4.5	0.536	0.15	15.3	151	14.7	23.5	240	90.3		
409886	0.129	18.7	9.5	< 1	1.80	1430	3.2	1.1	20	1.5	289	0.1	2.4	0.442	0.19	1.6	171	3.1	16.3	136	74.6		
409887	0.096	18.6	6.1	< 1	1.59	1450	4.6	2.9	19	1.2	275	0.1	1.9	0.332	0.18	1.4	162	8.9	11.6	92	60.5		
409888	0.125	32.6	3.6	< 1	1.83	1300	2.5	0.7	24	0.6	246	< 0.1	2.4	0.380	0.30	2.2	182	1.4	13.5	108	63.3		
409889	0.116	36.0	5.2	< 1	1.37	1170	3.6	2.2	22	1.3	240	0.2	2.1	0.396	0.32	1.6	187	3.0	13.1	91	60.5		
409890 BLC	0.023	40.2	7.0	< 1	0.56	280	14.2	< 0.1	6	0.7	372	0.2	1.4	0.158	0.26	0.4	39	0.6	6.1	22	52.8		
409891	0.110	61.9	4.5	< 1	1.67	1480	3.0	3.5	21	1.2	334	0.2	2.1	0.374	0.61	1.4	184	6.5	11.8	119	59.5		
409892	0.108	53.2	4.4	< 1	1.39	1360	4.4	2.0	21	1.1	251	< 0.1	2.0	0.353	0.50	1.5	172	30.2	12.2	107	56.5		
409893	0.104	56.8	4.1	< 1	1.55	1460	3.6	3.2	21	1.1	274	0.2	2.0	0.366	0.53	1.4	178	3.0	11.8	101	56.0		
409894	0.105	55.0	13.8	< 1	1.47	1380	5.4	3.0	21	1.1	299	0.1	1.9	0.354	0.51	1.3	166	4.0	11.5	96	59.9		
409895	0.096	22.5	2.5	< 1	1.59	1320	3.4	2.7	14	1.0	293	0.2	0.9	0.328	0.25	1.1	158	2.9	8.2	90	54.8		
409896	0.122	16.1	2.8	< 1	1.71	1050	4.3	1.7	23	1.0	247	0.2	2.2	0.425	0.13	1.5	197	2.9	12.5	99	75.1		
409897	0.118	18.7	3.1	< 1	1.65	1170	3.5	1.4	22	0.7	283	0.1	2.2	0.397	0.15	1.5	188	1.7	12.1	98	75.6		
409898	0.122	28.2	6.4	< 1	1.77	1230	2.0	0.6	25	0.4	335	< 0.1	2.3	0.341	0.23	1.6	181	0.8	13.2	104	71.8		
409899	0.108	31.0	6.8	< 1	1.48	1070	2.7	0.9	21	0.6	289	< 0.1	2.0	0.325	0.26	1.4	161	1.6	12.0	84	60.9		
409900	0.116	27.3	7.1	< 1	1.67	1110	1.1	0.7	23	0.8	290	< 0.1	2.6	0.195	0.22	1.7	120	0.3	14.5	84	43.4		
409901	0.120	27.5	4.1	< 1	1.60	1090	2.5	0.7	24	1.1	294	< 0.1	3.0	0.351	0.22	1.8	167	1.9	14.4	101	72.2		
409902	0.011	32.5	4.2	< 1	0.21	259	10.9	1.3	4	2.2	83	0.9	11.3	0.051	0.23	3.4	25	1.8	10.0	41	99.2		
409903	0.008	32.4	11.1	< 1	0.15	177	8.1	1.4	3	2.7	63	0.9	10.0	0.043	0.23	3.0	14	1.5	10.9	93	107		
409904	0.077	40.3	4.0	< 1	1.13	796	7.4	2.3	15	2.5	168	0.4	5.7	0.281	0.29	2.3	125	4.7	11.4	45	84.3		
409905	0.110	28.1	1.6	< 1	1.56	1060	4.4	2.4	13	1.4	185	0.2	0.9	0.395	0.32	1.0	178	5.2	8.5	62	64.1		
409906	0.113	34.9	2.3	< 1	1.68	1140	6.0	1.0	22	1.2	185	< 0.1	2.1	0.410	0.30	2.0	176	4.5	12.9	125	71.1		
409907	0.067	49.3	11.9	< 1	1.84	683	7.0	4.7	11	2.2	256	0.6	7.7	0.259	0.34	2.1	61	10.8	15.6	43	140		
409908	0.062	58.2	17.0	< 1	0.63	408	10.7	2.4	7	2.7	127	0.9	12.3	0.247	0.37	3.4	25	6.5	19.5	41	225		
409909	0.055	52.0	47.2	< 1	0.53	386	9.3	1.7	6	2.7	148	0.8	12.1	0.212	0.31	3.4	24	4.1	18.4	63	202		
409910 MR	0.069	73.2	20.6	< 1	0.98	697	6.6	2.3	13	0.9	274	0.1	3.0	0.285	0.99	0.8	100	3.4	9.7	91	77.6		
409911	0.054	44.9	29.4	< 1	0.61	454	11.3	1.5	7	2.4	157	0.7	11.5	0.239	0.25	3.3	26	3.4	18.8	170	215		
409912	0.059	50.9	69.4	< 1	0.73	497	10.7	3.7	7	2.5	163	0.8	11.3	0.240	0.32	3.1	26	3.0	18.3	245	227		
409913	0.056	52.4	41.5	< 1	0.63	384	13.6	4.4	6	2.5	157	0.8	11.3	0.237	0.31	3.3	25	2.2	18.0	230	231		
409914	0.053	44.7	23.8	< 1	0.44	376	9.8	1.4	6	2.5	209	0.6	10.8	0.226	0.30	2.9	24	1.1	18.3	64	220		
409915	0.111	54.6	11.4	< 1	0.89	750	11.2	0.9	8	2.8	345	0.6	9.4	0.334	0.39	3.3	41	1.2	24.1	73	217		
409916	0.120	56.8	11.1	< 1	0.96	723	26.1	0.6	7	3.0	318	0.5	8.0	0.340	0.34	2.8	43	0.8	20.4	86	209		

Analyte Symbol	P	Rb	Pb	S	Mg	Mn	Mo	Sb	Sc	Sn	Sr	Ta	Th	Ti	Tl	U	V	W	Y	Zn	Zr	Cu	Pb
Unit Symbol	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
Lower Limit	0.001	0.1	0.1	1	0.01	1	0.1	0.1	1	0.1	1	0.1	0.1	0.001	0.05	0.1	4	0.1	0.1	1	0.1	0.005	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-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	FUS-Na2O2	FUS-Na2O2
409917	0.129	69.3	10.3	< 1	0.97	684	11.3	1.5	8	3.1	275	0.8	9.1	0.350	0.43	3.1	44	2.9	21.2	85	207		
409918	0.114	73.0	14.5	< 1	0.92	669	7.2	1.1	8	2.3	353	0.6	10.0	0.322	0.45	3.1	40	0.9	21.8	78	197		
409919	0.115	58.9	10.9	< 1	0.96	685	7.4	0.4	7	2.5	321	0.3	7.7	0.329	0.35	2.6	41	0.6	19.9	78	194		
409920 BLC	0.023	42.3	7.1	< 1	0.58	289	11.7	< 0.1	6	0.7	398	0.1	1.5	0.149	0.27	0.4	36	0.2	6.4	22	50.9		
409921	0.133	85.2	9.3	< 1	1.10	768	12.4	0.8	8	3.5	336	0.8	7.2	0.359	0.53	2.4	49	3.4	19.3	91	205		
409922	0.115	68.1	8.2	< 1	0.94	704	6.9	0.4	7	3.0	295	0.4	5.8	0.322	0.40	2.2	41	0.5	17.0	80	208		
409923	0.114	58.6	8.5	< 1	0.89	712	12.6	1.2	5	3.2	288	1.0	2.8	0.369	0.51	2.2	45	1.1	12.3	102	212		
409924	0.012	56.0	13.7	< 1	0.06	100	10.1	0.5	1	0.9	125	1.3	10.2	0.031	0.29	4.3	4	1.1	14.3	9	80.3		
409925	0.007	53.6	15.6	< 1	0.03	79	13.3	1.0	1	1.0	113	1.2	8.6	0.018	0.26	3.7	< 4	2.0	12.0	6	73.4		
409926	0.021	53.3	14.3	< 1	0.13	150	9.0	0.8	3	1.0	149	1.2	9.4	0.080	0.29	3.9	11	1.2	14.2	21	103		
409927	0.007	56.5	17.2	< 1	0.02	63	15.3	0.4	1	0.8	122	1.3	9.0	0.018	0.23	3.9	< 4	1.0	13.0	7	71.5		
409928	0.006	52.4	14.0	< 1	0.02	71	7.8	0.6	1	0.9	108	1.3	7.1	0.017	0.22	3.0	< 4	2.1	11.0	5	66.3		
409929	0.007	53.9	15.5	< 1	0.03	65	13.1	0.5	1	0.8	130	1.4	9.8	0.017	0.21	4.3	< 4	1.3	14.4	6	72.7		
409930	0.007	51.9	16.5	< 1	0.02	61	8.7	0.5	1	0.9	113	1.3	8.4	0.016	0.21	3.6	< 4	1.2	11.9	7	69.4		
409931	0.008	33.8	12.5	< 1	0.04	73	12.1	0.5	2	0.9	118	1.3	8.2	0.030	0.16	3.3	4	1.8	11.9	9	78.2		
409932	0.062	53.8	11.1	< 1	0.54	394	10.1	0.6	7	2.5	196	0.8	9.3	0.259	0.29	2.5	29	13.2	19.3	59	232		
409933	0.005	20.2	11.9	< 1	< 0.01	51	11.2	0.3	< 1	0.5	53	1.4	1.3	0.015	0.12	0.7	< 4	1.0	3.0	8	66.9		
409934	0.008	18.0	9.3	< 1	0.03	72	10.7	0.7	1	0.6	106	1.4	6.6	0.019	0.13	3.3	< 4	1.2	11.3	< 1	70.5		
409935	0.007	32.4	14.5	< 1	0.02	57	13.1	0.6	1	0.8	111	1.3	7.6	0.017	0.14	3.5	< 4	1.2	11.5	7	71.4		
409936	0.007	36.1	14.3	< 1	0.05	96	8.6	0.6	2	1.0	118	1.4	9.6	0.023	0.16	4.3	5	2.4	13.5	10	70.5		
409937	0.069	38.0	8.6	< 1	1.92	1040	6.2	0.3	25	4.1	213	< 0.1	4.1	0.415	0.29	1.3	134	0.5	22.5	73	117		
409938	0.049	26.7	4.7	< 1	2.83	1400	1.3	0.2	40	1.6	157	< 0.1	1.0	0.375	0.21	0.5	183	0.2	26.8	69	57.1		
409939	0.044	17.6	3.6	< 1	2.71	1300	2.6	0.3	37	1.0	135	< 0.1	0.9	0.332	0.12	0.4	185	0.1	23.8	68	53.1		
409940 MR	0.084	82.5	8.4	2	1.07	3060	146	3.1	13	6.9	78	0.4	4.2	0.395	0.28	31.1	190	86.6	19.1	24	134		
409941	0.048	36.5	3.3	< 1	3.03	1490	2.8	0.8	40	1.9	143	0.2	1.0	0.570	0.25	0.4	257	1.8	25.1	78	75.5		
409942	0.065	31.7	6.4	< 1	2.51	1260	5.9	0.6	28	2.1	122	0.5	5.1	0.497	0.19	1.5	168	3.6	26.0	92	166		
409943	0.051	36.2	4.3	< 1	3.43	1470	3.3	1.1	38	1.5	139	0.2	1.0	0.555	0.23	0.4	251	1.1	24.6	83	75.4		
409944	0.051	10.1	3.0	< 1	3.13	1630	5.2	1.5	22	1.5	170	0.2	0.4	0.563	0.19	0.5	276	1.7	17.8	77	68.8		
409945	0.046	18.3	2.3	< 1	2.81	1550	1.5	0.3	39	1.9	216	< 0.1	1.0	0.487	0.15	1.0	248	0.5	25.5	79	65.5		
409946	0.048	14.3	2.8	< 1	3.00	1600	1.0	0.2	40	1.5	201	< 0.1	1.0	0.311	0.11	0.4	189	0.2	27.2	78	51.5		
409947	0.052	29.5	5.0	< 1	2.63	1380	0.7	0.2	38	2.5	172	< 0.1	1.0	0.342	0.21	0.5	178	0.3	26.2	80	50.6		
409948	0.044	28.6	2.0	< 1	2.43	1260	4.0	1.6	31	2.4	93	0.2	0.9	0.512	0.16	0.5	178	64.0	20.6	75	68.0		
409949	0.044	42.0	3.2	< 1	3.28	1210	0.3	< 0.1	38	1.2	105	< 0.1	0.9	0.238	0.23	0.4	150	0.5	22.6	94	32.0		
409950 BLC	0.022	30.6	6.7	< 1	0.48	264	12.0	< 0.1	6	0.6	354	0.2	1.3	0.154	0.24	0.3	36	0.4	5.7	17	54.2		
409951	0.046	12.1	5.0	< 1	3.66	1360	0.4	< 0.1	40	0.8	115	< 0.1	1.0	0.308	0.09	0.4	172	0.2	24.9	79	43.5		
409952	0.045	27.1	20.2	< 1	3.49	1420	0.6	0.5	38	0.6	159	< 0.1	0.9	0.251	0.19	0.4	145	0.9	21.2	136	41.8		
409953	0.049	36.3	3.8	< 1	3.19	1340	0.3	< 0.1	41	31.5	205	< 0.1	1.3	0.225	0.26	0.5	153	0.1	24.4	85	54.2		
409954	0.040	16.8	2.8	< 1	3.86	1210	1.3	0.3	36	0.7	149	< 0.1	0.9	0.238	0.15	0.4	157	0.1	22.1	69	31.4		
409955	0.042	21.6	2.0	< 1	4.49	1110	1.7	0.3	36	0.8	116	< 0.1	0.9	0.387	0.17	1.7	185	0.1	21.5	65	50.3		
409956	0.041	24.0	3.1	< 1	4.21	1090	0.3	< 0.1	41	< 0.1	56	< 0.1	1.0	0.185	0.18	0.4	137	< 0.1	25.3	86	40.0		
409957	0.079	46.3	3.8	< 1	0.72	401	5.0	5.4	11	2.6	114	0.7	6.7	0.332	0.31	2.0	43	3.8	17.5	32	215		
409958	0.039	22.9	2.0	< 1	4.17	1180	2.5	0.4	43	0.6	70	< 0.1	0.9	0.295	0.18	0.4	179	0.1	23.7	65	43.1		

Analyte Symbol	P	Rb	Pb	S	Mg	Mn	Mo	Sb	Sc	Sn	Sr	Ta	Th	Ti	Tl	U	V	W	Y	Zn	Zr	Cu	Pb
Unit Symbol	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
Lower Limit	0.001	0.1	0.1	1	0.01	1	0.1	0.1	1	0.1	1	0.1	0.1	0.001	0.05	0.1	4	0.1	0.1	1	0.1	0.005	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-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	FUS-Na2O2	FUS-Na2O2
409959	0.047	24.7	3.2	< 1	3.20	801	2.3	0.2	39	0.6	42	< 0.1	1.0	0.319	0.17	0.4	159	0.1	20.6	133	38.1		
409960	0.046	24.3	1.7	< 1	3.13	742	8.2	0.4	38	0.7	39	< 0.1	0.9	0.459	0.17	0.4	229	0.5	20.0	55	60.1		
409961	0.033	15.6	1.2	< 1	2.06	510	9.6	1.9	21	0.6	41	0.1	0.5	0.385	0.15	0.3	182	1.5	10.4	47	47.6		
409962	0.047	7.5	2.7	< 1	2.90	1460	0.5	< 0.1	43	0.3	90	< 0.1	1.0	0.286	0.07	0.4	195	< 0.1	25.0	105	51.3		
409963	0.044	10.5	39.1	< 1	3.06	1270	0.1	< 0.1	40	0.1	94	< 0.1	1.0	0.187	0.09	0.4	159	< 0.1	24.4	104	36.5		
409964	0.067	41.4	1.9	< 1	2.75	949	0.1	< 0.1	21	0.1	104	< 0.1	2.6	0.110	0.26	0.7	50	0.1	12.8	92	25.9		
409965	0.062	30.5	6.5	< 1	2.23	894	0.3	< 0.1	21	0.2	184	< 0.1	3.3	0.135	0.15	0.9	40	< 0.1	17.5	78	39.4		
409966	0.068	40.4	5.3	< 1	2.00	900	1.8	0.3	20	0.7	159	0.1	4.5	0.280	0.23	1.2	66	0.2	19.1	74	65.0		
409967	0.060	40.2	2.9	< 1	3.09	1180	1.5	0.3	19	0.5	146	< 0.1	1.6	0.325	0.26	0.6	114	0.1	10.5	82	33.3		
409968	0.060	57.2	1.9	< 1	2.68	930	0.5	0.3	15	0.4	128	< 0.1	1.3	0.282	0.40	0.5	91	< 0.1	8.0	75	38.3		
409969	0.062	55.5	1.9	< 1	2.59	1020	0.5	0.2	20	0.2	127	< 0.1	1.3	0.275	0.40	0.5	104	0.1	9.6	33	27.5		
409970 MR	0.520	684	7.6	< 1	0.75	3170	251	0.4	6	113	106	< 0.1	5.9	0.130	5.75	8.4	54	> 200	8.3	319	47.5		
409971	0.049	45.2	2.2	< 1	2.32	971	2.2	0.3	18	0.7	122	< 0.1	3.7	0.355	0.31	1.2	117	30.4	14.3	67	59.3		
409972	0.048	23.4	7.7	< 1	1.88	923	3.3	0.8	13	1.4	63	0.4	1.8	0.504	0.32	0.7	148	14.6	10.3	94	64.5		
409973	0.079	21.8	5.4	< 1	1.85	969	1.4	0.1	26	1.4	129	< 0.1	2.3	0.452	0.14	0.8	141	6.0	20.8	80	32.8		
409974	0.079	26.0	14.8	< 1	2.20	1010	0.5	0.1	29	1.6	154	< 0.1	3.2	0.368	0.16	1.1	98	4.7	22.0	132	23.6		
409975	0.088	34.9	5.2	< 1	2.17	1180	0.3	< 0.1	30	0.6	143	< 0.1	2.5	0.151	0.20	0.9	86	3.3	19.9	93	17.3		
409976	0.083	31.8	5.2	< 1	2.03	1280	0.3	< 0.1	28	0.2	137	< 0.1	2.5	0.158	0.17	0.9	66	2.3	22.1	103	20.5		
409977	0.085	28.4	4.6	< 1	2.00	1290	0.3	< 0.1	27	0.2	134	< 0.1	2.5	0.166	0.15	0.9	61	1.9	23.3	111	13.8		
409978	0.083	29.9	5.1	< 1	1.72	1330	0.2	< 0.1	28	0.2	183	< 0.1	2.7	0.177	0.18	0.9	84	< 0.1	20.9	96	30.8		
409979	0.069	29.2	4.5	< 1	1.94	1150	0.8	< 0.1	27	0.5	236	< 0.1	3.6	0.366	0.18	1.0	110	1.3	18.5	75	32.1		
409980 BLC	0.022	39.7	6.9	< 1	0.55	275	8.7	< 0.1	6	0.7	357	< 0.1	1.4	0.149	0.27	0.3	35	0.9	5.8	21	47.3		
409981	0.215	15.9	4.9	< 1	3.53	1190	3.2	0.6	24	1.2	541	< 0.1	3.5	0.541	0.09	1.1	175	1.3	22.8	100	77.7		
409982	0.079	26.6	4.2	< 1	2.72	1140	0.8	< 0.1	25	0.4	255	< 0.1	1.5	0.400	0.15	0.6	152	1.0	14.9	83	21.8		
409983	0.061	7.7	5.1	< 1	1.62	1030	4.9	0.8	16	1.2	143	0.4	1.3	0.614	0.12	0.5	194	2.0	11.4	45	68.4		
409984	0.067	22.8	5.7	< 1	2.09	934	2.4	0.2	22	1.4	167	0.1	1.9	0.538	0.15	0.7	167	1.0	16.8	66	56.2		
409985	0.074	11.7	3.5	< 1	2.22	1120	2.1	0.2	14	1.1	126	< 0.1	1.1	0.372	0.07	0.5	105	0.8	14.3	53	47.7		
409986	0.053	20.7	4.3	< 1	2.30	1060	1.0	0.2	20	0.6	131	< 0.1	1.7	0.274	0.13	0.6	110	0.7	13.1	62	37.0		
409987	0.055	13.3	5.2	< 1	2.68	1270	0.8	0.1	20	0.5	191	< 0.1	0.9	0.234	0.08	0.4	117	0.6	12.8	61	19.4		
409988	0.057	19.3	4.8	< 1	1.62	880	0.7	< 0.1	19	0.4	160	< 0.1	1.0	0.267	0.12	0.4	110	0.5	12.8	42	32.8		
409989	0.088	22.1	8.3	< 1	1.90	947	0.8	0.2	28	1.4	159	< 0.1	3.3	0.319	0.12	1.1	93	0.5	23.4	61	54.9		
409990	0.084	19.5	5.7	< 1	1.94	964	0.5	0.1	28	1.6	157	< 0.1	3.1	0.317	0.11	1.3	96	0.4	22.1	72	46.9		
409991	0.083	9.0	5.6	< 1	1.75	970	0.6	< 0.1	29	0.9	245	< 0.1	3.4	0.297	< 0.05	1.0	112	0.3	23.2	51	62.8		
409992	0.070	9.9	4.9	< 1	1.56	745	0.9	< 0.1	24	1.2	173	< 0.1	3.9	0.335	0.06	1.1	107	0.3	21.3	42	78.9		
409993	0.056	10.3	3.6	< 1	1.69	773	0.9	< 0.1	21	0.9	127	< 0.1	2.0	0.360	0.07	0.7	116	0.4	15.9	73	59.1		
409994	0.064	12.8	3.4	< 1	1.80	756	0.7	0.1	22	1.1	141	< 0.1	2.6	0.461	0.09	0.8	123	0.3	17.4	50	71.7		
409995	0.080	12.4	4.3	1	2.08	926	0.8	< 0.1	29	1.5	155	< 0.1	3.1	0.388	0.08	1.0	86	0.3	21.0	60	42.7		
409996	0.059	17.4	4.7	1	2.44	1000	0.8	0.1	25	1.4	174	< 0.1	4.4	0.378	0.12	1.1	103	0.3	18.4	77	45.1		
409997	0.056	19.1	4.5	1	2.72	1050	1.6	0.2	25	1.3	156	< 0.1	3.6	0.391	0.12	1.0	113	0.3	17.1	73	42.0		
409998	0.060	22.0	3.7	< 1	2.29	1020	0.7	< 0.1	24	1.1	153	< 0.1	3.8	0.285	0.13	1.8	95	0.2	18.1	84	46.7		
409999	0.049	19.6	6.2	2	2.36	968	7.7	0.9	18	1.4	214	0.4	3.6	0.484	0.09	1.2	148	0.6	15.9	69	60.4		

Analyte Symbol	P	Rb	Pb	S	Mg	Mn	Mo	Sb	Sc	Sn	Sr	Ta	Th	Ti	Tl	U	V	W	Y	Zn	Zr	Cu	Pb
Unit Symbol	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
Lower Limit	0.001	0.1	0.1	1	0.01	1	0.1	0.1	1	0.1	1	0.1	0.1	0.001	0.05	0.1	4	0.1	0.1	1	0.1	0.005	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-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	FUS-Na2O2	FUS-Na2O2
410000 MR	0.061	29.2	> 5000	> 10.0	1.32	656	16.0	33.1	8	8.3	30	0.3	2.9	0.159	1.07	1.3	33	4.3	15.8	> 10000	124	3.17	0.63
410001	0.050	16.9	3.6	< 1	2.52	882	0.3	< 0.1	19	< 0.1	237	< 0.1	3.1	0.149	0.12	1.0	69	0.2	14.0	69	47.3		
410002	0.075	16.2	13.4	< 1	3.63	938	< 0.1	< 0.1	24	< 0.1	155	< 0.1	1.5	0.126	0.13	0.5	60	0.2	15.8	85	18.0		
410003	0.084	7.1	14.1	< 1	4.78	1430	0.5	0.1	31	0.4	268	< 0.1	0.7	0.295	0.05	0.3	102	0.2	23.4	91	27.5		
410004	0.108	5.2	2.3	< 1	4.54	1400	1.8	0.1	30	0.7	277	< 0.1	1.1	0.534	< 0.05	0.4	137	0.4	28.0	90	40.0		
410005	0.053	11.0	3.2	< 1	3.06	1130	2.7	0.3	21	0.5	274	< 0.1	1.3	0.417	0.07	0.5	153	0.3	12.8	78	48.9		
410006	0.042	11.9	4.7	< 1	2.34	1180	2.2	0.2	21	0.3	240	< 0.1	0.6	0.446	0.09	0.3	172	0.3	12.0	68	22.9		
410007	0.050	21.6	5.3	< 1	2.58	1080	3.5	0.2	21	0.8	221	0.1	2.8	0.461	0.15	0.9	166	0.4	13.8	92	61.9		
410008	0.047	79.5	3.9	< 1	1.82	813	1.1	0.3	19	1.3	112	< 0.1	3.9	0.329	0.60	1.2	108	0.4	12.7	51	66.8		
410009	0.046	75.8	27.5	< 1	1.34	679	4.7	5.3	18	1.1	111	0.4	4.2	0.508	0.52	1.0	150	7.6	11.0	30	102		
410010 BLC	0.019	30.1	6.5	< 1	0.39	277	11.1	< 0.1	5	0.4	271	0.2	0.6	0.162	0.26	0.2	39	0.4	3.7	23	49.9		
410011	0.051	61.4	1.9	< 1	1.83	704	0.5	< 0.1	21	0.3	73	< 0.1	4.5	0.292	0.56	1.1	121	0.2	13.1	43	84.0		
410012	0.052	70.4	3.2	2	2.60	850	3.2	1.3	21	1.2	70	0.4	2.9	0.607	0.49	0.8	176	5.2	11.4	57	69.6		
410013	0.041	60.9	7.4	2	2.90	1070	2.0	0.7	21	4.3	61	< 0.1	1.1	0.477	0.38	0.4	173	0.8	8.6	65	27.1		
410014	0.054	59.5	3.7	1	2.66	988	5.1	1.5	19	1.2	55	0.3	3.2	0.444	0.41	1.0	160	1.0	13.5	66	62.9		
410015	0.062	71.5	4.2	2	2.78	655	4.9	0.7	20	1.1	43	0.2	2.3	0.496	0.46	0.8	167	1.9	10.0	55	73.5		
410016	0.057	23.0	6.1	< 1	2.05	772	2.8	0.4	20	0.8	163	< 0.1	1.8	0.328	0.15	0.6	133	0.2	10.3	43	48.1		
410017	0.048	18.4	9.8	< 1	2.11	566	8.3	1.7	11	0.9	151	0.3	2.2	0.348	0.12	0.9	99	1.1	8.5	60	81.3		
410018	0.058	6.3	6.0	< 1	4.49	1180	3.0	0.6	29	1.3	203	0.3	1.2	0.687	0.05	3.2	235	1.3	15.5	79	39.6		
410019	0.059	3.9	2.4	< 1	5.88	1220	2.6	1.0	36	0.9	252	0.2	1.0	0.545	< 0.05	0.5	227	0.4	15.8	64	51.1		
410020	0.057	4.4	2.4	< 1	5.72	1200	1.2	0.7	34	0.8	235	0.1	1.0	0.504	< 0.05	0.4	199	0.3	15.6	62	45.5		
410021	0.047	4.2	3.8	< 1	4.67	1030	0.3	< 0.1	34	0.2	236	< 0.1	0.7	0.236	< 0.05	1.0	153	0.1	19.7	74	42.8		
410022	0.037	12.7	1.9	< 1	4.57	946	0.4	< 0.1	25	1.0	165	< 0.1	0.4	0.273	0.07	0.6	112	0.1	12.2	62	20.2		
410023	0.058	22.3	2.3	< 1	4.39	857	0.4	0.3	22	1.7	122	< 0.1	1.5	0.346	0.14	0.7	145	0.1	14.5	66	70.3		
410024	0.073	50.1	1.9	< 1	3.99	828	0.3	0.4	28	0.5	89	< 0.1	2.0	0.261	0.30	0.8	116	0.1	14.3	104	52.3		
410025	0.041	14.1	206	< 1	2.92	854	6.7	1.0	18	1.0	137	< 0.1	0.5	0.276	0.09	0.4	97	1.4	11.3	1870	36.2		
410026	0.043	9.6	6.9	< 1	4.97	1120	1.2	0.1	28	1.6	177	< 0.1	0.4	0.333	0.08	0.9	191	0.1	15.7	138	51.7		
410027	0.048	8.0	1.7	< 1	5.85	1070	2.3	0.2	27	2.4	151	< 0.1	0.5	0.418	0.05	0.8	222	0.1	16.1	124	38.1		
410028	0.065	9.2	1.5	< 1	4.31	1000	0.9	< 0.1	31	0.4	284	< 0.1	0.6	0.256	0.05	1.1	138	0.1	18.5	72	16.6		
410029	0.054	9.1	0.8	< 1	5.22	1160	2.3	0.9	29	3.3	108	0.2	0.3	0.765	0.08	1.3	258	1.0	18.0	69	67.3		
410030 MR	0.082	77.1	8.2	2	1.12	3160	128	3.2	14	6.5	90	< 0.1	3.9	0.404	0.30	33.1	196	47.4	19.8	24	134		
410031	0.054	9.1	0.9	< 1	4.58	1070	0.8	0.1	31	1.5	158	< 0.1	0.4	0.401	0.06	1.5	192	0.1	21.6	56	54.0		
410032	0.057	7.2	1.1	< 1	4.47	1030	0.7	0.1	33	3.0	166	< 0.1	0.5	0.471	< 0.05	1.4	191	0.1	21.4	51	62.7		
410033	0.054	6.7	0.9	< 1	4.65	990	0.5	< 0.1	32	2.3	167	< 0.1	0.4	0.408	< 0.05	1.0	179	0.1	21.0	48	50.7		
410034	0.036	10.7	0.9	< 1	5.75	1030	0.5	< 0.1	27	1.4	98	< 0.1	0.3	0.325	0.08	0.8	191	0.1	16.1	55	65.1		
410035	0.055	62.9	1.1	< 1	4.74	974	1.4	1.1	23	2.3	187	0.1	0.4	0.512	0.64	0.6	181	0.4	10.3	58	50.4		
410036	0.042	5.7	1.6	< 1	4.01	956	3.2	0.5	17	1.1	217	0.1	1.2	0.344	< 0.05	0.5	137	0.6	8.8	69	45.1		
410037	0.076	6.3	3.7	< 1	4.92	834	1.0	0.7	25	0.8	158	0.2	4.5	0.419	< 0.05	1.2	154	0.4	13.7	82	101		
410038	0.031	43.8	1.1	< 1	5.56	1090	24.6	0.3	21	2.1	196	0.1	0.4	0.437	0.45	0.6	159	0.5	6.4	74	48.9		
410039	0.034	53.1	1.1	< 1	5.36	1100	17.7	0.5	22	1.8	260	< 0.1	0.3	0.468	0.49	0.8	157	0.3	6.0	70	50.1		
410040 BLC	0.019	24.9	6.5	< 1	0.35	271	13.4	< 0.1	3	0.5	244	0.2	0.5	0.154	0.28	0.6	36	0.3	3.2	49	49.0		
410041	0.041	5.9	1.8	< 1	5.60	992	4.6	0.3	23	0.3	230	< 0.1	1.4	0.329	0.05	1.0	133	0.1	10.4	74	49.8		

Analyte Symbol	P	Rb	Pb	S	Mg	Mn	Mo	Sb	Sc	Sn	Sr	Ta	Th	Ti	Tl	U	V	W	Y	Zn	Zr	Cu	Pb
Unit Symbol	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
Lower Limit	0.001	0.1	0.1	1	0.01	1	0.1	0.1	1	0.1	1	0.1	0.1	0.001	0.05	0.1	4	0.1	0.1	1	0.1	0.005	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-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	FUS-Na2O2	FUS-Na2O2
410042	0.063	16.7	3.5	< 1	5.34	906	0.1	< 0.1	25	0.2	261	< 0.1	3.9	0.126	0.15	1.1	75	0.1	14.3	65	37.7		
410043	0.076	38.0	5.9	< 1	4.31	910	0.3	0.4	25	0.4	349	< 0.1	5.4	0.202	0.23	1.5	97	0.1	18.9	70	58.2		
410044	0.018	0.7	0.4	< 1	8.51	992	0.2	< 0.1	18	< 0.1	297	< 0.1	0.3	0.187	< 0.05	0.4	98	< 0.1	9.2	59	35.0		
410045	0.024	0.7	0.5	< 1	7.41	1120	0.3	< 0.1	16	< 0.1	338	< 0.1	0.2	0.188	< 0.05	0.3	89	0.1	7.9	53	30.7		
410046	0.110	10.1	7.4	3	3.05	876	2.0	0.4	26	1.7	302	< 0.1	2.7	0.359	0.14	1.8	162	0.1	21.9	116	76.6		
410047	0.093	34.0	1.4	< 1	4.55	924	2.7	0.6	30	0.8	130	0.2	1.1	0.632	0.19	0.7	239	0.9	16.2	59	63.0		
410048	0.054	36.3	0.6	< 1	3.96	962	0.5	< 0.1	35	0.3	208	< 0.1	0.5	0.490	0.17	0.3	249	0.1	13.4	59	45.6		
410049	0.088	16.8	2.7	1	3.00	967	18.8	0.3	25	2.3	260	0.1	1.0	0.502	0.14	1.5	212	0.7	18.1	88	59.6		
410050	0.092	20.1	2.5	1	2.91	917	19.0	0.4	23	2.4	326	0.2	1.2	0.558	0.15	1.5	194	1.1	20.0	76	76.0		
410051	0.108	17.5	1.3	< 1	4.20	907	5.3	0.6	22	1.1	224	0.3	0.8	0.619	0.18	1.3	184	0.9	16.8	61	76.0		
410052	0.063	26.0	0.5	< 1	6.25	928	0.8	< 0.1	30	< 0.1	77	< 0.1	0.8	0.335	0.20	0.6	193	< 0.1	11.0	65	44.6		
410053	0.078	38.1	1.5	< 1	3.50	1000	0.3	0.1	33	0.7	237	< 0.1	0.9	0.295	0.21	0.6	124	0.1	21.7	56	21.8		
410054	0.093	20.7	1.7	< 1	2.36	983	1.1	< 0.1	25	0.6	266	< 0.1	0.7	0.154	0.13	2.2	87	0.1	28.6	54	21.5		
410055	0.071	9.8	3.2	< 1	1.79	978	3.7	0.1	25	2.3	279	< 0.1	0.6	0.447	0.08	3.0	182	0.2	23.2	52	49.0		
410056	0.110	44.2	1.6	< 1	1.92	974	0.4	< 0.1	24	0.3	261	< 0.1	2.1	0.245	0.23	1.0	87	< 0.1	23.4	47	39.7		
410057	0.079	17.0	1.2	< 1	1.92	899	0.4	< 0.1	27	0.2	286	< 0.1	1.8	0.234	0.10	0.7	90	< 0.1	23.4	45	43.9		
410058	0.152	21.9	2.2	< 1	2.17	1260	0.2	< 0.1	28	0.4	346	< 0.1	4.0	0.226	0.15	1.5	69	< 0.1	36.9	81	80.2		
410059	0.081	16.1	1.1	< 1	2.40	1280	0.3	< 0.1	31	0.1	306	< 0.1	1.9	0.202	0.12	0.8	93	0.1	21.4	56	48.4		
410060 MR	0.452	746	7.4	< 1	0.73	3120	193	0.2	4	106	105	< 0.1	4.7	0.075	5.80	8.4	49	> 200	7.3	312	13.4		
410061	0.107	25.1	2.2	< 1	3.96	1200	0.2	< 0.1	34	< 0.1	371	< 0.1	1.6	0.197	0.16	0.7	99	< 0.1	18.8	72	39.2		
410062	0.079	22.4	2.1	< 1	2.49	1100	0.3	< 0.1	28	0.3	361	< 0.1	2.9	0.158	0.16	1.2	77	6.3	23.8	49	40.1		
410063	0.096	73.6	6.1	< 1	1.92	737	0.3	< 0.1	15	0.1	221	< 0.1	4.1	0.161	0.46	1.3	68	3.8	16.1	36	65.3		
410064	0.101	59.7	1.7	< 1	2.21	693	0.4	< 0.1	19	< 0.1	238	< 0.1	2.8	0.138	0.38	1.3	56	2.3	16.4	47	70.1		

Analyte Symbol	Zn
Unit Symbol	%
Lower Limit	0.01
Method Code	FUS-Na2O2
409876	
409877	
409878	
409879	
409880 MR	
409881	
409882	
409883	
409884	
409885	
409886	
409887	
409888	
409889	
409890 BLC	
409891	
409892	
409893	
409894	
409895	
409896	
409897	
409898	
409899	
409900	
409901	
409902	
409903	
409904	
409905	
409906	
409907	
409908	
409909	
409910 MR	
409911	
409912	
409913	
409914	
409915	
409916	

Analyte Symbol	Zn
Unit Symbol	%
Lower Limit	0.01
Method Code	FUS-Na2O2
409917	
409918	
409919	
409920 BLC	
409921	
409922	
409923	
409924	
409925	
409926	
409927	
409928	
409929	
409930	
409931	
409932	
409933	
409934	
409935	
409936	
409937	
409938	
409939	
409940 MR	
409941	
409942	
409943	
409944	
409945	
409946	
409947	
409948	
409949	
409950 BLC	
409951	
409952	
409953	
409954	
409955	
409956	
409957	
409958	

Analyte Symbol	Zn
Unit Symbol	%
Lower Limit	0.01
Method Code	FUS-Na2O2
409959	
409960	
409961	
409962	
409963	
409964	
409965	
409966	
409967	
409968	
409969	
409970 MR	
409971	
409972	
409973	
409974	
409975	
409976	
409977	
409978	
409979	
409980 BLC	
409981	
409982	
409983	
409984	
409985	
409986	
409987	
409988	
409989	
409990	
409991	
409992	
409993	
409994	
409995	
409996	
409997	
409998	
409999	

Analyte Symbol	Zn
Unit Symbol	%
Lower Limit	0.01
Method Code	FUS-Na2O2
410000 MR	2.51
410001	
410002	
410003	
410004	
410005	
410006	
410007	
410008	
410009	
410010 BLC	
410011	
410012	
410013	
410014	
410015	
410016	
410017	
410018	
410019	
410020	
410021	
410022	
410023	
410024	
410025	
410026	
410027	
410028	
410029	
410030 MR	
410031	
410032	
410033	
410034	
410035	
410036	
410037	
410038	
410039	
410040 BLC	
410041	

Analyte Symbol	Zn
Unit Symbol	%
Lower Limit	0.01
Method Code	FUS-Na2O2
410042	
410043	
410044	
410045	
410046	
410047	
410048	
410049	
410050	
410051	
410052	
410053	
410054	
410055	
410056	
410057	
410058	
410059	
410060 MR	
410061	
410062	
410063	
410064	

Analyte Symbol	Te	Al	Ag	As	Au	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Cs	Fe	Hf	K	La	Li	Na	Nb	Ni
Unit Symbol	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm
Lower Limit	0.1	0.01	0.1	1	100	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.1	0.01	0.1	0.01	0.1	0.1	0.001	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-1 Meas	10.3	1.90	33.8	432	> 2000	724	< 1	1420	0.85	2.7	14	7.6	36	1080	2.7	23.8	0.5	0.05	7.3	7.6	0.041	1.2	38.7
GXR-1 Cert	13.0	3.52	31.0	427	3300	750	1.22	1380	0.960	3.30	17.0	8.20	12.0	1110	3.00	23.6	0.960	0.050	7.50	8.20	0.0520	0.800	41.0
DH-1a Meas																							
DH-1a Cert																							
DH-1a Meas																							
DH-1a Cert																							
DH-1a Meas																							
DH-1a Cert																							
GXR-4 Meas	0.8	6.36	3.3	105	300	99	2	19.0	0.91	0.3	97	13.3	61	6080	2.5	2.88	1.2	2.34	54.7	11.0	0.516	9.3	37.9
GXR-4 Cert	0.970	7.20	4.0	98.0	500	1640	1.90	19.0	1.01	0.860	102	14.6	64.0	6520	2.80	3.09	6.30	4.01	64.5	11.1	0.564	10.0	42.0
GXR-4 Meas	0.9	6.47	3.1	98	400	184	2	18.6	1.07	0.2	108	13.2	44	6020	2.6	2.83	1.2	4.32	57.8	11.9	0.562	9.1	37.7
GXR-4 Cert	0.970	7.20	4.0	98.0	500	1640	1.90	19.0	1.01	0.860	102	14.6	64.0	6520	2.80	3.09	6.30	4.01	64.5	11.1	0.564	10.0	42.0
SDC-1 Meas		7.91		< 1		668	3		0.99		81	18.2	53	31.1	3.6	4.92	0.9	1.28	40.2	35.4	1.60	0.4	33.9
SDC-1 Cert		8.34		0.220		630	3.00		1.00		93.00	18.0	64.00	30.000	4.00	4.82	8.30	2.72	42.00	34.0	1.52	21.00	38.0
SDC-1 Meas		8.10		< 1		623	3		1.04		85	16.8	44	27.7	3.8	4.41	0.8	2.07	40.5	34.3	1.58	0.6	35.0
SDC-1 Cert		8.34		0.220		630	3.00		1.00		93.00	18.0	64.00	30.000	4.00	4.82	8.30	2.72	42.00	34.0	1.52	21.00	38.0
SDC-1 Meas		8.41		< 1		670	3		1.12		88	18.0	52	32.0	3.9	4.68	1.2	2.06	40.9	37.0	1.63	2.8	35.7
SDC-1 Cert		8.34		0.220		630	3.00		1.00		93.00	18.0	64.00	30.000	4.00	4.82	8.30	2.72	42.00	34.0	1.52	21.00	38.0
GXR-6 Meas	< 0.1	12.8	0.2	280	< 100	1470	1	0.2	0.18	< 0.1	33	14.0	63	71.4	4.0	5.78	2.4	1.20	12.7	39.0	0.106	1.7	24.5
GXR-6 Cert	0.0180	17.7	1.30	330	95.0	1300	1.40	0.290	0.180	1.00	36.0	13.8	96.0	66.0	4.20	5.58	4.30	1.87	13.9	32.0	0.104	7.50	27.0
GXR-6 Meas	< 0.1	12.0	0.2	218	< 100	1430	1	0.2	0.18	< 0.1	32	12.1	59	66.7	3.9	4.97	1.8	1.89	11.7	36.0	0.098	0.1	24.7
GXR-6 Cert	0.0180	17.7	1.30	330	95.0	1300	1.40	0.290	0.180	1.00	36.0	13.8	96.0	66.0	4.20	5.58	4.30	1.87	13.9	32.0	0.104	7.50	27.0
GXR-6 Meas	< 0.1	12.0	0.2	252	100	1300	1	0.2	0.15	< 0.1	35	13.2	67	69.3	4.0	5.34	2.0	1.96	12.5	34.8	0.093	0.4	24.7
GXR-6 Cert	0.0180	17.7	1.30	330	95.0	1300	1.40	0.290	0.180	1.00	36.0	13.8	96.0	66.0	4.20	5.58	4.30	1.87	13.9	32.0	0.104	7.50	27.0
OREAS 134b (Fusion) Meas																							
OREAS 134b (Fusion) Cert																							
MP-1b Meas																							
MP-1b Cert																							
DNC-1a Meas						112						55.6	195	97.2					3.6	4.7		1.4	261
DNC-1a Cert						118						57	270	100					3.6	5.2		3	247
DNC-1a Meas						104						53.5	241	92.2					3.0	4.4		1.4	272
DNC-1a Cert						118						57	270	100					3.6	5.2		3	247
DNC-1a Meas						105						55.6	147	93.8					3.6	4.7		1.4	267
DNC-1a Cert						118						57	270	100					3.6	5.2		3	247
CPB-2 Meas																							
CPB-2 Cert																							
CZN-4 Meas																							
CZN-4 Cert																							
SBC-1 Meas				24		293	3	0.7		0.4	99	22.5	89	31.6	7.6		3.0		50.4	171		11.3	84.3
SBC-1 Cert				25.7		788.0	3.20	0.70		0.40	108.0	22.7	109	31.0000	8.2		3.7		52.5	163		15.3	82.8

Analyte Symbol	Te	Al	Ag	As	Au	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Cs	Fe	Hf	K	La	Li	Na	Nb	Ni
Unit Symbol	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm
Lower Limit	0.1	0.01	0.1	1	100	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.1	0.01	0.1	0.01	0.1	0.1	0.001	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 Meas				24		819	3	0.6		0.4	103	21.0	83	30.0	7.7		3.3		50.2	163		14.2	86.2
SBC-1 Cert				25.7		788.0	3.20	0.70		0.40	108.0	22.7	109	31.0000	8.2		3.7		52.5	163		15.3	82.8
SBC-1 Meas				24		870	3	0.7		0.4	108	22.9	92	30.8	7.9		3.4		51.6	174		14.4	87.8
SBC-1 Cert				25.7		788.0	3.20	0.70		0.40	108.0	22.7	109	31.0000	8.2		3.7		52.5	163		15.3	82.8
OREAS 45d (4-Acid) Meas		7.35		6		197	< 1	0.4	0.17		34	29.4	542	373	3.5	14.2	2.9	0.43	16.6	21.5	0.087	0.4	223
OREAS 45d (4-Acid) Cert		8.150		13.8		183.0	0.79	0.31	0.185		37.20	29.50	549	371	3.910	14.5	3.830	0.412	16.9	21.5	0.101	14.50	231.0
OREAS 45d (4-Acid) Meas		8.13		5		186	< 1	0.3	0.19		36	26.6	391	342	3.6	12.9	0.9	0.41	16.7	21.9	0.094	0.2	228
OREAS 45d (4-Acid) Cert		8.150		13.8		183.0	0.79	0.31	0.185		37.20	29.50	549	371	3.910	14.5	3.830	0.412	16.9	21.5	0.101	14.50	231.0
OREAS 45d (4-Acid) Meas		7.59		6		180	< 1	0.3	0.18		34	26.7	453	345	3.5	13.0	1.7	0.41	15.7	22.1	0.093	0.8	221
OREAS 45d (4-Acid) Cert		8.150		13.8		183.0	0.79	0.31	0.185		37.20	29.50	549	371	3.910	14.5	3.830	0.412	16.9	21.5	0.101	14.50	231.0
SdAR-M2 (U.S.G.S.) Meas						1050	6	1.1		5.4	89	13.5	54	250	1.7		0.7		44.4	18.4		6.8	49.6
SdAR-M2 (U.S.G.S.) Cert						990	6.6	1.05		5.1	98.8	12.4	49.6	236.0000	1.82		7.29		46.6	17.9		26.2	48.8
SdAR-M2 (U.S.G.S.) Meas						1090	7	1.0		5.6	102	12.8	40	250	1.9		1.3		48.2	18.6		6.8	53.6
SdAR-M2 (U.S.G.S.) Cert						990	6.6	1.05		5.1	98.8	12.4	49.6	236.0000	1.82		7.29		46.6	17.9		26.2	48.8
SdAR-M2 (U.S.G.S.) Meas						1040	7	1.0		5.6	83	12.9	44	240	1.7		3.6		37.6	18.1		11.6	49.4
SdAR-M2 (U.S.G.S.) Cert						990	6.6	1.05		5.1	98.8	12.4	49.6	236.0000	1.82		7.29		46.6	17.9		26.2	48.8
409876 Orig	< 0.1	7.46	< 0.1	13	< 100	735	1	0.1	3.32	< 0.1	33	16.9	70	78.7	1.2	5.83	2.7	1.78	13.7	13.3	2.48	3.5	6.8
409876 Dup	< 0.1	7.57	< 0.1	13	< 100	749	1	0.1	3.32	0.1	34	17.0	67	75.5	1.2	5.80	3.1	1.91	14.1	13.4	2.53	6.1	6.5
409877 Orig	< 0.1	6.41	< 0.1	21	< 100	820	1	0.1	3.81	0.1	30	15.1	83	76.3	1.1	5.82	2.6	1.51	12.8	5.4	1.94	1.4	5.8
409877 Dup	< 0.1	6.78	< 0.1	22	200	841	1	0.1	3.89	0.1	31	16.0	83	76.7	1.1	6.01	2.1	1.64	13.7	5.6	1.86	0.4	5.8
409914 Orig	< 0.1	6.82	< 0.1	< 1	< 100	751	2	0.6	1.74	0.1	60	5.3	107	34.0	0.8	2.43	5.3	1.75	29.4	9.0	3.29	8.5	6.6
409914 Dup	< 0.1	7.20	< 0.1	30	< 100	801	2	0.6	1.78	< 0.1	68	5.5	110	54.3	0.9	2.53	5.7	1.76	33.7	9.4	3.26	11.4	7.3
409916 Orig	< 0.1	7.94	< 0.1	< 1	< 100	730	2	0.2	2.87	< 0.1	62	10.2	98	37.9	0.9	3.97	4.8	1.61	30.6	14.6	3.40	11.1	12.2
409916 Dup	< 0.1	8.18	< 0.1	< 1	< 100	715	2	0.2	2.83	< 0.1	62	9.9	94	67.4	0.9	3.97	4.7	1.52	29.9	14.5	3.37	6.7	12.6
409952 Orig	< 0.1	7.19	< 0.1	87	< 100	252	< 1	0.2	5.89	0.3	13	31.8	43	69.9	0.8	7.52	1.2	0.84	5.6	23.6	1.85	0.3	18.6
409952 Dup	< 0.1	7.12	< 0.1	85	< 100	262	< 1	0.2	5.84	0.2	13	34.5	42	68.0	0.8	7.33	1.0	0.80	5.6	23.5	1.81	0.2	18.1
409957 Orig	< 0.1	7.36	< 0.1	232	< 100	435	1	0.6	3.08	< 0.1	49	10.8	64	107	1.1	3.27	5.1	1.76	22.5	11.1	2.83	11.1	4.9
409957 Dup	< 0.1	7.83	< 0.1	267	< 100	486	1	0.6	3.13	< 0.1	51	11.1	68	174	1.1	3.40	5.2	1.69	23.4	11.5	3.05	11.2	4.9
409988 Orig	< 0.1	9.69	< 0.1	< 1	< 100	321	< 1	< 0.1	7.13	< 0.1	17	24.2	62	55.1	0.6	5.69	0.9	0.89	7.5	9.9	1.69	0.4	20.8
409988 Dup	< 0.1	9.87	< 0.1	< 1	< 100	327	< 1	< 0.1	7.10	< 0.1	17	24.1	64	66.2	0.5	5.85	1.0	0.90	7.7	9.7	1.61	1.0	20.7
409998 Orig	< 0.1	8.41	< 0.1	5	< 100	1310	< 1	< 0.1	4.83	< 0.1	30	19.8	103	57.7	0.6	5.88	1.4	1.19	14.0	13.4	0.965	1.2	31.7

Analyte Symbol	Te	Al	Ag	As	Au	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Cs	Fe	Hf	K	La	Li	Na	Nb	Ni
Unit Symbol	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm
Lower Limit	0.1	0.01	0.1	1	100	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.1	0.01	0.1	0.01	0.1	0.1	0.001	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
409998 Dup	< 0.1	8.22	< 0.1	6	< 100	1310	< 1	< 0.1	4.65	< 0.1	30	19.8	97	56.8	0.6	5.76	1.2	1.15	13.4	13.0	0.935	0.7	30.6
410000 MR Orig	0.6	4.23	41.6	96	900	473	< 1	20.9	1.62	144	29	275	31	> 10000	1.1	16.0	2.9	1.01	12.8	10.3	0.484	6.1	19.9
410000 MR Dup	0.6	4.40	40.0	89	1000	99	< 1	20.4	1.59	140	24	276	29	> 10000	1.2	16.0	2.8	1.00	8.6	10.7	0.489	5.6	20.6
410027 Orig	< 0.1	5.18	0.4	1	200	112	< 1	0.2	9.45	< 0.1	28	79.2	437	1060	0.2	10.8	1.1	0.46	16.9	13.1	0.865	0.8	508
410027 Dup	< 0.1	5.02	0.3	< 1	100	112	< 1	0.2	9.14	< 0.1	28	76.1	443	1030	0.2	10.3	1.1	0.44	17.0	12.8	0.820	0.5	486
410052 Orig	< 0.1	6.58	0.1	9	400	202	< 1	0.5	5.81	< 0.1	12	120	497	348	0.3	9.45	1.2	1.13	4.9	20.0	0.977	0.4	211
410052 Dup	< 0.1	6.30	< 0.1	3	< 100	202	< 1	0.5	5.54	< 0.1	12	115	506	339	0.3	9.35	1.3	1.05	5.1	19.7	0.955	0.4	208
410064 Orig	< 0.1	7.93	< 0.1	6	1100	404	< 1	< 0.1	4.44	< 0.1	34	28.0	32	57.7	1.1	7.24	1.9	1.93	15.2	16.3	2.33	0.3	16.6
410064 Dup	< 0.1	7.98	< 0.1	5	100	386	< 1	< 0.1	4.33	< 0.1	32	27.2	32	64.3	1.1	7.09	1.4	1.91	14.0	15.7	2.27	0.2	15.3
Method Blank		< 0.01	< 0.1	< 1	< 100	< 1	< 1	< 0.1	< 0.01	< 0.1	< 1	< 0.2	6	< 0.1	< 0.1	< 0.01	< 0.1	< 0.01	< 0.1	< 0.1	< 0.001	< 0.1	< 0.1
Method Blank		< 0.01	< 0.1	< 1	< 100	< 1	< 1	< 0.1	< 0.01	< 0.1	< 1	< 0.2	5	1.8	< 0.1	< 0.01	< 0.1	< 0.01	< 0.1	< 0.1	< 0.001	< 0.1	< 0.1
Method Blank		< 0.01	< 0.1	< 1	< 100	< 1	< 1	< 0.1	< 0.01	< 0.1	< 1	< 0.2	4	< 0.1	< 0.1	< 0.01	< 0.1	< 0.01	< 0.1	< 0.1	< 0.001	< 0.1	< 0.1
Method Blank		< 0.01	< 0.1	< 1	< 100	< 1	< 1	< 0.1	< 0.01	< 0.1	< 1	< 0.2	3	0.1	< 0.1	< 0.01	< 0.1	< 0.01	< 0.1	< 0.1	< 0.001	< 0.1	< 0.1
Method Blank		< 0.01	< 0.1	< 1	< 100	< 1	< 1	< 0.1	< 0.01	< 0.1	< 1	< 0.2	3	< 0.1	< 0.1	< 0.01	< 0.1	< 0.01	< 0.1	< 0.1	< 0.001	< 0.1	< 0.1
Method Blank		< 0.01	< 0.1	< 1	< 100	< 1	< 1	< 0.1	< 0.01	< 0.1	< 1	< 0.2	2	< 0.1	< 0.1	< 0.01	< 0.1	< 0.01	< 0.1	< 0.1	< 0.001	< 0.1	< 0.1
Method Blank																							
Method Blank		0.10	< 0.1	< 1	< 100	1	< 1	< 0.1	0.01	< 0.1	< 1	< 0.2	3	< 0.1	< 0.1	0.02	< 0.1	< 0.01	0.1	< 0.1	< 0.001	< 0.1	0.1
Method Blank	< 0.1																						
Method Blank	< 0.1																						
Method Blank	< 0.1																						
Method Blank	< 0.1																						
Method Blank	< 0.1																						
Method Blank	< 0.1																						
Method Blank	< 0.1																						

Analyte Symbol	P	Rb	Pb	S	Mg	Mn	Mo	Sb	Sc	Sn	Sr	Ta	Th	Ti	Tl	U	V	W	Y	Zn	Zr	Cu	Pb
Unit Symbol	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
Lower Limit	0.001	0.1	0.1	1	0.01	1	0.1	0.1	1	0.1	1	0.1	0.1	0.001	0.05	0.1	4	0.1	0.1	1	0.1	0.005	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-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	FUS-Na2O2	FUS-Na2O2
GXR-1 Meas	0.065	3.0	725	< 1	0.20	878	17.1	32.1	1	39.6	302	< 0.1	2.5	0.027	0.39	32.6	76	152	26.8	732	22.7		
GXR-1 Cert	0.0650	14.0	730	0.257	0.217	852	18.0	122	1.58	54.0	275	0.175	2.44	0.036	0.390	34.9	80.0	164	32.0	760	38.0		
DH-1a Meas													879			2360							
DH-1a Cert													910			2629							
DH-1a Meas													909			2410							
DH-1a Cert													910			2629							
DH-1a Meas													978			2570							
DH-1a Cert													910			2629							
GXR-4 Meas	0.139	115	49.6	2	1.62	146	298	4.2	7	7.2	186	0.6	19.7	0.268	3.18	6.0	79	36.5	11.9	67	37.8		
GXR-4 Cert	0.120	160	52.0	1.77	1.66	155	310	4.80	7.70	5.60	221	0.790	22.5	0.29	3.20	6.20	87.0	30.8	14.0	73.0	186		
GXR-4 Meas	0.147	123	52.4	2	1.74	145	289	4.6	7	7.2	219	0.6	23.0	0.270	3.46	6.3	81	36.2	12.9	69	38.9		
GXR-4 Cert	0.120	160	52.0	1.77	1.66	155	310	4.80	7.70	5.60	221	0.790	22.5	0.29	3.20	6.20	87.0	30.8	14.0	73.0	186		
SDC-1 Meas	0.061	69.5	24.8		0.97	883		< 0.1	15	0.2	172	< 0.1	12.1	0.185	0.62	2.9	49	< 0.1		105	34.5		
SDC-1 Cert	0.0690	127.00	25.00		1.02	880.00		0.54	17.00	3.00	180.00	1.20	12.00	0.606	0.70	3.10	102.00	0.80		103.00	290.00		
SDC-1 Meas	0.060	90.6	23.4		1.00	799		< 0.1	14	0.5	180	< 0.1	12.6	0.296	0.62	2.8	60	0.7		100	31.1		
SDC-1 Cert	0.0690	127.00	25.00		1.02	880.00		0.54	17.00	3.00	180.00	1.20	12.00	0.606	0.70	3.10	102.00	0.80		103.00	290.00		
SDC-1 Meas	0.064	91.1	24.7		1.00	855		< 0.1	15	0.7	191	0.2	12.9	0.268	0.65	3.1	61	0.1		109	42.8		
SDC-1 Cert	0.0690	127.00	25.00		1.02	880.00		0.54	17.00	3.00	180.00	1.20	12.00	0.606	0.70	3.10	102.00	0.80		103.00	290.00		
GXR-6 Meas	0.038	58.5	101	< 1	0.62	1090	1.1	1.1	27	0.9	40	0.1	5.4		2.16	1.6	142	0.6	11.7	135	84.5		
GXR-6 Cert	0.0350	90.0	101	0.0160	0.609	1010	2.40	3.60	27.6	1.70	35.0	0.485	5.30		2.20	1.54	186	1.90	14.0	118	110		
GXR-6 Meas	0.034	65.3	97.2	< 1	0.60	948	0.4	0.2	22	0.6	40	< 0.1	5.2		2.15	1.4	104	0.5	11.6	125	62.1		
GXR-6 Cert	0.0350	90.0	101	0.0160	0.609	1010	2.40	3.60	27.6	1.70	35.0	0.485	5.30		2.20	1.54	186	1.90	14.0	118	110		
GXR-6 Meas	0.039	70.4	106	< 1	0.59	1040	0.6	0.3	26	0.6	37	< 0.1	5.7		2.31	1.6	118	0.1	12.3	136	70.1		
GXR-6 Cert	0.0350	90.0	101	0.0160	0.609	1010	2.40	3.60	27.6	1.70	35.0	0.485	5.30		2.20	1.54	186	1.90	14.0	118	110		
OREAS 134b (Fusion) Meas																						0.136	12.8
OREAS 134b (Fusion) Cert																						0.134	13.20
MP-1b Meas																						2.94	2.01
MP-1b Cert																						3.07	2.09
DNC-1a Meas		3.9	6.1					0.6	33		139			0.290			137		15.3	64	39.3		
DNC-1a Cert		5	6.3					0.96	31		144			0.29			148		18.0	70	38.0		
DNC-1a Meas		0.6	5.5					0.8	26		146			0.284			133		13.6	64	35.5		
DNC-1a Cert		5	6.3					0.96	31		144			0.29			148		18.0	70	38.0		
DNC-1a Meas		3.0	6.6					0.6	31		149			0.288			135		15.7	65	36.3		
DNC-1a Cert		5	6.3					0.96	31		144			0.29			148		18.0	70	38.0		
CPB-2 Meas																						0.130	61.9
CPB-2 Cert																						0.1213	63.52
CZN-4 Meas																						0.431	0.19
CZN-4 Cert																						0.403	0.1861
SBC-1 Meas		138	35.8				2.2	1.0	21	3.5	176	0.6	16.2	0.472	0.90	6.1	213	1.4	30.3	193	116		
SBC-1 Cert		147	35.0				2.4	1.01	20.0	3.3	178.0	1.10	15.8	0.51	0.89	5.76	220.0	1.60	36.5	186	134.0		

Analyte Symbol	P	Rb	Pb	S	Mg	Mn	Mo	Sb	Sc	Sn	Sr	Ta	Th	Ti	Tl	U	V	W	Y	Zn	Zr	Cu	Pb
Unit Symbol	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
Lower Limit	0.001	0.1	0.1	1	0.01	1	0.1	0.1	1	0.1	1	0.1	0.1	0.001	0.05	0.1	4	0.1	0.1	1	0.1	0.005	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-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	FUS-Na2O2	FUS-Na2O2
SBC-1 Meas		122	35.0				1.9	1.0	19	3.4	177	0.8	16.9	0.476	0.91	6.0	199	2.2	31.1	194	120		
SBC-1 Cert		147	35.0				2.4	1.01	20.0	3.3	178.0	1.10	15.8	0.51	0.89	5.76	220.0	1.60	36.5	186	134.0		
SBC-1 Meas		126	37.4				2.0	1.1	21	3.5	189	0.8	18.0	0.502	0.95	6.2	206	1.7	31.7	206	127		
SBC-1 Cert		147	35.0				2.4	1.01	20.0	3.3	178.0	1.10	15.8	0.51	0.89	5.76	220.0	1.60	36.5	186	134.0		
OREAS 45d (4-Acid) Meas	0.035	45.7	21.6	< 1	0.20	471	0.3	< 0.1	46	0.3	29	< 0.1	14.8	0.279	0.25	3.0	122	0.1	10.7	40	113		
OREAS 45d (4-Acid) Cert	0.042	42.1	21.8	0.049	0.245	490.000	2.500	0.82	49.30	2.78	31.30	1.02	14.5	0.773	0.27	2.63	235.0	1.62	9.53	45.7	141		
OREAS 45d (4-Acid) Meas	0.034	34.7	21.3	< 1	0.19	426	0.2	< 0.1	48	0.4	29	< 0.1	16.1	0.102	0.27	2.9	62	0.5	11.1	41	32.0		
OREAS 45d (4-Acid) Cert	0.042	42.1	21.8	0.049	0.245	490.000	2.500	0.82	49.30	2.78	31.30	1.02	14.5	0.773	0.27	2.63	235.0	1.62	9.53	45.7	141		
OREAS 45d (4-Acid) Meas	0.037	33.2	21.0	< 1	0.18	460	0.4	< 0.1	48	0.6	31	< 0.1	15.5	0.236	0.25	2.8	99	0.2	10.5	41	60.8		
OREAS 45d (4-Acid) Cert	0.042	42.1	21.8	0.049	0.245	490.000	2.500	0.82	49.30	2.78	31.30	1.02	14.5	0.773	0.27	2.63	235.0	1.62	9.53	45.7	141		
SdAR-M2 (U.S.G.S.) Meas		68.3	780				12.6		4		142	0.3	15.0			2.7	25	0.7	24.4	826	45.1		
SdAR-M2 (U.S.G.S.) Cert		149	808				13.3		4.1		144	1.8	14.2			2.53	25.2	2.8	32.7	760	259		
SdAR-M2 (U.S.G.S.) Meas		120	817				12.0		4		153	0.3	16.0			2.7	26	1.1	26.2	818	59.1		
SdAR-M2 (U.S.G.S.) Cert		149	808				13.3		4.1		144	1.8	14.2			2.53	25.2	2.8	32.7	760	259		
SdAR-M2 (U.S.G.S.) Meas		120	755				11.5		4		130	0.5	12.5			2.1	24	1.1	22.3	793	113		
SdAR-M2 (U.S.G.S.) Cert		149	808				13.3		4.1		144	1.8	14.2			2.53	25.2	2.8	32.7	760	259		
409876 Orig	0.117	51.4	3.9	< 1	1.20	1070	2.7	2.0	20	1.2	197	0.2	2.1	0.472	0.45	1.1	89	1.0	22.0	99	108		
409876 Dup	0.119	53.3	3.9	< 1	1.20	1110	3.7	3.2	20	1.7	200	0.3	2.1	0.519	0.45	1.2	94	1.6	22.5	101	123		
409877 Orig	0.105	50.5	4.9	< 1	1.10	1080	3.2	1.1	18	1.2	225	< 0.1	1.9	0.385	0.49	1.1	82	0.6	19.1	100	101		
409877 Dup	0.105	56.7	5.1	< 1	1.15	1100	2.7	0.6	20	0.9	222	< 0.1	2.0	0.371	0.48	1.2	83	0.2	19.7	98	85.2		
409914 Orig	0.053	42.7	23.0	< 1	0.40	369	9.1	1.3	5	2.4	196	0.5	9.8	0.220	0.30	2.6	23	0.9	17.2	62	213		
409914 Dup	0.053	46.7	24.6	< 1	0.48	383	10.5	1.5	6	2.7	222	0.8	11.7	0.232	0.30	3.3	25	1.3	19.4	66	226		
409916 Orig	0.119	57.8	11.1	< 1	0.97	727	26.4	0.8	7	3.1	322	0.6	8.2	0.345	0.35	2.5	43	0.9	20.2	86	209		
409916 Dup	0.121	55.8	11.1	< 1	0.95	719	25.7	0.5	8	2.9	314	0.3	7.8	0.335	0.33	3.1	42	0.7	20.6	86	210		
409952 Orig	0.045	27.2	20.5	< 1	3.50	1430	0.7	0.6	38	0.7	159	< 0.1	0.9	0.275	0.20	0.4	155	1.0	21.1	136	45.3		
409952 Dup	0.045	27.0	19.8	< 1	3.47	1410	0.6	0.5	38	0.6	158	< 0.1	0.9	0.227	0.19	0.4	134	0.7	21.3	136	38.3		
409957 Orig	0.077	45.8	3.6	< 1	0.70	393	4.7	5.2	11	2.6	110	0.6	6.5	0.326	0.31	1.9	42	3.7	17.5	31	212		
409957 Dup	0.080	46.7	3.9	< 1	0.74	409	5.3	5.6	11	2.6	119	0.7	6.9	0.338	0.32	2.1	44	3.8	17.5	34	217		
409988 Orig	0.056	18.4	4.6	< 1	1.62	884	0.5	< 0.1	19	0.3	159	< 0.1	1.0	0.216	0.12	0.4	98	0.5	12.8	43	30.4		
409988 Dup	0.057	20.3	4.9	< 1	1.61	875	0.9	0.1	19	0.4	160	< 0.1	1.1	0.317	0.12	0.4	122	0.5	12.8	41	35.3		
409998 Orig	0.060	22.3	3.8	< 1	2.33	1030	0.9	0.1	24	1.1	153	< 0.1	3.9	0.298	0.12	1.1	99	0.2	18.3	86	51.1		
409998 Dup	0.061	21.6	3.6	< 1	2.25	1010	0.6	< 0.1	24	1.0	152	< 0.1	3.7	0.272	0.13	2.4	91	0.2	18.0	82	42.3		

Analyte Symbol	P	Rb	Pb	S	Mg	Mn	Mo	Sb	Sc	Sn	Sr	Ta	Th	Ti	Tl	U	V	W	Y	Zn	Zr	Cu	Pb
Unit Symbol	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
Lower Limit	0.001	0.1	0.1	1	0.01	1	0.1	0.1	1	0.1	1	0.1	0.1	0.001	0.05	0.1	4	0.1	0.1	1	0.1	0.005	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-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	FUS-Na2O2	FUS-Na2O2
410000 MR Orig	0.061	29.1	> 5000	> 10.0	1.32	667	16.4	44.5	8	8.6	33	0.3	3.6	0.159	1.07	1.3	33	4.7	15.7	> 10000	126	3.21	0.64
410000 MR Dup	0.061	29.3	> 5000	> 10.0	1.32	644	15.5	21.7	8	8.0	28	0.2	2.2	0.160	1.06	1.3	32	3.9	15.9	> 10000	122	3.13	0.63
410027 Orig	0.049	8.1	1.7	< 1	5.96	1080	2.4	0.2	28	3.2	152	< 0.1	0.5	0.441	0.05	0.8	228	0.1	16.3	127	38.7		
410027 Dup	0.047	7.9	1.7	< 1	5.74	1050	2.2	0.2	26	1.7	150	< 0.1	0.5	0.396	0.05	0.8	215	0.1	15.9	122	37.5		
410052 Orig	0.066	27.0	0.5	< 1	6.39	941	0.8	< 0.1	30	< 0.1	78	< 0.1	0.8	0.345	0.25	0.6	190	0.1	11.2	67	43.5		
410052 Dup	0.059	25.1	0.4	< 1	6.11	914	0.9	< 0.1	30	0.2	76	< 0.1	0.7	0.325	0.16	0.6	195	< 0.1	10.8	63	45.7		
410064 Orig	0.103	60.5	1.6	< 1	2.25	691	0.6	< 0.1	19	0.2	243	< 0.1	2.8	0.162	0.39	1.4	57	2.8	16.6	46	80.0		
410064 Dup	0.099	58.9	1.7	< 1	2.17	695	0.3	< 0.1	19	< 0.1	233	< 0.1	2.7	0.115	0.38	1.2	54	1.9	16.1	48	60.1		
Method Blank	< 0.001	< 0.1	< 0.1	< 1	< 0.01	9	< 0.1	< 0.1	< 1	0.3	< 1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.1	< 4	0.1	< 0.1	1	0.4		
Method Blank	< 0.001	< 0.1	< 0.1	< 1	< 0.01	9	0.2	< 0.1	< 1	0.3	< 1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.1	< 4	0.1	< 0.1	< 1	0.5		
Method Blank	< 0.001	< 0.1	< 0.1	< 1	< 0.01	8	0.1	< 0.1	< 1	< 0.1	< 1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.1	< 4	0.1	< 0.1	< 1	< 0.1		
Method Blank	< 0.001	< 0.1	< 0.1	< 1	< 0.01	8	0.2	< 0.1	< 1	< 0.1	< 1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.1	< 4	< 0.1	< 0.1	< 1	0.1		
Method Blank	< 0.001	< 0.1	< 0.1	< 1	< 0.01	6	< 0.1	< 0.1	< 1	< 0.1	< 1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.1	< 4	< 0.1	< 0.1	< 1	< 0.1		
Method Blank	< 0.001	< 0.1	< 0.1	< 1	< 0.01	7	< 0.1	< 0.1	< 1	< 0.1	< 1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.1	< 4	< 0.1	< 0.1	< 1	< 0.1		
Method Blank																						< 0.005	< 0.01
Method Blank	< 0.001	0.3	0.8	< 1	< 0.01	21	< 0.1	< 0.1	< 1	< 0.1	4	< 0.1	< 0.1	< 0.001	< 0.05	< 0.1	< 4	< 0.1	0.1	< 1	0.5		
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							

Analyte Symbol	Zn
Unit Symbol	%
Lower Limit	0.01
Method Code	FUS-Na2O2
GXR-1 Meas	
GXR-1 Cert	
DH-1a Meas	
DH-1a Cert	
DH-1a Meas	
DH-1a Cert	
DH-1a Meas	
DH-1a Cert	
GXR-4 Meas	
GXR-4 Cert	
GXR-4 Meas	
GXR-4 Cert	
SDC-1 Meas	
SDC-1 Cert	
SDC-1 Meas	
SDC-1 Cert	
SDC-1 Meas	
SDC-1 Cert	
GXR-6 Meas	
GXR-6 Cert	
GXR-6 Meas	
GXR-6 Cert	
GXR-6 Meas	
GXR-6 Cert	
OREAS 134b (Fusion) Meas	17.4
OREAS 134b (Fusion) Cert	18.12
MP-1b Meas	15.9
MP-1b Cert	16.7
DNC-1a Meas	
DNC-1a Cert	
DNC-1a Meas	
DNC-1a Cert	
DNC-1a Meas	
DNC-1a Cert	
CPB-2 Meas	6.04
CPB-2 Cert	6.04
CZN-4 Meas	57.5
CZN-4 Cert	55.07
SBC-1 Meas	
SBC-1 Cert	

Analyte Symbol	Zn
Unit Symbol	%
Lower Limit	0.01
Method Code	FUS-Na2O2
SBC-1 Meas	
SBC-1 Cert	
SBC-1 Meas	
SBC-1 Cert	
OREAS 45d (4-Acid) Meas	
OREAS 45d (4-Acid) Cert	
OREAS 45d (4-Acid) Meas	
OREAS 45d (4-Acid) Cert	
OREAS 45d (4-Acid) Meas	
OREAS 45d (4-Acid) Cert	
SdAR-M2 (U.S.G.S.) Meas	
SdAR-M2 (U.S.G.S.) Cert	
SdAR-M2 (U.S.G.S.) Meas	
SdAR-M2 (U.S.G.S.) Cert	
SdAR-M2 (U.S.G.S.) Meas	
SdAR-M2 (U.S.G.S.) Cert	
409876 Orig	
409876 Dup	
409877 Orig	
409877 Dup	
409914 Orig	
409914 Dup	
409916 Orig	
409916 Dup	
409952 Orig	
409952 Dup	
409957 Orig	
409957 Dup	
409988 Orig	
409988 Dup	
409998 Orig	
409998 Dup	

Analyte Symbol	Zn
Unit Symbol	%
Lower Limit	0.01
Method Code	FUS-Na2O2
410000 MR Orig	2.57
410000 MR Dup	2.45
410027 Orig	
410027 Dup	
410052 Orig	
410052 Dup	
410064 Orig	
410064 Dup	
Method Blank	
Method Blank	
Method Blank	
Method Blank	
Method Blank	
Method Blank	
Method Blank	< 0.01
Method Blank	
Method Blank	
Method Blank	
Method Blank	
Method Blank	
Method Blank	
Method Blank	
Method Blank	

Quality Analysis ... *Innovative Technologies*

Date Submitted: 10-Oct-17
Invoice No.: A17-11161
Invoice Date: 03-Nov-17
Your Reference: SG17-1298 39146B TRUE NORTH NICKEL

Techni-Lab Abitibi Inc.(Actlabs)
184 Rue Principale
Ste-Germaine-Boule Quebec J0Z 1M0
Canada

ATTN: Andre Caouette

CERTIFICATE OF ANALYSIS

159 Pulp samples were submitted for analysis.

The following analytical package(s) were requested: Code UT-4M Total Digestion ICP/MS

REPORT **A17-11161**

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:

Any values for Au are for informational purposes and should be checked by fire assay code 1A2

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
41 Bittern Street, Ancaster, Ontario, Canada, L9G 4V5
TELEPHONE +905 648-9611 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Ancaster@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Al	Ag	As	Au	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Cs	Fe	Hf	K	La	Li	Na	Nb	Ni	P
Unit Symbol	%	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	%
Lower Limit	0.01	0.1	1	100	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.1	0.01	0.1	0.01	0.1	0.1	0.001	0.1	0.1	0.001
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
410065	7.57	< 0.1	< 1	< 100	241	< 1	< 0.1	6.75	< 0.1	32	39.5	60	38.2	0.4	9.34	1.2	0.66	14.3	12.5	1.85	0.8	25.9	0.079
410066	7.85	< 0.1	< 1	< 100	240	< 1	< 0.1	7.40	< 0.1	33	41.5	68	67.2	0.3	9.50	0.9	0.67	14.8	10.0	1.99	0.5	27.3	0.077
410067	8.18	< 0.1	< 1	< 100	216	< 1	< 0.1	7.10	< 0.1	29	40.1	62	43.9	0.2	9.50	1.0	0.49	12.8	21.2	1.72	0.9	26.3	0.075
410068	7.20	< 0.1	290	< 100	383	< 1	< 0.1	6.41	0.7	38	31.3	56	42.5	0.8	7.90	2.3	1.46	16.2	15.9	2.22	0.3	16.9	0.109
410069	7.82	< 0.1	< 1	< 100	181	1	< 0.1	6.61	< 0.1	42	31.7	54	63.6	0.3	8.91	2.8	0.69	18.1	9.4	2.09	0.8	14.2	0.128
410070 BLC	5.57	< 0.1	< 1	< 100	337	1	< 0.1	1.73	< 0.1	15	5.7	203	8.6	0.7	1.57	1.4	1.23	7.0	7.9	2.81	2.7	23.8	0.018
410071	7.74	< 0.1	< 1	< 100	300	1	< 0.1	6.74	< 0.1	41	33.7	68	121	0.3	9.54	2.6	0.80	17.3	10.8	2.00	0.8	15.7	0.136
410072	5.63	< 0.1	< 1	< 100	327	1	< 0.1	2.01	< 0.1	24	4.2	117	1.2	0.3	2.72	2.9	0.98	8.8	6.5	2.78	6.3	2.4	0.031
410073	5.18	< 0.1	1	< 100	377	1	< 0.1	2.90	< 0.1	20	4.5	136	0.8	0.3	2.67	2.7	1.52	7.1	6.4	2.71	7.0	1.9	0.031
410074	6.92	< 0.1	1	< 100	589	1	< 0.1	2.05	< 0.1	33	4.2	102	1.1	0.8	2.74	3.0	1.40	14.9	9.8	3.13	8.0	2.6	0.033
410075	7.54	< 0.1	2	< 100	583	1	< 0.1	2.35	< 0.1	31	5.2	112	9.5	0.6	3.31	3.1	1.50	13.4	9.2	3.33	7.7	2.5	0.037
410076	6.68	< 0.1	2	< 100	545	1	< 0.1	2.01	< 0.1	30	4.9	100	1.4	0.7	3.09	2.7	1.36	12.8	9.6	2.80	6.8	2.6	0.040
410077	6.87	< 0.1	11	< 100	538	1	< 0.1	2.18	< 0.1	26	4.4	94	2.4	0.6	2.68	2.9	1.20	12.3	8.9	3.15	6.5	2.2	0.034
410078	6.76	< 0.1	44	< 100	494	1	< 0.1	2.11	< 0.1	34	4.1	113	17.9	0.4	2.80	3.1	1.64	15.8	9.3	2.98	6.8	3.1	0.034
410079	6.91	< 0.1	3	< 100	429	1	< 0.1	1.55	< 0.1	31	4.0	107	4.2	0.3	2.58	2.7	1.49	15.0	8.0	2.92	6.9	2.4	0.033
410080 BLC	6.42	< 0.1	< 1	< 100	390	< 1	< 0.1	1.80	< 0.1	18	6.1	165	8.3	0.8	1.62	1.3	1.31	8.8	8.1	2.99	2.7	23.2	0.021
410081	6.82	< 0.1	11	200	455	1	< 0.1	1.85	< 0.1	29	5.7	118	4.9	0.3	2.99	2.8	1.28	13.1	6.9	3.29	7.6	3.2	0.037
410082	7.11	< 0.1	6	< 100	492	1	< 0.1	2.15	< 0.1	28	4.7	123	8.6	0.3	2.65	2.9	1.69	13.0	7.1	2.56	7.3	3.0	0.036
410083	7.32	< 0.1	< 1	< 100	453	1	< 0.1	2.50	< 0.1	38	5.2	104	0.7	0.3	3.21	2.9	1.45	18.1	7.0	2.95	7.8	2.6	0.038
410084	5.19	< 0.1	2	< 100	478	1	< 0.1	1.94	< 0.1	22	5.0	147	1.1	0.3	3.09	2.7	1.20	7.5	6.7	3.21	7.7	2.7	0.037
410085	7.25	< 0.1	< 1	< 100	399	2	< 0.1	2.50	< 0.1	34	4.3	105	0.9	0.3	2.76	3.2	1.46	15.6	6.4	2.78	7.1	2.3	0.036
410086	5.83	< 0.1	< 1	< 100	327	1	< 0.1	2.41	< 0.1	19	4.2	123	1.5	0.3	2.73	3.0	1.30	8.4	6.7	3.13	6.8	2.7	0.030
410087	7.19	< 0.1	< 1	< 100	348	1	< 0.1	2.28	< 0.1	32	4.4	105	1.5	0.3	2.78	2.9	1.31	14.4	6.5	3.21	6.4	2.2	0.034
410088	6.88	< 0.1	< 1	< 100	360	1	< 0.1	2.54	< 0.1	30	4.2	104	1.7	0.3	2.77	2.6	1.23	13.9	6.1	3.17	3.4	2.7	0.032
410089	7.13	< 0.1	3	< 100	389	1	< 0.1	2.57	< 0.1	31	4.6	98	0.8	0.3	2.77	3.0	1.26	14.8	5.9	3.26	6.3	1.9	0.035
410090 MR	5.54	8.3	10	> 2000	346	< 1	< 0.1	4.64	0.3	23	11.5	41	69.5	4.1	3.37	1.7	1.83	11.0	44.1	1.43	2.0	11.1	0.070
410091	7.04	< 0.1	2	< 100	410	1	< 0.1	2.36	< 0.1	26	4.3	100	1.8	0.3	2.80	2.4	1.24	12.3	6.0	2.98	5.2	2.8	0.032
410092	6.53	< 0.1	4	< 100	781	1	0.1	3.69	< 0.1	32	3.7	97	1.7	0.5	2.14	2.9	1.91	15.3	4.5	1.69	5.8	1.8	0.034
410093	6.74	< 0.1	4	< 100	472	1	0.1	3.16	< 0.1	32	4.1	92	0.8	0.6	2.59	3.1	1.81	15.6	4.6	2.01	6.8	2.2	0.034
410094	4.87	< 0.1	20	100	408	1	0.1	2.09	< 0.1	20	3.9	148	2.0	0.5	2.03	3.0	1.63	7.6	3.7	1.14	7.3	2.7	0.033
410095	8.17	< 0.1	17	< 100	666	2	0.2	5.58	< 0.1	38	3.6	69	3.6	0.9	2.71	3.5	2.26	18.2	5.6	0.318	8.5	1.3	0.040
410096	6.55	< 0.1	3	< 100	417	1	< 0.1	3.19	< 0.1	28	4.1	100	1.4	0.4	2.32	3.1	1.60	13.2	3.6	1.51	7.1	2.5	0.034
410097	7.09	< 0.1	< 1	< 100	350	1	< 0.1	2.38	< 0.1	31	4.5	89	0.6	0.4	2.80	2.6	1.32	14.5	6.0	3.01	6.2	1.9	0.035
410098	7.46	< 0.1	< 1	< 100	344	1	< 0.1	2.25	< 0.1	30	4.7	106	8.0	0.4	3.00	2.8	1.32	13.4	6.3	3.23	6.5	2.6	0.036
410099	7.27	< 0.1	< 1	< 100	322	1	< 0.1	2.56	< 0.1	35	5.0	121	1.1	0.3	3.20	2.9	1.20	16.2	6.0	3.07	7.4	3.1	0.038
410100	7.33	< 0.1	< 1	< 100	354	1	< 0.1	2.18	< 0.1	32	4.7	135	2.1	0.4	2.94	2.6	1.31	14.9	5.9	3.08	5.3	2.5	0.036
410101	6.64	< 0.1	1	400	323	1	< 0.1	2.38	< 0.1	29	4.4	88	0.9	0.4	2.72	2.9	1.22	13.1	5.5	2.68	6.7	2.2	0.032
410102	6.88	< 0.1	< 1	< 100	416	1	< 0.1	2.59	< 0.1	34	4.1	99	1.5	0.4	2.61	2.8	1.80	16.3	5.9	2.29	4.4	2.6	0.032
410103	6.92	< 0.1	< 1	< 100	444	1	< 0.1	2.48	< 0.1	34	4.6	120	5.1	0.4	2.72	2.7	1.82	16.1	6.4	2.34	5.1	2.5	0.034
410104	7.34	< 0.1	2	< 100	373	1	< 0.1	2.35	< 0.1	37	5.1	95	1.1	0.3	2.76	2.9	1.35	18.1	6.0	3.03	6.7	2.4	0.036
410105	7.04	< 0.1	8	< 100	386	2	< 0.1	2.54	< 0.1	31	4.8	117	1.1	0.5	2.91	2.9	1.51	14.4	6.5	2.56	7.4	2.2	0.037
410106	7.32	< 0.1	21	< 100	436	1	< 0.1	2.60	< 0.1	37	4.8	100	2.1	0.5	2.96	2.9	1.77	17.6	7.4	2.21	7.3	2.7	0.041

Analyte Symbol	Al	Ag	As	Au	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Cs	Fe	Hf	K	La	Li	Na	Nb	Ni	P
Unit Symbol	%	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	%
Lower Limit	0.01	0.1	1	100	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.1	0.01	0.1	0.01	0.1	0.1	0.001	0.1	0.1	0.001
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
410107	7.35	< 0.1	4	< 100	460	1	< 0.1	2.38	< 0.1	32	4.9	129	8.3	0.5	3.13	2.7	1.39	14.3	7.3	2.91	5.5	2.8	0.039
410108	6.79	< 0.1	3	< 100	506	1	< 0.1	2.27	< 0.1	33	4.4	131	1.6	0.6	2.84	2.7	1.33	15.9	8.0	3.26	6.3	2.8	0.032
410109	7.72	< 0.1	34	< 100	462	1	< 0.1	2.28	0.4	34	5.2	124	1.6	0.7	3.03	2.8	1.64	15.9	9.2	3.16	6.1	3.2	0.037
410110 BLC	6.23	< 0.1	8	< 100	375	< 1	< 0.1	1.74	< 0.1	17	5.8	140	7.6	0.7	1.55	1.2	1.22	8.5	7.6	2.83	2.1	21.2	0.020
410111	6.33	< 0.1	33	> 2000	404	1	< 0.1	2.33	< 0.1	28	4.1	118	6.6	0.3	2.57	2.5	1.69	12.5	7.7	2.60	4.9	2.5	0.031
410112	5.01	< 0.1	6	< 100	367	1	< 0.1	1.95	< 0.1	19	4.6	168	1.1	0.3	2.66	2.7	1.36	6.6	7.4	2.82	7.1	2.9	0.031
410113	6.76	< 0.1	2	900	361	1	< 0.1	2.44	< 0.1	28	4.5	129	1.5	0.4	2.88	2.7	1.18	11.9	6.8	3.03	7.9	2.6	0.034
410114	5.75	< 0.1	43	100	404	< 1	< 0.1	12.1	< 0.1	35	4.0	95	11.0	0.3	2.36	2.2	1.78	18.3	10.5	1.28	5.9	1.8	0.029
410115	7.41	< 0.1	10	< 100	625	1	< 0.1	2.33	< 0.1	36	4.1	111	2.1	0.7	2.93	2.6	1.68	17.6	8.9	2.98	6.7	3.0	0.036
410116	7.04	< 0.1	5	100	664	1	< 0.1	2.44	< 0.1	34	6.4	117	3.1	1.1	3.64	3.0	2.03	15.4	11.4	2.96	7.2	2.9	0.042
410117	7.12	< 0.1	< 1	< 100	422	1	< 0.1	2.28	< 0.1	29	4.9	130	1.4	0.3	2.74	2.9	1.92	13.5	9.1	2.57	6.5	2.6	0.035
410118	7.93	< 0.1	2	< 100	374	< 1	0.2	7.95	< 0.1	33	37.2	69	98.7	0.5	9.99	0.9	1.03	15.1	13.1	1.51	1.1	27.2	0.087
410119	7.50	< 0.1	4	< 100	277	< 1	0.1	6.84	< 0.1	32	33.3	83	70.6	0.7	11.3	1.3	1.07	14.3	14.9	1.31	3.6	21.6	0.088
410120 BLC	6.25	< 0.1	< 1	< 100	382	< 1	< 0.1	1.77	< 0.1	18	5.9	177	8.6	0.7	1.59	1.2	1.27	8.5	7.8	2.83	1.7	22.6	0.020
410121	7.74	< 0.1	19	< 100	271	< 1	0.1	6.22	< 0.1	36	47.3	80	188	0.6	10.7	1.2	1.05	15.1	16.8	1.58	3.7	26.1	0.109
410122	5.93	< 0.1	45	< 100	178	< 1	< 0.1	6.36	< 0.1	31	45.1	804	35.5	0.8	5.93	2.1	0.66	14.8	22.5	1.44	4.2	319	0.058
410123	7.24	< 0.1	2	< 100	215	< 1	< 0.1	7.05	< 0.1	31	37.3	81	62.4	0.3	8.44	1.1	0.62	13.8	11.4	1.90	1.1	22.7	0.085
410124	7.87	< 0.1	< 1	< 100	265	< 1	0.1	8.26	< 0.1	39	35.5	82	60.6	0.3	8.92	1.7	0.80	17.2	9.3	1.54	7.5	18.7	0.109
410125	7.80	< 0.1	15	< 100	322	< 1	< 0.1	5.98	< 0.1	34	36.9	102	78.2	1.2	8.48	0.7	1.57	13.9	26.4	1.30	0.3	57.3	0.111
410126	7.48	0.2	3	< 100	193	< 1	0.2	7.66	< 0.1	31	41.9	46	278	0.5	8.40	0.8	0.88	15.3	14.0	2.07	1.1	31.1	0.072
410127	8.52	1.0	2	700	198	< 1	0.3	5.86	0.2	22	40.6	44	1900	0.4	7.11	1.4	0.96	10.6	9.7	3.32	3.1	14.9	0.066
410128	3.66	7.1	10	1200	85	< 1	2.7	7.91	2.6	37	565	52	> 10000	0.2	18.8	0.7	0.35	24.3	4.8	0.806	2.2	125	0.053
410129	6.20	7.9	5	600	190	< 1	0.9	5.45	1.5	65	212	54	> 10000	0.3	12.6	2.6	0.77	39.0	7.1	2.45	6.0	55.4	0.076
410130 MR	4.10	39.5	86	900	548	< 1	20.4	1.50	136	30	275	38	> 10000	1.1	16.6	2.7	0.95	14.3	10.2	0.482	5.4	20.7	0.056
410131	7.56	3.2	3	> 2000	139	< 1	0.4	5.36	0.6	11	93.3	61	5770	0.4	8.86	1.3	0.71	3.5	8.8	3.18	2.7	27.9	0.044
410132	6.78	4.1	< 1	200	94	< 1	0.8	6.67	0.9	13	116	63	9120	0.2	10.1	1.3	0.45	5.0	10.3	2.67	0.5	28.5	0.044
410133	4.90	3.1	3	> 2000	121	< 1	0.6	5.36	0.5	9	66.9	62	7150	0.2	7.95	1.6	0.60	4.4	8.2	3.77	5.6	14.8	0.068
410134	6.63	5.8	< 1	1400	60	< 1	0.8	6.16	1.4	55	76.5	69	> 10000	0.8	13.9	3.8	0.39	32.6	4.3	2.96	2.0	14.3	0.123
410135	5.23	12.7	514	900	53	< 1	2.4	5.73	2.7	39	909	48	> 10000	2.5	22.3	2.5	0.35	21.9	2.7	1.51	2.8	103	0.092
410136	8.08	2.7	3	500	201	< 1	1.5	4.97	0.6	16	195	46	2520	0.4	11.5	1.5	1.02	5.9	10.9	2.99	0.8	49.1	0.060
410137	8.66	0.1	2	< 100	226	1	< 0.1	5.82	0.1	51	31.1	52	477	0.3	9.75	1.7	0.97	22.1	11.7	3.04	0.6	13.3	0.145
410138	8.24	< 0.1	3	< 100	336	1	< 0.1	6.14	< 0.1	54	31.9	75	183	0.3	9.43	1.1	1.40	23.9	14.4	2.13	0.7	14.1	0.147
410139	7.70	1.5	8	> 2000	282	1	0.6	6.67	< 0.1	52	41.8	58	1830	0.4	9.57	1.2	1.21	23.6	11.3	2.02	0.9	13.3	0.138
410140	7.96	0.8	6	200	299	1	0.6	6.39	< 0.1	51	42.2	64	2490	0.4	10.00	1.3	1.29	22.8	12.2	2.15	2.5	14.5	0.149
410141	6.64	0.5	302	> 2000	61	< 1	3.1	3.07	< 0.1	45	617	72	952	0.6	16.9	2.3	1.47	23.7	10.5	1.73	4.1	48.7	0.092
410142	7.56	< 0.1	2	< 100	378	1	0.2	5.69	< 0.1	43	58.2	60	403	0.5	11.0	2.4	1.63	18.3	13.8	2.22	1.6	15.0	0.145
410143	8.19	< 0.1	2	< 100	440	1	0.4	4.92	< 0.1	46	41.0	57	459	0.6	11.7	1.8	1.67	20.3	13.3	2.00	1.6	15.2	0.135
410144	8.27	< 0.1	1	< 100	309	1	0.4	6.02	< 0.1	52	38.8	55	197	0.7	9.60	1.4	1.46	22.7	11.0	2.48	0.5	15.4	0.139
410145	7.68	0.1	< 1	< 100	326	< 1	0.6	5.38	< 0.1	45	95.6	61	627	0.9	12.2	1.7	1.70	18.7	13.0	2.16	1.9	25.5	0.112
410146	8.15	< 0.1	3	< 100	275	< 1	0.4	6.53	< 0.1	34	37.3	74	197	0.4	10.3	1.1	1.53	14.8	14.0	1.59	2.1	25.4	0.093
410147	8.96	< 0.1	4	< 100	349	< 1	0.2	6.47	< 0.1	36	36.9	58	138	0.4	9.25	0.8	1.34	15.6	11.2	2.19	0.9	18.4	0.088
410148	8.21	0.1	9	100	405	< 1	1.3	6.38	0.2	33	43.4	62	433	0.9	11.4	0.5	1.74	15.0	16.4	1.47	0.6	25.8	0.085

Analyte Symbol	Al	Ag	As	Au	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Cs	Fe	Hf	K	La	Li	Na	Nb	Ni	P
Unit Symbol	%	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	%
Lower Limit	0.01	0.1	1	100	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.1	0.01	0.1	0.01	0.1	0.1	0.001	0.1	0.1	0.001
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
410149	8.85	0.7	62	> 2000	738	< 1	3.9	3.17	0.2	20	94.8	37	1360	3.0	11.4	1.5	3.03	9.1	19.6	2.09	5.2	12.8	0.070
410150 MR	3.78	0.7	281	400	4660	< 1	5.6	4.09	< 0.1	91	388	62	5620	0.7	21.6	2.8	2.18	97.8	16.2	1.01	6.4	77.7	0.079
410151	6.38	< 0.1	15	< 100	236	< 1	0.1	3.19	< 0.1	34	25.4	131	311	0.6	3.52	3.4	1.16	16.3	10.9	3.58	6.8	6.6	0.031
410152	6.97	0.6	211	< 100	272	< 1	0.5	4.74	< 0.1	29	34.2	79	1520	1.1	6.93	2.2	1.51	13.5	15.3	2.23	5.6	22.0	0.059
410153	5.89	1.6	27	1500	191	< 1	5.9	6.02	0.6	41	131	97	2090	1.3	11.0	2.3	1.53	18.3	16.4	1.08	0.9	39.6	0.107
410154	7.51	0.2	6	< 100	314	< 1	0.8	3.90	< 0.1	34	41.4	53	553	1.0	9.38	1.8	1.65	15.7	13.3	2.06	0.5	17.2	0.084
410155	8.78	< 0.1	2	< 100	336	1	0.1	5.26	< 0.1	41	29.9	57	73.2	0.5	10.5	2.3	1.20	17.8	11.0	2.29	1.3	16.6	0.106
410156	7.03	< 0.1	705	< 100	339	< 1	0.1	9.19	0.1	37	26.0	36	148	1.1	7.63	2.4	2.34	17.2	15.6	1.12	6.7	14.2	0.116
410157	6.88	< 0.1	25	< 100	433	< 1	< 0.1	5.58	< 0.1	41	26.8	143	65.1	1.1	7.16	2.9	1.87	18.5	14.4	1.66	2.0	66.4	0.119
410158	7.28	< 0.1	3	< 100	202	< 1	< 0.1	6.15	< 0.1	38	43.1	342	58.8	0.6	6.28	2.6	0.56	17.9	22.2	2.50	5.5	268	0.076
410159	7.93	< 0.1	< 1	< 100	228	< 1	< 0.1	7.17	< 0.1	33	41.5	61	94.4	0.7	9.51	0.9	0.87	14.7	11.6	1.81	1.2	27.2	0.084
410160 MR	4.31	39.9	78	1100	631	< 1	20.6	1.60	141	30	275	30	> 10000	1.2	17.3	2.8	0.94	14.1	10.3	0.526	5.4	20.3	0.060
410161	6.24	0.7	2	< 100	234	1	0.2	6.00	0.1	31	38.0	65	1840	0.3	8.97	4.3	0.90	12.9	7.5	3.05	8.7	12.9	0.147
410162	6.97	4.1	< 1	300	98	< 1	0.6	5.69	1.1	14	81.6	33	9250	0.2	11.6	1.3	0.48	7.7	6.8	3.24	3.2	17.1	0.053
410163	6.19	12.9	< 1	> 2000	55	< 1	1.6	5.84	2.2	33	142	52	> 10000	1.2	17.7	1.1	0.34	22.3	4.4	2.18	1.1	49.8	0.054
410164	5.73	12.6	2	400	50	< 1	1.2	5.27	2.4	16	122	83	> 10000	1.2	15.4	1.1	0.30	8.7	4.6	2.29	1.7	42.8	0.052
410165	6.30	8.6	< 1	700	27	< 1	1.0	5.07	1.6	28	191	41	> 10000	0.3	17.3	1.7	0.21	16.3	5.3	2.26	1.0	44.3	0.065
410166	6.65	10.2	< 1	1200	42	< 1	1.0	6.40	1.7	43	110	55	> 10000	0.5	15.5	2.1	0.24	29.2	6.4	1.74	2.4	27.6	0.065
410167	6.47	13.4	8	> 2000	85	< 1	1.3	5.74	1.6	20	215	69	> 10000	0.2	15.3	1.8	0.36	9.2	8.2	2.34	2.4	56.6	0.067
410168	6.54	3.4	3	1300	158	< 1	0.9	4.93	0.8	45	399	51	7370	0.3	15.4	3.4	0.66	25.1	9.6	2.50	3.9	42.6	0.123
410169	8.89	1.3	5	100	260	< 1	0.3	5.41	0.9	44	69.1	81	2770	0.4	10.3	2.4	1.05	21.6	14.2	2.73	8.3	18.8	0.122
410170 BLC	6.42	< 0.1	< 1	< 100	388	1	< 0.1	1.87	< 0.1	17	5.9	147	19.1	0.8	1.57	1.0	1.28	8.2	8.6	2.99	0.9	21.8	0.020
410171	8.81	< 0.1	47	< 100	61	< 1	0.5	11.1	< 0.1	32	43.9	47	88.4	0.1	9.06	1.2	0.61	15.3	13.0	0.985	6.2	13.5	0.091
410172	5.65	< 0.1	7	< 100	146	1	0.1	7.59	< 0.1	35	31.8	70	121	0.2	9.11	1.8	0.64	14.3	15.2	2.18	7.8	13.8	0.135
410173	8.10	< 0.1	9	< 100	262	< 1	0.2	6.36	< 0.1	51	34.1	54	355	0.2	9.15	1.5	1.19	22.8	10.8	2.50	1.3	12.7	0.157
410174	7.01	1.3	119	> 2000	308	1	1.5	8.02	0.3	57	155	53	2600	0.5	8.96	1.1	1.55	28.4	15.7	1.50	3.4	10.8	0.145
410175	7.79	0.4	172	1900	459	< 1	6.4	4.05	0.1	26	94.6	72	855	0.7	7.45	1.7	2.17	12.5	13.6	2.37	3.5	18.1	0.041
410176	6.99	0.3	155	400	277	< 1	6.0	6.50	< 0.1	46	182	49	558	0.8	9.73	1.6	1.52	20.0	17.1	1.97	1.3	14.6	0.139
410177	7.31	0.2	34	< 100	220	< 1	3.2	6.00	< 0.1	37	80.9	72	678	1.4	10.4	1.3	1.21	17.3	17.5	1.69	2.5	20.5	0.097
410178	8.07	< 0.1	11	< 100	197	< 1	0.7	7.77	< 0.1	34	39.4	50	398	0.3	9.04	0.5	1.04	15.5	9.1	1.64	1.0	21.7	0.083
410179	8.58	0.1	23	< 100	575	< 1	0.2	4.39	< 0.1	23	41.6	38	391	0.8	9.86	0.5	2.19	10.2	16.4	2.10	0.4	13.9	0.073
410180	8.89	< 0.1	22	< 100	595	< 1	0.2	4.63	< 0.1	25	42.4	45	268	0.7	10.4	0.8	2.30	11.2	17.0	2.14	1.4	13.4	0.071
410181	7.26	0.5	443	> 2000	127	< 1	4.9	4.66	0.1	23	592	86	992	0.6	11.2	1.6	1.30	10.6	10.6	2.63	2.1	77.2	0.054
410182	8.23	1.2	93	700	267	< 1	0.9	5.79	0.2	49	132	65	3250	0.5	9.99	1.1	1.63	22.4	13.8	2.01	2.6	13.7	0.155
410183	8.66	0.2	24	< 100	328	< 1	0.6	4.54	0.1	38	75.7	56	767	2.0	11.1	1.5	2.20	18.1	16.3	2.24	5.1	13.2	0.100
410184	7.70	1.3	314	300	306	< 1	0.8	5.39	0.3	33	412	55	4360	1.6	10.5	1.1	2.10	12.8	16.9	2.15	1.8	20.3	0.090
410185	9.02	< 0.1	23	< 100	263	< 1	0.3	5.68	< 0.1	35	62.2	50	327	0.8	9.43	1.2	1.90	15.9	16.3	2.33	0.9	12.8	0.091
410186	9.54	0.2	37	500	286	< 1	2.5	5.13	< 0.1	34	88.6	56	728	1.2	10.1	1.5	2.05	14.6	15.2	2.35	2.5	16.9	0.097
410187	8.71	< 0.1	< 1	< 100	222	< 1	0.2	6.66	< 0.1	41	30.9	49	199	0.6	8.84	1.1	1.34	17.6	12.2	2.47	0.7	16.5	0.109
410188	8.16	< 0.1	3	< 100	186	< 1	0.2	6.75	< 0.1	43	36.0	61	148	0.5	9.53	0.8	1.14	18.7	12.3	2.05	0.4	22.8	0.127
410189	7.08	< 0.1	11	< 100	402	< 1	1.0	3.53	< 0.1	30	59.1	81	274	2.6	11.0	3.2	1.82	13.1	22.1	1.60	6.5	17.1	0.096
410190 MR	4.73	0.6	160	400	323	< 1	5.6	4.14	< 0.1	91	383	45	5610	0.7	21.2	2.9	2.96	76.8	16.2	0.976	1.0	76.7	0.080

Analyte Symbol	Al	Ag	As	Au	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Cs	Fe	Hf	K	La	Li	Na	Nb	Ni	P
Unit Symbol	%	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	%
Lower Limit	0.01	0.1	1	100	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.1	0.01	0.1	0.01	0.1	0.1	0.001	0.1	0.1	0.001
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
410191	8.21	0.4	< 1	< 100	320	< 1	0.5	4.66	0.1	41	45.1	55	1210	1.3	9.76	1.7	1.90	18.0	17.2	2.03	0.4	15.2	0.115
410192	8.19	< 0.1	< 1	< 100	217	< 1	0.1	5.47	< 0.1	35	28.9	53	65.6	0.8	7.89	2.1	1.28	15.2	11.1	2.50	0.6	17.2	0.088
410193	7.50	< 0.1	10	< 100	265	< 1	0.1	6.50	< 0.1	30	24.3	44	47.4	1.4	7.10	2.5	2.19	13.2	13.0	1.70	1.1	14.9	0.087
410194	8.42	0.2	133	< 100	331	1	0.5	5.75	< 0.1	47	167	41	786	1.3	9.60	2.0	1.53	21.3	14.7	2.15	2.4	12.5	0.125
410195	8.15	< 0.1	< 1	< 100	585	< 1	0.1	4.24	< 0.1	45	31.6	45	191	2.0	10.9	3.6	1.91	20.7	15.7	1.96	3.8	2.9	0.102
410196	8.23	0.2	671	900	542	< 1	1.3	4.47	0.2	37	630	56	406	4.2	13.5	3.3	2.23	17.0	19.2	1.58	8.2	15.1	0.115
410197	8.66	< 0.1	< 1	< 100	217	1	< 0.1	7.70	< 0.1	48	41.8	69	131	0.3	9.72	1.8	0.63	20.9	12.4	2.31	2.6	24.2	0.170
410198	8.32	< 0.1	< 1	< 100	217	1	< 0.1	6.88	< 0.1	43	32.0	44	108	0.3	8.93	0.8	0.75	18.9	13.3	2.57	0.6	13.9	0.112
410199	4.95	< 0.1	1550	200	216	< 1	0.2	13.7	0.1	41	34.3	65	139	0.9	9.44	2.1	1.53	19.5	18.0	0.232	7.2	14.8	0.083
410200	6.76	< 0.1	4	< 100	398	1	< 0.1	2.52	< 0.1	31	4.2	95	9.1	0.4	2.66	3.5	1.58	13.1	6.4	2.53	7.0	2.5	0.032
410201	7.23	< 0.1	2	< 100	446	1	< 0.1	2.49	< 0.1	34	4.8	95	3.8	0.4	2.91	3.2	1.56	15.5	7.6	2.89	8.4	1.9	0.034
410202	6.90	< 0.1	< 1	< 100	503	< 1	< 0.1	2.47	< 0.1	26	4.0	105	4.7	0.5	2.71	3.1	1.67	11.6	8.1	2.61	7.1	2.7	0.035
410203	7.34	< 0.1	< 1	< 100	511	1	< 0.1	2.69	< 0.1	37	4.5	112	3.4	0.5	3.04	3.1	1.93	17.6	7.8	2.34	7.1	2.3	0.038
410204	7.06	< 0.1	2	< 100	441	1	< 0.1	2.37	< 0.1	29	4.1	106	2.1	0.4	2.81	3.1	1.20	13.1	5.9	2.97	6.6	2.7	0.034
410205	6.86	< 0.1	12	< 100	463	1	< 0.1	2.69	< 0.1	32	3.5	121	2.2	0.5	2.57	2.7	1.80	15.0	6.3	2.01	7.4	2.4	0.036
410206	7.29	< 0.1	12	< 100	441	< 1	< 0.1	2.59	< 0.1	33	4.5	121	3.5	0.5	2.78	2.7	2.03	15.8	6.6	2.23	7.8	2.8	0.037
410207	7.38	< 0.1	2	< 100	381	1	< 0.1	2.46	< 0.1	29	4.5	112	1.4	0.5	2.88	2.8	1.71	13.6	6.0	2.65	8.1	2.4	0.036
410208	7.15	< 0.1	3	< 100	374	< 1	< 0.1	2.87	< 0.1	31	4.6	102	2.6	0.4	2.77	2.8	1.68	15.0	6.0	2.65	6.5	2.9	0.035
410209	7.04	< 0.1	237	< 100	437	1	< 0.1	2.59	< 0.1	31	5.0	99	2.0	0.6	2.72	2.6	1.93	14.9	6.4	2.12	5.8	2.4	0.034
410210 BLC	6.53	< 0.1	< 1	< 100	393	1	< 0.1	1.82	< 0.1	17	5.8	162	8.7	0.7	1.58	1.3	1.27	8.3	8.0	3.00	2.6	22.7	0.020
410211	6.99	< 0.1	7	< 100	361	1	< 0.1	2.49	< 0.1	31	4.2	102	8.0	0.4	2.74	2.7	1.35	13.7	6.8	2.28	7.0	2.7	0.035
410212	6.57	0.3	319	400	401	< 1	< 0.1	2.33	0.1	27	4.2	138	7.0	0.5	2.31	3.0	2.39	12.9	6.2	0.711	6.4	2.9	0.034
410213	5.47	< 0.1	235	100	408	< 1	< 0.1	3.83	< 0.1	28	3.5	127	5.8	0.4	2.05	2.5	2.26	13.3	5.2	0.181	6.2	2.5	0.029
410214	5.38	< 0.1	346	100	332	< 1	0.1	2.23	< 0.1	25	3.2	144	8.3	0.5	2.33	2.5	2.15	11.6	3.3	0.599	6.0	3.5	0.027
410215 MR	5.85	8.4	11	> 2000	348	< 1	0.1	4.76	0.3	23	11.6	22	67.9	4.3	3.45	1.8	1.94	11.0	44.5	1.52	2.1	13.7	0.071
410216	6.66	< 0.1	58	< 100	396	1	< 0.1	2.32	< 0.1	30	4.8	156	4.2	0.7	3.01	2.8	2.64	13.9	4.4	0.779	7.4	3.2	0.034
410217	6.06	< 0.1	1060	300	428	1	0.5	1.58	0.2	33	4.9	170	18.1	0.6	2.96	2.8	2.51	15.4	4.0	0.427	7.4	8.1	0.034
410218	6.73	< 0.1	86	< 100	358	1	< 0.1	2.13	< 0.1	32	3.7	152	1.6	0.4	2.46	3.0	1.47	14.8	4.1	2.48	7.9	3.0	0.036
410219	6.83	< 0.1	167	< 100	510	1	0.1	2.66	< 0.1	29	3.8	118	4.2	0.5	2.88	2.6	1.17	12.9	7.0	2.87	7.1	2.3	0.032
410220	6.47	< 0.1	105	100	471	1	< 0.1	2.48	< 0.1	26	4.1	114	5.1	0.4	2.83	2.6	1.11	11.4	7.0	2.92	6.5	3.0	0.030
410221	6.76	< 0.1	3	< 100	597	1	< 0.1	2.23	< 0.1	31	4.4	115	1.0	0.6	2.81	2.9	1.62	14.3	10.2	3.01	5.1	2.4	0.032
410222	6.72	< 0.1	55	< 100	567	1	< 0.1	2.44	< 0.1	30	4.3	118	1.0	0.6	3.12	2.7	1.44	14.0	10.8	3.11	5.5	2.5	0.040
410223	6.24	< 0.1	52	< 100	540	1	< 0.1	2.11	< 0.1	28	3.8	116	1.9	0.6	2.67	2.4	1.50	12.8	9.9	3.18	4.7	3.1	0.028

Analyte Symbol	Rb	Pb	S	Mg	Mn	Mo	Sb	Sc	Sn	Sr	Ta	Th	Ti	Tl	U	V	W	Y	Zn	Zr	Te	Cu	Pb
Unit Symbol	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
Lower Limit	0.1	0.1	1	0.01	1	0.1	0.1	1	0.1	1	0.1	0.1	0.001	0.05	0.1	4	0.1	0.1	1	0.1	0.1	0.005	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-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	FUS-Na2O2	FUS-Na2O2
410065	15.1	2.1	< 1	3.25	1500	0.3	< 0.1	35	0.1	294	< 0.1	2.4	0.251	0.10	3.5	151	0.4	21.0	116	46.2	< 0.1		
410066	14.0	2.8	< 1	3.21	1550	0.4	0.1	37	0.1	427	< 0.1	2.4	0.239	0.09	0.8	190	0.4	21.1	110	33.1	< 0.1		
410067	9.7	2.0	< 1	3.34	1290	0.3	< 0.1	32	0.1	387	< 0.1	1.9	0.371	0.08	0.6	237	0.3	18.7	83	35.3	< 0.1		
410068	38.3	1.8	< 1	2.10	1200	0.3	< 0.1	27	0.2	236	< 0.1	2.2	0.316	0.29	0.9	144	0.3	18.7	125	94.1	< 0.1		
410069	16.1	1.5	< 1	2.51	1140	0.3	0.1	26	0.1	332	< 0.1	2.1	0.357	0.11	1.2	130	0.3	29.2	53	113	< 0.1		
410070 BLC	34.4	6.5	< 1	0.43	264	10.6	< 0.1	5	0.7	266	0.2	1.2	0.153	0.25	0.3	37	0.4	5.2	20	51.0	< 0.1		
410071	19.4	2.4	< 1	2.22	1580	0.4	0.1	24	0.2	418	< 0.1	2.1	0.402	0.12	0.9	150	0.3	28.8	157	109	< 0.1		
410072	21.2	5.2	< 1	0.28	576	6.2	0.2	6	1.3	124	0.4	2.2	0.178	0.13	1.0	19	1.5	13.4	61	103	< 0.1		
410073	26.4	9.7	< 1	0.27	730	8.2	0.3	4	1.3	138	0.5	1.4	0.178	0.15	0.9	19	3.0	9.8	47	92.0	< 0.1		
410074	30.1	6.0	< 1	0.28	718	7.8	0.5	7	1.5	221	0.5	4.1	0.185	0.17	1.9	18	0.9	23.2	57	102	< 0.1		
410075	29.1	6.9	< 1	0.36	816	11.8	0.5	8	1.8	219	0.5	3.5	0.210	0.16	1.6	28	1.8	24.6	66	112	< 0.1		
410076	28.6	5.4	< 1	0.33	737	7.2	0.3	8	1.3	198	0.4	3.2	0.195	0.16	1.5	19	0.7	23.6	59	98.1	< 0.1		
410077	26.5	6.0	< 1	0.26	664	9.7	0.5	6	1.3	172	0.3	3.1	0.183	0.16	1.4	19	1.9	16.1	51	101	< 0.1		
410078	31.4	3.4	< 1	0.28	655	9.3	0.4	6	1.6	134	0.4	3.9	0.184	0.14	1.5	19	3.8	17.2	63	109	< 0.1		
410079	28.3	3.1	< 1	0.28	573	10.2	0.4	7	1.4	146	0.4	3.9	0.174	0.11	1.6	19	3.3	15.1	51	92.3	< 0.1		
410080 BLC	40.4	6.7	< 1	0.51	277	12.9	< 0.1	6	0.5	354	0.2	1.4	0.159	0.26	0.3	42	0.3	6.2	22	56.7	< 0.1		
410081	24.2	6.9	< 1	0.30	672	8.8	0.3	8	1.6	158	0.5	3.0	0.206	0.12	1.3	22	3.6	16.6	58	102	< 0.1		
410082	31.7	7.5	< 1	0.29	662	11.8	0.3	7	1.6	119	0.5	3.0	0.187	0.15	2.3	20	5.5	15.0	61	103	< 0.1		
410083	28.7	3.9	< 1	0.34	707	10.6	0.2	8	1.8	176	0.5	3.9	0.202	0.13	1.2	24	0.7	16.4	63	110	< 0.1		
410084	18.4	4.9	< 1	0.29	698	8.1	0.3	5	1.6	201	0.5	1.9	0.206	0.12	1.3	21	1.7	13.3	54	98.7	< 0.1		
410085	29.7	5.0	< 1	0.30	673	10.0	0.2	6	1.8	216	0.5	5.3	0.187	0.14	2.5	20	0.6	19.7	52	107	< 0.1		
410086	24.3	4.0	< 1	0.25	674	7.8	0.3	4	1.6	128	0.4	2.1	0.180	0.13	1.2	17	0.5	11.7	49	103	< 0.1		
410087	26.7	4.5	< 1	0.28	656	10.1	0.2	7	1.6	207	0.4	4.2	0.181	0.13	1.7	20	0.5	17.5	56	95.9	< 0.1		
410088	23.9	3.7	< 1	0.27	709	6.7	0.1	6	1.3	164	0.1	3.4	0.178	0.11	1.4	17	0.5	14.5	49	93.1	< 0.1		
410089	24.5	3.7	< 1	0.28	695	9.1	0.3	7	1.6	163	0.4	3.6	0.179	0.12	1.8	20	1.0	13.9	51	103	< 0.1		
410090 MR	56.5	17.8	< 1	1.24	863	4.7	2.1	13	0.8	314	< 0.1	3.0	0.291	0.59	0.7	107	1.6	10.0	72	67.4	3.6		
410091	24.7	4.3	< 1	0.28	669	6.4	0.3	6	1.4	197	0.3	3.0	0.172	0.12	1.5	18	0.7	12.7	47	84.0	< 0.1		
410092	36.0	3.4	< 1	0.21	697	8.8	0.4	6	1.7	150	0.4	3.5	0.173	0.18	1.6	21	0.9	14.3	18	100	< 0.1		
410093	35.4	2.8	< 1	0.27	777	8.7	0.4	7	1.7	148	0.4	3.8	0.183	0.16	1.9	19	1.9	14.0	20	106	< 0.1		
410094	29.2	5.0	< 1	0.18	618	8.4	0.4	5	1.4	76	0.5	2.3	0.181	0.22	1.4	16	3.9	9.2	16	105	< 0.1		
410095	54.9	7.9	< 1	0.33	1200	6.6	0.6	9	2.2	136	0.5	4.3	0.213	0.33	2.1	25	4.5	19.1	22	125	< 0.1		
410096	34.2	4.1	< 1	0.29	825	7.4	0.4	6	1.5	137	0.4	3.4	0.176	0.17	1.7	16	1.9	15.3	39	108	< 0.1		
410097	26.4	4.6	< 1	0.30	666	8.6	0.2	7	1.5	192	0.4	3.5	0.181	0.12	1.8	20	0.6	16.6	46	94.8	< 0.1		
410098	26.1	4.9	< 1	0.32	670	7.9	0.2	7	1.6	185	0.4	3.3	0.192	0.13	1.6	20	0.5	17.8	56	92.7	< 0.1		
410099	23.2	5.2	< 1	0.33	774	12.5	0.2	9	1.5	167	0.5	4.3	0.204	0.10	2.0	26	0.5	21.3	60	102	< 0.1		
410100	26.3	5.8	< 1	0.30	659	5.9	0.2	7	1.3	174	0.4	4.2	0.169	0.12	1.8	18	0.3	17.9	53	87.8	< 0.1		
410101	25.1	10.1	< 1	0.27	689	9.0	0.3	6	1.3	140	0.4	3.1	0.176	0.15	1.1	19	0.5	14.6	48	102	< 0.1		
410102	32.8	9.4	< 1	0.28	718	7.3	0.2	7	1.2	126	0.2	4.1	0.167	0.15	1.5	17	0.4	15.7	44	100	< 0.1		
410103	34.0	7.7	< 1	0.30	691	10.7	0.2	7	1.3	136	0.3	3.9	0.168	0.15	1.6	18	0.6	14.6	46	95.0	< 0.1		
410104	27.4	4.9	< 1	0.31	718	7.9	0.3	7	1.4	139	0.3	4.3	0.184	0.12	1.7	18	0.7	16.7	49	103	< 0.1		
410105	31.7	7.0	< 1	0.32	772	10.4	0.4	7	1.9	182	0.6	4.4	0.192	0.16	2.1	22	1.0	20.3	54	95.4	< 0.1		

Analyte Symbol	Rb	Pb	S	Mg	Mn	Mo	Sb	Sc	Sn	Sr	Ta	Th	Ti	Tl	U	V	W	Y	Zn	Zr	Te	Cu	Pb
Unit Symbol	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
Lower Limit	0.1	0.1	1	0.01	1	0.1	0.1	1	0.1	1	0.1	0.1	0.001	0.05	0.1	4	0.1	0.1	1	0.1	0.1	0.005	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-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	FUS-Na2O2	FUS-Na2O2
410106	35.0	7.9	< 1	0.36	782	7.7	0.5	8	1.9	160	0.5	5.0	0.196	0.18	2.2	22	1.2	22.1	58	95.9	< 0.1		
410107	27.1	6.4	< 1	0.37	860	10.5	0.3	8	1.7	189	0.3	3.4	0.199	0.12	1.7	20	0.4	23.2	59	94.8	< 0.1		
410108	25.8	8.1	< 1	0.30	740	11.0	0.4	7	1.5	208	0.3	3.8	0.191	0.14	1.4	19	0.4	21.3	52	101	< 0.1		
410109	33.6	7.7	< 1	0.34	779	10.8	0.3	8	1.4	204	0.4	3.9	0.189	0.17	1.8	20	0.4	25.1	103	104	< 0.1		
410110 BLC	38.6	6.6	< 1	0.46	284	9.8	< 0.1	6	0.5	343	0.1	1.3	0.152	0.25	0.3	39	0.3	5.9	22	47.1	< 0.1		
410111	29.3	4.9	< 1	0.31	765	10.5	0.2	6	1.4	92	0.3	3.1	0.164	0.12	1.3	16	0.3	19.7	49	86.2	< 0.1		
410112	20.9	4.8	< 1	0.28	716	11.6	0.4	5	1.3	71	0.5	1.5	0.172	0.13	0.9	16	0.6	14.6	50	98.9	< 0.1		
410113	22.6	7.6	< 1	0.32	735	11.0	0.4	7	1.5	183	0.4	3.0	0.190	0.11	1.4	19	0.4	21.6	55	96.7	< 0.1		
410114	33.7	2.7	< 1	0.40	2230	8.3	0.2	6	1.3	85	0.4	3.2	0.145	0.14	1.4	16	0.9	25.5	60	76.3	< 0.1		
410115	33.5	6.4	< 1	0.30	700	11.3	0.3	7	1.7	235	0.4	4.0	0.189	0.17	1.8	19	0.5	22.9	55	101	< 0.1		
410116	43.3	5.6	< 1	0.38	996	9.7	0.2	8	1.8	177	0.4	3.1	0.233	0.23	1.2	26	0.6	26.7	63	113	< 0.1		
410117	37.4	3.9	< 1	0.42	763	10.8	0.1	6	1.4	78	0.4	3.7	0.176	0.14	1.5	18	0.7	19.5	55	105	< 0.1		
410118	27.7	2.8	< 1	3.23	1150	0.7	0.3	35	0.3	465	< 0.1	2.4	0.382	0.17	0.7	188	23.4	22.1	62	35.0	< 0.1		
410119	30.7	1.5	< 1	3.16	1370	1.6	0.2	34	0.4	277	0.1	2.3	0.643	0.19	0.7	294	0.6	20.4	59	48.1	< 0.1		
410120 BLC	39.3	6.7	< 1	0.48	284	9.4	< 0.1	6	0.4	356	0.1	1.4	0.127	0.26	0.4	33	0.2	5.9	22	45.4	< 0.1		
410121	28.0	2.8	< 1	2.29	1110	1.4	0.5	26	1.3	346	< 0.1	2.2	0.493	0.20	0.8	164	0.4	21.4	64	48.7	< 0.1		
410122	22.4	5.9	< 1	7.08	1110	1.2	1.3	27	0.9	201	0.2	3.2	0.388	0.16	0.9	151	0.6	14.0	81	81.7	< 0.1		
410123	14.8	1.2	< 1	2.99	1090	0.5	0.1	33	0.2	325	< 0.1	2.3	0.334	0.09	0.8	157	0.2	21.0	68	42.8	< 0.1		
410124	19.6	1.9	< 1	2.89	1350	2.3	1.2	30	0.9	682	0.4	2.3	0.666	0.12	1.1	235	0.6	25.6	69	59.7	< 0.1		
410125	56.6	0.8	< 1	3.22	1010	0.1	< 0.1	27	0.1	101	< 0.1	1.7	0.146	0.31	0.8	68	0.2	28.0	76	27.4	< 0.1		
410126	23.1	2.5	< 1	2.89	926	0.3	0.5	28	1.9	344	< 0.1	1.9	0.309	0.15	1.0	133	0.1	18.0	69	26.7	< 0.1		
410127	24.2	1.6	< 1	2.34	721	2.9	0.5	17	2.8	315	< 0.1	1.0	0.477	0.18	1.3	149	0.3	11.5	97	52.7	< 0.1		
410128	9.1	4.1	9	2.17	877	11.3	0.7	7	4.0	120	0.1	1.2	0.240	0.12	0.9	159	0.6	6.6	505	29.7	5.0	1.45	
410129	17.8	3.2	5	2.03	779	29.3	0.1	15	3.7	219	0.2	2.4	0.605	0.22	2.9	190	0.5	15.8	310	111	0.3	2.04	
410130 MR	28.6	> 5000	> 10.0	1.29	699	15.9	35.5	8	7.6	34	0.3	3.6	0.139	1.06	1.3	33	4.1	15.6	> 10000	116	0.6	3.10	0.61
410131	14.6	2.0	2	2.45	654	16.3	0.4	11	2.8	266	0.1	0.4	0.407	0.15	1.1	133	0.7	6.7	199	47.9	0.3		
410132	10.0	2.5	2	2.13	772	5.5	< 0.1	12	2.8	273	< 0.1	0.6	0.349	0.10	1.3	161	< 0.1	8.3	247	50.8	< 0.1		
410133	6.7	1.6	1	2.05	654	4.9	0.6	8	3.3	265	0.3	0.2	0.636	0.14	0.6	205	1.0	5.4	144	61.9	0.4		
410134	5.3	2.9	2	1.76	714	3.0	< 0.1	19	3.0	373	< 0.1	2.0	0.633	0.12	3.6	207	0.2	24.5	259	152	< 0.1	1.51	
410135	10.1	5.8	9	1.50	774	4.2	0.1	16	3.4	361	< 0.1	2.0	0.458	0.15	2.0	184	0.4	16.4	426	105	0.3	2.73	
410136	28.3	2.9	3	2.28	581	0.7	< 0.1	15	2.5	327	< 0.1	0.6	0.370	0.19	1.3	156	0.1	10.9	167	58.9	< 0.1		
410137	25.4	1.4	< 1	2.02	856	0.3	< 0.1	32	0.3	315	< 0.1	3.2	0.197	0.14	1.7	73	0.1	36.1	62	68.9	< 0.1		
410138	37.9	2.3	< 1	2.06	1030	0.4	0.2	30	0.4	328	< 0.1	3.1	0.257	0.20	1.8	88	< 0.1	34.9	72	43.5	< 0.1		
410139	31.3	3.4	< 1	1.86	1070	0.4	0.6	28	1.9	327	< 0.1	2.7	0.287	0.18	1.8	109	< 0.1	32.8	76	45.6	< 0.1		
410140	32.4	4.1	< 1	1.97	1090	0.7	1.0	29	2.4	310	< 0.1	2.9	0.410	0.21	1.8	116	< 0.1	33.7	77	47.4	< 0.1		
410141	34.8	4.0	5	1.64	871	8.1	0.1	19	1.8	175	< 0.1	2.6	0.514	0.22	1.8	142	1.3	21.2	84	93.3	0.2		
410142	43.7	2.1	< 1	2.42	1370	0.6	0.3	28	1.8	262	< 0.1	2.6	0.410	0.26	1.9	117	0.2	31.3	82	82.3	< 0.1		
410143	47.9	1.8	< 1	2.19	1130	0.5	0.3	30	1.0	236	< 0.1	2.7	0.293	0.28	1.8	123	0.5	30.2	92	74.0	< 0.1		
410144	45.4	2.0	< 1	1.97	970	0.2	0.1	34	0.3	301	< 0.1	3.0	0.171	0.24	2.0	107	< 0.1	33.8	77	54.9	< 0.1		
410145	48.9	1.8	1	2.48	1170	0.8	0.3	27	1.6	254	< 0.1	2.0	0.456	0.31	1.4	135	0.5	25.9	90	64.9	< 0.1		
410146	51.9	1.1	< 1	3.27	1390	1.1	0.3	37	0.7	253	< 0.1	2.0	0.511	0.25	0.8	196	0.5	25.5	99	42.8	< 0.1		
410147	43.5	1.5	< 1	2.50	1340	0.3	0.2	32	0.4	345	< 0.1	2.0	0.306	0.21	0.8	126	< 0.1	25.6	84	31.1	< 0.1		

Analyte Symbol	Rb	Pb	S	Mg	Mn	Mo	Sb	Sc	Sn	Sr	Ta	Th	Ti	Tl	U	V	W	Y	Zn	Zr	Te	Cu	Pb
Unit Symbol	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
Lower Limit	0.1	0.1	1	0.01	1	0.1	0.1	1	0.1	1	0.1	0.1	0.001	0.05	0.1	4	0.1	0.1	1	0.1	0.1	0.005	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-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	FUS-Na2O2	FUS-Na2O2
410148	54.7	1.3	< 1	3.40	1360	0.4	< 0.1	37	0.2	301	< 0.1	2.3	0.309	0.25	0.9	156	< 0.1	20.5	95	16.7	< 0.1		
410149	109	2.2	< 1	2.33	922	1.8	0.5	18	0.9	322	0.3	1.1	0.605	0.54	0.7	198	0.8	12.1	126	61.0	0.5		
410150 MR	70.7	8.5	2	1.15	3400	138	5.5	10	6.9	108	0.4	6.7	0.428	0.29	31.2	218	86.8	16.0	26	118	0.7		
410151	43.0	1.0	< 1	0.81	290	7.9	0.4	7	0.8	121	0.4	5.7	0.244	0.18	1.7	56	0.9	11.7	21	116	< 0.1		
410152	57.9	1.8	< 1	2.20	741	7.5	1.3	19	0.9	193	0.3	3.4	0.432	0.26	1.3	140	3.1	13.4	46	86.2	< 0.1		
410153	58.0	3.4	2	2.25	800	0.8	0.2	23	1.1	134	< 0.1	1.9	0.338	0.30	1.1	135	0.4	15.6	97	92.5	< 0.1		
410154	51.3	1.9	< 1	2.39	837	1.0	< 0.1	27	0.4	210	< 0.1	1.8	0.216	0.29	0.9	116	0.1	21.8	84	69.7	< 0.1		
410155	35.6	1.1	< 1	2.47	1340	0.6	< 0.1	31	0.4	317	< 0.1	2.3	0.363	0.18	1.0	118	0.1	27.3	85	91.6	< 0.1		
410156	76.6	2.2	< 1	1.76	1210	1.8	2.3	24	1.7	191	0.2	2.3	0.676	0.43	0.9	197	0.8	20.0	40	94.2	< 0.1		
410157	62.6	1.9	< 1	2.76	1150	1.0	0.6	27	0.7	222	< 0.1	2.9	0.553	0.38	1.1	167	0.2	17.8	37	120	< 0.1		
410158	17.3	5.7	< 1	6.82	1060	1.1	0.5	29	0.9	267	0.3	4.0	0.537	0.08	1.1	200	0.6	17.6	73	99.5	< 0.1		
410159	24.7	1.1	< 1	3.36	1410	0.5	0.2	38	0.2	361	< 0.1	2.4	0.403	0.14	0.7	183	< 0.1	21.0	77	48.9	< 0.1		
410160 MR	29.0	> 5000	> 10.0	1.35	668	16.2	37.2	8	8.0	35	0.3	3.5	0.146	1.07	1.3	33	4.2	15.7	> 10000	119	0.7	3.00	0.60
410161	13.1	2.8	< 1	1.91	637	3.1	0.4	20	5.8	330	0.5	1.2	0.891	0.13	2.1	236	0.3	24.0	80	171	< 0.1		
410162	10.0	4.3	2	2.35	666	5.9	0.5	10	2.9	335	0.2	0.4	0.461	0.10	1.1	163	0.5	6.7	229	49.3	0.5		
410163	6.5	2.2	5	2.21	873	5.7	0.1	10	3.1	291	< 0.1	0.9	0.333	0.13	1.3	139	0.2	6.7	418	43.2	0.2	2.67	
410164	7.7	3.5	5	1.89	765	4.2	0.2	10	2.9	187	< 0.1	0.6	0.376	0.08	1.6	131	0.2	6.8	401	45.0	0.5	3.00	
410165	2.5	6.4	5	2.37	773	2.7	0.1	14	2.8	210	< 0.1	1.0	0.364	0.15	1.7	148	0.1	11.1	314	69.2	< 0.1	2.40	
410166	4.5	5.9	4	2.31	821	7.8	0.3	17	2.6	331	< 0.1	1.4	0.394	0.12	2.0	162	0.2	12.2	383	85.2	0.2	2.57	
410167	7.7	6.1	6	2.02	731	15.9	0.2	13	3.1	283	< 0.1	1.0	0.407	0.15	1.9	147	0.5	11.0	290	72.4	0.3	3.06	
410168	13.6	19.3	6	2.05	805	5.3	0.5	24	3.1	290	< 0.1	2.4	0.531	0.15	3.0	164	0.2	24.3	170	138	< 0.1		
410169	28.4	7.7	< 1	2.33	859	4.4	0.5	26	1.6	322	0.3	2.5	0.749	0.17	1.4	200	0.4	23.3	139	94.0	< 0.1		
410170 BLC	38.8	6.7	< 1	0.43	272	3.2	< 0.1	6	0.3	356	< 0.1	1.4	0.094	0.25	0.3	25	< 0.1	5.6	22	36.4	< 0.1		
410171	11.6	1.9	< 1	1.96	797	3.2	1.9	25	1.2	440	0.4	1.6	0.583	0.07	0.8	198	1.5	20.5	44	42.1	< 0.1		
410172	8.3	1.0	< 1	1.76	912	1.6	1.4	20	1.2	239	0.4	1.5	0.751	0.08	0.9	216	0.6	24.2	54	72.1	< 0.1		
410173	26.9	1.5	< 1	1.97	949	0.5	0.3	30	0.2	317	< 0.1	2.9	0.298	0.14	1.3	110	0.2	34.5	56	62.1	< 0.1		
410174	45.5	1.6	< 1	1.95	831	3.0	0.3	26	1.5	206	0.2	2.7	0.401	0.22	1.5	128	0.4	32.1	87	37.3	0.3		
410175	55.7	2.5	< 1	1.96	614	4.7	0.3	14	1.3	254	< 0.1	3.2	0.406	0.31	1.2	136	0.6	10.6	51	63.1	0.1		
410176	43.8	1.1	1	1.92	967	1.2	0.2	27	1.7	115	< 0.1	2.8	0.389	0.22	1.6	87	0.5	32.4	81	54.8	< 0.1		
410177	46.6	1.1	1	2.68	930	0.8	0.3	28	1.2	140	< 0.1	1.9	0.442	0.27	1.0	156	0.4	21.6	88	48.3	< 0.1		
410178	30.5	1.9	< 1	2.42	1080	0.6	0.4	32	0.6	460	< 0.1	2.2	0.328	0.14	0.8	157	0.1	20.7	64	17.0	< 0.1		
410179	64.2	1.7	< 1	2.52	985	0.6	0.2	22	0.4	334	< 0.1	1.3	0.200	0.34	0.6	103	1.5	14.7	80	20.2	< 0.1		
410180	65.1	1.4	< 1	2.57	1040	1.2	< 0.1	23	0.4	335	< 0.1	1.4	0.425	0.33	0.7	159	4.4	15.5	75	32.6	< 0.1		
410181	39.9	3.3	4	1.95	661	2.9	< 0.1	16	2.1	291	< 0.1	2.0	0.486	0.20	1.0	161	1.1	11.8	56	58.7	0.2		
410182	52.9	1.3	< 1	1.90	954	1.4	0.3	29	1.3	319	0.1	2.8	0.349	0.25	1.4	130	0.2	33.5	62	39.7	< 0.1		
410183	86.0	1.1	< 1	1.98	828	2.6	0.3	27	1.5	279	0.3	1.9	0.538	0.49	1.0	178	0.4	24.0	79	56.7	0.1		
410184	67.7	1.1	< 1	2.13	855	1.1	0.2	23	1.4	295	< 0.1	1.5	0.384	0.43	0.8	124	< 0.1	22.5	87	40.2	< 0.1		
410185	67.0	1.2	< 1	2.25	913	0.6	< 0.1	27	0.2	315	< 0.1	1.9	0.304	0.31	1.1	102	0.1	25.4	60	46.1	< 0.1		
410186	70.4	1.3	< 1	2.29	847	1.7	0.2	29	1.1	311	< 0.1	1.9	0.463	0.37	0.9	143	0.1	25.1	64	56.0	< 0.1		
410187	41.3	1.4	< 1	2.26	951	0.3	< 0.1	30	0.3	376	< 0.1	2.3	0.228	0.21	2.0	74	< 0.1	27.8	53	45.0	< 0.1		
410188	38.3	1.0	< 1	2.45	1010	0.2	< 0.1	29	0.1	353	< 0.1	2.4	0.158	0.18	1.0	68	< 0.1	27.7	58	31.6	< 0.1		

Analyte Symbol	Rb	Pb	S	Mg	Mn	Mo	Sb	Sc	Sn	Sr	Ta	Th	Ti	Tl	U	V	W	Y	Zn	Zr	Te	Cu	Pb
Unit Symbol	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
Lower Limit	0.1	0.1	1	0.01	1	0.1	0.1	1	0.1	1	0.1	0.1	0.001	0.05	0.1	4	0.1	0.1	1	0.1	0.1	0.005	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-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	FUS-Na2O2	FUS-Na2O2
410189	66.6	1.1	< 1	2.41	810	3.9	0.2	23	0.7	199	0.3	1.5	0.585	0.56	0.9	202	0.6	17.8	83	135	< 0.1		
410190 MR	79.6	7.5	2	1.13	3300	109	3.7	14	5.8	75	< 0.1	3.6	0.313	0.28	31.5	195	12.9	18.9	26	127	< 0.1		
410191	61.2	1.1	< 1	2.36	868	0.6	< 0.1	30	0.5	296	< 0.1	2.4	0.230	0.35	1.2	120	0.1	28.4	85	66.7	< 0.1		
410192	41.6	1.1	< 1	2.52	1080	0.5	< 0.1	28	0.3	349	< 0.1	2.1	0.278	0.22	0.9	95	< 0.1	22.5	67	85.8	< 0.1		
410193	81.0	1.3	< 1	2.14	1040	0.7	0.1	26	0.2	228	< 0.1	1.9	0.290	0.41	0.8	105	0.2	16.3	54	99.5	< 0.1		
410194	50.6	1.1	< 1	2.32	1090	0.8	0.1	30	0.5	265	< 0.1	2.8	0.456	0.29	1.1	136	0.1	29.4	82	79.1	< 0.1		
410195	65.8	1.2	< 1	2.05	1370	3.2	< 0.1	29	0.6	253	0.1	4.3	0.580	0.38	1.8	130	0.4	29.2	126	140	< 0.1		
410196	86.7	0.9	< 1	2.24	1970	3.4	0.3	28	1.5	205	0.3	2.2	0.754	0.53	1.2	210	5.9	23.6	275	135	0.3		
410197	17.3	2.1	< 1	2.51	1160	1.3	0.2	30	0.5	376	< 0.1	2.9	0.438	0.09	1.0	133	< 0.1	29.9	84	70.8	< 0.1		
410198	18.6	1.2	< 1	2.18	1070	0.2	< 0.1	28	0.1	325	< 0.1	2.4	0.151	0.12	0.9	56	< 0.1	28.2	62	32.4	< 0.1		
410199	50.2	4.0	< 1	2.27	1550	3.1	6.1	23	1.0	245	0.4	1.8	0.608	0.30	0.8	193	3.6	22.5	36	82.4	0.1		
410200	33.6	5.4	< 1	0.27	718	7.2	0.2	6	1.3	122	0.4	3.3	0.179	0.16	1.4	17	0.7	19.8	54	122	< 0.1		
410201	32.8	6.3	< 1	0.30	766	9.5	0.3	8	1.7	148	0.7	5.1	0.191	0.14	2.2	24	1.0	28.8	61	110	< 0.1		
410202	32.8	4.9	< 1	0.28	780	7.4	0.2	7	1.1	89	0.4	2.8	0.187	0.13	0.9	17	0.7	19.0	50	112	< 0.1		
410203	37.5	6.1	< 1	0.28	998	9.6	0.4	8	1.2	166	0.4	3.6	0.196	0.15	1.5	20	0.6	27.1	53	115	< 0.1		
410204	24.5	6.9	< 1	0.27	710	7.2	0.4	6	1.1	224	0.4	2.9	0.182	0.11	1.3	16	0.3	20.5	57	115	< 0.1		
410205	35.4	7.5	< 1	0.27	757	11.1	0.4	7	1.1	181	0.4	3.4	0.180	0.16	1.5	18	0.6	20.7	55	98.2	< 0.1		
410206	39.0	6.0	< 1	0.28	775	9.0	0.2	7	1.3	88	0.5	3.7	0.190	0.17	5.9	16	0.8	18.8	43	95.2	< 0.1		
410207	33.8	8.2	< 1	0.29	740	10.6	0.2	6	1.2	160	0.5	3.3	0.184	0.15	1.6	19	0.6	18.6	57	100	< 0.1		
410208	32.8	12.2	< 1	0.27	777	7.7	0.3	7	1.3	130	0.4	3.6	0.176	0.14	1.6	17	0.4	18.6	55	99.5	< 0.1		
410209	38.5	6.1	< 1	0.27	694	7.9	0.2	7	1.2	114	0.3	3.3	0.169	0.17	1.4	16	0.4	17.7	49	96.4	< 0.1		
410210 BLC	38.7	7.1	< 1	0.43	263	11.8	< 0.1	6	0.5	343	0.2	1.6	0.156	0.27	0.4	40	0.3	5.8	22	46.3	< 0.1		
410211	29.5	10.8	< 1	0.26	674	7.6	0.3	6	1.2	109	0.4	3.4	0.182	0.16	1.4	17	0.6	16.2	57	91.4	< 0.1		
410212	44.0	12.3	< 1	0.24	694	14.5	0.3	6	1.2	68	0.4	3.7	0.169	0.21	1.6	17	1.5	14.0	67	101	< 0.1		
410213	44.0	15.2	< 1	0.18	1040	9.2	0.4	5	1.0	85	0.4	3.4	0.144	0.21	1.6	12	1.5	14.0	48	84.9	< 0.1		
410214	41.4	17.0	< 1	0.20	732	10.0	0.8	5	1.1	73	0.5	3.4	0.138	0.20	3.2	12	1.9	11.3	47	82.8	< 0.1		
410215 MR	57.3	19.1	< 1	1.26	871	4.6	2.1	13	0.7	318	< 0.1	3.1	0.289	0.62	0.8	107	1.5	10.2	77	67.6	3.6		
410216	49.3	5.9	< 1	0.32	773	14.3	0.5	6	1.4	90	0.5	3.7	0.168	0.23	1.6	19	3.1	14.2	81	94.5	< 0.1		
410217	47.1	15.8	< 1	0.29	634	12.1	2.7	6	1.4	68	0.5	3.6	0.169	0.22	1.6	16	4.6	11.8	107	97.4	0.1		
410218	29.7	5.7	< 1	0.31	650	8.2	0.5	6	1.1	140	0.6	3.6	0.181	0.16	1.7	13	0.8	17.9	56	106	< 0.1		
410219	24.0	9.0	< 1	0.26	709	11.4	0.7	6	1.4	197	0.4	2.6	0.175	0.13	1.3	21	0.6	20.4	48	92.7	< 0.1		
410220	22.5	8.2	< 1	0.25	680	8.4	0.6	6	1.4	189	0.3	2.5	0.178	0.12	1.3	19	0.5	18.7	48	92.0	< 0.1		
410221	27.0	5.8	< 1	0.26	710	10.3	0.4	6	1.0	209	0.3	3.0	0.172	0.16	1.3	19	0.2	21.7	54	101	< 0.1		
410222	29.4	6.4	< 1	0.32	804	8.9	0.4	7	1.1	177	0.3	2.8	0.188	0.15	1.1	18	0.4	21.4	60	94.1	< 0.1		
410223	27.1	5.5	< 1	0.25	677	7.0	0.3	6	1.0	175	0.3	2.7	0.162	0.13	1.1	16	0.4	19.6	50	85.8	< 0.1		

Analyte Symbol	Zn
Unit Symbol	%
Lower Limit	0.01
Method Code	FUS-Na2O2
410065	
410066	
410067	
410068	
410069	
410070 BLC	
410071	
410072	
410073	
410074	
410075	
410076	
410077	
410078	
410079	
410080 BLC	
410081	
410082	
410083	
410084	
410085	
410086	
410087	
410088	
410089	
410090 MR	
410091	
410092	
410093	
410094	
410095	
410096	
410097	
410098	
410099	
410100	
410101	
410102	
410103	
410104	
410105	

Analyte Symbol	Zn
Unit Symbol	%
Lower Limit	0.01
Method Code	FUS-Na2O2
410106	
410107	
410108	
410109	
410110 BLC	
410111	
410112	
410113	
410114	
410115	
410116	
410117	
410118	
410119	
410120 BLC	
410121	
410122	
410123	
410124	
410125	
410126	
410127	
410128	
410129	
410130 MR	2.45
410131	
410132	
410133	
410134	
410135	
410136	
410137	
410138	
410139	
410140	
410141	
410142	
410143	
410144	
410145	
410146	
410147	

Analyte Symbol	Zn
Unit Symbol	%
Lower Limit	0.01
Method Code	FUS-Na2O2
410148	
410149	
410150 MR	
410151	
410152	
410153	
410154	
410155	
410156	
410157	
410158	
410159	
410160 MR	2.41
410161	
410162	
410163	
410164	
410165	
410166	
410167	
410168	
410169	
410170 BLC	
410171	
410172	
410173	
410174	
410175	
410176	
410177	
410178	
410179	
410180	
410181	
410182	
410183	
410184	
410185	
410186	
410187	
410188	

Analyte Symbol	Zn
Unit Symbol	%
Lower Limit	0.01
Method Code	FUS-Na2O2
410189	
410190 MR	
410191	
410192	
410193	
410194	
410195	
410196	
410197	
410198	
410199	
410200	
410201	
410202	
410203	
410204	
410205	
410206	
410207	
410208	
410209	
410210 BLC	
410211	
410212	
410213	
410214	
410215 MR	
410216	
410217	
410218	
410219	
410220	
410221	
410222	
410223	

Analyte Symbol	Al	Ag	As	Au	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Cs	Fe	Hf	K	La	Li	Na	Nb	Ni	P
Unit Symbol	%	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	%
Lower Limit	0.01	0.1	1	100	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.1	0.01	0.1	0.01	0.1	0.1	0.001	0.1	0.1	0.001
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-1 Meas	2.15	28.5	417	> 2000	666	< 1	1380	0.98	2.4	14	7.7	21	1140	2.7	25.9	0.5	0.04	7.4	8.2	0.041	0.8	41.5	0.063
GXR-1 Cert	3.52	31.0	427	3300	750	1.22	1380	0.960	3.30	17.0	8.20	12.0	1110	3.00	23.6	0.960	0.050	7.50	8.20	0.0520	0.800	41.0	0.0650
GXR-1 Meas	2.09	30.7	424	> 2000	698	< 1	1410	1.05	2.8	15	8.1	25	1140	2.9	26.1	0.5	0.04	7.7	8.4	0.044	0.8	44.2	0.068
GXR-1 Cert	3.52	31.0	427	3300	750	1.22	1380	0.960	3.30	17.0	8.20	12.0	1110	3.00	23.6	0.960	0.050	7.50	8.20	0.0520	0.800	41.0	0.0650
DH-1a Meas																							
DH-1a Cert																							
DH-1a Meas																							
DH-1a Cert																							
GXR-4 Meas	6.54	3.0	96	500	348	2	17.9	0.98	0.1	100	13.1	59	6010	2.5	3.04	1.5	2.00	54.1	11.1	0.553	10.0	38.6	0.144
GXR-4 Cert	7.20	4.0	98.0	500	1640	1.90	19.0	1.01	0.860	102	14.6	64.0	6520	2.80	3.09	6.30	4.01	64.5	11.1	0.564	10.0	42.0	0.120
GXR-4 Meas	6.76	3.0	94	400	1530	2	17.7	0.98	0.2	105	13.4	44	5970	2.5	3.04	1.4	4.10	58.8	10.6	0.544	9.3	38.7	0.138
GXR-4 Cert	7.20	4.0	98.0	500	1640	1.90	19.0	1.01	0.860	102	14.6	64.0	6520	2.80	3.09	6.30	4.01	64.5	11.1	0.564	10.0	42.0	0.120
SDC-1 Meas	7.86		< 1		632	3		1.01		83	16.8	47	29.9	3.7	4.78	0.8	2.74	38.2	33.3	1.53	2.2	36.7	0.058
SDC-1 Cert	8.34		0.220		630	3.00		1.00		93.00	18.0	64.00	30.000	4.00	4.82	8.30	2.72	42.00	34.0	1.52	21.00	38.0	0.0690
SDC-1 Meas	7.44		< 1		601	3		0.99		78	16.7	43	29.1	3.8	4.70	1.0	1.74	32.3	32.5	1.53	0.8	34.1	0.056
SDC-1 Cert	8.34		0.220		630	3.00		1.00		93.00	18.0	64.00	30.000	4.00	4.82	8.30	2.72	42.00	34.0	1.52	21.00	38.0	0.0690
GXR-6 Meas	13.9	0.2	259	< 100	1410	1	0.2	0.18	< 0.1	33	13.0	61	76.0	4.0	5.67	2.2	1.94	12.4	35.7	0.098	2.2	25.4	0.038
GXR-6 Cert	17.7	1.30	330	95.0	1300	1.40	0.290	0.180	1.00	36.0	13.8	96.0	66.0	4.20	5.58	4.30	1.87	13.9	32.0	0.104	7.50	27.0	0.0350
GXR-6 Meas	14.2	0.2	271	< 100	1420	1	0.2	0.19	< 0.1	34	13.0	66	66.0	4.1	5.60	2.4	1.87	12.6	35.4	0.101	2.5	24.9	0.039
GXR-6 Cert	17.7	1.30	330	95.0	1300	1.40	0.290	0.180	1.00	36.0	13.8	96.0	66.0	4.20	5.58	4.30	1.87	13.9	32.0	0.104	7.50	27.0	0.0350
OREAS 134b (Fusion) Meas																							
OREAS 134b (Fusion) Cert																							
MP-1b Meas																							
MP-1b Cert																							
DNC-1a Meas					101						53.7	138	96.6					3.6	4.5		1.4	272	
DNC-1a Cert					118						57	270	100					3.6	5.2		3	247	
DNC-1a Meas					99						54.6	141	95.8					3.6	4.5		1.4	261	
DNC-1a Cert					118						57	270	100					3.6	5.2		3	247	
CPB-2 Meas																							
CPB-2 Cert																							
CZN-4 Meas																							
CZN-4 Cert																							
SBC-1 Meas			26		807	3	0.7		0.4	106	22.9	98	32.4	8.4		3.2		50.7	167		13.2	91.7	
SBC-1 Cert			25.7		788.0	3.20	0.70		0.40	108.0	22.7	109	31.0000	8.2		3.7		52.5	163		15.3	82.8	
SBC-1 Meas			24		797	3	0.6		0.3	102	22.4	105	32.0	8.1		3.4		49.7	163		15.5	89.6	
SBC-1 Cert			25.7		788.0	3.20	0.70		0.40	108.0	22.7	109	31.0000	8.2		3.7		52.5	163		15.3	82.8	
OREAS 45d (4-Acid) Meas	7.42		5		173	< 1	0.3	0.17		33	26.4	437	355	3.5	13.9	1.8	0.41	15.4	21.2	0.090	0.5	226	0.034
OREAS 45d (4-Acid) Cert	8.150		13.8		183.0	0.79	0.31	0.185		37.20	29.50	549	371	3.910	14.5	3.830	0.412	16.9	21.5	0.101	14.50	231.0	0.042

Analyte Symbol	Al	Ag	As	Au	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Cs	Fe	Hf	K	La	Li	Na	Nb	Ni	P
Unit Symbol	%	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	%
Lower Limit	0.01	0.1	1	100	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.1	0.01	0.1	0.01	0.1	0.1	0.001	0.1	0.1	0.001
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 45d (4-Acid) Meas	8.00		9		175	< 1	0.4	0.18		34	27.9	475	360	3.6	14.5	2.4	0.43	15.9	21.4	0.090	3.5	236	0.038
OREAS 45d (4-Acid) Cert	8.150		13.8		183.0	0.79	0.31	0.185		37.20	29.50	549	371	3.910	14.5	3.830	0.412	16.9	21.5	0.101	14.50	231.0	0.042
SdAR-M2 (U.S.G.S.) Meas					1010	6	1.0		5.5	96	13.2	40	253	1.7		3.4		46.1	17.8		13.1	53.1	
SdAR-M2 (U.S.G.S.) Cert					990	6.6	1.05		5.1	98.8	12.4	49.6	236.0000	1.82		7.29		46.6	17.9		26.2	48.8	
410065 Orig	7.54	< 0.1	< 1	100	235	< 1	< 0.1	6.54	< 0.1	32	38.8	60	37.5	0.3	9.13	1.1	0.65	14.0	12.1	1.81	0.8	26.1	0.077
410065 Dup	7.61	< 0.1	< 1	< 100	247	< 1	< 0.1	6.97	< 0.1	33	40.3	60	38.8	0.4	9.55	1.2	0.67	14.7	12.8	1.89	0.9	25.8	0.082
410103 Orig	6.79	< 0.1	< 1	< 100	442	1	< 0.1	2.52	< 0.1	32	4.4	120	8.8	0.4	2.73	2.6	1.83	14.9	6.3	2.35	3.9	2.6	0.034
410103 Dup	7.05	< 0.1	1	< 100	446	1	< 0.1	2.44	< 0.1	35	4.8	120	1.5	0.4	2.71	2.7	1.81	17.2	6.5	2.33	6.4	2.4	0.034
410105 Orig	6.86	< 0.1	10	< 100	380	2	< 0.1	2.51	< 0.1	29	4.8	116	0.9	0.5	2.89	3.0	1.45	12.9	6.4	2.58	7.3	2.1	0.037
410105 Dup	7.23	< 0.1	7	< 100	391	2	< 0.1	2.57	< 0.1	34	4.7	118	1.3	0.5	2.93	2.8	1.56	15.8	6.5	2.54	7.6	2.2	0.038
410141 Orig	6.58	0.5	292	1900	60	< 1	3.1	3.05	0.1	43	595	70	959	0.5	17.0	2.3	1.48	22.5	10.5	1.74	4.7	48.6	0.093
410141 Dup	6.69	0.5	312	> 2000	61	< 1	3.1	3.09	< 0.1	46	639	75	945	0.6	16.8	2.2	1.45	24.8	10.6	1.71	3.4	48.9	0.092
410146 Orig	8.14	< 0.1	2	< 100	276	< 1	0.4	6.49	< 0.1	34	37.3	75	191	0.4	10.2	1.0	1.52	14.7	14.1	1.60	1.2	25.0	0.091
410146 Dup	8.16	< 0.1	3	< 100	274	< 1	0.4	6.57	< 0.1	34	37.4	74	203	0.4	10.3	1.2	1.54	14.9	14.0	1.58	2.9	25.7	0.095
410177 Orig	7.25	0.2	35	100	223	< 1	3.1	6.02	0.1	37	77.9	76	688	1.4	10.6	1.3	1.22	17.2	17.6	1.70	2.8	20.6	0.100
410177 Dup	7.36	0.2	34	< 100	218	< 1	3.2	5.99	< 0.1	38	83.9	68	668	1.4	10.2	1.3	1.21	17.5	17.3	1.69	2.1	20.3	0.093
410187 Orig	8.66	< 0.1	< 1	100	219	< 1	0.2	6.62	< 0.1	40	30.0	46	209	0.6	8.72	1.1	1.32	17.2	12.2	2.43	0.6	16.3	0.108
410187 Dup	8.75	< 0.1	< 1	< 100	225	< 1	0.2	6.70	< 0.1	41	31.7	52	189	0.6	8.96	1.0	1.37	17.9	12.2	2.50	0.8	16.6	0.109
410189 Orig	6.40	< 0.1	14	< 100	382	< 1	1.1	3.51	< 0.1	25	58.6	85	275	2.4	10.8	3.5	1.49	10.3	21.9	1.58	9.5	16.9	0.096
410189 Dup	7.76	< 0.1	9	100	422	< 1	0.9	3.55	< 0.1	35	59.7	76	272	2.8	11.1	3.0	2.15	15.9	22.3	1.63	3.5	17.4	0.095
410216 Orig	6.72	< 0.1	58	< 100	397	1	0.1	2.32	< 0.1	29	5.0	156	4.2	0.7	3.02	2.7	2.63	13.7	4.5	0.786	7.5	3.1	0.034
410216 Dup	6.61	< 0.1	57	100	394	1	< 0.1	2.33	< 0.1	31	4.6	156	4.2	0.6	2.99	3.0	2.64	14.2	4.4	0.772	7.3	3.3	0.033
Method Blank	< 0.01	< 0.1	< 1	< 100	< 1	< 1	< 0.1	< 0.01	< 0.1	< 1	< 0.2	5	< 0.1	< 0.1	< 0.01	< 0.1	< 0.01	< 0.1	< 0.1	< 0.001	< 0.1	< 0.1	< 0.001
Method Blank	< 0.01	< 0.1	< 1	< 100	< 1	< 1	< 0.1	< 0.01	< 0.1	< 1	< 0.2	5	< 0.1	< 0.1	< 0.01	< 0.1	< 0.01	< 0.1	< 0.1	< 0.001	< 0.1	< 0.1	< 0.001
Method Blank	< 0.01	< 0.1	< 1	< 100	< 1	< 1	< 0.1	< 0.01	< 0.1	< 1	< 0.2	3	< 0.1	< 0.1	< 0.01	< 0.1	< 0.01	< 0.1	< 0.1	< 0.001	< 0.1	< 0.1	< 0.001
Method Blank	< 0.01	< 0.1	< 1	< 100	< 1	< 1	< 0.1	0.02	< 0.1	< 1	< 0.2	2	< 0.1	< 0.1	0.02	< 0.1	< 0.01	0.2	< 0.1	< 0.001	< 0.1	< 0.1	< 0.001
Method Blank	< 0.01	< 0.1	< 1	< 100	< 1	< 1	< 0.1	< 0.01	< 0.1	< 1	< 0.2	4	< 0.1	< 0.1	< 0.01	< 0.1	< 0.01	< 0.1	< 0.1	< 0.001	< 0.1	< 0.1	< 0.001
Method Blank																							

Analyte Symbol	Rb	Pb	S	Mg	Mn	Mo	Sb	Sc	Sn	Sr	Ta	Th	Ti	Tl	U	V	W	Y	Zn	Zr	Te	Cu	Pb
Unit Symbol	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
Lower Limit	0.1	0.1	1	0.01	1	0.1	0.1	1	0.1	1	0.1	0.1	0.001	0.05	0.1	4	0.1	0.1	1	0.1	0.1	0.005	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-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	FUS-Na2O2	FUS-Na2O2
GXR-1 Meas	2.4	766	< 1	0.21	875	16.3	19.0	1	24.2	291	< 0.1	2.8	0.025	0.42	35.2	83	134	28.9	813	20.6	6.9		
GXR-1 Cert	14.0	730	0.257	0.217	852	18.0	122	1.58	54.0	275	0.175	2.44	0.036	0.390	34.9	80.0	164	32.0	760	38.0	13.0		
GXR-1 Meas	2.5	778	< 1	0.22	928	17.6	29.8	1	26.8	304	< 0.1	2.8	0.025	0.40	34.8	88	148	29.3	864	21.9	8.7		
GXR-1 Cert	14.0	730	0.257	0.217	852	18.0	122	1.58	54.0	275	0.175	2.44	0.036	0.390	34.9	80.0	164	32.0	760	38.0	13.0		
DH-1a Meas												967			2400								
DH-1a Cert												910			2629								
DH-1a Meas												939			2380								
DH-1a Cert												910			2629								
GXR-4 Meas	89.4	49.9	2	1.68	148	288	4.6	7	6.4	204	0.6	23.6	0.271	3.28	5.9	86	35.4	12.4	71	49.0	0.9		
GXR-4 Cert	160	52.0	1.77	1.66	155	310	4.80	7.70	5.60	221	0.790	22.5	0.29	3.20	6.20	87.0	30.8	14.0	73.0	186	0.970		
GXR-4 Meas	123	49.9	2	1.65	152	288	4.5	7	6.5	209	0.6	24.8	0.265	3.22	5.6	84	34.1	12.8	70	45.6	0.8		
GXR-4 Cert	160	52.0	1.77	1.66	155	310	4.80	7.70	5.60	221	0.790	22.5	0.29	3.20	6.20	87.0	30.8	14.0	73.0	186	0.970		
SDC-1 Meas	99.5	23.3		0.99	832		< 0.1	14	0.5	167	0.1	12.2	0.161	0.62	2.6	40	0.1		108	28.7			
SDC-1 Cert	127.00	25.00		1.02	880.00		0.54	17.00	3.00	180.00	1.20	12.00	0.606	0.70	3.10	102.00	0.80		103.00	290.00			
SDC-1 Meas	78.1	22.6		0.95	827		< 0.1	14	0.2	158	< 0.1	10.7	0.141	0.62	2.5	43	< 0.1		109	39.9			
SDC-1 Cert	127.00	25.00		1.02	880.00		0.54	17.00	3.00	180.00	1.20	12.00	0.606	0.70	3.10	102.00	0.80		103.00	290.00			
GXR-6 Meas	68.8	99.8	< 1	0.51	998	1.0	1.5	25	0.8	37	0.1	5.7		2.21	1.5	137	0.6	12.4	134	74.9	< 0.1		
GXR-6 Cert	90.0	101	0.0160	0.609	1010	2.40	3.60	27.6	1.70	35.0	0.485	5.30		2.20	1.54	186	1.90	14.0	118	110	0.0180		
GXR-6 Meas	68.8	98.8	< 1	0.58	1040	1.2	1.3	26	0.9	39	0.1	5.6		2.19	1.4	152	0.4	11.7	135	84.1	< 0.1		
GXR-6 Cert	90.0	101	0.0160	0.609	1010	2.40	3.60	27.6	1.70	35.0	0.485	5.30		2.20	1.54	186	1.90	14.0	118	110	0.0180		
OREAS 134b (Fusion) Meas																						0.136	12.8
OREAS 134b (Fusion) Cert																						0.134	13.20
MP-1b Meas																						2.94	2.01
MP-1b Cert																						3.07	2.09
DNC-1a Meas	3.0	5.6					0.8	30		134			0.280			144		15.0	68	35.7			
DNC-1a Cert	5	6.3					0.96	31		144			0.29			148		18.0	70	38.0			
DNC-1a Meas	3.0	5.6					0.8	31		139			0.287			147		15.2	70	36.0			
DNC-1a Cert	5	6.3					0.96	31		144			0.29			148		18.0	70	38.0			
CPB-2 Meas																						0.130	61.9
CPB-2 Cert																						0.1213	63.52
CZN-4 Meas																						0.431	0.19
CZN-4 Cert																						0.403	0.1861
SBC-1 Meas	127	36.9				2.6	1.0	21	3.0	178	0.7	17.7	0.475	0.97	6.0	221	1.6	31.8	212	121			
SBC-1 Cert	147	35.0				2.4	1.01	20.0	3.3	178.0	1.10	15.8	0.51	0.89	5.76	220.0	1.60	36.5	186	134.0			
SBC-1 Meas	122	35.5				2.2	1.1	21	4.1	177	1.0	16.7	0.498	0.92	5.7	221	1.7	30.5	209	123			
SBC-1 Cert	147	35.0				2.4	1.01	20.0	3.3	178.0	1.10	15.8	0.51	0.89	5.76	220.0	1.60	36.5	186	134.0			
OREAS 45d (4-Acid) Meas	33.1	21.4	< 1	0.19	461	0.3	< 0.1	46	0.3	28	< 0.1	14.7	0.173	0.26	2.8	98	0.2	10.3	42	68.7			
OREAS 45d (4-Acid) Cert	42.1	21.8	0.049	0.245	490.000	2.500	0.82	49.30	2.78	31.30	1.02	14.5	0.773	0.27	2.63	235.0	1.62	9.53	45.7	141			

Analyte Symbol	Rb	Pb	S	Mg	Mn	Mo	Sb	Sc	Sn	Sr	Ta	Th	Ti	Tl	U	V	W	Y	Zn	Zr	Te	Cu	Pb
Unit Symbol	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
Lower Limit	0.1	0.1	1	0.01	1	0.1	0.1	1	0.1	1	0.1	0.1	0.001	0.05	0.1	4	0.1	0.1	1	0.1	0.1	0.005	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-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	FUS-Na2O2	FUS-Na2O2
OREAS 45d (4-Acid) Meas	34.8	21.0	< 1	0.20	473	0.9	< 0.1	49	0.8	28	0.2	16.0	0.352	0.26	2.8	128	0.4	10.9	45	96.2			
OREAS 45d (4-Acid) Cert	42.1	21.8	0.049	0.245	490.000	2.500	0.82	49.30	2.78	31.30	1.02	14.5	0.773	0.27	2.63	235.0	1.62	9.53	45.7	141			
SdAR-M2 (U.S.G.S.) Meas	119	782				10.0		4		136	0.5	15.7			2.5	24	0.8	25.6	860	114			
SdAR-M2 (U.S.G.S.) Cert	149	808				13.3		4.1		144	1.8	14.2			2.53	25.2	2.8	32.7	760	259			
410065 Orig	14.8	2.0	< 1	3.20	1470	0.3	< 0.1	34	0.1	287	< 0.1	2.3	0.248	0.10	6.2	153	0.3	20.5	112	41.8	< 0.1		
410065 Dup	15.3	2.3	< 1	3.30	1520	0.3	< 0.1	36	0.2	301	< 0.1	2.4	0.254	0.10	0.7	149	0.4	21.4	120	50.6	< 0.1		
410103 Orig	33.7	7.6	< 1	0.30	699	10.0	0.2	6	1.3	131	0.2	3.7	0.158	0.15	1.6	17	0.5	14.5	46	91.2	< 0.1		
410103 Dup	34.4	7.8	< 1	0.30	682	11.4	0.2	7	1.3	141	0.4	4.1	0.178	0.15	1.5	19	0.8	14.8	46	98.7	< 0.1		
410105 Orig	30.7	6.8	< 1	0.31	772	10.3	0.4	7	1.7	171	0.5	4.0	0.189	0.16	2.0	21	0.8	19.4	52	98.5	< 0.1		
410105 Dup	32.8	7.2	< 1	0.32	773	10.4	0.4	7	2.0	193	0.6	4.7	0.195	0.15	2.2	22	1.1	21.2	56	92.3	< 0.1		
410141 Orig	33.5	4.0	5	1.65	885	9.1	0.1	19	1.8	178	< 0.1	2.5	0.523	0.22	1.8	146	1.4	20.8	85	95.5	0.2		
410141 Dup	36.1	4.0	5	1.63	857	7.1	0.1	19	1.8	173	< 0.1	2.7	0.504	0.22	1.8	139	1.2	21.6	84	91.0	0.2		
410146 Orig	51.7	1.1	< 1	3.28	1380	0.9	0.2	37	0.6	251	< 0.1	2.1	0.421	0.24	0.8	170	0.3	25.6	99	37.6	< 0.1		
410146 Dup	52.1	1.1	< 1	3.25	1400	1.4	0.3	38	0.8	256	< 0.1	2.0	0.600	0.25	0.8	223	0.6	25.4	99	48.0	< 0.1		
410177 Orig	46.1	1.1	1	2.72	936	0.8	0.3	29	1.2	139	< 0.1	1.9	0.449	0.28	1.0	155	0.4	21.8	91	48.0	< 0.1		
410177 Dup	47.0	1.1	1	2.63	924	0.8	0.3	28	1.2	142	< 0.1	1.9	0.435	0.26	1.0	156	0.4	21.4	86	48.5	< 0.1		
410187 Orig	40.8	1.1	< 1	2.24	943	0.3	< 0.1	30	0.3	366	< 0.1	2.2	0.222	0.21	0.9	72	< 0.1	27.5	52	45.5	< 0.1		
410187 Dup	41.7	1.6	< 1	2.28	960	0.3	< 0.1	30	0.2	386	< 0.1	2.3	0.234	0.21	3.2	75	< 0.1	28.1	54	44.5	< 0.1		
410189 Orig	46.6	1.0	< 1	2.35	819	5.5	0.3	20	1.0	192	0.5	1.1	0.719	0.56	0.8	223	0.8	15.4	83	139	< 0.1		
410189 Dup	86.5	1.1	< 1	2.48	802	2.2	0.1	26	0.3	207	0.2	2.0	0.451	0.56	1.0	180	0.3	20.1	82	131	< 0.1		
410216 Orig	49.2	6.0	< 1	0.32	784	14.0	0.5	6	1.5	92	0.5	3.6	0.172	0.23	1.6	19	3.1	14.3	84	90.7	< 0.1		
410216 Dup	49.4	5.9	< 1	0.32	762	14.6	0.5	6	1.3	89	0.5	3.7	0.164	0.23	1.6	20	3.1	14.2	79	98.3	< 0.1		
Method Blank	< 0.1	< 0.1	< 1	< 0.01	9	< 0.1	0.1	< 1	< 0.1	< 1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.1	< 4	0.2	< 0.1	< 1	0.1	< 0.1		
Method Blank	< 0.1	< 0.1	< 1	< 0.01	9	< 0.1	< 0.1	< 1	0.1	< 1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.1	< 4	0.1	< 0.1	< 1	0.2	< 0.1		
Method Blank	< 0.1	< 0.1	< 1	< 0.01	9	< 0.1	< 0.1	< 1	< 0.1	< 1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.1	< 4	< 0.1	< 0.1	< 1	0.1	< 0.1		
Method Blank	0.5	< 0.1	< 1	< 0.01	16	< 0.1	< 0.1	< 1	< 0.1	< 1	< 0.1	0.1	< 0.001	< 0.05	< 0.1	< 4	< 0.1	< 0.1	< 1	0.3	< 0.1		
Method Blank	< 0.1	< 0.1	< 1	< 0.01	9	< 0.1	< 0.1	< 1	< 0.1	< 1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.1	< 4	< 0.1	< 0.1	< 1	0.2	< 0.1		
Method Blank																						< 0.005	< 0.01

Analyte Symbol	Zn
Unit Symbol	%
Lower Limit	0.01
Method Code	FUS-Na2O2
GXR-1 Meas	
GXR-1 Cert	
GXR-1 Meas	
GXR-1 Cert	
DH-1a Meas	
DH-1a Cert	
DH-1a Meas	
DH-1a Cert	
GXR-4 Meas	
GXR-4 Cert	
GXR-4 Meas	
GXR-4 Cert	
SDC-1 Meas	
SDC-1 Cert	
SDC-1 Meas	
SDC-1 Cert	
GXR-6 Meas	
GXR-6 Cert	
GXR-6 Meas	
GXR-6 Cert	
OREAS 134b (Fusion) Meas	17.4
OREAS 134b (Fusion) Cert	18.12
MP-1b Meas	15.9
MP-1b Cert	16.7
DNC-1a Meas	
DNC-1a Cert	
DNC-1a Meas	
DNC-1a Cert	
CPB-2 Meas	6.04
CPB-2 Cert	6.04
CZN-4 Meas	57.5
CZN-4 Cert	55.07
SBC-1 Meas	
SBC-1 Cert	
SBC-1 Meas	
SBC-1 Cert	
OREAS 45d (4-Acid) Meas	
OREAS 45d (4-Acid) Cert	

Analyte Symbol	Zn
Unit Symbol	%
Lower Limit	0.01
Method Code	FUS-Na2O2
OREAS 45d (4-Acid) Meas	
OREAS 45d (4-Acid) Cert	
SdAR-M2 (U.S.G.S.) Meas	
SdAR-M2 (U.S.G.S.) Cert	
410065 Orig	
410065 Dup	
410103 Orig	
410103 Dup	
410105 Orig	
410105 Dup	
410141 Orig	
410141 Dup	
410146 Orig	
410146 Dup	
410177 Orig	
410177 Dup	
410187 Orig	
410187 Dup	
410189 Orig	
410189 Dup	
410216 Orig	
410216 Dup	
Method Blank	
Method Blank	
Method Blank	
Method Blank	
Method Blank	
Method Blank	< 0.01

TECHNI-LAB
pyroanalyse
géochimie
environnement

Client : Madame Michelle Sciortino
True North Nickel
375, bay street, suite 800
Toronto (On) M5H 2T7

Date d'émission: 23 août 2017
Date de réception: 4 août 2017
Date d'analyses: 16 août 2017
Projet: Qiqavik
Certificat: 39045

CERTIFICAT D'ANALYSE

190 échantillons de roches ont été reçus pour analyses.

Notes :

Ce certificat remplace et annule tous certificats antérieurs, le cas échéant.

® Ce document est pour l'usage exclusif du client et ne peut être reproduit, sinon en entier, sans l'autorisation écrite de Techni-Lab S. G. B. Abitibi inc. Si vous avez reçu ce certificat par erreur, soyez avisé que tout usage, reproduction ou distribution de celui-ci est strictement interdit. Les échantillons seront conservés pendant 30 jours à partir de la date du certificat à moins d'avis écrit du client.

® Les résultats d'essai ne se rapportent qu'aux objets soumis à l'essai tels qu'ils ont été reçus par le laboratoire.

SCC Accredited LAB
LAB Accrédité CCN
LAB 707

Les résultats des échantillons sont vérifiés et approuvés par :

Vanessa Perreault

Vanessa PERREAULT, chimiste 2015-121

CHIMISTE
Vanessa Perreault
2015-121
QUÉBEC

TECHNI-LAB
pyroanalyse
géochimie
environnement

CERTIFICAT D'ANALYSE

À l'attention de Madame Michelle Sciortino

Client True North Nickel
375, bay street, suite 800
Toronto (On) M5H 2T7

Tél.: 416-363-0649 #233

Date d'émission: 23 août 2017
Date de réception : 4 août 2017
Date d'analyses : 16 août 2017
Projet : Qiqavik
Certificat : 39045

Échantillon #	Au g/t AA	Au g/t >10.0 g/t Gravimétrie
Méthode utilisée:	*TMT-G5B*	*TMT-G5C*
66751	0.07	
66752	0.03	
66753	1.52	
66754	8.93	
66755	0.08	
66756	0.03	
66757	<0.01	
66758	0.01	
66759	0.03	
66760	<0.01	
66761	0.01	
66762	<0.01	
66763	<0.01	
66764	<0.01	
66765	<0.01	
66766	0.04	
66767	0.03	
66768	<0.01	
66769	<0.01	
66770	0.01	
66771	1.14	
66772	0.04	
66773	4.25	
67251	0.02	
67252	<0.01	
67253	<0.01	
67254	<0.01	
67255	<0.01	
67256	0.02	
67257	<0.01	
67258	6.97	
67259	0.26	
67260	0.97	
67261	<0.01	

184, Principale - C.P. 208, Ste-Germaine-Boulé (Québec) J0Z 1M0 **Téléphone : 819 787-6116 • Télécopieur : 819 787-6527** Courriel : infoquebec@actlabs.com

TECHNI-LAB
pyroanalyse
géochimie
environnement

CERTIFICAT D'ANALYSE

À l'attention de Madame Michelle Sciortino

Client True North Nickel
375, bay street, suite 800
Toronto (On) M5H 2T7

Tél.: 416-363-0649 #233

Date d'émission: 23 août 2017
Date de réception : 4 août 2017
Date d'analyses : 16 août 2017
Projet : Qiqavik
Certificat : 39045

Échantillon #	Au g/t AA	Au g/t >10.0 g/t Gravimétrie
Méthode utilisée:	*TMT-G5B*	*TMT-G5C*
67262	<0.01	
67263	<0.01	
67264	0.07	
66251	0.02	
66252	<0.01	
66253	<0.01	
66254	0.02	
66255	<0.01	
66256	<0.01	
66257	0.01	
66258	0.04	
66259	<0.01	
66260	<0.01	
66261	0.39	
66264	<0.01	
66265	<0.01	
66266	0.03	
66267	<0.01	
66501	0.11	
66502	<0.01	
66503	<0.01	
66504	<0.01	
66505	<0.01	
66506	<0.01	
66507	<0.01	
66508	<0.01	
66509	0.01	
66268	<0.01	
66269	<0.01	
66270	<0.01	
66271	<0.01	
66272	<0.01	
66273	0.01	
66274	<0.01	

184, Principale - C.P. 208, Ste-Germaine-Boulé (Québec) J0Z 1M0 **Téléphone : 819 787-6116 • Télécopieur : 819 787-6527** Courriel : infoquebec@actlabs.com

CERTIFICAT D'ANALYSE

TECHNI-LAB
pyroanalyse
géochimie
environnement

À l'attention de Madame Michelle Sciortino

Client True North Nickel
375, bay street, suite 800
Toronto (On) M5H 2T7

Tél.: 416-363-0649 #233

Date d'émission: 23 août 2017
Date de réception : 4 août 2017
Date d'analyses : 16 août 2017
Projet : Qiqavik
Certificat : 39045

Échantillon #	Au g/t AA	Au g/t >10.0 g/t Gravimétrie
Méthode utilisée:	*TMT-G5B*	*TMT-G5C*
66275	<0.01	
66276	<0.01	
66277	0.70	
66278	0.84	
66280	0.04	
66510	<0.01	
66511	29.28	29.52
66512	0.06	
66513	0.02	
66514	<0.01	
66515	0.03	
66516	<0.01	
66774	0.12	
66775	0.07	
66776	<0.01	
66777	0.55	
66778	<0.01	
66779	<0.01	
66781	7.17	
66782	19.52	22.70
66783	0.03	
66784	0.02	
66785	<0.01	
66786	<0.01	
66787	0.17	
66788	<0.01	
66789	<0.01	
66790	0.04	
66791	<0.01	
66792	0.28	
66793	0.04	
66794	<0.01	
66795	0.02	
66796	0.03	

184, Principale - C.P. 208, Ste-Germaine-Boulé (Québec) J0Z 1M0 **Téléphone : 819 787-6116 • Télécopieur : 819 787-6527** Courriel : infoquebec@actlabs.com

CERTIFICAT D'ANALYSE

TECHNI-LAB
pyroanalyse
géochimie
environnement

À l'attention de Madame Michelle Sciortino

Client True North Nickel
375, bay street, suite 800
Toronto (On) M5H 2T7

Tél.: 416-363-0649 #233

Date d'émission: 23 août 2017
Date de réception : 4 août 2017
Date d'analyses : 16 août 2017
Projet : Qiqavik
Certificat : 39045

Échantillon #	Au g/t AA	Au g/t >10.0 g/t Gravimétrie
Méthode utilisée:	*TMT-G5B*	*TMT-G5C*
66797	0.06	
66798	<0.01	
66799	<0.01	
66800	<0.01	
66801	<0.01	
66802	<0.01	
66803	0.02	
66804	0.01	
66805	0.01	
66806	0.01	
66807	0.02	
66808	0.04	
66809	<0.01	
66810	0.02	
66811	0.03	
66812	0.01	
66813	0.03	
66814	0.04	
66815	0.20	
66816	0.01	
66817	<0.01	
66819	<0.01	
66820	0.26	
66821	0.01	
66822	0.01	
66823	0.38	
66824	0.36	
66825	0.14	
67265	0.04	
67266	<0.01	
67267	0.01	
67268	0.01	
67269	<0.01	
67270	0.17	

184, Principale - C.P. 208, Ste-Germaine-Boulé (Québec) J0Z 1M0 **Téléphone : 819 787-6116 • Télécopieur : 819 787-6527** Courriel : infoquebec@actlabs.com

TECHNI-LAB
pyroanalyse
géochimie
environnement

CERTIFICAT D'ANALYSE

À l'attention de Madame Michelle Sciortino

Client True North Nickel
375, bay street, suite 800
Toronto (On) M5H 2T7

Tél.: 416-363-0649 #233

Date d'émission: 23 août 2017
Date de réception : 4 août 2017
Date d'analyses : 16 août 2017
Projet : Qiqavik
Certificat : 39045

Échantillon #	Au g/t AA	Au g/t >10.0 g/t Gravimétrie
Méthode utilisée:	*TMT-G5B*	*TMT-G5C*
66282	<0.01	
66283	<0.01	
66284	0.02	
66285	0.02	
66286	<0.01	
66287	<0.01	
66288	<0.01	
66289	<0.01	
66290	<0.01	
67001	<0.01	
67002	<0.01	
67003	<0.01	
67004	<0.01	
67005	<0.01	
67006	<0.01	
67007	<0.01	
67008	<0.01	
67009	0.19	
67010	0.01	
67011	0.02	
67012	0.02	
67013	0.05	
67014	0.07	
67015	0.04	
67016	<0.01	
67017	0.11	
67018	0.05	
67019	<0.01	
67020	0.39	
66517	0.01	
66518	0.02	
66519	<0.01	
66520	<0.01	
66521	0.04	

184, Principale - C.P. 208, Ste-Germaine-Boulé (Québec) J0Z 1M0 **Téléphone : 819 787-6116 • Télécopieur : 819 787-6527** Courriel : infoquebec@actlabs.com

CERTIFICAT D'ANALYSE

TECHNI-LAB
pyroanalyse
géochimie
environnement

À l'attention de Madame Michelle Sciortino

Client True North Nickel
375, bay street, suite 800
Toronto (On) M5H 2T7

Tél.: 416-363-0649 #233

Date d'émission: 23 août 2017
Date de réception : 4 août 2017
Date d'analyses : 16 août 2017
Projet : Qiqavik
Certificat : 39045

Échantillon #	Au g/t AA	Au g/t >10.0 g/t Gravimétrie
Méthode utilisée:	*TMT-G5B*	*TMT-G5C*
66522	<0.01	
66523	0.02	
66525	0.41	
66526	6.09	
67271	0.01	
67272	0.01	
67273	<0.01	
67274	<0.01	
66291	0.03	
66292	0.02	
66293	<0.01	
66294	0.16	
66295	0.94	
67021	<0.01	
67022	<0.01	
67023	<0.01	
67024	<0.01	
67025	<0.01	
67026	<0.01	
67027	0.06	
66274-Dup	<0.01	
66294-Dup	0.16	
66501-Dup	0.11	
66511-Dup		29.33
66519-Dup	<0.01	
66758-Dup	0.02	
66782-Dup		22.61
66786-Dup	<0.01	
66806-Dup	0.01	
66821-Dup	<0.01	
67002-Dup	<0.01	
67256-Dup	0.02	
OXD 144	0.44	

184, Principale - C.P. 208, Ste-Germaine-Boulé (Québec) J0Z 1M0 **Téléphone : 819 787-6116 • Télécopieur : 819 787-6527** Courriel : infoquebec@actlabs.com

TECHNI-LAB
pyroanalyse
géochimie
environnement

CERTIFICAT D'ANALYSE

À l'attention de Madame Michelle Sciortino

Client True North Nickel
375, bay street, suite 800
Toronto (On) M5H 2T7

Tél.: 416-363-0649 #233

Date d'émission: 23 août 2017
Date de réception : 4 août 2017
Date d'analyses : 16 août 2017
Projet : Qiqavik
Certificat : 39045

Échantillon #	Au g/t AA	Au g/t >10.0 g/t Gravimétrie
Méthode utilisée:	*TMT-G5B*	*TMT-G5C*
OXK 119	3.78	
OXN 117	8.18	
OXN 117	7.86	
OXN 117	7.52	
OXN 117	7.23	
OXN 117	7.34	
OXN 117	7.64	
OXN 117	7.52	
OXN 117	7.56	
OXN 117	7.81	
OXN 117	7.73	
OXN 117	7.78	
OXN 117	7.40	
SF 85	0.90	
SF 85	0.89	
SF 85	0.86	
SF 85	0.85	
SF 85	0.87	
SF 85	0.88	
SF 85	0.84	
SF 85	0.86	
SF 85	0.83	
SF 85	0.89	
SF 85	0.85	
SF 85	0.83	
OXK 119		3.47
OXP 116		15.32
OXQ 90		24.51

184, Principale - C.P. 208, Ste-Germaine-Boulé (Québec) J0Z 1M0 **Téléphone : 819 787-6116 • Télécopieur : 819 787-6527** Courriel : infoquebec@actlabs.com

CERTIFICAT D'ANALYSE - ANNEXE 1

TECHNI-LAB
pyroanalyse
géochimie
environnement

À l'attention de Madame Michelle Sciortino

Client: True North Nickel
375, bay street, suite 800
Toronto (On) M5H 2T7

Date d'émission: 23 août 2017
Date de réception: 4 août 2017
Date d'analyse: 16 août 2017
Projet: Qiqavik
Certificat: 39045

MÉTHODE ACCRÉDITÉE

TMT-G5B	Or analysé par spectrométrie d'absorption atomique précédé d'une pyroanalyse
TMT-G5C	Or finition par gravimétrie précédé d'une pyroanalyse
TMT-G5F	Analyse multiélément par ICP-OES avec digestion d'Aqua Regia
TMT-G5I	Or, Palladium et Platine analysés par ICP-OES précédés d'une pyroanalyse

MÉTHODE NON ACCRÉDITÉE

TMT-G5G	Argent par Gravimétrie
TMT-G2	Densité
TMT-G5Z	Titration du Zinc pour concentré

MÉTHODE ACCRÉDITÉE PAR LE CCN

Méthode	*Paramètre*	*Limite de détection*	*Méthode*	*Paramètre*	*Limite de détection*
TMT-G5B	Au ppb (5 ml)	8	TMT-G5F	Ag ppm	0.3
TMT-G5B	Au g/t (10 ml)	0.01	TMT-G5F	Co ppm	2
TMT-G5C	Au gravimétrie g/t	0.08	TMT-G5F	Cu ppm	1
TMT-G5I	Au ppb	2	TMT-G5F	Ni ppm	2
TMT-G5I	Pd ppb	4	TMT-G5F	Pb ppm	3
TMT-G5I	Pt ppb	4	TMT-G5F	Zn ppm	1

SCC Accredited LAB
LAB Accrédité CCN
LAB 707

Ce rapport est pour l'usage exclusif du client et ne peut être reproduit, sinon en entier, sans l'autorisation écrite de Techni-Lab S.G.B. Abitibi inc.

184, Principale - C.P. 208, Ste-Germaine-Boulé (Québec) J0Z 1M0 **Téléphone : 819 787-6116 • Télécopieur : 819 787-6527** Courriel : infoquebec@actlabs.com

Pyroanalyse
Géochimie
Environnement

TECHNI-LAB

Client : Madame Michelle Sciortino
True North Nickel
375, bay street, suite 800
Toronto (On) M5H 2T7

Date d'émission: 6 sept. 2017
Date de réception: 18 août 2017
Date d'analyses: 28 août 2017
Projet: Qiqavik
Certificat: 39137

CERTIFICAT D'ANALYSE

8 échantillons de roches ont été reçus pour analyses.

Notes :

Ce certificat remplace et annule tous certificats antérieurs, le cas échéant.

® Ce document est pour l'usage exclusif du client et ne peut être reproduit, sinon en entier, sans l'autorisation écrite de Techni-Lab S. G. B. Abitibi inc. Si vous avez reçu ce certificat par erreur, soyez avisé que tout usage, reproduction ou distribution de celui-ci est strictement interdit. Les échantillons seront conservés pendant 30 jours à partir de la date du certificat à moins d'avis écrit du client.

® Les résultats d'essai ne se rapportent qu'aux objets soumis à l'essai tels qu'ils ont été reçus par le laboratoire.

SCC Accredited LAB
LAB Accrédité CCN
LAB 707

Les résultats des échantillons sont vérifiés et approuvés par :

Mathieu RANCOURT, chimiste 2007-109

CHIMISTE
Mathieu Rancourt
2007-109
QUÉBEC

Pyroanalyse
Géochimie
Environnement

TECHNI-LAB

CERTIFICAT D'ANALYSE

À l'attention de Madame Michelle Sciortino

Client True North Nickel
375, bay street, suite 800
Toronto (On) M5H 2T7

Date d'émission: 6 sept. 2017
Date de réception : 18 août 2017
Date d'analyses : 28 août 2017
Projet : Qiqavik
Certificat : 39137

Échantillon #	Au g/t AA	Au g/t >10.0 g/t Gravimétrie
Méthode utilisée:	*TMT-G5B*	*TMT-G5C*
66930		M/S
66932		M/S
66933		M/S
66934		M/S
66936		M/S
66938		M/S
67066		9.59
67077		<0.08
OXK 119		3.70
OXK 119		3.63
OXK 119		3.73
OXP 116		15.25
OXP 116		15.00
OXP 116		14.84
OXQ 90		25.92
OXQ 90		25.07

184, Principale, Ste-Germaine-Boulé (Québec) J0Z 1M0 **Téléphone : 819 787-6116 • Télécopieur : 819 787-6527** Courriel : infoquebec@actlabs.com

TECHNI-LAB
S.G.B. Abitibi inc.
Pyroanalyse, Géochimie, Environnement

CERTIFICAT D'ANALYSE

Méthode spéciale

Or grossier "Métallics Sieve"

À l'attention de Madame Michelle Sciortino

Client True North Nickel
375, bay street, suite 800
Toronto (On) M5H 2T7

Date de réception 18 août 2017
Projet Qiqavik
Certificat 39137

Échantillon #	Poids total (g)	Poids utilisé (g)	Metallic + (140) (g)	Metallic - (140) (g)	Metallic + (140) g/t	Pulpe - (140) g/t	Metallics %	Pulpe %	Teneure globale g/t
66930	350.7	346.2	96.3	249.9	163.33	182.93	27.82	72.18	177.47
66932	351.6	347.7	105.3	242.4	55.62	35.45	30.28	69.72	41.56
66933	352.1	345.7	101.7	244.0	383.18	244.41	29.42	70.58	285.24
66934	350.7	345.2	107.5	237.7	61.03	62.40	31.14	68.86	61.97
66936	350.9	346.5	136.8	209.7	279.74	236.62	39.48	60.52	253.64
66938	350.8	345.5	111.6	233.9	82.39	74.75	32.30	67.70	77.22

184, Principale - C.P. 208 Ste-Germaine-Boulé (Québec) J0Z 1M0 **Téléphone : 819 787-6116 • Télécopieur : 819 787-6527** Courriel : infoquebec@actlabs.com

Pyroanalyse
Géochimie
Environnement

CERTIFICAT D'ANALYSE - ANNEXE 1 TECHNI-LAB

À l'attention de Madame Michelle Sciortino

Client: True North Nickel
375, bay street, suite 800
Toronto (On) M5H 2T7

Date d'émission: 6 sept. 2017
Date de réception: 18 août 2017
Date d'analyse: 28 août 2017
Projet: Qiqavik
Certificat: 39137

MÉTHODE ACCRÉDITÉE

TMT-G5B	Or analysé par spectrométrie d'absorption atomique précédé d'une pyroanalyse
TMT-G5C	Or finition par gravimétrie précédé d'une pyroanalyse
TMT-G5F	Analyse multiélément par ICP-OES avec digestion d'Aqua Regia
TMT-G5I	Or, Palladium et Platine analysés par ICP-OES précédés d'une pyroanalyse

MÉTHODE NON ACCRÉDITÉE

TMT-G5G	Argent par Gravimétrie
TMT-G2	Densité
TMT-G5Z	Titration du Zinc pour concentré

MÉTHODE ACCRÉDITÉE PAR LE CCN

Méthode	*Paramètre*	*Limite de détection*	*Méthode*	*Paramètre*	*Limite de détection*
TMT-G5B	Au ppb (5 ml)	8	TMT-G5F	Ag ppm	0.3
TMT-G5B	Au g/t (10 ml)	0.01	TMT-G5F	Co ppm	2
TMT-G5C	Au gravimétrie g/t	0.08	TMT-G5F	Cu ppm	1
TMT-G5I	Au ppb	2	TMT-G5F	Ni ppm	2
TMT-G5I	Pd ppb	4	TMT-G5F	Pb ppm	3
TMT-G5I	Pt ppb	4	TMT-G5F	Zn ppm	1

Ce rapport est pour l'usage exclusif du client et ne peut être reproduit, sinon en entier, sans l'autorisation écrite de Techni-Lab S.G.B. Abitibi inc.

SCC Accredited LAB
LAB Accrédité CCN
LAB 707

184, Principale, Ste-Germaine-Boulé (Québec) J0Z 1M0 **Téléphone : 819 787-6116 • Télécopieur : 819 787-6527** Courriel : infoquebec@actlabs.com

Pyroanalyse
Géochimie
Environnement

TECHNI-LAB

CERTIFICAT D'ANALYSE

À l'attention de Madame Michelle Sciortino

Client True North Nickel
375, bay street, suite 800
Toronto (On) M5H 2T7

Date d'émission: 6 oct. 2017
Date de réception : 18 août 2017
Date d'analyses : 12 sept. 2017
Projet : Qiqavik
Commande 17-QK-Grab-02
Certificat : 39138

Échantillon #	Au g/t AA	Au g/t >10.0 g/t Gravimétrie
Méthode utilisée:	*TMT-G5B*	*TMT-G5C*
66381	<0.01	
66382	<0.01	
66383	0.02	
66384	0.19	
66385	6.68	
66386	0.19	
66387	0.04	
66388	0.10	
66389	<0.01	
66390	<0.01	
66391	<0.01	
66392	0.02	
66393	0.02	
66394	<0.01	
66395	0.02	
66396	<0.01	
66603	20.20	20.44
66604	0.03	
66605	<0.01	
66606	0.26	
66607	*	71.96
66608	0.31	
66919	0.04	
66920	0.04	
66921	<0.01	
66922	<0.01	
66923	0.01	
66924	<0.01	
66925	<0.01	
66926	3.05	
66927	29.40	26.46
66928	7.71	
66609	0.19	
66610	<0.01	

184, Principale, Ste-Germaine-Boulé (Québec) J0Z 1M0 **Téléphone : 819 787-6116 • Télécopieur : 819 787-6527** Courriel : infoquebec@actlabs.com

Pyroanalyse
Géochimie
Environnement

TECHNI-LAB

CERTIFICAT D'ANALYSE

À l'attention de Madame Michelle Sciortino

Client True North Nickel
375, bay street, suite 800
Toronto (On) M5H 2T7

Date d'émission: 6 oct. 2017
Date de réception : 18 août 2017
Date d'analyses : 12 sept. 2017
Projet : Qiqavik
Commande 17-QK-Grab-02
Certificat : 39138

Échantillon #	Au g/t AA	Au g/t >10.0 g/t Gravimétrie
Méthode utilisée:	*TMT-G5B*	*TMT-G5C*
67310	<0.01	
67311	0.01	
67312	<0.01	
67313	<0.01	
67314	<0.01	
67315	0.02	
67316	*	122.52
67317	0.27	
67318	0.02	
66581	4.37	
66582	3.50	
66583	0.59	
66584	<0.01	
66585	0.60	
66586	<0.01	
66587	<0.01	
66588	<0.01	
66589	0.26	
66590	0.22	
66591	0.56	
66592	1.46	
66593	28.63	30.75
66594	0.97	
66595	2.02	
66596	4.15	
66597	0.07	
66598	14.98	17.86
66599	0.18	
66600	1.12	
66601	0.01	
66602	0.25	
66372	0.03	
66373	0.01	
66374	<0.01	
66375	<0.01	
66376	<0.01	

184, Principale, Ste-Germaine-Boulé (Québec) J0Z 1M0 **Téléphone : 819 787-6116 • Télécopieur : 819 787-6527** Courriel : infoquebec@actlabs.com

Pyroanalyse
Géochimie
Environnement

TECHNI-LAB

CERTIFICAT D'ANALYSE

À l'attention de Madame Michelle Sciortino

Client True North Nickel
375, bay street, suite 800
Toronto (On) M5H 2T7

Date d'émission: 6 oct. 2017
Date de réception : 18 août 2017
Date d'analyses : 12 sept. 2017
Projet : Qiqavik
Commande 17-QK-Grab-02
Certificat : 39138

Échantillon #	Au g/t AA	Au g/t >10.0 g/t Gravimétrie
Méthode utilisée:	*TMT-G5B*	*TMT-G5C*
66353	<0.01	
66354	<0.01	
66355	<0.01	
66902	0.09	
66903	0.02	
66904	<0.01	
66905	<0.01	
66906	<0.01	
66907	<0.01	
66908	<0.01	
66909	1.51	
66910	<0.01	
66911	0.03	
66912	0.02	
66913	0.01	
66914	0.03	
66915	<0.01	
66916	0.01	
66917	<0.01	
66918	<0.01	
66356	<0.01	
66357	0.01	
66358	<0.01	
66361	<0.01	
66362	<0.01	
66363	<0.01	
66364	0.50	
66365	0.01	
66366	0.01	
66367	<0.01	
66368	<0.01	
66369	0.02	
66370	<0.01	
67309	<0.01	

184, Principale, Ste-Germaine-Boulé (Québec) J0Z 1M0 **Téléphone : 819 787-6116 • Télécopieur : 819 787-6527** Courriel : infoquebec@actlabs.com

Pyroanalyse
Géochimie
Environnement

TECHNI-LAB

CERTIFICAT D'ANALYSE

À l'attention de Madame Michelle Sciortino

Client True North Nickel
375, bay street, suite 800
Toronto (On) M5H 2T7

Date d'émission: 6 oct. 2017
Date de réception : 18 août 2017
Date d'analyses : 12 sept. 2017
Projet : Qiqavik
Commande 17-QK-Grab-02
Certificat : 39138

Échantillon #	Au g/t AA	Au g/t >10.0 g/t Gravimétrie
Méthode utilisée:	*TMT-G5B*	*TMT-G5C*
66566	3.33	
66567	0.50	
66568	0.46	
66569	2.10	
66570	2.08	
66571	9.88	
66572	2.63	
66573	0.23	
66574	1.44	
66575	0.40	
66576	4.76	
66577	0.71	
66578	0.92	
66579	0.62	
66580	<0.01	
67199	1.04	
66893	25.05	24.93
66894	16.03	16.14
66895	25.41	23.49
66896	20.05	19.31
66897	N/D	M/S
66898	*	457.36
66899	*	112.13
66900	*	114.66
66901	12.19	15.47
66341	0.04	
66342	0.02	
66343	0.02	
66345	0.18	
66346	<0.01	
66347	0.01	
66348	<0.01	
66349	0.02	
66350	2.56	
66351	<0.01	
66352	<0.01	

184, Principale, Ste-Germaine-Boulé (Québec) J0Z 1M0 **Téléphone : 819 787-6116 • Télécopieur : 819 787-6527** Courriel : infoquebec@actlabs.com

Pyroanalyse
Géochimie
Environnement
TECHNI-LAB

CERTIFICAT D'ANALYSE

À l'attention de Madame Michelle Sciortino

Client True North Nickel
375, bay street, suite 800
Toronto (On) M5H 2T7

Date d'émission: 6 oct. 2017
Date de réception : 18 août 2017
Date d'analyses : 12 sept. 2017
Projet : Qiqavik
Commande 17-QK-Grab-02
Certificat : 39138

Échantillon #	Au g/t AA	Au g/t >10.0 g/t Gravimétrie
Méthode utilisée:	*TMT-G5B*	*TMT-G5C*
67289	0.66	
67290	0.06	
66540	1.07	
66541	0.05	
66542	0.01	
66543	<0.01	
66544	<0.01	
66545	<0.01	
66546	<0.01	
66547	0.03	
66548	<0.01	
66549	<0.01	
66550	0.03	
66551	0.02	
66552	0.24	
66553	<0.01	
66313	<0.01	
66314	<0.01	
66315	<0.01	
66317	0.01	
66318	<0.01	
66319	<0.01	
66320	<0.01	
66321	<0.01	
66322	<0.01	
66323	0.03	
66324	<0.01	
66325	<0.01	
66326	<0.01	
66327	<0.01	
66328	<0.01	
66329	<0.01	
66330	<0.01	
66331	0.36	
66332	<0.01	
66333	<0.01	

184, Principale, Ste-Germaine-Boulé (Québec) J0Z 1M0 **Téléphone : 819 787-6116 • Télécopieur : 819 787-6527** Courriel : infoquebec@actlabs.com

Quality Analysis ... *Innovative Technologies*

Date Submitted: 21-Aug-17
Invoice No.: A17-08915
Invoice Date: 24-Oct-17
Your Reference: SG17-1194 39045 TRUE NORTH NICKEL

Techni-Lab Abitibi Inc.(Actlabs)
184 Rue Principale
Ste-Germaine-Boule Quebec J0Z 1M0
Canada

ATTN: Andre Caouette

CERTIFICATE OF ANALYSIS

190 Pulp samples were submitted for analysis.

The following analytical package(s) were requested: Code UT-4M Total Digestion ICP/MS

REPORT **A17-08915**

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:

Any values for Au are for informational purposes and should be checked by fire assay code 1A2

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
41 Bittern Street, Ancaster, Ontario, Canada, L9G 4V5
TELEPHONE +905 648-9611 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Ancaster@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Te	Cu	Pb	Zn	Al	Ag	As	Au	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Cs	Fe	Hf	K	La	Li
Unit Symbol	ppm	%	%	%	%	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm
Lower Limit	0.1	0.005	0.01	0.01	0.01	0.1	1	100	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.1	0.01	0.1	0.01	0.1	0.1
Method Code	TD-MS	FUS-Na2O2	FUS-Na2O2	FUS-Na2O2	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
66251	< 0.1				2.60	< 0.1	12	< 100	355	< 1	< 0.1	12.3	< 0.1	14	47.9	943	93.3	0.5	5.37	1.2	0.92	6.1	4.8
66252	< 0.1				2.12	< 0.1	< 1	< 100	8	< 1	< 0.1	2.64	< 0.1	3	96.0	3570	10.2	0.5	7.99	0.4	0.06	1.3	2.8
66253	< 0.1				7.00	< 0.1	1	< 100	281	1	< 0.1	2.06	< 0.1	31	4.9	121	6.6	0.3	2.82	3.0	1.46	14.6	5.9
66254	< 0.1				3.67	< 0.1	15	< 100	183	< 1	< 0.1	10.00	< 0.1	21	37.0	478	180	< 0.1	6.81	1.4	0.27	9.3	7.4
66255	< 0.1				7.24	< 0.1	1	< 100	278	< 1	< 0.1	6.59	< 0.1	29	37.3	428	63.8	0.4	7.26	1.3	1.12	12.7	15.5
66256	< 0.1				2.56	< 0.1	482	< 100	210	< 1	< 0.1	10.2	< 0.1	12	42.7	1070	68.1	0.7	5.76	1.2	1.15	4.8	1.9
66257	< 0.1				7.09	< 0.1	3	< 100	492	1	< 0.1	2.48	< 0.1	28	5.0	133	1.5	0.7	3.07	2.9	1.45	13.4	9.3
66258	0.5				0.31	2.5	2090	> 2000	19	< 1	0.1	0.11	25.8	3	13.2	292	129	< 0.1	2.45	0.1	0.17	1.6	0.7
66259	0.2				1.17	0.4	648	100	18	< 1	< 0.1	0.14	0.1	12	10.6	324	174	0.1	9.87	0.6	0.25	7.0	3.4
66260	0.3				1.33	0.5	1360	600	30	< 1	< 0.1	0.14	0.6	13	15.8	289	142	0.2	11.4	0.7	0.42	7.3	3.3
66261	< 0.1				5.68	< 0.1	< 1	< 100	47	< 1	< 0.1	5.06	2.3	21	44.1	110	44.7	0.1	11.7	2.4	0.07	9.8	8.0
66264	< 0.1				0.09	< 0.1	25	< 100	11	< 1	< 0.1	0.02	< 0.1	3	0.8	244	7.9	< 0.1	2.89	< 0.1	0.04	2.2	0.3
66265	< 0.1				7.11	0.1	< 1	< 100	35	< 1	0.1	7.99	0.2	26	26.3	74	135	< 0.1	9.42	0.2	0.20	9.9	5.9
66266	0.1				5.87	2.0	< 1	< 100	7	< 1	0.4	7.96	0.3	30	190	85	1120	< 0.1	18.8	0.8	0.11	15.3	3.4
66267	< 0.1				8.71	< 0.1	1	< 100	328	< 1	< 0.1	3.75	< 0.1	16	29.7	49	112	0.6	7.39	0.7	1.17	6.6	17.7
66268	< 0.1				6.83	< 0.1	< 1	< 100	93	< 1	0.1	7.36	0.1	13	43.7	250	12.3	0.2	7.89	0.3	0.44	5.9	9.3
66269	< 0.1				3.78	< 0.1	479	< 100	135	< 1	< 0.1	7.21	< 0.1	6	57.6	1170	52.7	0.7	6.71	0.9	0.96	2.3	34.8
66270	< 0.1				6.13	< 0.1	< 1	< 100	349	1	< 0.1	1.73	< 0.1	16	5.6	160	8.2	0.7	1.52	1.3	1.26	8.3	8.1
66271	< 0.1				7.11	< 0.1	< 1	< 100	139	< 1	0.3	3.19	< 0.1	4	20.5	76	362	0.3	18.5	2.1	1.03	1.5	20.5
66272	< 0.1				2.25	< 0.1	< 1	< 100	4790	2	< 0.1	1.00	< 0.1	6	5.7	215	< 0.1	1.2	4.30	1.2	1.21	4.5	20.3
66273	< 0.1				7.44	0.2	37	< 100	275	< 1	0.3	6.25	0.1	25	36.7	57	312	1.0	9.37	0.9	1.87	11.1	23.0
66274	< 0.1				0.10	< 0.1	< 1	< 100	9	< 1	< 0.1	0.17	< 0.1	< 1	1.0	274	4.5	< 0.1	0.36	< 0.1	0.01	0.7	0.6
66275	< 0.1				0.17	< 0.1	< 1	< 100	4	< 1	< 0.1	27.5	< 0.1	31	0.9	71	5.1	< 0.1	0.32	< 0.1	0.01	9.9	1.4
66276	< 0.1				5.00	0.1	< 1	< 100	51	< 1	< 0.1	6.03	< 0.1	25	33.9	125	127	< 0.1	9.75	0.6	0.38	11.3	6.4
66277	0.1	1.21			7.66	5.4	< 1	700	71	< 1	2.0	4.14	1.2	34	44.6	95	> 10000	0.4	11.0	2.3	1.35	22.6	11.6
66278	0.2				8.18	0.8	1180	1100	203	< 1	5.6	3.32	0.2	12	123	89	1120	0.4	13.1	2.6	1.04	6.1	20.6
66280	< 0.1				8.00	0.3	2	< 100	67	< 1	0.7	2.24	< 0.1	30	97.8	120	1170	0.5	11.1	2.5	2.07	13.8	17.9
66282	< 0.1				8.22	< 0.1	6	< 100	92	< 1	0.3	7.58	< 0.1	14	30.7	154	51.3	0.2	6.33	0.3	0.43	6.5	10.9
66283	< 0.1				1.34	< 0.1	< 1	< 100	4	< 1	0.2	1.96	< 0.1	1	2.3	282	9.1	< 0.1	0.92	0.1	0.01	0.7	0.4
66284	< 0.1				5.87	< 0.1	32	< 100	67	< 1	< 0.1	5.83	0.1	10	75.1	1810	34.0	0.3	9.41	1.8	0.64	3.6	50.7
66285	< 0.1				0.28	< 0.1	4	< 100	12	< 1	< 0.1	0.30	< 0.1	1	1.1	360	4.4	< 0.1	0.60	< 0.1	0.11	0.6	0.4
66286	< 0.1				6.21	< 0.1	11	< 100	140	< 1	< 0.1	5.02	< 0.1	25	42.6	614	32.2	0.2	6.04	1.5	0.49	10.6	12.9
66287	< 0.1				4.44	< 0.1	210	< 100	83	< 1	< 0.1	11.8	0.2	5	92.9	1580	2.5	0.8	7.93	0.8	0.41	2.0	46.5
66288	< 0.1				1.37	< 0.1	14	< 100	166	< 1	< 0.1	19.1	0.3	7	13.8	310	2.3	0.5	5.22	0.4	0.79	2.6	5.1
66289	< 0.1				3.54	< 0.1	193	< 100	58	< 1	< 0.1	5.73	< 0.1	6	63.7	920	14.0	0.6	7.10	0.7	0.60	2.8	16.0
66290	< 0.1				5.38	< 0.1	< 1	< 100	313	< 1	< 0.1	1.53	< 0.1	15	5.1	146	7.2	0.6	1.34	1.2	1.12	7.4	7.2
66291	< 0.1				6.34	0.3	< 1	< 100	96	< 1	0.3	0.99	0.2	3	70.0	182	1460	0.3	11.9	1.5	0.41	1.2	12.6
66292	< 0.1				1.53	2.8	135	< 100	84	< 1	< 0.1	4.12	0.4	4	11.6	514	1400	0.7	2.67	0.2	0.72	2.1	1.3
66293	< 0.1				4.04	< 0.1	< 1	< 100	86	< 1	< 0.1	2.74	< 0.1	13	12.7	171	24.3	0.3	3.71	0.2	0.50	6.1	4.9
66294	0.4	3.56			3.95	12.9	24	300	57	< 1	2.1	5.59	< 0.1	9	200	51	> 10000	0.1	17.0	2.2	0.40	4.0	5.2
66295	1.5				1.77	3.7	2	1700	10	< 1	0.7	7.90	0.5	9	189	39	5030	1.4	22.6	0.7	0.06	5.8	1.0

Analyte Symbol	Te	Cu	Pb	Zn	Al	Ag	As	Au	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Cs	Fe	Hf	K	La	Li
Unit Symbol	ppm	%	%	%	%	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm
Lower Limit	0.1	0.005	0.01	0.01	0.01	0.1	1	100	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.1	0.01	0.1	0.01	0.1	0.1
Method Code	TD-MS	FUS-Na2O2	FUS-Na2O2	FUS-Na2O2	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
66501	< 0.1				0.29	0.1	176	100	17	< 1	0.5	0.11	< 0.1	< 1	2.4	323	8.7	0.1	1.46	< 0.1	0.07	0.4	4.9
66502	< 0.1				3.58	< 0.1	< 1	< 100	67	< 1	< 0.1	8.45	< 0.1	4	62.4	835	60.2	0.3	5.83	0.9	0.63	1.6	12.6
66503	< 0.1				6.33	< 0.1	2	< 100	187	1	0.2	3.88	< 0.1	32	11.7	136	64.4	0.3	3.20	2.7	0.44	16.6	8.6
66504	< 0.1				8.89	< 0.1	1	< 100	441	< 1	0.1	5.16	< 0.1	41	25.7	39	31.8	0.8	7.22	1.7	1.27	17.4	20.3
66505	< 0.1				8.30	0.3	31	< 100	186	< 1	< 0.1	3.26	0.3	26	25.0	77	573	0.6	7.04	2.0	0.53	12.9	30.7
66506	< 0.1				7.28	< 0.1	2	< 100	364	2	< 0.1	3.45	< 0.1	38	6.4	105	2.9	0.8	3.78	2.8	1.57	18.9	16.8
66507	< 0.1				4.79	0.1	9	< 100	335	4	< 0.1	6.76	0.1	153	34.3	390	34.2	1.7	5.71	14.3	0.84	83.5	38.4
66508	< 0.1				7.46	< 0.1	100	< 100	371	< 1	< 0.1	4.75	< 0.1	10	36.9	88	17.1	3.1	7.36	1.2	1.76	4.6	10.1
66509	0.7				6.44	< 0.1	680	< 100	250	< 1	0.2	7.03	< 0.1	9	83.4	2200	12.4	0.9	6.02	0.7	1.79	4.2	13.4
66510	< 0.1				8.25	< 0.1	2	< 100	317	1	< 0.1	3.27	< 0.1	15	12.2	138	12.0	0.2	0.97	1.9	0.62	6.6	3.5
66511	< 0.1				0.07	14.7	76	> 2000	5	< 1	0.7	0.02	10.5	2	1.8	366	227	< 0.1	0.99	< 0.1	0.03	1.2	0.4
66512	< 0.1				0.68	1.4	26	< 100	29	< 1	< 0.1	9.75	0.1	1	4.4	176	2330	< 0.1	0.97	< 0.1	0.16	0.7	3.9
66513	< 0.1				6.63	0.2	45	< 100	291	< 1	0.1	5.31	< 0.1	25	48.4	108	206	2.8	7.66	0.7	2.61	10.2	8.4
66514	< 0.1				0.24	0.3	< 1	< 100	3	< 1	< 0.1	0.37	< 0.1	< 1	26.3	306	496	< 0.1	2.10	< 0.1	0.02	0.3	0.6
66515	< 0.1				4.92	< 0.1	107	< 100	282	< 1	0.1	9.13	< 0.1	2	61.4	1100	5.3	1.0	4.95	0.4	1.09	0.9	28.8
66516	< 0.1				3.74	0.1	< 1	< 100	103	< 1	0.3	1.93	< 0.1	22	34.1	223	142	0.3	3.66	1.3	0.58	11.3	8.4
66517	0.8				7.01	< 0.1	5	< 100	160	< 1	< 0.1	3.26	< 0.1	12	18.6	305	15.5	< 0.1	5.51	3.3	0.10	5.3	15.3
66518	< 0.1				8.48	< 0.1	1	< 100	570	2	< 0.1	3.00	< 0.1	41	6.8	120	6.4	0.5	3.56	2.7	1.73	21.6	17.0
66519	< 0.1				7.76	< 0.1	< 1	< 100	490	2	< 0.1	3.15	< 0.1	46	6.6	130	0.7	1.4	3.44	2.5	1.62	24.6	21.6
66520	< 0.1				6.69	< 0.1	< 1	< 100	364	1	< 0.1	1.87	< 0.1	18	6.2	147	8.5	0.8	1.60	1.2	1.30	9.2	8.9
66521	< 0.1				3.20	< 0.1	77	< 100	215	< 1	0.3	0.28	0.1	19	4.7	205	13.1	0.4	1.85	0.8	1.09	10.6	5.5
66522	< 0.1				9.57	< 0.1	7	< 100	52	< 1	0.1	6.02	0.2	39	32.6	119	78.4	0.2	8.86	1.3	0.24	15.9	14.8
66523	< 0.1				8.40	< 0.1	< 1	< 100	143	< 1	0.3	1.37	< 0.1	11	36.4	133	285	0.3	15.6	1.7	0.45	5.1	24.0
66525	0.5				0.39	0.4	2040	300	18	< 1	0.2	1.47	< 0.1	2	7.9	281	8.9	0.1	2.26	< 0.1	0.18	1.1	0.4
66526	6.5	3.01			4.67	15.6	447	> 2000	34	< 1	2.4	1.37	0.7	22	453	110	> 10000	0.3	19.6	1.6	0.37	13.3	12.8
66751	< 0.1				5.77	< 0.1	7	< 100	527	1	0.4	0.18	< 0.1	28	3.1	118	47.8	0.4	2.32	4.4	2.32	14.1	12.1
66752	0.7				0.56	3.1	4	< 100	57	< 1	11.4	0.02	0.1	2	1.1	230	10.6	< 0.1	0.54	0.1	0.21	1.3	1.6
66753	0.6				0.17	3.7	22	500	17	< 1	16.0	0.02	0.7	< 1	0.8	273	6.2	< 0.1	0.37	< 0.1	0.06	0.5	0.5
66754	3.8				0.14	3.9	16	> 2000	14	< 1	83.6	0.01	0.5	< 1	0.8	312	8.3	< 0.1	0.43	< 0.1	0.04	0.3	0.4
66755	0.3				1.47	0.7	1	< 100	103	< 1	10.7	0.05	< 0.1	13	1.3	225	5.7	0.1	0.64	0.2	0.32	6.3	2.7
66756	< 0.1				3.19	< 0.1	1	< 100	349	< 1	0.5	0.20	< 0.1	24	3.1	252	20.9	0.3	0.97	< 0.1	1.15	13.0	9.2
66757	< 0.1				0.04	< 0.1	< 1	< 100	4	< 1	< 0.1	0.02	< 0.1	< 1	0.6	285	4.3	< 0.1	0.31	< 0.1	0.02	< 0.1	0.2
66758	< 0.1				2.87	< 0.1	< 1	< 100	254	< 1	0.1	0.13	< 0.1	10	1.4	204	12.1	0.2	0.59	0.5	0.66	4.7	5.4
66759	< 0.1				6.62	0.3	17	< 100	325	2	1.3	0.34	< 0.1	23	0.9	138	35.0	0.2	0.94	3.5	2.81	10.9	1.4
66760	< 0.1				5.29	< 0.1	< 1	< 100	332	2	0.1	0.33	< 0.1	15	2.0	72	16.3	0.2	0.59	2.9	1.36	7.9	4.5
66761	< 0.1				6.07	< 0.1	8	< 100	555	2	0.5	0.37	< 0.1	20	1.4	108	37.9	0.2	0.85	3.4	2.71	8.8	1.1
66762	< 0.1				4.56	< 0.1	< 1	< 100	928	< 1	< 0.1	0.01	< 0.1	11	0.6	171	0.8	0.4	0.24	0.2	3.72	6.8	2.2
66763	< 0.1				5.64	< 0.1	6	< 100	712	3	0.6	0.11	< 0.1	18	0.8	80	26.7	0.3	0.74	3.5	2.43	7.7	1.3
66764	< 0.1				5.67	< 0.1	< 1	< 100	779	2	0.3	0.16	< 0.1	19	0.8	102	21.3	0.2	0.86	3.5	2.35	9.0	1.3
66765	< 0.1				5.77	< 0.1	< 1	< 100	737	2	< 0.1	0.31	0.4	17	0.6	95	5.7	0.8	0.47	3.0	2.69	8.0	2.0
66766	< 0.1				8.10	< 0.1	4	< 100	523	1	0.3	0.99	0.3	38	13.4	103	7.6	0.6	4.45	1.9	1.92	17.3	23.6
66767	< 0.1				5.95	< 0.1	4	< 100	26	< 1	< 0.1	9.28	0.1	5	71.6	1080	101	0.2	6.32	1.1	0.15	1.9	13.8

Analyte Symbol	Te	Cu	Pb	Zn	Al	Ag	As	Au	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Cs	Fe	Hf	K	La	Li
Unit Symbol	ppm	%	%	%	%	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm
Lower Limit	0.1	0.005	0.01	0.01	0.01	0.1	1	100	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.1	0.01	0.1	0.01	0.1	0.1
Method Code	TD-MS	FUS-Na2O2	FUS-Na2O2	FUS-Na2O2	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
66768	< 0.1				4.63	< 0.1	< 1	< 100	11	< 1	< 0.1	11.6	< 0.1	7	51.7	846	69.6	0.3	7.94	1.1	0.03	2.9	10.1
66769	0.2				0.28	2.1	10	< 100	21	< 1	6.2	0.05	< 0.1	3	0.9	235	23.2	< 0.1	0.49	0.1	0.13	1.5	0.7
66770	< 0.1				0.89	0.7	39	< 100	74	< 1	2.2	0.06	< 0.1	5	2.7	242	54.6	0.1	0.69	0.4	0.40	2.8	0.6
66771	0.2				5.70	1.0	3	1200	72	< 1	6.3	3.70	< 0.1	18	17.4	48	4440	210	23.4	< 0.1	2.51	9.9	101
66772	< 0.1				0.44	0.2	18	< 100	42	< 1	0.5	0.18	< 0.1	2	1.1	257	17.4	0.1	0.61	0.1	0.21	0.9	0.7
66773	0.2				0.23	1.3	< 1	300	14	< 1	13.0	0.07	10.4	2	1.4	298	12.1	< 0.1	0.60	< 0.1	0.05	0.8	1.0
66774	0.2				0.76	1.1	2	< 100	26	< 1	6.0	0.17	0.2	3	3.5	288	13.6	< 0.1	1.09	0.1	0.07	1.4	2.4
66775	< 0.1				6.67	< 0.1	< 1	100	769	2	0.2	0.68	< 0.1	42	0.8	115	19.2	0.5	1.14	3.8	3.02	18.7	3.7
66776	< 0.1				0.15	0.2	32	< 100	7	< 1	< 0.1	0.01	< 0.1	< 1	0.8	287	14.4	< 0.1	0.83	< 0.1	0.05	0.4	4.4
66777	0.1				0.06	< 0.1	83	400	11	< 1	< 0.1	0.19	< 0.1	< 1	7.1	269	42.7	< 0.1	0.93	0.3	0.01	0.2	0.7
66778	< 0.1				7.03	< 0.1	2	< 100	662	2	0.1	1.49	< 0.1	39	3.1	114	12.9	0.6	2.30	5.0	1.83	18.3	6.2
66779	< 0.1				6.21	< 0.1	2	< 100	803	2	< 0.1	0.54	< 0.1	72	0.8	100	83.8	0.3	1.15	4.8	2.81	34.6	1.9
66781	5.4				0.30	30.3	24	> 2000	12	< 1	7.3	0.86	3.6	< 1	3.2	336	16.0	< 0.1	1.04	< 0.1	0.04	0.5	1.8
66782	0.9				0.29	3.6	7	> 2000	11	< 1	1.7	0.12	0.1	< 1	1.1	314	5.1	< 0.1	0.56	< 0.1	0.05	0.3	1.1
66783	< 0.1				0.43	0.2	3	< 100	5	< 1	0.7	0.62	< 0.1	< 1	3.2	356	8.0	< 0.1	0.64	< 0.1	0.01	0.2	1.8
66784	< 0.1				2.24	< 0.1	3	< 100	27	< 1	< 0.1	0.22	< 0.1	2	8.7	281	3.8	< 0.1	2.48	0.4	0.05	0.9	8.8
66785	< 0.1				4.52	< 0.1	< 1	< 100	76	< 1	< 0.1	6.93	0.2	28	9.6	125	30.5	0.2	3.09	0.3	0.18	12.8	3.6
66786	< 0.1				0.63	0.3	3	< 100	25	< 1	0.7	1.09	< 0.1	< 1	4.3	270	7.3	< 0.1	0.94	0.1	0.05	0.4	3.2
66787	0.7				0.92	1.6	48	200	36	< 1	4.6	0.25	< 0.1	3	8.6	310	27.0	0.2	1.85	0.2	0.10	1.5	6.8
66788	< 0.1				6.67	< 0.1	< 1	< 100	103	1	< 0.1	5.21	0.1	26	19.4	49	16.2	0.3	6.17	1.7	0.45	10.6	10.1
66789	< 0.1				0.08	< 0.1	< 1	< 100	6	< 1	< 0.1	0.04	< 0.1	< 1	0.8	256	3.4	< 0.1	0.29	< 0.1	0.02	0.1	0.5
66790	< 0.1				0.32	0.1	1	< 100	12	< 1	0.3	0.75	0.1	< 1	2.0	268	3.4	< 0.1	0.66	< 0.1	0.03	0.2	2.3
66791	< 0.1		3.80	5.26	3.24	48.2	123	< 100	15	2	0.3	4.09	149	40	37.2	26	430	2.3	6.74	2.1	2.50	18.2	26.2
66792	0.1				0.58	0.3	3	200	26	< 1	0.6	0.83	0.3	< 1	4.0	232	8.9	0.1	1.02	< 0.1	0.06	0.3	4.6
66793	< 0.1				0.37	< 0.1	3	< 100	11	< 1	0.2	0.56	< 0.1	< 1	4.3	336	8.7	< 0.1	0.83	< 0.1	0.03	0.2	3.1
66794	< 0.1				0.02	< 0.1	< 1	< 100	38	< 1	< 0.1	0.06	< 0.1	< 1	0.5	260	2.8	< 0.1	0.26	2.2	0.01	0.1	0.3
66795	0.6				0.82	7.3	11	< 100	174	< 1	17.3	1.48	0.1	< 1	7.0	389	15.9	0.1	0.86	< 0.1	0.24	0.4	4.8
66796	< 0.1				0.29	< 0.1	9	< 100	40	< 1	0.1	1.37	< 0.1	< 1	3.0	265	6.8	< 0.1	0.48	< 0.1	0.07	0.3	1.9
66797	0.1				2.19	1.2	24	< 100	316	< 1	3.6	1.03	0.3	1	14.8	605	19.4	0.2	2.44	0.2	0.41	0.6	17.9
66798	< 0.1				0.16	< 0.1	14	< 100	19	< 1	7.7	0.09	< 0.1	< 1	2.4	277	11.0	< 0.1	0.43	< 0.1	0.07	0.2	0.3
66799	< 0.1				2.83	< 0.1	23	< 100	283	1	0.2	0.08	< 0.1	9	1.5	203	40.7	0.2	1.07	1.0	0.81	4.7	1.2
66800	< 0.1				1.99	< 0.1	35	< 100	148	< 1	0.2	0.05	< 0.1	5	0.8	257	18.3	< 0.1	0.78	0.7	0.40	2.8	0.5
66801	< 0.1				1.72	< 0.1	< 1	< 100	27	< 1	< 0.1	1.35	< 0.1	178	4.5	208	6.8	< 0.1	2.00	< 0.1	0.05	96.7	3.5
66802	< 0.1				0.71	< 0.1	4	< 100	65	< 1	< 0.1	0.28	< 0.1	1	1.9	367	13.8	< 0.1	0.53	< 0.1	0.11	0.8	1.1
66803	3.3				0.81	22.7	3	< 100	15	< 1	52.3	1.59	3.6	8	3.4	318	14.4	< 0.1	1.26	< 0.1	0.03	3.9	4.4
66804	1.7				0.73	11.3	4	< 100	19	< 1	27.4	2.91	0.7	5	4.2	349	16.5	< 0.1	1.33	< 0.1	0.03	2.5	5.1
66805	0.1				5.57	0.7	2	< 100	731	1	2.5	0.47	0.3	24	5.2	111	45.1	0.3	2.19	2.5	1.09	12.0	7.3
66806	0.8				2.86	7.7	7	< 100	157	< 1	18.0	0.43	6.2	11	2.2	202	22.0	< 0.1	0.87	< 0.1	0.29	5.0	2.1
66807	< 0.1				4.55	< 0.1	16	< 100	188	< 1	0.5	0.37	0.4	24	5.5	166	48.3	< 0.1	1.52	1.6	0.40	12.2	5.0
66808	0.4				4.72	3.0	7	< 100	413	1	7.2	0.35	3.8	18	3.9	138	53.5	0.2	1.63	2.5	0.63	9.5	5.4
66809	0.4				0.92	2.7	1	< 100	104	< 1	6.4	0.08	34.5	3	1.2	246	15.1	< 0.1	0.65	0.3	0.14	1.6	1.4

Analyte Symbol	Te	Cu	Pb	Zn	Al	Ag	As	Au	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Cs	Fe	Hf	K	La	Li
Unit Symbol	ppm	%	%	%	%	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm
Lower Limit	0.1	0.005	0.01	0.01	0.01	0.1	1	100	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.1	0.01	0.1	0.01	0.1	0.1
Method Code	TD-MS	FUS-Na2O2	FUS-Na2O2	FUS-Na2O2	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
66810	< 0.1				5.87	0.3	6	< 100	335	2	1.2	0.57	2.9	20	6.1	135	72.3	0.2	2.35	3.6	0.99	9.4	7.3
66811	< 0.1				6.44	0.7	4	< 100	252	2	2.3	0.74	1.8	32	6.7	176	71.9	0.3	2.24	3.5	0.93	16.0	6.1
66812	0.8				4.95	6.6	6	< 100	418	1	15.3	0.36	1.6	14	1.3	142	39.5	0.2	1.40	0.4	0.69	7.5	5.2
66813	< 0.1				2.67	0.5	7	< 100	176	< 1	1.3	0.61	0.8	7	4.5	222	24.0	0.1	1.14	< 0.1	0.24	3.4	3.6
66814	0.2				3.90	1.4	7	< 100	350	< 1	3.7	0.52	0.4	15	4.7	139	37.5	0.2	1.26	0.3	0.60	7.2	4.4
66815	< 0.1				0.11	< 0.1	9	< 100	4	< 1	< 0.1	0.02	< 0.1	< 1	1.1	274	9.5	< 0.1	0.36	< 0.1	0.01	< 0.1	0.6
66816	< 0.1				5.94	0.5	2	< 100	1130	2	1.5	0.79	0.3	20	5.8	128	53.3	0.4	2.10	3.5	1.51	9.4	11.7
66817	< 0.1				0.43	< 0.1	159	< 100	49	< 1	< 0.1	0.37	< 0.1	2	2.0	334	9.6	< 0.1	0.79	0.2	0.19	1.2	1.3
66819	< 0.1				0.13	0.4	5	< 100	8	< 1	0.9	0.02	< 0.1	< 1	0.8	228	14.6	< 0.1	0.30	< 0.1	0.04	< 0.1	2.7
66820	< 0.1				1.87	< 0.1	871	100	233	< 1	0.1	1.26	< 0.1	20	2.7	230	15.7	0.5	1.39	0.2	0.62	10.0	7.2
66821	< 0.1				1.12	< 0.1	3	< 100	68	< 1	< 0.1	0.18	< 0.1	9	2.5	316	8.1	< 0.1	0.84	0.5	0.21	4.7	3.1
66822	< 0.1				0.61	< 0.1	29	< 100	106	< 1	0.2	0.84	< 0.1	1	1.2	336	4.0	0.3	0.92	< 0.1	0.21	0.7	2.7
66823	< 0.1				1.53	< 0.1	1880	200	18	< 1	0.4	1.11	< 0.1	2	4.1	412	9.6	< 0.1	1.94	0.5	0.04	1.0	4.3
66824	< 0.1				1.53	< 0.1	1520	300	8	< 1	0.3	1.99	0.1	3	4.7	228	19.6	< 0.1	1.95	0.5	0.03	1.4	4.7
66825	1.6				6.53	< 0.1	1940	< 100	738	1	2.3	9.12	< 0.1	4	63.3	648	32.4	1.4	5.34	1.3	1.49	1.7	29.7
67001	< 0.1				3.32	< 0.1	< 1	< 100	242	3	0.1	11.8	0.3	217	36.9	83	182	2.5	8.51	1.2	1.06	132	41.0
67002	< 0.1				5.90	< 0.1	1	< 100	56	< 1	< 0.1	5.75	< 0.1	9	30.2	143	78.8	0.2	4.99	0.9	0.22	4.2	19.0
67003	< 0.1				7.43	< 0.1	< 1	< 100	134	< 1	< 0.1	4.63	0.1	9	29.8	75	119	0.1	6.30	0.9	0.29	4.4	19.0
67004	< 0.1				7.08	< 0.1	6	< 100	209	< 1	< 0.1	7.01	< 0.1	10	35.7	180	72.3	0.2	6.72	0.9	0.33	4.7	13.3
67005	< 0.1				7.16	< 0.1	5	< 100	247	< 1	< 0.1	6.29	0.1	3	78.4	1430	89.7	0.3	8.08	0.5	0.45	1.3	29.1
67006	< 0.1				6.77	< 0.1	< 1	< 100	115	1	< 0.1	0.30	< 0.1	8	0.8	40	7.6	2.0	0.36	2.0	4.60	3.6	5.8
67007	< 0.1				8.20	< 0.1	< 1	< 100	128	< 1	< 0.1	5.11	< 0.1	8	36.0	61	113	0.2	6.60	1.0	0.37	3.9	23.6
67008	< 0.1				7.24	< 0.1	< 1	< 100	182	1	0.1	2.81	< 0.1	18	38.7	117	164	< 0.1	10.7	1.5	0.48	7.5	18.4
67009	0.2				6.69	< 0.1	1	< 100	427	2	0.8	0.45	0.2	53	0.8	105	13.5	0.3	1.36	4.9	2.88	25.1	3.1
67010	< 0.1				1.37	< 0.1	< 1	< 100	36	< 1	< 0.1	0.28	< 0.1	3	4.4	178	45.2	0.1	1.02	0.3	0.22	1.7	3.7
67011	< 0.1				0.58	< 0.1	< 1	< 100	11	< 1	< 0.1	3.31	< 0.1	1	2.5	205	29.2	< 0.1	0.75	< 0.1	0.01	0.9	1.2
67012	< 0.1				0.49	< 0.1	< 1	< 100	18	< 1	< 0.1	0.04	< 0.1	1	0.9	260	3.3	< 0.1	0.42	< 0.1	0.06	0.5	2.2
67013	< 0.1				6.56	< 0.1	< 1	< 100	417	5	< 0.1	2.34	0.2	46	7.8	134	31.2	0.2	3.37	4.8	1.25	21.5	7.7
67014	1.9				0.47	6.2	27	< 100	31	< 1	13.6	1.31	0.2	< 1	7.2	291	19.7	< 0.1	0.92	< 0.1	0.10	0.5	2.8
67015	0.5				4.77	0.7	145	< 100	13	< 1	0.9	0.30	0.8	3	40.1	156	1380	0.4	22.8	1.1	0.63	1.3	26.6
67016	< 0.1				7.30	< 0.1	9	< 100	63	< 1	< 0.1	4.70	< 0.1	9	36.3	303	40.7	0.3	6.74	0.9	0.26	4.4	27.1
67017	0.2				1.59	0.7	16	< 100	86	< 1	3.2	1.12	0.5	4	1.2	256	25.4	< 0.1	0.65	0.7	0.21	2.5	0.9
67018	< 0.1				0.19	< 0.1	9	< 100	3	< 1	0.3	0.48	< 0.1	< 1	1.1	292	5.3	< 0.1	0.54	< 0.1	< 0.01	0.2	0.5
67019	< 0.1				7.84	0.1	< 1	< 100	135	< 1	0.1	1.43	< 0.1	12	42.3	99	659	1.1	12.0	1.0	1.46	5.2	19.6
67020	< 0.1				4.16	0.6	241	300	58	< 1	5.1	3.77	< 0.1	91	331	41	5150	0.6	19.3	2.9	2.96	84.4	14.7
67021	< 0.1				7.41	0.2	7	< 100	367	< 1	0.2	2.43	< 0.1	12	16.0	48	689	1.1	5.67	1.9	2.51	4.6	5.9
67022	< 0.1				4.27	< 0.1	2	< 100	273	< 1	< 0.1	0.44	< 0.1	7	8.1	162	154	0.5	1.47	0.5	1.02	3.4	1.1
67023	< 0.1				6.64	< 0.1	20	< 100	272	< 1	0.4	5.31	< 0.1	18	27.8	61	272	1.6	10.5	0.9	2.32	7.7	2.7
67024	< 0.1				9.01	< 0.1	5	< 100	372	< 1	0.2	4.51	0.2	8	29.0	51	133	0.5	7.22	0.6	0.96	3.4	17.6
67025	< 0.1				7.31	0.1	< 1	< 100	94	< 1	0.3	6.56	< 0.1	30	30.6	105	293	0.2	8.50	0.7	0.36	13.9	9.9
67026	0.3				5.19	0.3	2	< 100	117	< 1	0.2	3.25	< 0.1	3	48.3	234	667	0.4	15.2	0.4	0.89	1.0	22.5
67027	< 0.1				6.58	0.7	< 1	< 100	69	< 1	1.0	4.79	0.3	19	43.5	93	2860	0.4	16.7	2.1	0.35	8.6	10.8

Analyte Symbol	Te	Cu	Pb	Zn	Al	Ag	As	Au	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Cs	Fe	Hf	K	La	Li
Unit Symbol	ppm	%	%	%	%	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm
Lower Limit	0.1	0.005	0.01	0.01	0.01	0.1	1	100	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.1	0.01	0.1	0.01	0.1	0.1
Method Code	TD-MS	FUS-Na2O2	FUS-Na2O2	FUS-Na2O2	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
67251	< 0.1				7.01	< 0.1	< 1	< 100	892	3	0.4	0.36	0.2	16	0.5	66	13.7	0.8	0.76	3.4	2.79	8.2	1.9
67252	< 0.1				0.93	< 0.1	13	< 100	126	< 1	< 0.1	0.83	0.3	2	3.6	316	26.2	0.2	0.76	< 0.1	0.47	1.1	1.0
67253	< 0.1				6.32	< 0.1	< 1	< 100	289	< 1	0.2	2.42	< 0.1	25	14.1	156	60.7	1.3	5.55	1.4	1.17	11.1	26.8
67254	< 0.1				8.86	< 0.1	2	< 100	358	1	0.2	5.19	< 0.1	37	22.4	71	20.7	1.3	6.66	2.3	1.70	16.1	11.3
67255	< 0.1				7.06	< 0.1	4	< 100	401	1	0.1	5.96	< 0.1	17	24.8	124	1.1	1.1	6.37	1.3	1.32	8.6	30.6
67256	0.2				6.37	0.2	< 1	< 100	54	< 1	0.3	5.36	25.1	12	29.3	100	1060	0.3	11.9	1.5	0.83	5.8	9.4
67257	< 0.1				6.94	< 0.1	< 1	< 100	473	< 1	0.1	1.85	< 0.1	54	14.2	89	123	0.5	6.20	4.0	0.95	25.1	10.7
67258	< 0.1				0.20	0.4	9	< 100	11	< 1	0.2	0.16	< 0.1	< 1	2.1	305	526	< 0.1	0.48	< 0.1	0.09	0.3	0.5
67259	< 0.1				2.39	< 0.1	107	< 100	8	< 1	0.2	7.79	< 0.1	4	46.7	652	91.9	0.2	5.18	0.5	0.02	1.6	14.4
67260	< 0.1				3.27	< 0.1	564	< 100	204	< 1	0.2	5.85	0.1	6	64.4	1310	254	0.5	7.21	0.9	1.64	2.4	2.3
67261	0.3				1.15	22.1	97	200	49	< 1	6.1	0.03	< 0.1	2	8.0	595	7560	0.2	2.21	0.2	0.50	0.8	0.8
67262	< 0.1				5.80	< 0.1	< 1	< 100	7	< 1	< 0.1	10.4	0.1	6	42.1	256	105	0.2	7.51	1.1	0.02	2.5	8.2
67263	< 0.1				0.24	< 0.1	3	< 100	9	< 1	< 0.1	13.6	0.1	2	2.6	95	4.6	< 0.1	5.18	< 0.1	0.05	1.1	0.7
67264	< 0.1				0.19	< 0.1	< 1	< 100	107	< 1	< 0.1	0.69	< 0.1	1	1.1	148	5.7	< 0.1	1.26	0.4	0.03	0.6	1.2
67265	0.2				0.06	< 0.1	266	< 100	7	< 1	< 0.1	0.05	< 0.1	< 1	1.2	258	25.7	< 0.1	1.84	< 0.1	0.01	0.4	0.3
67266	< 0.1				0.32	< 0.1	5	< 100	242	< 1	< 0.1	15.5	< 0.1	4	2.6	38	1.6	4.2	6.70	0.1	0.15	2.4	2.3
67267	< 0.1				5.38	0.4	2	< 100	145	< 1	0.7	0.51	4.4	20	2.5	116	6.1	0.1	1.85	2.9	0.94	10.2	2.7
67268	0.2				0.35	< 0.1	16	< 100	11	< 1	< 0.1	2.73	< 0.1	3	4.9	109	53.3	0.8	26.7	< 0.1	0.08	6.4	0.2
67269	< 0.1				2.26	< 0.1	4	< 100	310	< 1	< 0.1	0.83	< 0.1	8	2.4	258	84.9	0.2	0.99	0.2	0.80	3.8	1.5
67270	0.2				6.57	0.3	5	< 100	78	< 1	1.2	2.27	1.1	24	19.1	229	227	0.6	6.02	3.4	1.27	10.7	16.6
67271	< 0.1				2.76	0.1	< 1	< 100	39	1	< 0.1	15.0	0.3	548	65.6	135	231	< 0.1	11.9	0.1	0.02	265	21.7
67272	< 0.1				4.29	0.1	< 1	< 100	331	2	< 0.1	7.11	0.2	165	37.4	181	159	1.5	7.18	0.4	0.69	88.0	16.3
67273	< 0.1				6.01	< 0.1	< 1	< 100	38	2	< 0.1	1.27	0.1	39	27.9	64	38.4	< 0.1	9.01	4.0	0.89	17.3	29.6
67274	< 0.1				3.57	< 0.1	< 1	< 100	17	< 1	< 0.1	4.42	< 0.1	6	86.1	2350	51.2	0.2	8.37	0.6	0.03	2.5	11.9

Analyte Symbol	Na	Nb	Ni	P	Rb	Pb	S	Mg	Mn	Mo	Sb	Sc	Sn	Sr	Ta	Th	Ti	Tl	U	V	W	Y	Zn
Unit Symbol	%	ppm	ppm	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.1	0.1	0.001	0.1	0.1	1	0.01	1	0.1	0.1	1	0.1	1	0.1	0.1	0.001	0.05	0.1	4	0.1	0.1	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
66251	0.155	< 0.1	565	0.028	22.5	1.8	< 1	5.36	1350	0.2	< 0.1	17	0.2	179	< 0.1	0.6	0.266	0.19	0.5	113	< 0.1	7.4	32
66252	0.142	0.5	1260	0.011	3.3	0.8	< 1	17.5	1210	0.9	< 0.1	15	0.5	7	< 0.1	0.3	0.159	< 0.05	< 0.1	61	0.3	4.8	62
66253	2.92	5.7	7.5	0.037	30.2	8.2	< 1	0.41	847	10.1	0.3	7	1.5	145	0.2	3.3	0.217	0.11	1.1	20	0.7	20.2	44
66254	1.96	< 0.1	145	0.039	6.9	4.3	< 1	3.94	1250	0.1	< 0.1	27	0.1	185	< 0.1	1.0	0.429	< 0.05	0.3	137	< 0.1	9.4	52
66255	2.25	1.6	110	0.095	28.6	3.6	< 1	4.86	1370	2.1	< 0.1	27	0.7	466	< 0.1	1.4	0.417	0.28	0.5	173	0.1	13.7	88
66256	0.089	< 0.1	444	0.025	33.8	1.2	< 1	4.05	1170	1.1	0.3	16	0.2	126	< 0.1	0.4	0.410	0.18	0.7	106	< 0.1	6.7	47
66257	3.19	5.4	3.7	0.036	32.6	7.4	< 1	0.34	777	8.0	0.5	7	1.5	235	0.1	2.3	0.220	0.15	0.6	19	0.4	22.4	61
66258	0.011	0.6	44.9	0.007	3.8	117	2	0.06	104	20.0	10.2	1	0.9	1	< 0.1	0.2	0.030	< 0.05	0.5	8	0.6	2.2	4670
66259	0.012	2.6	37.8	0.039	6.3	26.0	6	0.52	301	13.2	4.3	5	1.0	< 1	0.1	1.0	0.145	0.06	0.9	48	2.1	11.8	59
66260	0.016	2.9	41.9	0.031	10.2	37.7	6	0.43	491	15.6	3.8	6	1.2	< 1	0.1	1.0	0.200	0.11	1.1	60	2.2	10.2	183
66261	1.56	0.3	16.8	0.054	1.5	1.8	< 1	2.00	1720	0.6	< 0.1	36	0.6	63	< 0.1	2.1	0.506	< 0.05	0.7	301	< 0.1	30.0	366
66264	0.008	0.4	7.4	0.014	0.9	4.9	< 1	0.02	103	17.0	2.1	< 1	0.6	< 1	< 0.1	0.2	0.009	< 0.05	0.6	21	0.2	2.9	6
66265	0.587	< 0.1	13.1	0.105	2.6	4.7	< 1	1.68	1760	0.1	< 0.1	26	0.5	185	< 0.1	0.7	0.147	< 0.05	0.5	92	< 0.1	34.8	139
66266	0.279	1.1	111	0.051	0.9	32.5	7	2.32	1810	4.1	0.5	29	1.4	149	< 0.1	0.5	0.448	< 0.05	1.0	219	0.2	32.8	120
66267	3.84	0.6	18.5	0.059	27.5	5.8	< 1	1.96	1080	0.2	< 0.1	18	0.9	199	< 0.1	0.7	0.365	0.16	0.4	124	< 0.1	12.3	97
66268	0.696	< 0.1	71.9	0.045	13.1	4.8	< 1	3.04	1330	0.1	< 0.1	37	0.1	180	< 0.1	0.4	0.194	0.06	0.2	135	< 0.1	11.2	104
66269	0.080	< 0.1	664	0.022	31.0	2.0	< 1	6.21	931	0.8	0.1	22	0.3	186	< 0.1	0.2	0.318	0.22	0.1	123	< 0.1	8.0	56
66270	2.93	1.4	23.3	0.021	42.3	7.2	< 1	0.54	276	10.5	0.1	6	0.8	334	< 0.1	1.3	0.157	0.23	0.3	36	< 0.1	5.7	20
66271	0.278	0.2	5.3	0.069	29.8	0.8	< 1	4.21	922	0.5	< 0.1	30	0.3	18	< 0.1	1.7	0.384	0.17	0.7	197	< 0.1	18.2	59
66272	0.018	9.5	23.7	0.128	32.8	1.2	< 1	0.68	411	11.3	0.1	< 1	0.5	66	0.3	1.9	0.254	0.11	0.9	31	3.6	3.5	11
66273	1.14	4.3	20.2	0.076	60.2	2.6	< 1	1.63	1410	0.9	0.4	24	1.5	135	< 0.1	1.1	0.704	0.44	0.4	208	0.2	9.3	56
66274	0.021	0.3	5.6	0.011	0.5	0.7	< 1	0.05	56	19.2	0.2	< 1	0.5	1	< 0.1	< 0.1	0.010	< 0.05	< 0.1	< 4	0.2	0.2	5
66275	0.009	0.2	< 0.1	0.001	0.4	0.4	< 1	0.07	657	5.2	0.2	11	0.4	59	< 0.1	< 0.1	0.003	< 0.05	< 0.1	5	< 0.1	56.8	4
66276	0.753	< 0.1	14.1	0.079	3.9	2.7	< 1	1.43	1280	0.7	< 0.1	17	0.4	159	< 0.1	1.5	0.235	< 0.05	0.5	76	< 0.1	19.4	73
66277	2.37	1.3	16.6	0.049	35.9	12.2	2	2.74	801	10.9	0.1	23	3.7	180	< 0.1	2.8	0.400	0.17	2.3	151	< 0.1	11.2	268
66278	1.31	4.5	8.8	0.043	31.7	2.5	< 1	3.08	1110	5.1	0.4	17	1.3	117	0.2	3.5	0.442	0.16	1.9	136	0.3	9.0	122
66280	2.27	1.2	26.7	0.088	58.8	13.7	2	2.53	634	0.4	0.2	32	0.8	174	< 0.1	1.8	0.500	0.30	1.7	168	< 0.1	16.5	67
66282	2.00	0.1	81.2	0.052	9.0	3.7	< 1	2.52	1090	0.2	< 0.1	18	0.3	204	< 0.1	0.7	0.196	< 0.05	0.3	69	< 0.1	7.5	84
66283	0.029	0.4	9.5	0.005	0.4	2.1	< 1	0.13	177	16.7	0.2	2	0.6	48	< 0.1	< 0.1	0.045	< 0.05	< 0.1	23	0.3	1.1	13
66284	0.048	4.3	855	0.075	15.2	2.6	< 1	8.12	1360	2.3	1.5	31	1.1	202	0.2	0.7	0.733	0.06	0.3	163	2.0	8.0	144
66285	0.019	0.2	7.7	0.002	2.7	0.5	< 1	0.08	122	18.5	0.7	< 1	0.5	6	< 0.1	< 0.1	0.012	< 0.05	< 0.1	< 4	0.5	0.8	6
66286	3.10	0.2	141	0.056	11.9	0.6	< 1	5.07	1380	1.3	< 0.1	35	< 0.1	194	< 0.1	1.4	0.346	< 0.05	0.4	162	< 0.1	8.6	66
66287	0.019	2.2	940	0.027	10.7	2.1	< 1	10.8	1710	0.6	< 0.1	31	0.5	424	< 0.1	0.5	0.374	0.05	0.3	140	1.2	12.5	67
66288	0.028	0.3	210	0.009	14.4	2.6	< 1	9.52	1510	0.4	0.2	17	0.4	720	< 0.1	1.7	0.146	0.06	0.3	63	0.1	12.5	50
66289	0.041	< 0.1	760	0.016	19.1	2.0	< 1	8.20	1280	0.2	0.3	25	0.1	162	< 0.1	0.2	0.186	0.12	0.2	119	< 0.1	6.9	77
66290	2.62	0.7	20.5	0.018	37.7	6.5	< 1	0.46	244	8.5	< 0.1	5	0.6	298	< 0.1	1.2	0.142	0.20	0.3	32	< 0.1	5.0	17
66291	1.72	0.7	32.1	0.049	8.1	1.5	1	3.27	1040	1.2	< 0.1	25	0.5	65	< 0.1	0.5	0.465	< 0.05	0.5	167	< 0.1	13.4	105
66292	0.058	0.7	111	0.009	22.4	2.4	< 1	1.49	479	12.5	3.5	5	0.7	92	< 0.1	0.5	0.094	0.10	0.7	36	0.8	2.9	51
66293	0.974	< 0.1	11.2	0.050	13.1	2.0	< 1	1.13	631	0.4	< 0.1	13	0.2	88	< 0.1	0.8	0.136	0.06	0.3	35	< 0.1	9.9	42
66294	0.520	3.7	678	0.059	7.4	7.6	6	4.50	922	21.6	0.2	13	3.6	87	< 0.1	1.1	0.449	< 0.05	1.9	126	0.1	25.2	61
66295	< 0.001	2.4	149	0.018	9.6	5.5	8	1.87	948	89.4	1.0	8	2.1	108	0.1	0.3	0.165	0.08	0.3	123	0.5	6.7	60
66501	0.118	0.4	7.6	0.004	3.0	8.9	< 1	0.02	65	19.4	1.4	< 1	0.5	19	< 0.1	< 0.1	0.044	< 0.05	0.1	9	4.8	0.5	8

Analyte Symbol	Na	Nb	Ni	P	Rb	Pb	S	Mg	Mn	Mo	Sb	Sc	Sn	Sr	Ta	Th	Ti	Tl	U	V	W	Y	Zn
Unit Symbol	%	ppm	ppm	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.1	0.1	0.001	0.1	0.1	1	0.01	1	0.1	0.1	1	0.1	1	0.1	0.1	0.001	0.05	0.1	4	0.1	0.1	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
66502	0.146	0.2	699	0.018	18.0	1.0	< 1	5.57	1250	0.8	< 0.1	23	0.3	107	< 0.1	0.1	0.275	0.17	< 0.1	118	< 0.1	7.0	73
66503	2.97	5.9	10.5	0.043	14.0	9.5	< 1	0.78	506	9.0	1.7	9	1.5	230	0.2	3.9	0.198	0.07	1.2	63	1.1	11.1	29
66504	3.06	0.4	8.0	0.117	50.0	6.1	< 1	2.66	1250	0.5	0.1	22	0.5	372	< 0.1	2.1	0.411	0.23	0.8	144	< 0.1	20.5	110
66505	4.15	3.9	85.5	0.039	21.6	2.6	< 1	3.43	1040	2.7	5.1	36	1.1	114	0.2	3.9	0.332	0.09	1.1	217	0.4	10.4	108
66506	2.81	4.0	5.7	0.050	47.9	11.2	< 1	0.69	1050	5.6	0.3	7	3.6	342	0.1	7.0	0.267	0.25	1.4	37	< 0.1	12.1	79
66507	2.77	104	486	0.130	25.1	6.7	< 1	6.18	1150	3.5	0.3	15	4.8	618	6.7	11.9	0.667	0.27	3.6	116	0.9	47.8	115
66508	1.95	< 0.1	9.7	0.044	71.2	2.2	< 1	1.74	1330	2.4	0.1	57	0.4	157	< 0.1	0.5	0.467	0.57	0.7	360	< 0.1	15.2	106
66509	2.10	1.5	554	0.021	65.9	3.1	< 1	2.62	1050	2.9	3.6	32	1.1	181	0.1	0.9	0.263	0.44	1.0	186	1.8	9.6	61
66510	7.04	1.5	116	0.023	6.1	5.7	< 1	0.32	206	4.8	1.9	4	0.6	323	0.2	1.9	0.094	0.07	0.6	36	0.2	5.2	14
66511	0.020	0.2	11.1	0.002	0.7	13.9	< 1	0.01	30	21.3	1.3	< 1	0.7	< 1	< 0.1	0.1	0.004	< 0.05	< 0.1	< 4	0.9	0.2	893
66512	0.133	0.2	36.5	0.003	4.8	0.9	< 1	0.28	372	10.0	0.7	3	0.5	124	< 0.1	0.1	0.010	< 0.05	< 0.1	17	6.6	3.0	11
66513	1.56	< 0.1	118	0.075	111	2.5	< 1	4.04	1150	0.2	0.5	33	0.6	577	< 0.1	1.7	0.299	0.67	0.5	139	< 0.1	15.0	70
66514	0.041	1.2	22.7	0.017	0.4	1.0	1	0.18	99	21.2	0.4	2	0.5	8	< 0.1	< 0.1	0.113	< 0.05	< 0.1	21	0.3	0.9	8
66515	0.736	0.3	599	0.007	42.5	1.4	< 1	5.47	1040	1.5	2.4	30	0.6	170	< 0.1	< 0.1	0.190	0.29	0.6	118	2.2	8.9	51
66516	1.02	5.2	28.1	0.026	24.6	10.9	1	0.43	494	17.5	0.4	6	2.1	166	0.4	4.6	0.170	0.10	1.7	43	0.2	6.5	39
66517	3.20	6.0	47.7	0.038	1.0	2.7	3	2.48	625	8.7	1.1	13	1.2	269	0.5	2.9	0.424	< 0.05	0.9	140	0.7	7.9	45
66518	2.80	5.1	4.0	0.052	55.5	18.0	< 1	0.76	1080	7.6	0.5	7	1.9	353	0.1	8.5	0.299	0.29	1.7	42	0.7	12.9	72
66519	2.66	3.6	3.9	0.051	57.8	11.2	< 1	0.72	1040	7.8	< 0.1	8	1.7	344	< 0.1	8.7	0.273	0.29	1.8	40	< 0.1	13.1	71
66520	3.29	1.7	24.5	0.022	45.1	7.4	< 1	0.60	284	9.9	0.1	6	0.9	366	< 0.1	1.4	0.176	0.23	0.3	39	0.1	5.9	21
66521	0.943	3.3	6.3	0.025	42.8	13.7	< 1	0.09	319	18.1	1.5	3	1.2	37	0.2	3.1	0.101	0.20	1.3	21	1.0	5.1	9
66522	3.47	0.7	32.2	0.098	4.2	11.0	< 1	2.78	1270	0.3	< 0.1	40	21.2	346	< 0.1	2.7	0.292	< 0.05	0.9	101	< 0.1	30.7	175
66523	1.61	1.7	49.1	0.059	10.2	1.4	1	4.98	1990	1.2	< 0.1	39	0.6	54	< 0.1	0.6	0.680	< 0.05	0.5	282	< 0.1	18.9	288
66525	0.034	0.2	12.3	0.003	5.0	21.6	1	0.39	269	15.7	3.6	1	0.5	37	< 0.1	< 0.1	0.013	< 0.05	< 0.1	7	0.5	3.5	18
66526	0.398	5.7	51.4	0.058	15.7	18.2	7	1.41	492	17.9	2.1	17	1.8	142	0.3	0.9	0.487	0.07	1.1	142	1.7	12.0	75
66751	3.49	11.1	4.9	0.050	62.3	8.5	< 1	0.22	220	9.9	0.4	5	3.8	57	0.8	5.5	0.225	0.33	1.4	26	41.1	7.6	28
66752	0.183	0.8	5.1	0.004	7.1	66.7	< 1	0.04	53	16.4	0.4	< 1	1.3	3	< 0.1	0.8	0.018	< 0.05	0.2	< 4	1.8	0.8	20
66753	0.059	0.4	4.5	0.002	2.2	88.0	< 1	0.01	33	18.0	0.2	< 1	0.5	< 1	< 0.1	0.2	0.005	< 0.05	0.1	< 4	1.7	0.3	50
66754	0.050	0.4	4.9	0.002	1.7	72.0	< 1	< 0.01	43	17.5	1.1	< 1	0.4	< 1	< 0.1	0.1	0.006	< 0.05	< 0.1	< 4	0.8	0.2	50
66755	0.625	0.4	5.0	0.009	11.7	7.0	< 1	0.09	104	16.1	0.2	1	1.2	8	< 0.1	2.2	0.054	< 0.05	0.4	9	17.5	2.6	9
66756	0.815	1.4	6.2	0.017	32.4	3.1	< 1	0.11	269	14.5	0.3	3	1.3	38	< 0.1	5.0	0.107	0.10	1.2	9	2.4	7.4	12
66757	0.013	0.2	5.7	0.001	0.7	0.4	< 1	< 0.01	47	22.8	0.2	< 1	0.4	< 1	< 0.1	< 0.1	0.001	< 0.05	< 0.1	< 4	0.3	< 0.1	2
66758	1.32	3.1	6.4	0.004	24.3	3.2	< 1	0.07	105	15.4	0.3	1	1.9	30	< 0.1	3.8	0.017	0.06	1.2	< 4	1.4	6.7	12
66759	4.00	10.8	3.8	0.004	52.2	38.1	< 1	0.02	42	14.4	0.3	1	2.1	70	0.5	9.7	0.019	0.23	7.8	< 4	0.9	20.3	9
66760	3.37	5.5	4.2	0.002	31.6	3.2	< 1	0.06	131	9.1	0.2	1	2.0	55	0.1	5.6	0.018	0.10	2.0	5	2.1	13.5	6
66761	3.96	10.6	3.8	0.004	48.2	17.4	< 1	0.01	49	13.2	0.3	1	1.5	80	0.6	7.1	0.018	0.20	3.3	< 4	0.8	18.1	5
66762	0.137	0.5	3.8	0.004	42.2	5.1	< 1	0.08	25	8.9	0.2	< 1	0.5	28	< 0.1	0.9	0.026	0.32	0.2	< 4	0.3	0.8	< 1
66763	3.93	10.6	2.9	0.004	49.4	13.9	< 1	< 0.01	76	8.5	0.4	1	2.9	44	0.4	5.0	0.020	0.25	1.5	< 4	1.2	10.7	6
66764	4.09	8.4	3.0	0.004	44.7	10.4	< 1	0.02	47	9.9	0.4	1	1.8	60	0.2	6.1	0.024	0.24	1.7	< 4	1.2	10.7	4
66765	3.51	5.3	3.5	0.002	70.6	15.1	< 1	0.02	75	10.9	0.3	1	3.2	36	< 0.1	6.5	0.016	0.46	2.3	< 4	0.5	12.8	97
66766	3.37	< 0.1	40.5	0.061	57.3	8.1	< 1	1.51	949	< 0.1	< 0.1	14	1.1	117	< 0.1	5.6	0.111	0.28	1.5	31	< 0.1	23.7	112
66767	3.04	1.7	550	0.022	3.5	1.5	< 1	4.98	821	5.0	0.2	33	0.9	101	< 0.1	0.2	0.451	< 0.05	< 0.1	202	< 0.1	13.5	70
66768	1.26	0.5	352	0.020	0.7	1.0	< 1	6.72	1510	1.1	< 0.1	29	0.2	80	< 0.1	1.0	0.316	< 0.05	0.2	169	< 0.1	13.2	77

Analyte Symbol	Na	Nb	Ni	P	Rb	Pb	S	Mg	Mn	Mo	Sb	Sc	Sn	Sr	Ta	Th	Ti	Tl	U	V	W	Y	Zn
Unit Symbol	%	ppm	ppm	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.1	0.1	0.001	0.1	0.1	1	0.01	1	0.1	0.1	1	0.1	1	0.1	0.1	0.001	0.05	0.1	4	0.1	0.1	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
66769	0.017	< 0.1	6.5	0.005	4.1	52.7	< 1	0.03	73	18.2	5.6	< 1	0.6	< 1	< 0.1	0.2	0.021	< 0.05	0.1	9	140	0.7	7
66770	0.018	1.1	5.4	0.010	12.3	21.3	< 1	0.04	263	12.5	4.7	1	0.7	< 1	< 0.1	0.5	0.076	0.07	0.2	14	11.5	2.1	6
66771	0.674	0.2	16.2	0.390	818	8.2	< 1	0.73	3390	155	0.2	4	94.2	105	< 0.1	4.4	0.093	5.58	8.5	50	> 200	7.6	341
66772	0.013	0.6	6.4	0.011	6.8	8.6	< 1	0.02	203	19.0	1.3	< 1	0.7	3	< 0.1	0.2	0.020	< 0.05	0.1	5	5.1	1.4	18
66773	0.046	< 0.1	6.1	0.003	1.5	41.6	< 1	0.08	75	33.6	0.4	< 1	0.8	1	< 0.1	0.1	0.018	< 0.05	< 0.1	< 4	176	2.5	593
66774	0.249	0.1	9.8	0.005	2.0	20.5	< 1	0.27	218	19.9	0.2	2	0.9	6	< 0.1	0.2	0.031	< 0.05	0.1	18	33.0	1.5	38
66775	3.49	11.0	4.2	0.006	73.3	19.6	< 1	0.04	211	9.8	0.3	2	2.4	103	0.4	8.9	0.046	0.35	3.2	< 4	1.5	16.0	21
66776	0.017	0.2	12.0	0.002	1.5	1.0	< 1	< 0.01	96	21.0	2.1	1	0.4	< 1	< 0.1	< 0.1	0.010	< 0.05	0.3	10	1.4	0.3	15
66777	0.005	0.4	56.9	0.004	0.3	2.5	< 1	0.08	108	18.1	1.0	< 1	0.4	3	< 0.1	< 0.1	0.003	< 0.05	0.7	10	0.7	0.6	4
66778	3.28	11.3	3.5	0.043	43.8	16.4	< 1	0.20	334	11.5	0.6	2	2.4	243	1.0	7.1	0.142	0.23	2.4	6	1.0	11.7	40
66779	3.41	12.7	3.8	0.007	55.6	22.6	< 1	0.04	121	12.3	0.3	3	1.0	73	0.4	13.3	0.076	0.14	3.5	7	1.3	26.4	20
66781	0.017	0.3	13.7	0.002	1.2	2430	< 1	0.23	155	19.1	0.7	2	0.7	4	< 0.1	< 0.1	0.013	< 0.05	< 0.1	< 4	0.9	1.1	796
66782	0.040	< 0.1	7.4	0.002	1.7	631	< 1	0.12	115	20.2	0.5	1	0.5	3	< 0.1	< 0.1	0.012	< 0.05	< 0.1	< 4	81.7	0.7	35
66783	0.171	0.3	14.6	0.002	0.3	45.3	< 1	0.19	111	17.9	0.2	1	0.7	3	< 0.1	< 0.1	0.036	< 0.05	< 0.1	8	7.2	0.7	11
66784	0.793	0.6	18.9	0.009	1.5	3.0	< 1	1.15	372	18.5	< 0.1	7	0.7	14	< 0.1	0.3	0.123	< 0.05	< 0.1	66	2.0	2.1	45
66785	1.47	0.2	5.8	0.066	4.6	3.3	< 1	0.52	972	5.6	< 0.1	5	1.0	348	< 0.1	1.1	0.293	< 0.05	0.5	38	< 0.1	17.9	60
66786	0.116	< 0.1	19.7	0.006	1.4	96.5	< 1	0.34	202	17.4	0.2	3	0.5	4	< 0.1	< 0.1	0.048	< 0.05	< 0.1	21	69.8	1.8	19
66787	0.067	0.7	33.1	0.009	3.6	502	< 1	0.67	285	16.1	0.7	5	0.6	6	< 0.1	0.3	0.071	< 0.05	0.1	26	1.5	2.8	20
66788	1.26	0.6	6.4	0.081	9.0	3.4	< 1	1.43	1280	0.7	0.1	10	1.0	361	< 0.1	1.2	0.234	< 0.05	0.5	39	< 0.1	18.6	98
66789	0.016	0.2	6.8	0.002	0.5	1.5	< 1	0.04	44	18.6	0.2	< 1	0.5	3	< 0.1	< 0.1	0.005	< 0.05	< 0.1	< 4	1.2	0.2	5
66790	0.019	0.2	17.4	< 0.001	0.7	59.9	< 1	0.30	166	17.1	0.2	< 1	0.4	8	< 0.1	< 0.1	0.004	< 0.05	< 0.1	6	0.4	0.5	28
66791	0.108	5.8	16.9	0.047	82.2	> 5000	7	2.37	1880	4.3	41.3	5	1.9	18	0.4	5.2	0.139	56.3	2.5	31	1.6	11.9	> 10000
66792	0.023	0.2	33.8	0.001	1.6	105	< 1	0.51	235	16.2	0.2	2	0.7	10	< 0.1	< 0.1	0.009	< 0.05	< 0.1	17	0.5	0.5	62
66793	0.016	0.2	24.9	< 0.001	0.7	21.1	< 1	0.37	174	17.1	0.2	1	0.5	8	< 0.1	< 0.1	0.004	< 0.05	< 0.1	4	0.5	0.8	20
66794	0.003	0.2	5.1	0.003	0.3	0.9	< 1	0.02	42	15.6	0.1	< 1	0.4	< 1	< 0.1	< 0.1	< 0.001	< 0.05	0.8	< 4	0.2	0.2	3
66795	0.097	0.4	68.9	0.002	5.9	855	< 1	0.29	210	14.3	2.9	5	0.9	17	< 0.1	0.1	0.032	< 0.05	< 0.1	18	0.9	1.8	25
66796	0.058	0.3	30.8	0.002	1.9	4.8	< 1	0.11	215	17.8	1.5	2	0.6	20	< 0.1	< 0.1	0.013	< 0.05	< 0.1	7	1.5	1.0	11
66797	0.228	0.6	171	0.004	10.0	153	< 1	1.16	414	15.1	3.2	11	1.3	13	< 0.1	< 0.1	0.089	< 0.05	< 0.1	50	0.8	3.3	101
66798	0.026	0.4	25.1	0.003	2.1	4.5	< 1	0.02	127	17.4	1.8	1	0.6	2	< 0.1	< 0.1	0.021	< 0.05	< 0.1	< 4	0.9	0.5	11
66799	1.22	6.4	5.4	0.010	17.0	7.1	< 1	0.04	155	18.2	0.8	< 1	1.3	32	0.2	3.6	0.010	0.06	1.0	5	1.1	1.6	8
66800	1.15	3.7	5.3	0.004	8.7	4.4	< 1	0.02	57	19.5	0.8	< 1	0.9	27	< 0.1	2.2	0.004	< 0.05	0.7	< 4	0.8	0.9	7
66801	0.966	0.3	9.0	0.138	1.9	4.2	< 1	0.28	528	15.7	< 0.1	3	0.2	75	< 0.1	3.6	0.382	< 0.05	0.4	26	< 0.1	9.9	30
66802	0.273	0.4	7.5	0.012	2.4	6.7	< 1	0.07	243	21.6	0.5	1	0.4	25	< 0.1	0.2	0.023	< 0.05	< 0.1	5	0.5	0.8	11
66803	0.152	2.2	39.4	0.020	0.7	2180	< 1	0.63	344	28.5	0.7	2	0.7	20	< 0.1	0.4	0.100	0.06	0.2	13	4.0	2.8	236
66804	0.055	1.4	46.5	0.012	0.8	1180	< 1	0.69	376	15.3	1.3	2	0.6	28	< 0.1	0.2	0.059	< 0.05	0.1	12	3.2	3.2	180
66805	3.82	4.4	4.8	0.063	22.1	88.0	< 1	0.36	261	9.9	0.3	4	1.8	205	< 0.1	1.6	0.259	0.13	0.5	35	2.7	4.0	55
66806	2.27	0.3	13.1	0.034	5.7	628	< 1	0.15	250	16.5	2.0	2	0.4	48	< 0.1	0.7	0.105	< 0.05	0.6	13	36.8	2.6	624
66807	3.56	< 0.1	9.8	0.049	12.4	14.3	< 1	0.25	299	10.9	1.2	3	1.4	55	< 0.1	1.2	0.181	< 0.05	0.3	23	> 200	5.8	66
66808	3.91	5.9	4.9	0.058	14.4	249	< 1	0.16	171	10.8	0.6	2	1.6	156	< 0.1	1.3	0.230	0.07	0.4	22	24.2	3.4	178
66809	0.635	1.3	5.0	0.010	3.5	181	< 1	0.03	55	16.6	0.2	< 1	0.5	31	< 0.1	0.3	0.038	< 0.05	< 0.1	< 4	2.1	0.8	1580
66810	4.68	7.7	5.2	0.073	16.9	47.5	< 1	0.31	237	9.7	0.7	4	2.2	190	0.4	1.2	0.284	0.10	0.4	41	6.1	3.3	153
66811	4.48	7.4	5.7	0.074	21.6	92.2	< 1	0.28	236	11.7	0.6	4	2.1	227	0.4	1.7	0.271	0.09	0.5	33	6.9	4.2	127

Analyte Symbol	Na	Nb	Ni	P	Rb	Pb	S	Mg	Mn	Mo	Sb	Sc	Sn	Sr	Ta	Th	Ti	Tl	U	V	W	Y	Zn
Unit Symbol	%	ppm	ppm	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.1	0.1	0.001	0.1	0.1	1	0.01	1	0.1	0.1	1	0.1	1	0.1	0.1	0.001	0.05	0.1	4	0.1	0.1	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
66812	3.75	1.9	5.0	0.055	17.4	535	< 1	0.13	102	13.4	0.4	2	1.2	152	< 0.1	1.3	0.210	0.09	0.4	22	3.1	3.2	113
66813	1.88	2.8	20.0	0.023	5.2	48.1	< 1	0.26	205	13.9	0.7	2	1.0	68	< 0.1	0.7	0.092	< 0.05	0.2	16	4.3	2.7	58
66814	2.78	2.2	12.2	0.040	13.6	115	< 1	0.25	203	12.9	0.6	2	1.2	95	< 0.1	0.9	0.153	0.07	0.3	22	15.3	3.3	37
66815	0.037	0.2	29.5	0.001	0.3	1.4	< 1	0.05	41	21.0	0.1	< 1	0.3	1	< 0.1	< 0.1	0.001	< 0.05	< 0.1	< 4	0.3	< 0.1	5
66816	3.72	2.9	7.1	0.068	32.1	55.7	< 1	0.43	335	7.7	0.4	4	3.4	136	< 0.1	1.0	0.254	0.17	0.4	45	38.6	3.9	52
66817	0.026	1.4	15.8	0.004	5.3	0.9	< 1	0.02	259	19.0	4.0	< 1	0.5	3	< 0.1	0.2	0.041	< 0.05	0.2	< 4	2.7	1.7	9
66819	0.039	< 0.1	7.5	0.001	1.1	2.0	< 1	< 0.01	45	18.1	1.5	< 1	0.2	5	< 0.1	< 0.1	0.002	< 0.05	< 0.1	< 4	< 0.1	0.1	3
66820	0.625	2.5	17.2	0.034	23.4	5.0	< 1	0.56	351	14.5	0.3	3	1.3	38	< 0.1	2.3	0.208	0.10	0.9	20	26.6	6.2	33
66821	0.520	1.8	15.5	0.019	6.5	1.3	< 1	0.21	207	18.6	0.2	2	1.2	12	0.1	0.9	0.057	< 0.05	0.2	9	4.4	2.9	21
66822	0.056	0.3	11.2	< 0.001	9.0	3.1	< 1	0.38	341	15.8	0.2	1	0.6	18	< 0.1	< 0.1	0.012	< 0.05	< 0.1	9	1.7	1.0	17
66823	0.640	1.5	20.0	0.013	1.5	2.5	< 1	0.69	439	30.1	0.6	5	0.8	17	< 0.1	0.2	0.159	< 0.05	0.1	29	32.7	2.2	28
66824	0.653	1.5	14.9	0.014	0.9	2.4	< 1	0.77	397	11.8	0.6	6	0.7	14	< 0.1	0.2	0.177	< 0.05	0.1	32	21.4	3.2	32
66825	2.04	1.7	507	0.027	66.8	4.0	< 1	3.24	2200	3.4	1.4	32	2.7	212	< 0.1	0.5	0.430	0.66	0.4	168	41.2	10.4	91
67001	1.70	0.9	59.7	0.148	38.0	10.9	< 1	4.24	2040	0.2	< 0.1	23	1.9	464	< 0.1	17.3	0.444	0.14	2.5	149	< 0.1	30.2	118
67002	2.18	0.5	66.2	0.023	8.6	1.6	< 1	3.48	981	0.6	0.2	32	0.2	54	< 0.1	0.7	0.323	0.07	0.3	154	< 0.1	15.1	62
67003	2.72	1.7	52.7	0.027	5.8	1.7	< 1	4.09	1050	1.8	0.3	37	0.5	80	< 0.1	0.7	0.442	0.08	0.4	212	0.2	20.0	71
67004	1.78	3.0	79.5	0.028	9.5	2.0	< 1	5.29	999	2.6	1.1	41	0.7	128	0.2	0.8	0.466	0.07	0.4	219	0.3	19.1	64
67005	0.985	0.5	710	0.014	13.3	0.9	< 1	6.18	1800	2.8	0.5	42	0.5	101	< 0.1	0.2	0.310	0.07	0.2	176	< 0.1	16.1	94
67006	1.94	2.3	4.4	0.003	208	76.9	< 1	0.05	94	8.0	0.1	< 1	0.7	39	< 0.1	22.6	0.022	1.68	31.9	4	0.3	4.8	7
67007	3.26	< 0.1	59.9	0.023	9.0	1.6	< 1	4.01	1330	0.2	< 0.1	41	0.2	69	< 0.1	0.7	0.242	< 0.05	0.4	166	< 0.1	19.3	71
67008	3.07	0.1	88.6	0.047	12.7	3.1	1	4.45	1070	< 0.1	< 0.1	39	1.3	55	< 0.1	0.9	0.403	< 0.05	0.6	182	< 0.1	20.2	72
67009	3.67	16.4	3.6	0.007	77.2	15.1	< 1	0.06	240	11.5	0.4	3	4.3	67	0.6	13.7	0.059	0.40	4.5	< 4	1.3	30.6	46
67010	0.399	0.5	11.1	0.008	5.2	1.0	< 1	0.35	460	12.4	0.6	5	0.4	11	< 0.1	0.3	0.083	< 0.05	0.2	37	0.2	6.8	13
67011	0.028	0.3	8.1	0.003	0.9	< 0.1	< 1	0.20	280	14.3	0.3	2	< 0.1	15	< 0.1	0.1	0.017	< 0.05	< 0.1	22	0.1	1.5	6
67012	0.010	0.3	10.7	0.002	2.2	0.4	< 1	0.15	50	17.9	0.1	< 1	0.3	11	< 0.1	0.3	0.010	< 0.05	< 0.1	< 4	0.2	0.3	2
67013	4.17	9.4	5.8	0.040	19.0	5.6	< 1	0.40	1260	12.4	1.7	6	1.8	406	0.3	6.3	0.192	0.17	1.8	43	1.0	15.1	68
67014	0.068	0.3	17.5	0.004	2.9	1880	< 1	0.24	139	20.5	0.4	2	0.5	6	< 0.1	< 0.1	0.028	< 0.05	< 0.1	14	0.5	1.0	11
67015	0.023	3.3	357	0.041	25.5	28.6	> 10.0	1.14	830	8.0	4.7	16	2.0	3	0.2	0.9	0.322	0.14	1.0	137	1.1	9.3	209
67016	1.86	0.2	85.9	0.028	7.0	3.3	< 1	4.36	1130	0.8	< 0.1	42	0.2	61	< 0.1	0.9	0.379	0.05	0.3	201	< 0.1	19.3	93
67017	0.765	3.0	5.1	0.004	5.8	87.4	< 1	0.09	145	15.6	0.4	2	0.9	12	< 0.1	2.0	0.040	< 0.05	0.4	7	0.6	5.7	27
67018	0.068	0.2	5.4	0.001	0.4	1.1	< 1	0.11	140	17.5	0.2	1	0.3	6	< 0.1	< 0.1	0.012	< 0.05	< 0.1	< 4	0.8	1.0	9
67019	1.78	0.8	15.9	0.050	51.8	2.5	1	2.22	693	2.8	< 0.1	28	0.9	175	< 0.1	0.5	0.571	0.32	0.4	241	< 0.1	12.1	70
67020	0.937	2.4	72.0	0.069	86.7	5.7	2	1.05	3140	125	2.3	13	5.4	99	< 0.1	4.0	0.392	0.24	28.7	182	34.6	18.2	16
67021	3.63	5.5	12.4	0.047	52.2	2.1	< 1	0.74	468	3.6	1.1	7	0.8	177	0.4	0.6	0.404	0.55	0.3	66	0.8	7.7	29
67022	2.27	0.7	7.6	0.023	28.3	1.0	< 1	0.07	158	15.2	0.4	4	0.4	58	< 0.1	0.3	0.174	0.17	0.2	20	0.1	4.1	8
67023	1.29	3.8	17.6	0.082	79.1	3.0	< 1	1.61	1090	2.5	0.6	22	1.2	158	0.2	0.6	0.715	0.54	0.5	191	0.8	17.1	50
67024	2.46	3.4	10.9	0.035	25.3	3.3	< 1	2.64	1340	4.6	0.5	19	1.1	325	0.2	0.3	0.595	0.18	0.3	197	0.4	7.5	119
67025	1.78	2.3	17.9	0.088	7.1	2.4	< 1	1.85	1370	0.5	0.3	29	1.4	346	< 0.1	1.6	0.392	< 0.05	0.6	104	< 0.1	20.4	64
67026	0.580	2.7	69.8	0.025	6.1	2.5	2	3.71	1560	2.7	0.8	31	2.0	56	0.2	< 0.1	0.721	0.21	0.1	375	1.2	4.2	106
67027	0.820	2.2	59.1	0.089	8.6	5.0	3	0.96	1110	5.6	< 0.1	21	2.2	338	< 0.1	1.3	0.658	0.11	2.9	172	< 0.1	25.8	104
67251	4.65	10.8	2.5	0.007	95.9	24.9	< 1	0.02	171	6.7	< 0.1	< 1	2.8	76	0.3	8.3	0.007	0.74	2.3	< 4	0.6	3.3	157
67252	0.102	0.5	29.0	0.015	13.1	0.6	< 1	0.43	196	22.2	0.8	2	0.4	31	< 0.1	0.2	0.045	0.05	0.1	11	1.5	1.4	11

Analyte Symbol	Na	Nb	Ni	P	Rb	Pb	S	Mg	Mn	Mo	Sb	Sc	Sn	Sr	Ta	Th	Ti	Tl	U	V	W	Y	Zn
Unit Symbol	%	ppm	ppm	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.1	0.1	0.001	0.1	0.1	1	0.01	1	0.1	0.1	1	0.1	1	0.1	0.1	0.001	0.05	0.1	4	0.1	0.1	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
67253	1.07	0.1	7.4	0.093	75.5	6.1	< 1	2.06	522	2.9	< 0.1	21	0.6	290	< 0.1	2.1	0.365	0.37	1.0	143	< 0.1	9.3	71
67254	2.46	1.0	13.2	0.118	105	6.8	< 1	2.69	1270	2.0	< 0.1	22	0.8	377	< 0.1	2.9	0.468	0.48	0.8	148	< 0.1	19.6	104
67255	1.62	1.0	60.3	0.055	84.4	8.2	< 1	3.31	1250	1.0	< 0.1	30	1.1	140	< 0.1	2.4	0.389	0.42	0.9	184	< 0.1	14.2	90
67256	1.23	4.5	134	0.089	15.3	9.0	3	2.64	1590	49.9	< 0.1	24	3.5	185	0.2	0.8	0.628	0.13	2.1	211	0.7	15.5	3040
67257	3.32	1.9	3.4	0.135	34.2	8.6	< 1	1.26	1020	2.0	< 0.1	30	1.5	281	< 0.1	7.8	0.666	0.20	2.1	154	< 0.1	23.8	70
67258	0.034	0.2	24.3	0.001	2.6	8.5	< 1	0.10	66	22.2	1.1	< 1	0.4	9	< 0.1	< 0.1	0.016	< 0.05	< 0.1	5	1.3	0.2	14
67259	0.013	0.9	533	0.013	0.7	2.2	< 1	6.93	1120	5.6	1.4	18	0.7	287	< 0.1	0.2	0.194	< 0.05	2.4	89	0.9	4.2	59
67260	0.064	2.7	753	0.035	50.8	2.7	< 1	7.22	1010	6.6	6.4	18	1.5	178	0.2	0.3	0.467	0.29	0.9	131	4.5	6.8	54
67261	0.067	0.8	76.3	0.002	17.0	179	1	0.12	53	19.1	1.9	3	1.1	9	< 0.1	0.2	0.107	0.08	0.3	24	5.3	0.9	37
67262	0.415	0.2	126	0.021	0.4	0.9	< 1	4.35	1280	1.0	< 0.1	37	0.2	295	< 0.1	0.7	0.287	< 0.05	11.9	186	< 0.1	14.6	66
67263	0.009	0.2	3.5	0.012	1.6	1.7	< 1	4.56	1970	5.6	0.4	< 1	0.2	97	< 0.1	< 0.1	0.009	< 0.05	0.4	7	0.2	4.1	24
67264	0.006	0.3	6.6	0.002	1.2	0.5	< 1	0.24	167	8.6	< 0.1	< 1	1.4	33	< 0.1	0.2	0.003	< 0.05	< 0.1	< 4	0.3	0.8	5
67265	0.016	0.3	6.1	0.005	0.4	1.3	< 1	0.02	73	15.6	0.3	< 1	0.3	1	< 0.1	< 0.1	0.007	< 0.05	0.3	< 4	0.5	0.5	4
67266	0.013	1.3	12.1	0.065	5.8	1.5	< 1	6.65	1110	1.8	< 0.1	< 1	0.2	107	< 0.1	0.6	0.030	< 0.05	0.3	7	0.2	2.4	24
67267	5.18	5.7	3.0	0.036	13.3	124	< 1	0.11	273	8.4	0.2	3	0.8	64	0.1	2.6	0.204	0.06	0.9	9	25.0	5.4	303
67268	0.074	0.6	9.5	0.371	4.4	2.8	< 1	1.81	2820	5.8	1.1	1	1.3	51	< 0.1	0.1	0.023	< 0.05	0.3	33	1.0	14.6	69
67269	0.715	< 0.1	7.1	0.018	17.0	1.6	< 1	0.10	191	9.0	0.2	5	0.7	20	< 0.1	0.6	0.104	0.06	0.3	13	< 0.1	6.5	14
67270	1.58	6.1	52.2	0.051	32.9	63.8	2	2.26	862	7.3	1.3	23	2.8	115	0.3	1.9	0.514	0.29	1.5	145	0.9	17.7	441
67271	0.016	0.2	321	0.312	0.6	15.1	< 1	5.86	2500	0.1	< 0.1	23	0.2	1690	< 0.1	53.7	0.314	< 0.05	14.4	104	< 0.1	58.1	160
67272	3.33	0.3	154	0.113	32.4	6.3	< 1	2.49	1020	0.1	< 0.1	23	1.2	317	< 0.1	11.6	0.370	0.19	3.4	62	< 0.1	22.4	121
67273	2.42	5.8	10.2	0.094	12.7	1.6	2	2.52	965	0.5	< 0.1	30	1.4	51	< 0.1	3.5	0.614	0.21	1.0	115	< 0.1	40.5	122
67274	0.078	1.5	1030	0.013	2.7	0.2	< 1	14.5	1400	1.0	0.1	23	0.3	7	< 0.1	0.4	0.230	< 0.05	< 0.1	93	0.1	7.0	83

Analyte Symbol	Zr
Unit Symbol	ppm
Lower Limit	0.1
Method Code	TD-MS
66251	49.8
66252	18.1
66253	106
66254	56.7
66255	51.7
66256	46.6
66257	111
66258	8.2
66259	29.7
66260	30.3
66261	87.6
66264	6.1
66265	6.9
66266	30.1
66267	26.3
66268	10.6
66269	30.9
66270	55.8
66271	93.4
66272	47.1
66273	37.0
66274	0.9
66275	2.8
66276	24.3
66277	91.8
66278	103
66280	98.7
66282	11.2
66283	4.2
66284	81.1
66285	1.0
66286	63.2
66287	29.1
66288	15.2
66289	24.0
66290	44.2
66291	60.0
66292	10.2
66293	6.8
66294	93.3
66295	29.7
66501	3.9

Analyte Symbol	Zr
Unit Symbol	ppm
Lower Limit	0.1
Method Code	TD-MS
66502	31.4
66503	98.4
66504	68.8
66505	74.6
66506	101
66507	629
66508	45.3
66509	19.9
66510	56.5
66511	2.1
66512	1.6
66513	20.4
66514	2.6
66515	14.0
66516	49.6
66517	128
66518	102
66519	91.6
66520	47.2
66521	30.2
66522	50.3
66523	63.5
66525	3.8
66526	69.0
66751	183
66752	7.2
66753	3.6
66754	2.9
66755	17.0
66756	5.1
66757	1.1
66758	17.1
66759	84.0
66760	72.3
66761	79.8
66762	14.2
66763	87.5
66764	85.6
66765	68.3
66766	73.7
66767	38.0
66768	42.1

Analyte Symbol	Zr
Unit Symbol	ppm
Lower Limit	0.1
Method Code	TD-MS
66769	6.2
66770	18.5
66771	3.1
66772	5.1
66773	3.0
66774	5.6
66775	108
66776	0.9
66777	23.2
66778	199
66779	134
66781	2.6
66782	2.1
66783	2.9
66784	14.7
66785	19.5
66786	3.9
66787	8.4
66788	61.7
66789	0.7
66790	0.9
66791	76.5
66792	1.0
66793	0.6
66794	36.8
66795	2.8
66796	1.5
66797	7.4
66798	2.1
66799	19.8
66800	14.3
66801	2.0
66802	2.6
66803	2.5
66804	5.9
66805	102
66806	2.8
66807	71.4
66808	99.2
66809	11.2
66810	134
66811	128

Analyte Symbol	Zr
Unit Symbol	ppm
Lower Limit	0.1
Method Code	TD-MS
66812	31.3
66813	6.6
66814	24.7
66815	0.8
66816	126
66817	11.0
66819	0.7
66820	18.5
66821	23.0
66822	1.2
66823	20.2
66824	20.6
66825	50.3
67001	161
67002	34.4
67003	33.9
67004	29.9
67005	16.6
67006	58.4
67007	39.5
67008	60.9
67009	145
67010	10.2
67011	2.3
67012	4.2
67013	207
67014	4.0
67015	45.9
67016	33.6
67017	26.4
67018	1.7
67019	40.6
67020	124
67021	79.9
67022	21.8
67023	35.1
67024	28.6
67025	29.2
67026	17.6
67027	88.1
67251	70.8
67252	2.9

Analyte Symbol	Zr
Unit Symbol	ppm
Lower Limit	0.1
Method Code	TD-MS
67253	63.0
67254	90.8
67255	48.9
67256	59.1
67257	155
67258	1.9
67259	20.6
67260	35.9
67261	9.4
67262	40.2
67263	3.2
67264	10.4
67265	6.9
67266	6.5
67267	101
67268	2.5
67269	10.0
67270	135
67271	17.3
67272	25.1
67273	157
67274	23.5

Analyte Symbol	Te	Cu	Pb	Zn	Al	Ag	As	Au	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Cs	Fe	Hf	K	La	Li
Unit Symbol	ppm	%	%	%	%	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm
Lower Limit	0.1	0.005	0.01	0.01	0.01	0.1	1	100	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.1	0.01	0.1	0.01	0.1	0.1
Method Code	TD-MS	FUS-Na2O2	FUS-Na2O2	FUS-Na2O2	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	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-1 Meas	9.9				2.12	31.2	463	> 2000	607	< 1	1280	1.01	2.6	15	7.5	15	1200	2.7	25.9	0.1	0.04	8.0	7.8
GXR-1 Cert	13.0				3.52	31.0	427	3300	750	1.22	1380	0.960	3.30	17.0	8.20	12.0	1110	3.00	23.6	0.960	0.050	7.50	8.20
GXR-1 Meas	8.9				2.00	28.5	436	> 2000	594	< 1	1220	0.93	2.5	14	7.2	18	1110	2.5	24.3	0.3	0.04	7.5	7.2
GXR-1 Cert	13.0				3.52	31.0	427	3300	750	1.22	1380	0.960	3.30	17.0	8.20	12.0	1110	3.00	23.6	0.960	0.050	7.50	8.20
DH-1a Meas																							
DH-1a Cert																							
DH-1a Meas																							
DH-1a Cert																							
GXR-4 Meas	0.9				6.12	3.2	104	300	89	2	17.3	1.03	0.2	102	13.0	49	6160	2.5	3.02	1.1	4.09	57.8	10.6
GXR-4 Cert	0.970				7.20	4.0	98.0	500	1640	1.90	19.0	1.01	0.860	102	14.6	64.0	6520	2.80	3.09	6.30	4.01	64.5	11.1
GXR-4 Meas					6.81	3.5	101	400	88	2	17.5	0.94	< 0.1	109	15.1	60	6600	2.5	3.25	1.3	3.39	56.0	10.8
GXR-4 Cert					7.20	4.0	98.0	500	1640	1.90	19.0	1.01	0.860	102	14.6	64.0	6520	2.80	3.09	6.30	4.01	64.5	11.1
PTM-1a Meas		23.7																					
PTM-1a Cert		24.96																					
SDC-1 Meas					6.43		< 1		501	2		0.87		67	14.3	55	26.6	3.2	4.19	1.1	1.87	28.2	30.5
SDC-1 Cert					8.34		0.220		630	3.00		1.00		93.00	18.0	64.00	30.000	4.00	4.82	8.30	2.72	42.00	34.0
SDC-1 Meas					7.90		< 1		571	3		1.03		82	16.5	50	29.7	3.7	4.59	0.9	2.10	41.4	33.7
SDC-1 Cert					8.34		0.220		630	3.00		1.00		93.00	18.0	64.00	30.000	4.00	4.82	8.30	2.72	42.00	34.0
GXR-6 Meas	< 0.1				11.9	0.2	262	< 100	1210	1	0.2	0.17	< 0.1	32	11.9	54	65.8	3.8	5.34	2.2	1.81	12.7	32.4
GXR-6 Cert	0.0180				17.7	1.30	330	95.0	1300	1.40	0.290	0.180	1.00	36.0	13.8	96.0	66.0	4.20	5.58	4.30	1.87	13.9	32.0
GXR-6 Meas	< 0.1				12.6	0.2	241	< 100	1250	1	0.2	0.18	< 0.1	33	13.0	64	73.0	4.0	5.62	1.9	1.81	13.1	34.4
GXR-6 Cert	0.0180				17.7	1.30	330	95.0	1300	1.40	0.290	0.180	1.00	36.0	13.8	96.0	66.0	4.20	5.58	4.30	1.87	13.9	32.0
Oreas 74a (Fusion) Meas		0.123																					
Oreas 74a (Fusion) Cert		0.124																					
OREAS 134b (Fusion) Meas		0.134	13.0	17.4																			
OREAS 134b (Fusion) Cert		0.134	13.20	18.12																			
MP-1b Meas		3.07	2.05	16.1																			
MP-1b Cert		3.07	2.09	16.7																			
DNC-1a Meas									97						51.3	233	97.6					3.9	4.4
DNC-1a Cert									118						57	270	100					3.6	5.2
DNC-1a Meas									99						54.7	184	103					3.9	4.7
DNC-1a Cert									118						57	270	100					3.6	5.2
CPB-2 Meas		0.123	62.3	5.94																			
CPB-2 Cert		0.1213	63.52	6.04																			
CZN-4 Meas		0.409	0.18	53.6																			
CZN-4 Cert		0.403	0.1861	55.07																			
SBC-1 Meas							22		303	3	0.7		0.3	105	23.2	95	24.0	7.6		3.5		48.6	184
SBC-1 Cert							25.7		788.0	3.20	0.70		0.40	108.0	22.7	109	31.0000	8.2		3.7		52.5	163

Analyte Symbol	Te	Cu	Pb	Zn	Al	Ag	As	Au	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Cs	Fe	Hf	K	La	Li
Unit Symbol	ppm	%	%	%	%	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm
Lower Limit	0.1	0.005	0.01	0.01	0.01	0.1	1	100	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.1	0.01	0.1	0.01	0.1	0.1
Method Code	TD-MS	FUS-Na2O2	FUS-Na2O2	FUS-Na2O2	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	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 Meas							21		291	3	0.6		0.3	98	19.5	79	27.0	7.3		3.0		50.0	151
SBC-1 Cert							25.7		788.0	3.20	0.70		0.40	108.0	22.7	109	31.0000	8.2		3.7		52.5	163
OREAS 45d (4-Acid) Meas					7.80		5		170	< 1	0.3	0.19		36	27.1	523	386	3.5	14.4	2.4	0.40	17.7	20.6
OREAS 45d (4-Acid) Cert					8.150		13.8		183.0	0.79	0.31	0.185		37.20	29.50	549	371	3.910	14.5	3.830	0.412	16.9	21.5
OREAS 45d (4-Acid) Meas					7.32		7		166	< 1	0.3	0.20		34	26.9	551	377	3.5	13.9	2.2	0.41	17.0	20.1
OREAS 45d (4-Acid) Cert					8.150		13.8		183.0	0.79	0.31	0.185		37.20	29.50	549	371	3.910	14.5	3.830	0.412	16.9	21.5
PTC-1b Meas		7.80	0.08	0.21																			
PTC-1b Cert		7.97	0.08	0.2083																			
SdAR-M2 (U.S.G.S.) Meas									962	7	0.9		5.2	95	12.3	42	254	1.7		1.7		47.8	17.4
SdAR-M2 (U.S.G.S.) Cert									990	6.6	1.05		5.1	98.8	12.4	49.6	236.0000	1.82		7.29		46.6	17.9
SdAR-M2 (U.S.G.S.) Meas									952	7	1.0		5.5	90	12.8	49	261	1.7		3.8		43.8	18.0
SdAR-M2 (U.S.G.S.) Cert									990	6.6	1.05		5.1	98.8	12.4	49.6	236.0000	1.82		7.29		46.6	17.9
CCU-1e Meas			0.71	3.01																			
CCU-1e Cert			0.703	3.02																			
66251 Orig	< 0.1				2.63	< 0.1	11	< 100	352	< 1	< 0.1	12.3	0.1	15	47.8	930	94.1	0.5	5.35	1.2	0.93	6.3	4.7
66251 Dup	< 0.1				2.58	< 0.1	14	< 100	358	< 1	< 0.1	12.3	< 0.1	14	48.0	956	92.5	0.6	5.39	1.2	0.91	5.9	4.8
66293 Orig	< 0.1				3.94	< 0.1	< 1	< 100	84	< 1	< 0.1	2.66	< 0.1	13	12.3	161	28.5	0.3	3.61	0.2	0.49	6.1	4.7
66293 Dup	< 0.1				4.14	< 0.1	< 1	< 100	88	< 1	< 0.1	2.82	< 0.1	13	13.0	181	20.2	0.3	3.81	0.2	0.51	6.1	5.1
66295 Orig					1.78	3.7	3	1800	10	< 1	0.8	7.94	0.5	10	196	40	5080	1.5	22.8	0.7	0.06	6.5	1.0
66295 Dup					1.77	3.7	2	1700	10	< 1	0.7	7.86	0.5	8	182	39	4980	1.4	22.5	0.7	0.06	5.1	1.0
66761 Orig	< 0.1				6.20	< 0.1	8	< 100	478	2	0.5	0.35	< 0.1	21	1.3	105	35.3	0.2	0.84	3.2	2.68	9.2	1.1
66761 Dup	< 0.1				5.93	< 0.1	7	200	631	2	0.5	0.38	< 0.1	18	1.4	110	40.6	0.2	0.87	3.5	2.74	8.3	1.2
66766 Orig	< 0.1				7.95	< 0.1	4	< 100	504	1	0.3	0.96	0.2	37	13.1	94	7.2	0.6	4.36	1.8	1.94	16.9	23.2
66766 Dup	< 0.1				8.26	< 0.1	5	< 100	541	2	0.3	1.02	0.3	39	13.7	111	7.9	0.6	4.54	2.1	1.89	17.7	24.1
66798 Orig	< 0.1				0.16	< 0.1	15	< 100	19	< 1	7.9	0.09	< 0.1	< 1	2.3	283	13.6	< 0.1	0.43	< 0.1	0.07	0.2	0.3
66798 Dup	< 0.1				0.16	< 0.1	14	< 100	19	< 1	7.6	0.09	< 0.1	< 1	2.4	271	8.5	< 0.1	0.44	< 0.1	0.07	0.2	0.3
66808 Orig	0.4				4.50	3.0	7	< 100	401	1	7.2	0.35	3.8	17	3.8	137	52.4	0.2	1.61	2.6	0.63	8.6	5.3
66808 Dup	0.4				4.95	3.0	8	< 100	425	1	7.1	0.35	3.9	20	4.0	140	54.7	0.2	1.65	2.4	0.64	10.4	5.4
66810 Orig	< 0.1				5.13	0.2	7	< 100	416	1	1.2	0.55	2.9	14	6.0	154	72.0	0.2	2.33	3.6	0.97	6.2	7.2
66810 Dup	< 0.1				6.61	0.3	6	< 100	254	2	1.2	0.60	2.9	25	6.1	117	72.6	0.2	2.36	3.7	1.01	12.5	7.3
67013 Orig	< 0.1				7.08	< 0.1	< 1	< 100	440	5	< 0.1	2.40	0.2	47	7.8	135	31.6	0.2	3.43	4.9	1.30	21.6	7.9
67013 Dup	< 0.1				6.04	< 0.1	< 1	< 100	394	4	< 0.1	2.28	0.1	45	7.9	134	30.9	0.2	3.31	4.6	1.21	21.4	7.6
67261 Orig	0.3				1.13	21.8	96	200	48	< 1	6.0	0.03	< 0.1	2	8.0	600	7400	0.2	2.17	0.2	0.49	0.7	0.8
67261 Dup	0.2				1.17	22.4	99	200	49	< 1	6.2	0.03	0.2	2	8.0	590	7730	0.3	2.24	0.2	0.51	0.8	0.8

Analyte Symbol	Te	Cu	Pb	Zn	Al	Ag	As	Au	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Cs	Fe	Hf	K	La	Li
Unit Symbol	ppm	%	%	%	%	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm
Lower Limit	0.1	0.005	0.01	0.01	0.01	0.1	1	100	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.1	0.01	0.1	0.01	0.1	0.1
Method Code	TD-MS	FUS-Na2O2	FUS-Na2O2	FUS-Na2O2	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
67274 Orig					3.55	< 0.1	< 1	< 100	17	< 1	< 0.1	4.46	< 0.1	6	85.6	2440	51.8	0.2	8.37	0.6	0.03	2.5	11.8
67274 Dup					3.59	< 0.1	< 1	< 100	16	< 1	< 0.1	4.38	< 0.1	6	86.6	2260	50.6	0.2	8.37	0.6	0.03	2.5	12.0
Method Blank					< 0.01	< 0.1	< 1	< 100	< 1	< 1	< 0.1	< 0.01	< 0.1	< 1	< 0.2	4	< 0.1	< 0.1	< 0.01	< 0.1	< 0.01	< 0.1	< 0.1
Method Blank					< 0.01	< 0.1	< 1	< 100	< 1	< 1	< 0.1	< 0.01	< 0.1	< 1	< 0.2	3	0.1	< 0.1	< 0.01	< 0.1	< 0.01	< 0.1	< 0.1
Method Blank					< 0.01	< 0.1	< 1	< 100	< 1	< 1	< 0.1	< 0.01	< 0.1	< 1	< 0.2	4	0.1	< 0.1	< 0.01	< 0.1	< 0.01	< 0.1	< 0.1
Method Blank					0.01	< 0.1	< 1	< 100	< 1	< 1	< 0.1	< 0.01	< 0.1	< 1	< 0.2	2	< 0.1	< 0.1	< 0.01	< 0.1	< 0.01	< 0.1	< 0.1
Method Blank					0.01	< 0.1	< 1	< 100	< 1	< 1	< 0.1	< 0.01	< 0.1	< 1	< 0.2	2	< 0.1	< 0.1	< 0.01	< 0.1	< 0.01	< 0.1	< 0.1
Method Blank					< 0.01	< 0.1	< 1	< 100	< 1	< 1	< 0.1	< 0.01	< 0.1	< 1	< 0.2	4	< 0.1	< 0.1	< 0.01	< 0.1	< 0.01	< 0.1	< 0.1
Method Blank	< 0.1																						
Method Blank	< 0.1																						
Method Blank	< 0.1																						
Method Blank	< 0.1																						
Method Blank	< 0.1																						
Method Blank	< 0.1																						
Method Blank		< 0.005	< 0.01	< 0.01																			
Method Blank		< 0.005	< 0.01	< 0.01																			

Analyte Symbol	Na	Nb	Ni	P	Rb	Pb	S	Mg	Mn	Mo	Sb	Sc	Sn	Sr	Ta	Th	Ti	Tl	U	V	W	Y	Zn
Unit Symbol	%	ppm	ppm	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.1	0.1	0.001	0.1	0.1	1	0.01	1	0.1	0.1	1	0.1	1	0.1	0.1	0.001	0.05	0.1	4	0.1	0.1	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-1 Meas	0.049	0.6	45.3	0.061	2.9	732	< 1	0.22	911	19.2	25.8	1	26.2	308	< 0.1	2.5	0.027	0.37	34.3	79	146	30.5	851
GXR-1 Cert	0.0520	0.800	41.0	0.0650	14.0	730	0.257	0.217	852	18.0	122	1.58	54.0	275	0.175	2.44	0.036	0.390	34.9	80.0	164	32.0	760
GXR-1 Meas	0.045	0.5	40.9	0.058	2.7	679	< 1	0.21	877	18.1	36.6	1	27.2	294	< 0.1	2.4	0.024	0.35	31.6	74	144	29.6	822
GXR-1 Cert	0.0520	0.800	41.0	0.0650	14.0	730	0.257	0.217	852	18.0	122	1.58	54.0	275	0.175	2.44	0.036	0.390	34.9	80.0	164	32.0	760
DH-1a Meas																791			2280				
DH-1a Cert																910			2629				
DH-1a Meas																829			2290				
DH-1a Cert																910			2629				
GXR-4 Meas	0.567	9.5	41.1	0.138	139	46.2	2	1.72	169	328	4.2	7	7.1	203	0.6	19.9	0.289	3.13	6.3	81	33.9	13.3	73
GXR-4 Cert	0.564	10.0	42.0	0.120	160	52.0	1.77	1.66	155	310	4.80	7.70	5.60	221	0.790	22.5	0.29	3.20	6.20	87.0	30.8	14.0	73.0
GXR-4 Meas	0.556	10.6	40.1	0.140	155	50.2	2	1.76	166	339	4.3	7	7.0	205	0.7	19.9	0.288	3.32	8.2	88	38.5	12.6	69
GXR-4 Cert	0.564	10.0	42.0	0.120	160	52.0	1.77	1.66	155	310	4.80	7.70	5.60	221	0.790	22.5	0.29	3.20	6.20	87.0	30.8	14.0	73.0
PTM-1a Meas																							
PTM-1a Cert																							
SDC-1 Meas	1.41	< 0.1	31.4	0.051	77.4	21.0		0.86	754		< 0.1	12	0.6	143	< 0.1	8.4	0.219	0.52	2.1	48	< 0.1		95
SDC-1 Cert	1.52	21.00	38.0	0.0690	127.00	25.00		1.02	880.00		0.54	17.00	3.00	180.00	1.20	12.00	0.606	0.70	3.10	102.00	0.80		103.00
SDC-1 Meas	1.58	< 0.1	35.1	0.055	91.2	23.5		0.99	846		< 0.1	14	0.3	166	< 0.1	11.4	0.162	0.58	2.9	41	< 0.1		108
SDC-1 Cert	1.52	21.00	38.0	0.0690	127.00	25.00		1.02	880.00		0.54	17.00	3.00	180.00	1.20	12.00	0.606	0.70	3.10	102.00	0.80		103.00
GXR-6 Meas	0.096	0.3	25.2	0.033	74.7	97.0	< 1	0.58	987	1.0	1.0	24	0.9	36	< 0.1	4.7		2.04	1.4	131	< 0.1	11.4	122
GXR-6 Cert	0.104	7.50	27.0	0.0350	90.0	101	0.0160	0.609	1010	2.40	3.60	27.6	1.70	35.0	0.485	5.30		2.20	1.54	186	1.90	14.0	118
GXR-6 Meas	0.106	0.2	26.6	0.034	74.3	103	< 1	0.63	1070	0.5	0.8	25	0.8	35	< 0.1	4.9		2.16	1.5	111	< 0.1	12.6	134
GXR-6 Cert	0.104	7.50	27.0	0.0350	90.0	101	0.0160	0.609	1010	2.40	3.60	27.6	1.70	35.0	0.485	5.30		2.20	1.54	186	1.90	14.0	118
Oreas 74a (Fusion) Meas																							
Oreas 74a (Fusion) Cert																							
OREAS 134b (Fusion) Meas																							
OREAS 134b (Fusion) Cert																							
MP-1b Meas																							
MP-1b Cert																							
DNC-1a Meas		1.5	269		3.3	6.1					0.9	30		137			0.296			132		15.4	65
DNC-1a Cert		3	247		5	6.3					0.96	31		144			0.29			148		18.0	70
DNC-1a Meas		1.4	283		3.5	16.6					0.3	31		145			0.313			136		17.2	67
DNC-1a Cert		3	247		5	6.3					0.96	31		144			0.29			148		18.0	70
CPB-2 Meas																							
CPB-2 Cert																							
CZN-4 Meas																							
CZN-4 Cert																							
SBC-1 Meas		11.6	87.0		167	37.6				2.1	1.1	20	3.1	172	0.7	15.8	0.538	0.93	5.9	221	1.8	28.9	198
SBC-1 Cert		15.3	82.8		147	35.0				2.4	1.01	20.0	3.3	178.0	1.10	15.8	0.51	0.89	5.76	220.0	1.60	36.5	186
SBC-1 Meas		10.5	85.0		133	34.8				1.9	1.0	19	3.1	163	0.6	14.5	0.489	0.81	5.5	188	1.3	29.3	185

Analyte Symbol	Na	Nb	Ni	P	Rb	Pb	S	Mg	Mn	Mo	Sb	Sc	Sn	Sr	Ta	Th	Ti	Tl	U	V	W	Y	Zn
Unit Symbol	%	ppm	ppm	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.1	0.1	0.001	0.1	0.1	1	0.01	1	0.1	0.1	1	0.1	1	0.1	0.1	0.001	0.05	0.1	4	0.1	0.1	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		15.3	82.8		147	35.0				2.4	1.01	20.0	3.3	178.0	1.10	15.8	0.51	0.89	5.76	220.0	1.60	36.5	186
OREAS 45d (4-Acid) Meas	0.097	< 0.1	240	0.034	41.0	21.1	< 1	0.24	486	0.1	< 0.1	49	0.3	29	< 0.1	14.4	0.304	0.23	2.9	115	< 0.1	10.9	41
OREAS 45d (4-Acid) Cert	0.101	14.50	231.0	0.042	42.1	21.8	0.049	0.245	490.000	2.500	0.82	49.30	2.78	31.30	1.02	14.5	0.773	0.27	2.63	235.0	1.62	9.53	45.7
OREAS 45d (4-Acid) Meas	0.099	0.5	240	0.034	38.9	21.1	< 1	0.24	498	0.4	< 0.1	49	0.8	30	< 0.1	13.9	0.316	0.22	2.7	110	< 0.1	10.9	39
OREAS 45d (4-Acid) Cert	0.101	14.50	231.0	0.042	42.1	21.8	0.049	0.245	490.000	2.500	0.82	49.30	2.78	31.30	1.02	14.5	0.773	0.27	2.63	235.0	1.62	9.53	45.7
PTC-1b Meas																							
PTC-1b Cert																							
SdAR-M2 (U.S.G.S.) Meas		3.3	54.1		105	740				12.8		4		142	< 0.1	13.4			2.4	24	0.2	25.0	851
SdAR-M2 (U.S.G.S.) Cert		26.2	48.8		149	808				13.3		4.1		144	1.8	14.2			2.53	25.2	2.8	32.7	760
SdAR-M2 (U.S.G.S.) Meas		3.6	51.8		127	744				11.8		4		136	< 0.1	13.1			2.3	23	0.2	25.0	893
SdAR-M2 (U.S.G.S.) Cert		26.2	48.8		149	808				13.3		4.1		144	1.8	14.2			2.53	25.2	2.8	32.7	760
CCU-1e Meas																							
CCU-1e Cert																							
66251 Orig	0.153	< 0.1	565	0.027	22.5	1.9	< 1	5.40	1340	0.1	< 0.1	17	0.2	180	< 0.1	0.6	0.247	0.19	0.5	111	< 0.1	7.3	32
66251 Dup	0.156	< 0.1	565	0.029	22.6	1.8	< 1	5.31	1360	0.2	< 0.1	16	0.2	178	< 0.1	0.6	0.286	0.19	0.5	115	< 0.1	7.4	32
66293 Orig	0.942	< 0.1	10.6	0.049	12.9	1.8	< 1	1.09	614	0.3	< 0.1	13	0.2	86	< 0.1	0.8	0.112	0.06	0.3	34	< 0.1	9.7	41
66293 Dup	1.01	< 0.1	11.7	0.052	13.4	2.1	< 1	1.16	648	0.6	< 0.1	14	0.3	91	< 0.1	0.8	0.160	0.06	0.3	37	< 0.1	10.1	43
66295 Orig	< 0.001	2.0	151	0.018	9.4	5.3	9	1.88	951	88.7	1.0	9	2.0	108	0.1	0.3	0.159	0.07	0.3	123	0.5	6.6	62
66295 Dup	< 0.001	2.8	148	0.018	9.7	5.6	8	1.85	946	90.1	1.0	8	2.2	109	0.2	0.3	0.172	0.09	0.3	123	0.5	6.7	59
66761 Orig	3.90	10.5	3.7	0.004	47.3	17.0	< 1	0.01	46	12.8	0.3	1	1.4	81	0.7	7.5	0.018	0.20	3.6	< 4	0.8	18.0	4
66761 Dup	4.03	10.7	3.9	0.004	49.0	17.9	< 1	0.01	51	13.6	0.3	1	1.5	80	0.4	6.8	0.017	0.20	3.0	< 4	0.8	18.1	5
66766 Orig	3.31	< 0.1	39.1	0.059	56.4	7.9	< 1	1.48	924	0.1	< 0.1	13	1.1	113	< 0.1	5.3	0.114	0.28	1.4	32	< 0.1	22.8	109
66766 Dup	3.43	< 0.1	41.8	0.063	58.1	8.4	< 1	1.55	974	< 0.1	< 0.1	14	1.1	121	< 0.1	5.8	0.108	0.28	1.6	31	< 0.1	24.6	115
66798 Orig	0.025	0.5	24.8	0.003	2.1	4.4	< 1	0.02	128	17.4	2.0	1	0.6	2	< 0.1	< 0.1	0.021	< 0.05	4.5	< 4	0.9	0.5	14
66798 Dup	0.027	0.4	25.4	0.003	2.1	4.6	< 1	0.02	127	17.4	1.6	1	0.6	2	< 0.1	< 0.1	0.022	< 0.05	< 0.1	< 4	0.8	0.5	8
66808 Orig	3.85	6.3	5.0	0.058	13.7	244	< 1	0.16	165	10.7	0.6	2	1.5	149	0.1	1.2	0.230	0.07	0.3	22	24.6	3.3	175
66808 Dup	3.96	5.6	4.8	0.059	15.1	254	< 1	0.17	177	10.9	0.6	2	1.7	163	< 0.1	1.4	0.231	0.08	0.4	22	23.7	3.5	182
66810 Orig	4.70	8.0	5.5	0.073	13.1	46.8	< 1	0.29	237	9.8	0.7	3	2.3	166	0.4	0.8	0.284	0.10	0.3	41	6.3	2.5	154
66810 Dup	4.66	7.4	4.9	0.073	20.8	48.2	< 1	0.33	237	9.5	0.7	4	2.1	214	0.4	1.6	0.285	0.10	0.5	41	5.9	4.1	153
67013 Orig	4.24	10.3	5.8	0.041	21.2	5.8	< 1	0.41	1300	12.8	1.7	6	1.9	440	0.5	6.4	0.195	0.17	2.0	44	1.1	15.5	70
67013 Dup	4.09	8.5	5.8	0.038	16.8	5.3	< 1	0.39	1210	12.0	1.7	6	1.8	372	0.1	6.1	0.190	0.17	1.7	42	1.0	14.7	66
67261 Orig	0.065	0.8	75.3	0.002	16.8	178	1	0.12	49	18.9	2.3	3	1.2	9	< 0.1	0.2	0.104	0.07	0.3	25	5.3	1.0	36
67261 Dup	0.068	0.8	77.2	0.002	17.1	181	1	0.13	57	19.3	1.5	3	1.1	9	< 0.1	0.2	0.110	0.08	0.3	24	5.2	0.9	38
67274 Orig	0.077	1.5	1020	0.012	2.8	0.2	< 1	14.3	1390	1.0	0.1	23	0.2	8	< 0.1	0.4	0.230	< 0.05	0.1	90	0.1	6.9	82
67274 Dup	0.078	1.5	1030	0.014	2.7	0.3	< 1	14.8	1410	1.1	0.1	23	0.3	7	< 0.1	0.4	0.229	< 0.05	< 0.1	97	0.1	7.1	84
Method Blank	0.002	< 0.1	0.2	< 0.001	0.1	0.1	< 1	< 0.01	23	< 0.1	< 0.1	< 1	0.2	< 1	< 0.1	< 0.1	0.001	< 0.05	< 0.1	< 4	< 0.1	< 0.1	< 1

Analyte Symbol	Na	Nb	Ni	P	Rb	Pb	S	Mg	Mn	Mo	Sb	Sc	Sn	Sr	Ta	Th	Ti	Tl	U	V	W	Y	Zn
Unit Symbol	%	ppm	ppm	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.1	0.1	0.001	0.1	0.1	1	0.01	1	0.1	0.1	1	0.1	1	0.1	0.1	0.001	0.05	0.1	4	0.1	0.1	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	0.002	< 0.1	0.2	< 0.001	< 0.1	0.1	< 1	< 0.01	22	< 0.1	< 0.1	< 1	0.2	< 1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.1	< 4	< 0.1	< 0.1	< 1
Method Blank	0.002	< 0.1	0.1	< 0.001	0.1	0.1	< 1	< 0.01	23	< 0.1	< 0.1	< 1	0.2	< 1	< 0.1	< 0.1	0.001	< 0.05	< 0.1	< 4	< 0.1	< 0.1	< 1
Method Blank	0.002	< 0.1	0.1	< 0.001	0.1	0.1	< 1	< 0.01	7	< 0.1	< 0.1	< 1	0.2	< 1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.1	< 4	< 0.1	< 0.1	< 1
Method Blank	0.002	< 0.1	0.2	< 0.001	0.1	0.1	< 1	< 0.01	7	< 0.1	< 0.1	< 1	0.1	< 1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.1	< 4	< 0.1	< 0.1	< 1
Method Blank	0.002	< 0.1	< 0.1	< 0.001	< 0.1	0.2	< 1	< 0.01	22	< 0.1	< 0.1	< 1	0.2	< 1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.1	< 4	< 0.1	< 0.1	< 1
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							

Analyte Symbol	Zr
Unit Symbol	ppm
Lower Limit	0.1
Method Code	TD-MS
GXR-1 Meas	6.4
GXR-1 Cert	38.0
GXR-1 Meas	15.0
GXR-1 Cert	38.0
DH-1a Meas	
DH-1a Cert	
DH-1a Meas	
DH-1a Cert	
GXR-4 Meas	39.1
GXR-4 Cert	186
GXR-4 Meas	50.2
GXR-4 Cert	186
PTM-1a Meas	
PTM-1a Cert	
SDC-1 Meas	41.8
SDC-1 Cert	290.00
SDC-1 Meas	33.9
SDC-1 Cert	290.00
GXR-6 Meas	85.3
GXR-6 Cert	110
GXR-6 Meas	69.4
GXR-6 Cert	110
Oreas 74a (Fusion) Meas	
Oreas 74a (Fusion) Cert	
OREAS 134b (Fusion) Meas	
OREAS 134b (Fusion) Cert	
MP-1b Meas	
MP-1b Cert	
DNC-1a Meas	38.0
DNC-1a Cert	38.0
DNC-1a Meas	36.7
DNC-1a Cert	38.0
CPB-2 Meas	
CPB-2 Cert	
CZN-4 Meas	
CZN-4 Cert	
SBC-1 Meas	129
SBC-1 Cert	134.0
SBC-1 Meas	114

Analyte Symbol	Zr
Unit Symbol	ppm
Lower Limit	0.1
Method Code	TD-MS
SBC-1 Cert	134.0
OREAS 45d (4-Acid) Meas	103
OREAS 45d (4-Acid) Cert	141
OREAS 45d (4-Acid) Meas	89.6
OREAS 45d (4-Acid) Cert	141
PTC-1b Meas	
PTC-1b Cert	
SdAR-M2 (U.S.G.S.) Meas	85.1
SdAR-M2 (U.S.G.S.) Cert	259
SdAR-M2 (U.S.G.S.) Meas	124
SdAR-M2 (U.S.G.S.) Cert	259
CCU-1e Meas	
CCU-1e Cert	
66251 Orig	50.8
66251 Dup	48.9
66293 Orig	6.7
66293 Dup	6.8
66295 Orig	30.8
66295 Dup	28.5
66761 Orig	77.0
66761 Dup	82.6
66766 Orig	68.2
66766 Dup	79.3
66798 Orig	2.0
66798 Dup	2.2
66808 Orig	101
66808 Dup	96.9
66810 Orig	135
66810 Dup	133
67013 Orig	211
67013 Dup	203
67261 Orig	8.4
67261 Dup	10.5
67274 Orig	23.3
67274 Dup	23.7
Method Blank	0.2

Analyte Symbol	Zr
Unit Symbol	ppm
Lower Limit	0.1
Method Code	TD-MS
Method Blank	0.4
Method Blank	< 0.1
Method Blank	0.3
Method Blank	< 0.1
Method Blank	0.3
Method Blank	
Method Blank	
Method Blank	
Method Blank	
Method Blank	
Method Blank	
Method Blank	
Method Blank	

Quality Analysis ... *Innovative Technologies*

Date Submitted: 29-Aug-17
Invoice No.: A17-09355
Invoice Date: 23-Oct-17
Your Reference: SG17-1286 39137 TRUE NORTH NICKEL

Techni-Lab Abitibi Inc.(Actlabs)
184 Rue Principale
Ste-Germaine-Boule Quebec J0Z 1M0
Canada

ATTN: Andre Caouette

CERTIFICATE OF ANALYSIS

8 Pulp samples were submitted for analysis.

The following analytical package(s) were requested: Code UT-4M Total Digestion ICP/MS

REPORT **A17-09355**

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:

Any values for Au are for informational purposes and should be checked by fire assay code 1A2

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
41 Bittern Street, Ancaster, Ontario, Canada, L9G 4V5
TELEPHONE +905 648-9611 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Ancaster@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Te	Pb	Al	Ag	As	Au	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Cs	Fe	Hf	K	La	Li	Na	Nb
Unit Symbol	ppm	%	%	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm
Lower Limit	0.1	0.01	0.01	0.1	1	100	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.1	0.01	0.1	0.01	0.1	0.1	0.001	0.1
Method Code	TD-MS	FUS-Na2O2	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
66930	4.8		0.47	35.8	25	> 2000	81	< 1	0.2	0.10	95.0	< 1	2.0	379	846	< 0.1	0.54	< 0.1	0.22	0.3	1.1	0.019	0.3
66932	3.1		0.15	8.4	3	> 2000	4	< 1	0.4	0.23	205	< 1	2.1	318	15.7	< 0.1	0.43	< 0.1	0.01	0.3	0.6	0.020	0.2
66933	14.8	1.49	0.46	42.1	4	> 2000	53	< 1	0.6	0.22	433	< 1	3.2	373	1090	< 0.1	0.86	< 0.1	0.12	0.4	2.0	0.010	0.4
66934	3.0		0.16	7.5	3	> 2000	6	< 1	0.2	0.25	169	< 1	2.9	297	84.6	< 0.1	0.46	< 0.1	0.02	0.3	0.8	0.020	0.3
66936	7.2	0.73	0.68	31.7	3	> 2000	156	< 1	0.2	1.06	215	< 1	1.6	352	163	< 0.1	0.45	< 0.1	0.34	0.2	0.9	0.012	0.4
66938	11.9	1.22	0.51	12.3	3	> 2000	129	< 1	0.6	0.12	129	< 1	1.7	280	467	< 0.1	0.52	< 0.1	0.29	0.1	0.9	0.013	0.2
67066	4.0		5.45	8.9	11	> 2000	361	1	< 0.1	4.71	0.3	23	11.2	22	68.3	4.2	3.29	1.6	1.83	10.9	43.3	1.40	1.9
67067	< 0.1		6.68	< 0.1	< 1	< 100	397	1	< 0.1	1.71	< 0.1	18	5.8	77	5.2	0.8	1.50	1.3	1.23	8.1	8.6	2.84	1.8

Analyte Symbol	Ni	P	Rb	Pb	S	Mg	Mn	Mo	Sb	Sc	Sn	Sr	Ta	Th	Ti	Tl	U	V	W	Y	Zn	Zr	Zn
Unit Symbol	ppm	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	0.1	0.001	0.1	0.1	1	0.01	1	0.1	0.1	1	0.1	1	0.1	0.1	0.001	0.05	0.1	4	0.1	0.1	1	0.1	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-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	FUS-Na2O2
66930	13.2	< 0.001	5.7	4690	< 1	0.12	49	26.0	3.3	< 1	0.8	2	< 0.1	< 0.1	0.010	< 0.05	< 0.1	13	0.2	0.2	2660	1.5	
66932	8.8	< 0.001	0.3	2420	< 1	0.09	56	22.6	0.8	< 1	0.4	3	< 0.1	< 0.1	0.004	< 0.05	< 0.1	4	0.2	0.1	5400	1.3	
66933	18.2	< 0.001	2.6	> 5000	< 1	0.29	88	28.4	5.0	< 1	0.6	3	< 0.1	< 0.1	0.008	< 0.05	< 0.1	13	0.1	0.2	> 10000	1.4	1.00
66934	10.7	0.002	0.5	2540	< 1	0.11	77	22.4	1.4	< 1	0.4	3	< 0.1	0.1	0.009	< 0.05	0.1	5	0.2	0.3	4080	1.3	
66936	9.9	< 0.001	8.2	> 5000	< 1	0.09	74	27.7	3.2	< 1	0.6	10	< 0.1	< 0.1	0.009	0.06	< 0.1	19	0.2	0.2	5270	0.9	
66938	10.5	< 0.001	5.7	> 5000	< 1	0.08	58	25.1	5.4	< 1	0.9	< 1	< 0.1	< 0.1	0.007	< 0.05	< 0.1	20	0.3	0.1	3010	1.1	
67066	10.8	0.066	60.7	18.0	< 1	1.16	777	5.4	3.4	13	0.9	313	< 0.1	2.9	0.296	0.57	0.8	113	1.8	10.2	73	66.9	
67067	20.5	0.020	44.8	7.4	< 1	0.44	266	5.7	< 0.1	5	0.7	341	< 0.1	1.3	0.157	0.25	0.4	41	0.1	5.8	16	47.1	

Analyte Symbol	Te	Pb	Zn	Al	Ag	As	Au	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Cs	Fe	Hf	K	La	Li	Na
Unit Symbol	ppm	%	%	%	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm	%
Lower Limit	0.1	0.01	0.01	0.01	0.1	1	100	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.1	0.01	0.1	0.01	0.1	0.1	0.001
Method Code	TD-MS	FUS-Na2O2	FUS-Na2O2	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
DH-1a Meas																							
DH-1a Cert																							
DH-1a Meas																							
DH-1a Cert																							
GXR-4 Meas	1.1			6.21	3.2	104	400	98	2	15.8	0.94	0.2	102	13.3	54	5920	2.4	2.95	1.2	2.86	52.4	10.5	0.493
GXR-4 Cert	0.970			7.20	4.0	98.0	500	1640	1.90	19.0	1.01	0.860	102	14.6	64.0	6520	2.80	3.09	6.30	4.01	64.5	11.1	0.564
GXR-4 Meas	1.0			6.62	3.4	105	400	75	2	17.8	0.98	< 0.1	108	13.4	43	6550	2.5	3.06	1.2	4.12	52.8	11.5	0.504
GXR-4 Cert	0.970			7.20	4.0	98.0	500	1640	1.90	19.0	1.01	0.860	102	14.6	64.0	6520	2.80	3.09	6.30	4.01	64.5	11.1	0.564
SDC-1 Meas				8.55		< 1		646	3		1.00		86	16.2	42	32.8	3.8	4.68	1.0	2.76	37.5	36.8	1.55
SDC-1 Cert				8.34		0.220		630	3.00		1.00		93.00	18.0	64.00	30.000	4.00	4.82	8.30	2.72	42.00	34.0	1.52
GXR-6 Meas	< 0.1			13.7	0.2	256	< 100	1330	1	0.2	0.15	0.2	36	13.1	40	67.3	4.4	5.99	1.9	1.99	12.8	36.4	0.103
GXR-6 Cert	0.0180			17.7	1.30	330	95.0	1300	1.40	0.290	0.180	1.00	36.0	13.8	96.0	66.0	4.20	5.58	4.30	1.87	13.9	32.0	0.104
GXR-6 Meas	< 0.1			12.8	0.1	273	< 100	1270	1	0.2	0.15	< 0.1	35	12.7	66	67.8	4.3	5.76	2.1	2.02	12.3	35.7	0.098
GXR-6 Cert	0.0180			17.7	1.30	330	95.0	1300	1.40	0.290	0.180	1.00	36.0	13.8	96.0	66.0	4.20	5.58	4.30	1.87	13.9	32.0	0.104
OREAS 134b (Fusion) Meas		13.0	18.4																				
OREAS 134b (Fusion) Cert		13.20	18.12																				
OREAS 134b (Fusion) Meas			17.4																				
OREAS 134b (Fusion) Cert			18.12																				
MP-1b Meas		2.05	17.6																				
MP-1b Cert		2.09	16.7																				
MP-1b Meas			16.1																				
MP-1b Cert			16.7																				
DNC-1a Meas								108						53.3	173	94.2					3.7	4.8	
DNC-1a Cert								118						57	270	100					3.6	5.2	
DNC-1a Meas								99						50.6	126	92.3					3.3	4.6	
DNC-1a Cert								118						57	270	100					3.6	5.2	
CPB-2 Meas		62.3	5.94																				
CPB-2 Cert		63.52	6.04																				
CZN-4 Meas		0.18	58.0																				
CZN-4 Cert		0.1861	55.07																				
CZN-4 Meas			53.6																				
CZN-4 Cert			55.07																				
SBC-1 Meas						23		422	3	0.6		0.4	89	17.3	82	23.8	6.7		2.9		39.9	145	
SBC-1 Cert						25.7		788.0	3.20	0.70		0.40	108.0	22.7	109	31.0000	8.2		3.7		52.5	163	
OREAS 45d (4-Acid) Meas				8.18		6		184	< 1	0.3	0.17		36	27.6	480	369	3.7	14.5	2.5	0.41	16.4	21.5	0.097
OREAS 45d (4-Acid) Cert				8.150		13.8		183.0	0.79	0.31	0.185		37.20	29.50	549	371	3.910	14.5	3.830	0.412	16.9	21.5	0.101

Analyte Symbol	Te	Pb	Zn	Al	Ag	As	Au	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Cs	Fe	Hf	K	La	Li	Na
Unit Symbol	ppm	%	%	%	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm	%
Lower Limit	0.1	0.01	0.01	0.01	0.1	1	100	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.1	0.01	0.1	0.01	0.1	0.1	0.001
Method Code	TD-MS	FUS-Na2O2	FUS-Na2O2	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	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 45d (4-Acid) Meas				8.45		8		185	< 1	0.3	0.18		36	27.8	493	376	3.8	14.4	2.0	0.43	15.8	22.3	0.094
OREAS 45d (4-Acid) Cert				8.150		13.8		183.0	0.79	0.31	0.185		37.20	29.50	549	371	3.910	14.5	3.830	0.412	16.9	21.5	0.101
PTC-1b Meas		0.08	0.21																				
PTC-1b Cert		0.08	0.2083																				
CCU-1e Meas		0.71	3.25																				
CCU-1e Cert		0.703	3.02																				
CCU-1e Meas			3.01																				
CCU-1e Cert			3.02																				
67067 Orig	< 0.1			6.66	< 0.1	< 1	100	399	1	< 0.1	1.69	< 0.1	17	5.8	79	5.0	0.7	1.50	1.1	1.23	7.9	8.6	2.83
67067 Dup	< 0.1			6.71	< 0.1	< 1	< 100	395	1	0.1	1.73	< 0.1	18	5.7	75	5.4	0.8	1.51	1.4	1.23	8.2	8.5	2.86
Method Blank				< 0.01	< 0.1	< 1	< 100	< 1	< 1	< 0.1	< 0.01	< 0.1	< 1	< 0.2	3	0.4	< 0.1	< 0.01	< 0.1	< 0.01	< 0.1	< 0.1	0.001
Method Blank				< 0.01	< 0.1	< 1	< 100	< 1	< 1	< 0.1	< 0.01	< 0.1	< 1	< 0.2	12	0.2	< 0.1	< 0.01	< 0.1	< 0.01	< 0.1	< 0.1	0.001
Method Blank				< 0.01	< 0.1	< 1	< 100	< 1	< 1	< 0.1	< 0.01	< 0.1	< 1	< 0.2	43	0.3	< 0.1	< 0.01	< 0.1	< 0.01	< 0.1	< 0.1	0.001
Method Blank				< 0.01	< 0.1	< 1	< 100	< 1	< 1	< 0.1	< 0.01	< 0.1	< 1	< 0.2	7	0.3	< 0.1	< 0.01	< 0.1	< 0.01	< 0.1	< 0.1	0.001
Method Blank				< 0.01	< 0.1	< 1	< 100	< 1	< 1	< 0.1	< 0.01	< 0.1	< 1	< 0.2	70	0.8	< 0.1	< 0.01	< 0.1	< 0.01	< 0.1	< 0.1	0.001
Method Blank				< 0.01	< 0.1	< 1	< 100	< 1	< 1	< 0.1	< 0.01	< 0.1	< 1	< 0.2	4	0.5	< 0.1	< 0.01	< 0.1	< 0.01	< 0.1	< 0.1	0.001
Method Blank	< 0.1																						
Method Blank	< 0.1																						
Method Blank	< 0.1																						
Method Blank	< 0.1																						
Method Blank	< 0.1																						
Method Blank	< 0.1																						
Method Blank		< 0.01	< 0.01																				
Method Blank		< 0.01	< 0.01																				
Method Blank			< 0.01																				
Method Blank			< 0.01																				

Analyte Symbol	Nb	Ni	P	Rb	Pb	S	Mg	Mn	Mo	Sb	Sc	Sn	Sr	Ta	Th	Ti	Tl	U	V	W	Y	Zn	Zr
Unit Symbol	ppm	ppm	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.1	0.001	0.1	0.1	1	0.01	1	0.1	0.1	1	0.1	1	0.1	0.1	0.001	0.05	0.1	4	0.1	0.1	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
DH-1a Meas															858			2490					
DH-1a Cert															910			2629					
DH-1a Meas															857			2470					
DH-1a Cert															910			2629					
GXR-4 Meas	8.6	37.6	0.138	122	45.3	2	1.68	140	307	4.0	7	7.1	189	0.5	16.6	0.273	3.07	5.5	85	32.3	12.2	64	37.7
GXR-4 Cert	10.0	42.0	0.120	160	52.0	1.77	1.66	155	310	4.80	7.70	5.60	221	0.790	22.5	0.29	3.20	6.20	87.0	30.8	14.0	73.0	186
GXR-4 Meas	8.1	39.2	0.138	142	50.0	2	1.76	142	328	4.3	7	7.2	207	0.5	18.9	0.257	3.38	5.9	89	34.2	12.6	71	35.5
GXR-4 Cert	10.0	42.0	0.120	160	52.0	1.77	1.66	155	310	4.80	7.70	5.60	221	0.790	22.5	0.29	3.20	6.20	87.0	30.8	14.0	73.0	186
SDC-1 Meas	< 0.1	33.1	0.058	115	24.2		1.04	804		< 0.1	16	0.2	161	< 0.1	11.2	0.122	0.65	2.9	40	< 0.1		106	33.9
SDC-1 Cert	21.00	38.0	0.0690	127.00	25.00		1.02	880.00		0.54	17.00	3.00	180.00	1.20	12.00	0.606	0.70	3.10	102.00	0.80		103.00	290.00
GXR-6 Meas	0.1	26.1	0.037	86.5	108	< 1	0.64	1070	0.2	0.2	29	0.7	34	< 0.1	5.2		2.39	1.6	125	< 0.1	12.5	133	60.3
GXR-6 Cert	7.50	27.0	0.0350	90.0	101	0.0160	0.609	1010	2.40	3.60	27.6	1.70	35.0	0.485	5.30		2.20	1.54	186	1.90	14.0	118	110
GXR-6 Meas	0.2	24.7	0.037	81.6	104	< 1	0.65	1000	0.6	0.5	28	0.8	33	< 0.1	5.3		2.38	1.6	138	< 0.1	11.8	130	70.2
GXR-6 Cert	7.50	27.0	0.0350	90.0	101	0.0160	0.609	1010	2.40	3.60	27.6	1.70	35.0	0.485	5.30		2.20	1.54	186	1.90	14.0	118	110
OREAS 134b (Fusion) Meas																							
OREAS 134b (Fusion) Cert																							
OREAS 134b (Fusion) Meas																							
OREAS 134b (Fusion) Cert																							
MP-1b Meas																							
MP-1b Cert																							
MP-1b Meas																							
MP-1b Cert																							
DNC-1a Meas	1.4	271		3.7	7.1					0.5	34		141			0.310			158		16.8	63	38.9
DNC-1a Cert	3	247		5	6.3					0.96	31		144			0.29			148		18.0	70	38.0
DNC-1a Meas	1.4	251		3.2	6.1					0.5	31		131			0.277			143		14.8	61	34.7
DNC-1a Cert	3	247		5	6.3					0.96	31		144			0.29			148		18.0	70	38.0
CPB-2 Meas																							
CPB-2 Cert																							
CZN-4 Meas																							
CZN-4 Cert																							
CZN-4 Meas																							
CZN-4 Cert																							
SBC-1 Meas	12.6	71.5		117	29.9				1.9	1.1	18	3.0	143	0.9	13.0	0.430	0.81	5.0	184	1.4	24.6	180	98.2
SBC-1 Cert	15.3	82.8		147	35.0				2.4	1.01	20.0	3.3	178.0	1.10	15.8	0.51	0.89	5.76	220.0	1.60	36.5	186	134.0
OREAS 45d (4-Acid) Meas	0.1	237	0.037	40.7	21.3	< 1	0.24	487	0.2	< 0.1	54	0.5	28	< 0.1	13.8	0.244	0.26	2.9	130	0.1	10.6	42	96.1
OREAS 45d (4-Acid) Cert	14.50	231.0	0.042	42.1	21.8	0.049	0.245	490.000	2.500	0.82	49.30	2.78	31.30	1.02	14.5	0.773	0.27	2.63	235.0	1.62	9.53	45.7	141
OREAS 45d (4-Acid) Meas	0.3	229	0.037	40.4	21.5	< 1	0.20	477	0.3	< 0.1	53	0.7	30	< 0.1	14.5	0.244	0.27	2.9	121	0.1	10.5	40	74.0

Analyte Symbol	Nb	Ni	P	Rb	Pb	S	Mg	Mn	Mo	Sb	Sc	Sn	Sr	Ta	Th	Ti	Tl	U	V	W	Y	Zn	Zr
Unit Symbol	ppm	ppm	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.1	0.001	0.1	0.1	1	0.01	1	0.1	0.1	1	0.1	1	0.1	0.1	0.001	0.05	0.1	4	0.1	0.1	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 45d (4-Acid) Cert	14.50	231.0	0.042	42.1	21.8	0.049	0.245	490.000	2.500	0.82	49.30	2.78	31.30	1.02	14.5	0.773	0.27	2.63	235.0	1.62	9.53	45.7	141
PTC-1b Meas																							
PTC-1b Cert																							
CCU-1e Meas																							
CCU-1e Cert																							
CCU-1e Meas																							
CCU-1e Cert																							
67067 Orig	2.1	20.1	0.020	45.1	7.3	< 1	0.44	264	5.7	< 0.1	5	0.6	341	< 0.1	1.2	0.156	0.25	0.3	40	0.1	5.9	14	44.3
67067 Dup	1.5	21.0	0.020	44.6	7.5	< 1	0.45	268	5.7	< 0.1	5	0.8	341	< 0.1	1.3	0.159	0.26	0.4	41	0.1	5.7	18	49.9
Method Blank	< 0.1	0.2	< 0.001	< 0.1	0.6	< 1	< 0.01	13	< 0.1	< 0.1	< 1	< 0.1	< 1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.1	< 4	< 0.1	< 0.1	< 1	0.4
Method Blank	< 0.1	0.1	< 0.001	< 0.1	0.7	< 1	< 0.01	5	< 0.1	< 0.1	< 1	0.2	< 1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.1	< 4	< 0.1	< 0.1	1	0.2
Method Blank	< 0.1	0.3	< 0.001	< 0.1	0.6	< 1	< 0.01	10	0.1	< 0.1	< 1	0.2	< 1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.1	< 4	< 0.1	< 0.1	< 1	0.4
Method Blank	< 0.1	0.2	< 0.001	< 0.1	0.6	< 1	< 0.01	24	0.1	< 0.1	< 1	0.3	< 1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.1	< 4	< 0.1	< 0.1	< 1	0.5
Method Blank	< 0.1	0.3	< 0.001	< 0.1	0.6	< 1	< 0.01	11	< 0.1	< 0.1	< 1	0.3	< 1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.1	< 4	< 0.1	< 0.1	< 1	0.9
Method Blank	< 0.1	0.2	< 0.001	< 0.1	0.6	< 1	< 0.01	11	< 0.1	< 0.1	< 1	0.4	< 1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.1	< 4	< 0.1	< 0.1	< 1	0.1
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							

Quality Analysis ... **Actlabs** *Innovative Technologies*

Date Submitted: 12-Sep-17
Invoice No.: A17-09885 (i)
Invoice Date: 23-Oct-17
Your Reference: SG17-1287 39138-A TRUE NORTH NIC

Techni-Lab Abitibi Inc.(Actlabs)
184 Rue Principale
Ste-Germaine-Boule Quebec J0Z 1M0
Canada

ATTN: Andre Caouette

CERTIFICATE OF ANALYSIS

201 Pulp samples were submitted for analysis.

The following analytical package(s) were requested: Code UT-4M Total Digestion ICP/MS

REPORT **A17-09885 (i)**

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:

Any values for Au are for informational purposes and should be checked by fire assay code 1A2

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
41 Bittern Street, Ancaster, Ontario, Canada, L9G 4V5
TELEPHONE +905 648-9611 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Ancaster@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Te	Al	Ag	As	Au	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Cs	Fe	Hf	K	La	Li	Na	Nb	Ni
Unit Symbol	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm
Lower Limit	0.1	0.01	0.1	1	100	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.1	0.01	0.1	0.01	0.1	0.1	0.001	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
66826 39138-A	2.7	2.36	< 0.1	3820	400	193	< 1	1.4	6.51	0.2	2	15.6	313	7.7	1.2	3.09	0.4	0.60	0.7	6.3	0.909	2.0	91.1
66827	0.4	1.42	0.3	128	200	183	< 1	1.6	6.31	0.4	< 1	13.8	645	23.3	0.6	2.13	0.1	0.36	0.3	9.6	0.129	0.6	121
66828	< 0.1	0.03	< 0.1	908	200	6	< 1	< 0.1	0.02	0.4	< 1	0.7	300	11.5	< 0.1	0.59	< 0.1	0.02	0.7	0.2	< 0.001	0.1	5.7
66829	< 0.1	5.31	< 0.1	43	< 100	455	1	0.5	1.25	0.2	25	6.1	126	19.8	0.4	2.28	3.8	0.94	10.9	2.6	6.10	7.2	4.9
66830	1.6	2.10	13.8	15	< 100	105	< 1	39.1	0.26	0.8	7	2.0	250	8.7	< 0.1	0.71	< 0.1	0.19	3.4	0.9	1.74	0.9	7.1
66831 mr	2.5	5.49	4.4	19	1500	368	1	0.1	4.56	0.4	24	11.5	37	77.6	5.7	3.11	1.9	2.47	11.1	45.0	1.06	2.4	11.5
66832	0.4	5.74	2.8	19	< 100	423	< 1	9.5	1.79	0.7	24	6.8	158	58.0	0.4	1.57	1.5	0.91	10.3	2.2	3.97	3.6	22.5
66833	0.2	2.99	1.9	41	< 100	241	< 1	4.6	0.17	0.1	14	2.8	229	21.2	0.2	1.32	1.4	0.38	6.3	1.1	2.29	3.0	7.0
66834	4.3	0.42	51.8	21	< 100	38	< 1	149	0.16	< 0.1	1	2.1	309	20.2	< 0.1	0.79	< 0.1	0.10	0.6	0.6	0.190	0.2	5.9
66835	0.4	0.43	4.6	3	< 100	32	< 1	11.4	0.19	1.2	2	1.7	339	9.1	< 0.1	0.59	0.2	0.09	0.7	0.4	0.239	0.5	7.0
66836	28.1	0.88	86.6	52	< 100	275	< 1	799	1.08	26.8	< 1	12.1	490	49.8	0.2	1.26	< 0.1	0.30	0.2	4.4	0.106	< 0.1	85.1
66837	< 0.1	3.84	0.2	< 1	< 100	595	< 1	0.6	11.4	0.2	43	10.9	254	149	0.1	2.96	0.8	0.39	19.5	7.3	1.37	0.3	32.5
66838	0.1	0.06	0.6	35	< 100	6	< 1	1.6	0.04	< 0.1	< 1	0.9	367	5.1	< 0.1	0.49	< 0.1	< 0.01	0.3	4.2	0.016	0.3	5.1
66839	1.0	0.12	8.7	3	< 100	27	< 1	20.8	0.38	0.1	< 1	1.6	328	7.9	< 0.1	0.37	< 0.1	0.03	< 0.1	0.8	0.013	0.2	15.4
66840	0.4	2.08	6.8	16	< 100	476	< 1	18.1	2.56	0.2	< 1	13.8	612	47.0	0.3	2.26	0.2	0.53	0.4	16.3	0.101	0.5	146
66841	0.2	1.36	1.1	20	< 100	243	< 1	3.5	2.90	0.2	1	11.1	524	31.1	0.2	1.45	0.2	0.31	0.5	9.5	0.167	0.1	99.4
66842	1.7	2.99	13.3	4	< 100	273	< 1	33.3	0.23	1.7	13	3.8	263	35.6	0.1	1.10	1.6	0.37	6.1	3.1	1.93	3.7	5.9
66843	< 0.1	0.37	< 0.1	11	< 100	5	< 1	< 0.1	0.37	< 0.1	< 1	4.4	407	33.6	< 0.1	0.85	< 0.1	< 0.01	< 0.1	3.0	0.038	0.2	94.2
66844	< 0.1	1.64	< 0.1	10	< 100	143	< 1	0.2	0.10	0.1	13	2.5	316	6.7	0.2	1.11	< 0.1	0.31	6.1	2.9	0.839	1.4	16.4
66845	0.5	3.60	4.7	6	< 100	518	< 1	11.2	0.21	0.9	13	2.4	261	35.6	0.2	1.25	0.2	0.66	6.0	5.2	2.18	2.4	8.0
66846	1.9	3.03	14.4	2	100	240	< 1	34.9	0.25	12.6	10	1.8	253	23.0	0.1	0.82	0.2	0.33	4.5	2.7	2.28	1.8	4.0
66847	0.1	5.16	0.8	4	< 100	521	1	2.4	0.83	2.3	29	6.5	152	60.3	0.2	1.91	3.7	0.65	13.4	6.1	4.98	7.4	5.5
66848	< 0.1	0.26	0.3	18	< 100	23	< 1	0.2	0.01	< 0.1	1	1.7	332	32.8	< 0.1	0.39	< 0.1	0.11	0.5	3.6	0.015	< 0.1	13.4
66849	1.0	2.30	51.5	< 1	< 100	111	< 1	127	0.77	1.1	12	5.1	251	5.4	0.2	2.62	< 0.1	0.26	5.0	8.7	0.724	0.1	15.9
66850	< 0.1	0.75	0.4	8	< 100	77	< 1	0.8	0.03	< 0.1	10	0.6	267	20.7	0.2	0.35	< 0.1	0.30	5.3	0.8	0.143	0.4	4.5
66851 mr	0.4	3.80	42.2	91	500	24	< 1	22.0	1.49	134	30	261	35	> 10000	1.2	14.5	3.0	0.90	13.5	9.0	0.475	5.3	17.3
66852	< 0.1	2.94	0.2	56	< 100	169	< 1	0.7	0.08	< 0.1	29	3.7	215	55.1	< 0.1	1.45	2.1	0.28	13.8	0.8	2.24	3.4	11.5
66853	< 0.1	1.50	0.2	3	< 100	77	< 1	0.6	3.56	0.4	11	0.9	292	8.0	< 0.1	0.50	0.6	0.24	5.3	0.7	0.990	1.4	4.4
66527	1.3	6.56	2.8	< 1	600	197	< 1	0.9	5.49	0.5	13	44.3	102	7390	0.1	9.07	3.2	0.54	6.7	4.9	2.70	5.9	36.5
66528	5.2	2.40	0.3	< 1	600	1290	< 1	66.2	0.39	< 0.1	5	1.6	289	82.8	0.5	1.37	0.7	1.82	2.5	2.7	0.601	2.1	4.4
66529	1.8	7.36	< 0.1	7	< 100	101	< 1	0.1	4.40	< 0.1	9	20.4	78	32.1	0.5	5.55	1.0	1.58	3.1	8.1	2.15	5.3	7.9
66530	0.5	8.29	< 0.1	5	< 100	175	< 1	0.3	4.90	< 0.1	10	34.0	103	12.6	0.2	5.77	1.4	0.49	4.3	17.0	2.91	4.6	47.4
66531	< 0.1	0.44	1.9	2	< 100	64	< 1	< 0.1	0.48	< 0.1	1	2.4	303	2820	0.1	0.99	< 0.1	0.23	0.5	0.9	0.029	0.4	7.8
66532	< 0.1	7.18	< 0.1	< 1	< 100	304	< 1	0.1	7.57	< 0.1	14	32.6	204	176	0.3	8.21	0.9	0.77	6.4	12.4	1.95	1.3	89.7
66533	1.7	0.06	2.8	41	100	4	< 1	3.5	< 0.01	< 0.1	< 1	2.1	321	705	< 0.1	0.45	< 0.1	0.02	< 0.1	0.3	0.011	0.1	7.7
66296	< 0.1	1.22	2.4	6	< 100	395	< 1	< 0.1	6.58	< 0.1	3	24.8	603	83.1	0.2	2.22	0.2	0.76	1.1	2.1	0.437	0.6	180
66297	< 0.1	3.22	< 0.1	614	< 100	138	< 1	< 0.1	8.39	< 0.1	5	60.4	1010	36.9	0.6	5.96	0.5	1.31	1.8	5.5	0.054	0.9	717
66298	< 0.1	0.06	< 0.1	5	< 100	5	< 1	< 0.1	0.16	< 0.1	< 1	1.1	342	3.7	< 0.1	0.35	< 0.1	0.02	0.2	0.2	0.024	0.2	10.2
66299	< 0.1	1.02	< 0.1	48	< 100	59	< 1	< 0.1	2.42	< 0.1	3	10.2	557	4.2	0.2	1.44	0.2	0.53	1.3	0.4	0.024	0.6	59.3
66300	< 0.1	0.86	< 0.1	< 1	< 100	105	< 1	< 0.1	8.47	< 0.1	4	18.5	639	24.4	0.2	2.32	0.3	0.10	1.5	4.4	0.025	0.5	237
66301	< 0.1	7.27	< 0.1	< 1	< 100	301	1	0.2	5.03	< 0.1	29	42.7	72	327	0.4	6.25	1.6	1.45	12.0	7.8	4.14	3.9	13.6
66302	< 0.1	9.08	< 0.1	< 1	< 100	272	2	< 0.1	3.94	0.3	13	16.3	72	144	0.4	5.77	0.2	0.78	5.2	14.5	4.30	0.2	15.4

Analyte Symbol	Te	Al	Ag	As	Au	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Cs	Fe	Hf	K	La	Li	Na	Nb	Ni
Unit Symbol	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm
Lower Limit	0.1	0.01	0.1	1	100	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.1	0.01	0.1	0.01	0.1	0.1	0.001	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
66303	< 0.1	5.74	0.2	< 1	< 100	70	< 1	< 0.1	2.94	< 0.1	9	8.0	192	550	0.2	2.15	0.2	0.29	3.6	3.4	2.87	0.2	6.8
66304	< 0.1	1.11	< 0.1	< 1	< 100	3	< 1	< 0.1	0.06	< 0.1	< 1	8.4	293	217	< 0.1	2.75	< 0.1	< 0.01	0.1	5.6	0.006	0.2	6.7
67275	< 0.1	2.69	6.9	2900	> 2000	85	< 1	11.6	0.38	46.4	15	6.1	201	182	0.2	4.23	1.0	0.97	6.5	3.5	0.370	2.4	3.0
67276	< 0.1	6.66	0.3	7830	300	661	1	1.0	0.62	3.5	30	67.0	185	200	0.6	2.94	2.6	2.68	13.5	9.6	2.30	8.3	4.5
67277	0.1	0.18	0.8	853	500	12	< 1	< 0.1	0.14	0.5	2	4.6	168	26.7	< 0.1	4.32	< 0.1	0.10	1.1	0.2	0.002	0.3	8.6
67278	< 0.1	7.34	< 0.1	7	< 100	88	< 1	< 0.1	3.99	< 0.1	19	43.2	65	57.4	0.3	9.11	2.6	0.28	7.5	17.3	1.43	4.8	24.8
67279	< 0.1	2.56	0.5	31	< 100	346	4	< 0.1	9.84	0.8	235	52.5	175	172	1.9	11.2	9.4	1.65	110	19.8	0.008	98.2	102
67280 mr	< 0.1	6.00	< 0.1	< 1	< 100	395	< 1	< 0.1	1.63	< 0.1	17	5.5	248	8.7	0.6	1.54	1.2	1.30	7.8	7.9	2.94	1.5	21.4
67281	< 0.1	7.42	< 0.1	8	< 100	448	< 1	< 0.1	4.14	0.1	13	42.5	134	86.1	0.8	8.42	1.0	1.68	5.5	13.3	2.40	0.1	32.2
67282	< 0.1	5.10	< 0.1	< 1	< 100	403	1	< 0.1	9.50	0.1	85	27.0	171	19.0	0.3	6.60	0.4	1.40	32.2	2.5	3.24	1.3	60.6
66305	< 0.1	0.84	0.2	< 1	< 100	2	< 1	< 0.1	0.04	< 0.1	< 1	5.5	274	308	< 0.1	2.44	< 0.1	< 0.01	< 0.1	4.1	0.011	0.2	5.5
66306	< 0.1	8.33	< 0.1	< 1	< 100	153	1	0.1	7.73	< 0.1	40	22.9	88	60.7	0.2	8.12	0.7	0.44	17.2	9.7	2.36	0.3	8.3
66307	0.2	1.99	< 0.1	< 1	< 100	11	< 1	0.3	16.7	< 0.1	35	9.7	87	99.7	0.1	2.85	< 0.1	0.03	21.6	0.5	0.099	0.3	13.6
66308	< 0.1	6.40	0.2	< 1	< 100	221	< 1	0.3	6.20	< 0.1	21	16.6	99	372	0.2	8.48	0.7	0.52	10.6	6.9	1.57	0.5	10.0
66309	< 0.1	5.71	6.7	< 1	> 2000	403	< 1	1.1	3.42	35.4	75	49.6	70	> 10000	0.1	10.2	1.4	0.95	46.8	5.5	2.31	2.4	22.3
66310	< 0.1	5.43	5.7	< 1	700	221	< 1	1.0	4.59	18.1	230	50.4	49	> 10000	0.1	12.0	2.0	0.52	161	5.7	2.19	1.4	25.5
66311	< 0.1	6.43	6.6	4	500	446	< 1	1.2	2.50	13.3	35	23.2	97	> 10000	0.2	8.82	2.2	0.75	22.9	4.5	3.31	2.9	13.4
66312	0.8	2.38	10.6	< 1	1000	63	< 1	0.5	1.42	0.2	17	26.6	179	> 10000	0.1	9.44	1.0	0.41	12.8	3.1	0.915	3.1	47.3
66534	0.1	3.91	21.4	4	1000	40	< 1	1.5	4.69	1.2	9	47.6	128	> 10000	0.1	13.0	1.3	0.09	3.9	9.2	0.249	0.5	8.6
66535	< 0.1	7.21	4.4	3	200	120	< 1	0.7	7.04	0.7	66	50.1	99	9720	0.2	10.6	1.8	0.45	38.6	9.2	1.85	0.4	18.4
66536	< 0.1	6.87	7.6	6	> 2000	178	< 1	2.1	5.12	3.4	13	145	59	> 10000	0.3	11.6	1.5	0.89	3.9	9.5	1.89	2.0	64.1
66537	< 0.1	0.27	< 0.1	26	< 100	15	< 1	< 0.1	0.02	< 0.1	< 1	0.9	288	70.2	< 0.1	0.41	< 0.1	0.10	0.1	0.3	0.015	0.2	5.5
66538	< 0.1	0.08	0.3	61	< 100	4	< 1	0.2	0.01	< 0.1	< 1	1.9	328	86.9	< 0.1	0.63	< 0.1	0.02	0.3	0.2	0.008	0.2	6.6
66539	0.3	5.74	0.5	3	< 100	94	< 1	< 0.1	7.76	< 0.1	40	115	129	1140	< 0.1	10.3	1.6	0.31	17.1	4.9	1.40	12.9	96.7
66854	< 0.1	0.37	1.0	3	> 2000	50	< 1	0.5	0.39	< 0.1	1	1.3	385	21.1	< 0.1	0.51	0.1	0.13	0.5	0.3	0.098	0.5	6.0
66855	< 0.1	0.29	0.5	2	100	45	< 1	0.9	0.07	0.2	< 1	0.9	331	14.9	< 0.1	0.39	< 0.1	0.09	0.4	0.2	0.061	0.3	4.9
66856	< 0.1	0.84	1.9	8	> 2000	104	< 1	1.2	0.09	0.5	8	1.8	277	256	< 0.1	0.61	0.3	0.21	3.7	0.5	0.491	1.1	5.4
66857	< 0.1	0.13	0.1	< 1	< 100	18	< 1	0.3	0.30	< 0.1	< 1	0.6	312	11.0	< 0.1	0.35	< 0.1	0.05	0.4	0.2	0.005	0.3	5.5
66858	0.1	0.36	1.2	5	< 100	74	< 1	2.6	0.18	0.7	< 1	0.9	261	37.0	< 0.1	0.51	< 0.1	0.17	0.4	0.3	0.014	0.2	4.7
66859	< 0.1	0.48	0.6	4	600	55	< 1	0.4	0.28	< 0.1	3	1.3	278	41.6	< 0.1	0.50	0.2	0.14	1.3	0.5	0.176	0.5	6.3
66860	0.1	1.02	0.4	14	< 100	130	< 1	4.7	0.02	< 0.1	14	0.6	274	22.9	0.1	0.53	0.4	0.30	6.7	0.6	0.400	0.2	4.6
66861	0.4	3.73	1.2	53	100	374	1	4.8	0.11	0.3	18	0.9	155	23.6	0.2	0.58	1.4	0.77	9.3	1.6	2.13	5.2	3.8
66862	< 0.1	0.73	< 0.1	56	< 100	77	< 1	0.1	0.02	< 0.1	3	0.6	307	6.6	0.2	0.38	0.2	0.29	1.5	2.7	0.024	0.5	5.4
66863	< 0.1	0.33	2.6	50	< 100	47	< 1	2.2	0.01	0.2	3	0.7	279	212	< 0.1	0.47	< 0.1	0.11	1.7	1.3	0.093	< 0.1	5.3
66864	< 0.1	0.15	6.8	18	< 100	16	< 1	3.0	< 0.01	0.6	< 1	0.5	414	524	< 0.1	0.32	< 0.1	0.05	< 0.1	3.6	0.019	< 0.1	6.0
66865	< 0.1	0.10	9.8	24	< 100	11	< 1	4.8	0.02	1.0	< 1	0.7	402	781	< 0.1	0.28	< 0.1	0.04	< 0.1	1.8	0.015	< 0.1	7.3
66866	< 0.1	0.63	< 0.1	94	< 100	53	< 1	< 0.1	0.21	< 0.1	3	1.2	381	8.1	0.1	0.68	0.3	0.16	1.2	3.3	0.200	1.8	7.5
66867	< 0.1	0.48	< 0.1	5	< 100	44	< 1	0.2	1.49	< 0.1	< 1	4.2	431	8.2	< 0.1	0.53	< 0.1	0.15	0.3	3.2	0.012	< 0.1	33.9
66868	< 0.1	4.89	< 0.1	7	< 100	697	3	0.1	0.03	0.3	260	1.2	134	10.2	0.2	7.30	31.7	2.45	112	4.0	3.02	174	10.0
66869	< 0.1	0.22	3.2	32	< 100	14	< 1	2.8	< 0.01	< 0.1	1	0.5	325	68.5	< 0.1	0.33	< 0.1	0.08	1.9	5.0	0.015	< 0.1	5.5
66870	186	1.32	> 100	19	400	28	< 1	3220	0.81	17.9	6	3.6	278	49.9	0.1	2.10	0.4	0.07	2.8	5.5	0.356	1.5	11.0
66871	0.2	2.21	1.2	69	< 100	293	< 1	4.6	0.07	< 0.1	14	1.0	225	11.3	0.2	0.75	1.0	0.78	7.8	7.7	0.746	0.2	4.1

Analyte Symbol	Te	Al	Ag	As	Au	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Cs	Fe	Hf	K	La	Li	Na	Nb	Ni
Unit Symbol	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm
Lower Limit	0.1	0.01	0.1	1	100	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.1	0.01	0.1	0.01	0.1	0.1	0.001	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
66872	0.3	3.27	1.0	352	< 100	475	< 1	3.4	0.11	0.1	16	1.3	189	17.5	0.3	0.80	1.2	1.24	10.7	12.8	0.944	2.7	4.2
66873	0.3	0.16	2.0	8	< 100	15	< 1	9.7	< 0.01	< 0.1	< 1	0.7	361	7.6	< 0.1	0.43	0.1	0.04	0.5	0.4	0.070	0.4	5.8
66874	0.4	0.65	2.3	50	100	55	< 1	17.0	< 0.01	< 0.1	5	0.7	284	18.9	< 0.1	0.66	0.3	0.16	2.7	1.4	0.332	1.1	5.0
66875	< 0.1	0.17	1.9	42	< 100	9	< 1	3.8	< 0.01	0.2	< 1	0.6	394	39.5	< 0.1	0.32	< 0.1	0.06	0.3	14.2	0.012	< 0.1	5.3
66876	< 0.1	5.05	< 0.1	< 1	< 100	307	2	0.3	4.92	< 0.1	81	32.9	59	106	0.3	6.36	3.2	0.44	34.0	2.7	4.54	1.2	19.1
66877	< 0.1	6.24	< 0.1	6	< 100	610	< 1	< 0.1	2.68	< 0.1	18	20.2	53	240	0.4	5.82	1.5	1.09	6.6	13.4	3.15	0.2	21.0
66878	< 0.1	6.26	< 0.1	22	< 100	594	< 1	< 0.1	4.81	< 0.1	25	18.0	67	133	0.6	5.33	1.4	1.54	10.6	9.9	2.67	0.2	17.9
66879	0.2	7.21	0.3	4	< 100	373	1	0.2	1.03	0.4	43	7.6	65	97.4	0.6	5.33	4.8	1.72	17.0	14.9	2.70	8.6	18.3
66880	< 0.1	0.47	< 0.1	10	< 100	78	< 1	0.2	0.13	< 0.1	1	1.0	309	13.8	< 0.1	0.50	0.2	0.20	0.7	0.4	0.080	1.6	5.1
66881	1.8	1.95	3.1	89	< 100	14	< 1	3.5	0.03	2.1	8	120	129	605	0.2	30.2	0.8	0.55	3.4	9.7	0.018	1.9	173
66882	0.7	4.16	2.3	132	< 100	27	< 1	0.6	0.10	4.5	19	14.0	123	937	0.6	17.4	1.7	1.38	8.1	20.6	0.070	4.4	274
66883	0.4	5.01	0.2	419	< 100	75	< 1	0.6	0.34	4.8	21	21.1	154	296	< 0.1	7.17	3.4	0.20	9.7	8.3	3.21	7.7	167
66884	< 0.1	0.29	< 0.1	9	< 100	56	< 1	0.4	0.40	0.1	< 1	2.0	319	31.2	< 0.1	0.68	< 0.1	0.12	0.4	0.7	0.015	0.3	5.7
66885	< 0.1	2.68	0.1	14	< 100	400	< 1	0.1	3.70	< 0.1	12	17.2	284	199	0.3	3.60	0.6	0.85	5.2	5.5	0.564	2.7	16.1
66886	< 0.1	1.65	0.2	12	< 100	185	< 1	0.2	3.24	0.1	5	22.4	275	634	0.2	3.68	0.3	0.37	2.2	3.7	0.406	1.5	19.7
66887	3.4	1.31	0.2	11	< 100	205	< 1	6.8	0.13	< 0.1	8	23.9	336	232	0.2	3.64	0.3	0.26	3.4	3.0	0.370	1.3	15.0
66888	1.9	2.48	< 0.1	< 1	< 100	568	< 1	6.5	2.43	< 0.1	10	5.8	258	66.3	0.3	2.04	1.1	1.05	4.2	4.6	0.122	2.3	5.1
66889	0.9	0.09	0.2	1	< 100	7	< 1	2.5	2.90	< 0.1	2	2.3	264	259	< 0.1	0.75	< 0.1	0.01	0.8	0.4	0.014	0.2	5.1
66890	0.2	6.32	< 0.1	< 1	< 100	588	1	0.8	0.87	< 0.1	24	16.1	74	207	0.3	5.64	4.2	1.39	9.3	13.0	4.70	8.9	5.9
66891 mr	< 0.1	5.63	< 0.1	< 1	< 100	398	1	< 0.1	1.87	< 0.1	15	5.8	223	10.0	0.7	1.53	1.2	1.29	6.8	8.4	3.23	0.4	23.0
66892	0.3	1.15	0.2	18	< 100	117	< 1	0.8	0.09	< 0.1	2	38.6	329	389	0.4	4.31	0.2	0.47	1.2	3.4	0.052	0.7	8.8
67283	< 0.1	6.43	< 0.1	< 1	< 100	777	2	0.7	0.50	0.2	25	0.5	210	18.1	0.4	0.98	3.7	2.37	11.1	1.3	3.67	11.8	3.3
67284	< 0.1	4.89	< 0.1	< 1	< 100	98	20	0.6	0.24	0.4	369	0.4	134	9.9	0.5	3.85	71.7	1.63	165	38.5	2.50	52.9	2.0
67285	< 0.1	8.44	< 0.1	< 1	< 100	101	< 1	< 0.1	5.67	< 0.1	20	33.6	16	16.1	1.5	8.55	1.4	0.18	7.7	8.8	3.90	< 0.1	1.8
67286	< 0.1	2.60	< 0.1	401	< 100	567	1	0.4	10.5	< 0.1	2	32.5	724	2.4	0.5	4.18	0.3	1.26	1.0	3.8	0.175	0.2	255
67287	< 0.1	2.52	< 0.1	< 1	< 100	280	4	0.2	6.22	0.3	566	58.2	275	177	4.6	14.3	1.2	3.45	266	69.6	2.16	0.3	239
67288	< 0.1	7.59	< 0.1	8	< 100	78	< 1	< 0.1	5.89	0.1	21	22.4	49	30.1	< 0.1	8.72	1.5	0.13	7.3	8.3	1.91	1.1	4.7
67289	< 0.1	5.25	1.0	15	< 100	780	7	0.1	7.13	0.3	929	36.9	130	74.9	1.8	7.81	1.1	3.89	542	116	2.37	72.5	63.2
67290	< 0.1	5.82	< 0.1	2	< 100	827	2	0.2	0.49	< 0.1	19	0.6	123	6.0	0.5	0.90	3.3	3.44	7.9	2.3	3.26	11.5	3.4
66540 mr	0.3	5.01	1.1	3	700	78	< 1	6.7	3.67	< 0.1	16	17.1	60	4450	24.6	22.2	1.3	2.49	7.7	95.2	0.670	10.2	15.4
66541	0.1	2.24	1.2	< 1	100	68	< 1	0.3	4.04	1.1	23	150	571	3830	0.1	10.3	1.1	0.21	8.4	2.6	0.244	2.0	523
66542	0.3	6.41	< 0.1	12	< 100	85	< 1	1.2	4.23	< 0.1	32	37.5	127	28.1	0.3	9.86	2.0	0.66	12.1	7.0	2.88	7.7	16.3
66543	< 0.1	3.11	< 0.1	50	< 100	81	< 1	< 0.1	3.38	< 0.1	6	62.7	1560	80.8	0.4	6.70	0.7	1.63	2.7	4.2	0.031	0.5	799
66544	< 0.1	0.94	1.2	175	< 100	279	< 1	< 0.1	11.0	0.2	4	16.7	593	166	0.3	2.88	0.2	0.51	1.6	3.0	0.142	0.3	229
66545	0.6	7.01	< 0.1	5	< 100	457	2	0.2	2.13	< 0.1	4	5.8	71	315	0.2	1.83	4.4	2.22	1.7	3.7	5.94	3.1	6.3
66546	0.1	7.11	1.3	4	< 100	270	3	0.2	5.08	< 0.1	34	17.4	83	760	0.3	2.84	5.3	2.01	13.7	4.2	4.29	113	22.8
66547	0.2	3.34	0.7	2	< 100	128	< 1	0.7	0.45	12.1	9	15.4	264	267	0.8	5.25	2.0	0.72	4.4	14.0	1.12	15.9	205
66548	< 0.1	4.30	< 0.1	73	< 100	166	< 1	< 0.1	13.1	< 0.1	2	59.2	881	75.0	1.2	5.09	0.5	0.90	1.0	35.5	0.902	0.4	600
66549	< 0.1	3.76	0.1	11	< 100	60	3	0.5	12.2	0.5	280	43.7	190	118	1.4	9.63	0.6	1.70	139	8.0	0.237	4.9	90.2
66550	1.9	4.31	< 0.1	80	< 100	81	< 1	3.3	2.32	0.3	47	8.9	219	97.4	1.4	3.12	4.5	0.13	21.2	2.6	3.81	14.2	15.3
66551	0.2	1.31	0.1	53	< 100	8	< 1	0.2	7.05	0.3	7	13.1	211	166	< 0.1	4.97	0.5	0.01	3.7	6.8	0.005	0.9	64.3
66552	0.7	2.99	2.9	23	800	28	< 1	4.2	0.34	42.6	11	84.0	150	801	0.2	24.2	1.5	0.40	5.1	6.2	1.54	4.0	1330

Analyte Symbol	Te	Al	Ag	As	Au	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Cs	Fe	Hf	K	La	Li	Na	Nb	Ni
Unit Symbol	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm
Lower Limit	0.1	0.01	0.1	1	100	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.1	0.01	0.1	0.01	0.1	0.1	0.001	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
66553	< 0.1	2.61	< 0.1	< 1	< 100	138	< 1	< 0.1	12.3	0.3	72	36.9	126	74.6	< 0.1	7.41	0.8	0.23	36.3	2.1	2.13	0.3	81.3
66313	< 0.1	1.40	< 0.1	6	< 100	35	< 1	< 0.1	7.09	< 0.1	13	4.2	249	4.5	0.2	6.40	< 0.1	0.24	5.7	11.4	0.083	0.8	9.5
66314	< 0.1	2.93	1.5	539	< 100	202	< 1	0.2	5.54	12.6	5	50.9	1240	167	0.5	5.45	0.6	1.71	1.9	2.2	0.052	1.1	474
66315	< 0.1	1.11	< 0.1	239	< 100	57	< 1	< 0.1	3.07	< 0.1	2	19.6	611	9.0	0.2	4.68	0.4	0.65	0.9	1.3	0.014	0.3	245
66317	< 0.1	1.73	< 0.1	< 1	< 100	7	< 1	< 0.1	21.5	< 0.1	11	22.7	25	46.0	< 0.1	7.30	0.4	0.03	5.9	1.4	0.093	1.4	15.7
66318	< 0.1	8.34	< 0.1	< 1	< 100	91	< 1	< 0.1	8.11	< 0.1	39	22.1	79	33.2	< 0.1	7.52	0.6	0.25	17.2	6.6	2.44	0.2	6.0
66319	< 0.1	7.76	< 0.1	< 1	< 100	113	< 1	0.1	5.01	< 0.1	29	34.8	170	594	0.2	8.72	0.8	0.40	11.3	15.8	3.06	1.6	18.7
66320	0.2	5.84	< 0.1	1	< 100	119	< 1	0.7	6.54	< 0.1	15	24.1	142	404	0.6	14.9	2.0	0.45	5.2	6.8	1.24	7.9	24.0
66321	< 0.1	8.89	< 0.1	< 1	< 100	195	< 1	0.1	7.39	< 0.1	31	33.7	152	25.9	0.5	5.87	2.2	0.61	14.3	19.2	2.03	0.3	31.3
66322	< 0.1	6.92	< 0.1	< 1	< 100	216	< 1	0.1	3.97	0.1	21	22.8	127	117	2.0	4.77	1.9	1.71	9.2	18.0	1.16	0.8	31.5
66323	< 0.1	8.51	0.5	< 1	< 100	148	< 1	0.2	4.69	0.1	17	22.6	91	3460	0.5	6.67	1.2	0.99	7.3	14.8	3.58	1.9	27.0
66324	< 0.1	9.01	0.2	< 1	< 100	130	< 1	0.2	8.23	< 0.1	19	36.7	61	198	0.3	8.24	0.3	0.50	8.1	5.2	2.99	0.8	16.5
66325	< 0.1	7.87	< 0.1	1	< 100	448	< 1	0.1	3.11	< 0.1	19	44.4	357	58.8	0.2	6.29	2.3	1.15	7.8	10.5	3.75	2.5	193
66326	< 0.1	8.00	< 0.1	2	< 100	315	< 1	< 0.1	4.95	0.2	10	14.4	47	17.9	0.1	5.40	0.6	0.48	4.9	8.5	3.60	0.8	4.5
66327	< 0.1	0.03	< 0.1	< 1	< 100	2	< 1	< 0.1	0.02	< 0.1	< 1	0.6	271	8.9	< 0.1	0.28	< 0.1	< 0.01	< 0.1	0.2	0.012	0.2	5.1
66328	< 0.1	0.36	< 0.1	< 1	< 100	8	< 1	0.1	0.32	< 0.1	2	2.5	303	32.1	< 0.1	0.48	< 0.1	0.02	0.7	0.7	0.016	0.3	21.3
66329	< 0.1	5.78	< 0.1	3	< 100	6	< 1	0.6	11.9	0.3	13	38.5	1220	405	< 0.1	9.99	0.8	0.10	6.2	0.9	0.199	2.1	347
66330 mr	< 0.1	5.85	< 0.1	< 1	< 100	393	1	< 0.1	1.77	< 0.1	16	6.0	162	9.1	0.7	1.52	0.8	1.31	8.2	8.2	3.04	< 0.1	23.1
66331	0.2	6.00	1.7	< 1	200	359	< 1	0.1	4.81	0.2	23	29.6	70	3300	0.8	9.67	3.0	0.78	8.6	7.5	3.55	10.0	79.2
66332	< 0.1	5.68	< 0.1	< 1	< 100	94	1	< 0.1	1.82	< 0.1	14	2.2	115	38.2	< 0.1	0.76	4.3	0.21	6.2	1.9	4.76	2.6	2.6
66333	< 0.1	0.56	< 0.1	< 1	< 100	28	< 1	< 0.1	2.74	< 0.1	4	2.5	323	4.7	0.1	0.69	0.1	0.16	1.9	3.2	0.043	0.5	7.8
66334	< 0.1	5.98	< 0.1	8	< 100	181	< 1	0.2	4.04	0.1	15	6.3	191	67.4	0.1	3.41	0.2	0.51	6.8	4.5	2.11	< 0.1	9.0
66335	< 0.1	7.73	0.2	< 1	< 100	166	< 1	0.3	7.24	0.2	18	47.5	131	334	0.2	8.35	0.2	0.48	7.7	4.2	2.78	0.4	32.4
66336	< 0.1	0.47	< 0.1	< 1	< 100	4	< 1	< 0.1	0.21	< 0.1	< 1	4.9	351	27.3	< 0.1	1.25	< 0.1	< 0.01	< 0.1	2.4	0.017	0.2	8.7
66337	< 0.1	2.77	< 0.1	1	< 100	8	< 1	< 0.1	2.96	< 0.1	7	6.0	288	15.6	< 0.1	1.27	< 0.1	0.02	3.4	0.9	0.844	< 0.1	11.9
66338	< 0.1	7.95	< 0.1	3	< 100	69	< 1	< 0.1	6.57	< 0.1	18	33.5	94	69.4	0.2	6.93	0.3	0.29	7.7	8.7	2.79	2.2	27.7
66339	< 0.1	6.93	< 0.1	< 1	< 100	91	< 1	< 0.1	8.42	< 0.1	16	44.6	259	16.9	0.4	7.16	0.6	0.65	6.9	4.5	1.96	1.1	84.7
66340	< 0.1	4.44	< 0.1	< 1	< 100	19	< 1	< 0.1	1.36	< 0.1	5	31.1	261	1.6	0.1	6.37	0.1	0.06	2.0	13.5	0.696	1.4	41.9
67291	< 0.1	5.50	< 0.1	< 1	< 100	307	2	< 0.1	2.76	0.2	42	27.1	75	88.8	< 0.1	8.90	3.4	0.40	20.3	18.5	3.47	4.8	8.1
67292	< 0.1	4.53	< 0.1	< 1	< 100	279	5	< 0.1	0.25	0.2	32	4.5	142	4.2	0.4	3.23	17.2	1.41	10.0	15.4	5.72	114	6.7
67293	< 0.1	7.26	< 0.1	1	< 100	162	< 1	< 0.1	7.58	0.2	16	37.2	117	104	< 0.1	7.70	0.9	0.26	6.9	6.6	2.28	0.7	36.7
67294	< 0.1	4.05	< 0.1	408	< 100	155	< 1	< 0.1	3.07	< 0.1	6	67.7	1560	87.0	0.2	7.66	1.1	0.19	2.4	18.4	1.01	< 0.1	731
67295	< 0.1	5.85	< 0.1	1	< 100	98	< 1	0.2	3.79	0.2	20	52.2	441	135	0.3	8.73	1.1	0.17	9.3	32.4	1.87	0.2	341
67296	< 0.1	4.70	< 0.1	27	< 100	253	< 1	< 0.1	7.74	0.1	19	63.5	728	102	0.7	7.29	1.8	0.74	7.7	29.7	0.516	0.1	504
67297	< 0.1	2.03	< 0.1	< 1	< 100	311	3	< 0.1	22.8	< 0.1	92	33.3	256	40.4	0.1	7.30	0.9	1.20	39.3	3.6	0.024	0.2	75.6
67298	< 0.1	3.94	< 0.1	63	< 100	158	< 1	< 0.1	8.96	< 0.1	30	43.9	352	88.1	0.4	7.25	2.6	0.58	12.4	6.1	1.10	1.2	185
67299	< 0.1	3.78	< 0.1	276	< 100	251	< 1	< 0.1	6.20	< 0.1	7	57.6	980	73.3	0.9	6.68	0.9	0.85	2.7	7.4	0.575	< 0.1	522
67300 mr	0.1	4.27	0.5	170	200	127	< 1	5.7	3.91	< 0.1	106	348	48	5320	0.6	19.3	3.2	3.05	108	14.8	0.985	0.7	66.8
67301	< 0.1	7.88	< 0.1	< 1	< 100	1140	< 1	< 0.1	5.04	< 0.1	16	27.5	64	52.0	< 0.1	7.53	0.9	0.19	6.4	12.1	3.31	1.7	14.8
67302	< 0.1	5.16	< 0.1	238	< 100	375	< 1	< 0.1	9.07	0.2	20	54.2	622	119	0.6	7.52	0.9	2.37	8.1	6.6	0.420	0.2	200
67303	< 0.1	8.44	0.3	2	< 100	264	< 1	< 0.1	5.87	0.2	18	33.4	78	77.6	0.1	7.58	0.5	0.32	7.5	8.9	2.79	< 0.1	29.6

Analyte Symbol	Te	Al	Ag	As	Au	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Cs	Fe	Hf	K	La	Li	Na	Nb	Ni
Unit Symbol	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm
Lower Limit	0.1	0.01	0.1	1	100	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.1	0.01	0.1	0.01	0.1	0.1	0.001	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
67304	< 0.1	8.30	< 0.1	3	< 100	181	< 1	< 0.1	5.80	0.1	19	33.3	72	80.8	< 0.1	7.46	0.6	0.27	8.1	7.5	3.53	0.4	16.3
67305	< 0.1	8.11	< 0.1	< 1	< 100	199	< 1	< 0.1	5.75	0.6	22	39.5	104	92.0	0.4	7.40	0.9	0.79	9.3	9.9	2.98	1.6	54.6
67306	< 0.1	0.53	< 0.1	7	< 100	253	< 1	< 0.1	7.11	< 0.1	7	3.6	159	4.2	0.1	2.30	0.4	0.30	3.7	3.9	0.008	4.2	17.2
67307	< 0.1	3.84	< 0.1	369	< 100	137	< 1	< 0.1	11.6	< 0.1	14	62.2	1020	71.9	0.5	6.96	1.2	0.96	5.7	6.4	0.509	< 0.1	329
67308	< 0.1	4.45	< 0.1	46	< 100	456	< 1	< 0.1	5.25	< 0.1	12	11.8	186	12.0	0.2	3.12	1.7	2.11	5.2	1.4	0.719	0.7	24.8
66554	0.8	1.03	< 0.1	97	< 100	104	< 1	0.3	3.07	0.5	7	42.2	153	394	< 0.1	7.24	0.2	0.05	3.9	1.9	0.150	0.6	131
66555	1.1	0.55	0.5	144	< 100	23	< 1	0.6	0.59	< 0.1	8	24.6	193	617	0.8	15.9	0.1	0.02	7.3	0.3	0.001	0.6	155
66556	2.2	0.85	< 0.1	57	< 100	8	< 1	0.4	0.08	< 0.1	2	26.3	229	2710	< 0.1	6.57	0.3	< 0.01	1.4	0.8	0.152	1.2	38.0
66557	0.9	0.13	< 0.1	13	< 100	6	< 1	0.2	0.05	0.3	2	6.4	256	2750	< 0.1	3.24	< 0.1	< 0.01	1.3	0.2	0.011	0.4	17.9
66558	< 0.1	3.68	< 0.1	58	< 100	22	< 1	< 0.1	5.51	0.1	6	69.8	1110	87.2	0.3	6.75	1.0	0.20	2.1	15.3	0.050	< 0.1	868
66559	< 0.1	0.11	0.6	3	< 100	22	< 1	< 0.1	0.12	< 0.1	< 1	8.7	415	2560	< 0.1	1.01	< 0.1	0.02	0.1	0.4	0.043	0.2	11.7
66560	< 0.1	0.12	< 0.1	3	< 100	25	< 1	< 0.1	0.13	< 0.1	< 1	1.9	280	808	< 0.1	0.45	< 0.1	0.03	0.2	0.4	0.030	0.2	6.9
66561	3.5	5.39	< 0.1	97	< 100	53	< 1	0.8	0.78	0.2	11	79.8	112	772	< 0.1	20.4	2.1	0.06	4.5	6.0	1.85	5.1	227
66562	0.1	1.59	1.8	261	> 2000	138	< 1	8.7	0.01	< 0.1	10	6.7	178	78.3	0.1	4.12	0.9	0.71	4.7	1.1	0.067	1.7	3.2
66563	< 0.1	0.79	2.2	35	> 2000	11	< 1	< 0.1	0.06	< 0.1	7	4.2	263	49.0	< 0.1	3.28	1.0	0.16	3.0	2.8	0.004	2.8	12.9
66564	< 0.1	5.22	0.2	35	800	584	< 1	0.4	0.11	0.3	19	2.4	116	12.1	0.3	2.15	2.2	2.41	8.3	5.6	0.163	5.3	2.1
66565	0.2	0.19	0.6	51	< 100	23	< 1	< 0.1	< 0.01	0.2	3	7.0	375	77.6	0.2	3.43	0.1	0.09	1.7	0.3	0.007	0.7	31.4
66566	0.3	2.78	1.0	5880	> 2000	39	< 1	0.1	0.21	1.0	34	45.0	242	85.8	0.2	11.1	2.5	0.51	14.4	10.0	0.008	6.2	49.4
66567	0.5	0.35	0.1	1180	300	12	< 1	< 0.1	0.29	5.2	3	2.6	298	19.2	< 0.1	1.46	0.1	0.15	1.3	1.0	0.002	0.9	6.5
66568	0.3	0.62	0.4	1960	200	23	< 1	0.2	0.43	0.1	5	6.8	213	97.3	0.1	7.31	0.3	0.30	2.2	1.7	0.004	2.5	14.5
66569	1.0	0.52	0.3	3860	800	31	< 1	< 0.1	0.07	2.9	2	4.9	364	10.7	0.1	0.98	0.2	0.30	0.9	1.1	0.014	0.5	24.4
66570	0.4	0.40	1.7	1770	1000	15	< 1	0.1	0.24	1.1	7	36.5	278	207	< 0.1	6.91	0.3	0.22	3.9	0.9	0.003	1.0	173
66571	0.2	3.00	0.5	> 10000	> 2000	46	< 1	1.5	0.06	43.1	20	4.6	154	26.1	0.2	8.75	0.9	1.49	8.9	2.4	0.092	0.3	2.4
66572	< 0.1	4.43	< 0.1	> 10000	1600	214	< 1	1.0	0.10	3.3	25	4.0	168	11.0	0.3	3.68	2.0	2.23	11.4	3.4	0.201	3.0	3.2
66573	< 0.1	3.09	0.2	191	< 100	298	< 1	0.5	0.04	0.3	9	2.7	165	14.6	0.2	1.67	1.0	1.53	4.2	2.5	0.089	2.5	2.8
66574	< 0.1	3.07	1.0	5060	600	211	< 1	2.9	0.06	2.5	12	3.0	155	22.1	0.2	3.20	1.0	1.48	5.6	3.3	0.079	2.5	3.2
66575	0.7	0.68	0.9	1010	200	21	< 1	0.3	0.03	3.2	16	10.0	303	177	0.1	3.92	0.6	0.28	7.4	1.9	0.007	3.2	24.9
66576	4.3	0.54	0.6	> 10000	> 2000	30	< 1	0.2	0.10	5.7	5	6.2	288	34.6	0.1	1.71	0.3	0.34	2.0	1.2	0.004	0.9	17.0
66577	0.2	1.36	0.2	555	200	21	< 1	< 0.1	0.17	< 0.1	21	12.3	287	138	< 0.1	5.89	1.6	0.17	8.4	4.9	0.007	6.6	18.8
66578	22.3	4.72	< 0.1	> 10000	600	124	1	0.5	0.76	< 0.1	147	1130	71	553	0.2	15.8	3.6	0.26	69.9	5.9	2.16	6.9	18.3
66579	36.5	4.35	1.1	> 10000	900	98	1	0.6	0.84	< 0.1	266	1420	90	1480	0.2	14.8	2.9	0.36	125	4.5	2.10	2.5	25.2
66580 mr	< 0.1	6.19	< 0.1	158	< 100	424	1	< 0.1	1.81	< 0.1	18	6.0	151	11.4	0.8	1.53	1.2	1.35	8.5	8.6	3.13	0.6	22.5
67199 MR	0.6	2.71	2.1	543	700	49	< 1	13.3	3.51	< 0.1	101	678	39	> 10000	0.5	26.6	2.6	2.51	71.5	14.1	0.228	3.1	63.6

Analyte Symbol	P	Rb	Pb	S	Mg	Mn	Mo	Sb	Sc	Sn	Sr	Ta	Th	Ti	Tl	U	V	W	Y	Zn	Zr	As	Cu
Unit Symbol	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
Lower Limit	0.001	0.1	0.1	1	0.01	1	0.1	0.1	1	0.1	1	0.1	0.1	0.001	0.05	0.1	4	0.1	0.1	1	0.1	0.01	0.005
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	FUS-Na2O2	FUS-Na2O2
66826 39138-A	0.012	30.9	3.1	< 1	1.74	1690	9.8	1.5	12	1.8	196	< 0.1	0.2	0.111	0.11	0.1	52	20.8	6.4	32	23.6		
66827	0.004	19.8	4.9	< 1	1.84	785	17.4	0.5	10	0.8	69	< 0.1	< 0.1	0.042	0.11	0.3	37	4.7	5.0	47	4.5		
66828	0.005	0.6	45.2	< 1	< 0.01	39	15.7	6.2	< 1	0.3	2	< 0.1	< 0.1	0.002	< 0.05	0.2	< 4	0.1	0.4	84	5.6		
66829	0.073	15.7	17.3	< 1	0.21	531	8.6	4.5	4	1.2	154	0.1	1.2	0.324	0.15	0.3	50	36.4	3.6	40	138		
66830	0.039	4.7	2070	< 1	0.03	227	14.8	4.0	2	0.6	40	< 0.1	0.4	0.063	< 0.05	0.1	12	10.1	1.5	64	2.7		
66831 mr	0.071	95.5	22.0	< 1	1.22	670	7.4	2.4	14	0.9	280	0.1	2.9	0.325	1.03	2.2	122	3.8	9.6	95	76.9		
66832	0.098	22.2	500	< 1	0.26	463	13.0	5.8	5	1.9	98	< 0.1	1.3	0.221	0.13	0.4	48	16.0	4.8	50	93.8		
66833	0.036	9.6	292	< 1	0.04	195	15.2	3.5	3	1.2	82	< 0.1	0.8	0.123	0.06	0.2	25	7.5	2.0	33	52.9		
66834	0.056	3.1	> 5000	< 1	0.02	116	19.3	6.4	< 1	0.2	12	< 0.1	< 0.1	0.013	0.12	< 0.1	< 4	1.3	0.7	15	0.8		
66835	0.017	2.6	664	< 1	0.02	156	17.8	4.6	< 1	0.5	8	< 0.1	< 0.1	0.014	< 0.05	< 0.1	< 4	2.4	0.6	124	6.7		
66836	< 0.001	6.4	> 5000	< 1	0.30	159	19.0	8.3	5	1.0	11	< 0.1	< 0.1	0.034	1.38	< 0.1	25	110	1.2	1140	3.5		
66837	0.100	9.5	30.0	< 1	0.94	1280	3.0	< 0.1	14	0.2	889	< 0.1	1.7	0.394	< 0.05	0.4	86	0.2	14.1	31	39.1		
66838	< 0.001	0.5	52.7	< 1	0.01	147	23.6	4.9	< 1	0.4	7	< 0.1	< 0.1	0.003	< 0.05	< 0.1	< 4	0.8	0.4	4	0.9		
66839	< 0.001	1.0	937	< 1	0.05	66	18.4	2.3	< 1	0.5	7	< 0.1	< 0.1	0.005	< 0.05	< 0.1	< 4	0.5	0.3	6	1.3		
66840	0.002	12.2	728	< 1	1.39	449	15.6	3.8	13	1.4	28	< 0.1	< 0.1	0.077	< 0.05	< 0.1	62	1.3	3.3	63	6.8		
66841	0.004	7.9	138	< 1	0.82	354	15.9	2.6	9	0.8	30	< 0.1	< 0.1	0.061	< 0.05	< 0.1	42	0.2	3.5	48	6.4		
66842	0.032	9.9	1130	< 1	0.11	109	19.7	0.8	2	1.1	98	0.2	0.8	0.119	0.06	0.2	12	3.1	1.8	101	58.9		
66843	0.001	0.5	1.4	< 1	0.33	101	19.9	0.6	< 1	0.5	4	< 0.1	< 0.1	0.010	< 0.05	< 0.1	10	0.6	0.2	12	1.6		
66844	0.016	10.9	6.7	< 1	0.18	302	21.1	0.7	2	0.7	19	< 0.1	0.4	0.055	0.06	0.1	16	2.4	1.7	17	8.2		
66845	0.040	17.7	516	< 1	0.17	125	15.2	0.5	3	1.1	109	< 0.1	0.9	0.150	0.09	0.3	24	10.1	2.2	92	18.7		
66846	0.034	9.3	1130	< 1	0.08	73	17.6	0.5	2	0.8	101	< 0.1	0.8	0.110	0.07	0.2	12	3.1	2.1	511	17.8		
66847	0.072	14.3	92.9	< 1	0.24	251	9.5	1.1	3	1.5	206	0.3	1.3	0.255	0.10	0.4	29	3.7	3.0	129	133		
66848	< 0.001	4.1	2.9	< 1	< 0.01	82	21.5	1.9	< 1	0.5	2	< 0.1	< 0.1	0.009	< 0.05	< 0.1	< 4	< 0.1	0.4	10	2.8		
66849	0.041	11.9	3110	< 1	0.98	341	7.4	< 0.1	6	0.7	44	< 0.1	1.2	0.221	0.26	0.4	37	0.2	10.4	62	10.4		
66850	0.006	9.1	50.7	< 1	0.01	51	18.9	3.6	2	0.2	5	< 0.1	1.7	0.010	0.06	0.3	< 4	0.2	29.6	11	4.0		
66851 mr	0.054	34.9	> 5000	> 10.0	1.20	623	18.4	12.5	9	8.3	33	0.3	3.1	0.128	1.12	1.3	33	4.4	14.9	> 10000	125		3.03
66852	0.004	8.0	9.2	< 1	0.02	128	14.4	3.0	2	1.2	49	< 0.1	5.1	0.032	< 0.05	1.2	6	2.7	6.3	9	60.6		
66853	0.003	6.4	42.7	< 1	0.02	289	18.2	3.3	3	0.5	122	0.1	1.9	0.013	< 0.05	0.4	4	0.7	8.2	46	20.6		
66527	0.028	11.3	2.1	< 1	2.32	545	264	0.6	10	2.7	182	0.6	2.9	0.312	0.09	1.8	97	0.5	7.2	100	116		
66528	0.014	49.6	20.2	< 1	0.09	179	22.4	0.2	2	1.1	104	< 0.1	1.8	0.062	0.24	0.6	8	26.4	1.6	8	23.7		
66529	0.053	30.2	6.0	4	1.42	766	5.6	1.5	18	1.4	218	0.3	0.7	0.693	0.30	0.4	201	0.9	6.8	49	34.0		
66530	0.050	10.3	4.8	4	2.90	546	10.1	0.8	23	1.1	304	0.3	1.1	0.497	0.08	0.5	166	1.7	8.1	41	53.2		
66531	0.002	8.7	0.4	< 1	0.10	70	18.0	0.4	1	0.2	7	< 0.1	< 0.1	0.036	< 0.05	< 0.1	18	0.4	0.7	5	2.8		
66532	0.033	21.4	1.5	< 1	3.85	1200	1.6	0.1	44	0.5	293	< 0.1	0.5	0.523	0.10	0.3	282	< 0.1	12.1	65	32.4		
66533	< 0.001	0.7	6.7	< 1	< 0.01	30	19.7	0.7	< 1	0.3	3	< 0.1	< 0.1	0.002	< 0.05	< 0.1	< 4	0.2	0.2	< 1	0.8		
66296	0.028	12.9	1.5	< 1	3.54	954	12.8	0.5	9	0.6	194	< 0.1	< 0.1	0.116	0.07	0.4	48	0.2	4.9	20	7.3		
66297	0.019	43.4	0.9	< 1	8.37	1160	0.8	1.0	25	0.6	236	< 0.1	0.2	0.246	0.30	< 0.1	154	0.2	6.8	42	21.1		
66298	< 0.001	0.6	< 0.1	< 1	0.06	78	21.4	1.0	< 1	0.3	< 1	< 0.1	< 0.1	0.002	< 0.05	< 0.1	< 4	0.2	0.2	2	0.7		
66299	0.006	14.7	0.3	< 1	1.03	374	16.0	1.0	7	0.8	45	< 0.1	0.3	0.057	0.08	0.3	28	2.4	1.7	9	9.8		
66300	< 0.001	2.3	0.9	< 1	4.09	826	13.6	0.1	8	0.7	130	< 0.1	< 0.1	0.096	< 0.05	< 0.1	45	0.1	5.0	19	10.9		
66301	0.118	34.8	11.6	2	1.57	689	0.6	0.1	26	1.9	476	< 0.1	1.4	0.767	0.31	0.6	147	0.2	20.6	42	60.7		

Analyte Symbol	P	Rb	Pb	S	Mg	Mn	Mo	Sb	Sc	Sn	Sr	Ta	Th	Ti	Tl	U	V	W	Y	Zn	Zr	As	Cu
Unit Symbol	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
Lower Limit	0.001	0.1	0.1	1	0.01	1	0.1	0.1	1	0.1	1	0.1	0.1	0.001	0.05	0.1	4	0.1	0.1	1	0.1	0.01	0.005
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	FUS-Na2O2	FUS-Na2O2
66302	0.059	18.0	7.3	< 1	2.49	854	0.2	< 0.1	17	< 0.1	195	< 0.1	0.6	0.160	0.11	0.3	61	< 0.1	9.4	137	7.2		
66303	0.033	8.3	2.7	< 1	0.44	250	2.9	< 0.1	11	0.5	153	< 0.1	0.4	0.299	< 0.05	0.2	54	< 0.1	6.5	20	5.9		
66304	< 0.001	0.3	0.2	< 1	1.05	268	20.4	0.4	< 1	0.4	3	< 0.1	< 0.1	0.010	< 0.05	< 0.1	33	0.2	0.2	36	1.3		
67275	0.015	23.3	785	3	0.09	122	15.8	2.6	3	1.4	43	0.2	1.2	0.068	0.10	0.6	9	1.2	12.3	8420	42.5		
67276	0.040	65.3	103	< 1	0.23	312	15.3	3.6	8	2.5	98	0.5	3.1	0.192	0.25	1.4	23	1.5	17.6	475	112		
67277	0.002	2.4	154	4	0.03	65	20.9	13.9	< 1	0.5	2	< 0.1	< 0.1	0.006	< 0.05	0.9	6	0.7	2.4	132	4.4		
67278	0.058	11.1	3.3	< 1	5.38	1140	2.5	0.3	47	1.1	122	0.3	1.6	0.734	0.09	0.8	311	0.3	25.5	101	100		
67279	0.226	76.1	2.4	< 1	4.33	2000	2.6	0.1	36	2.9	583	5.6	14.8	2.29	0.95	2.7	310	2.4	24.4	411	387		
67280 mr	0.019	47.6	6.7	< 1	0.62	258	13.3	0.1	6	0.7	352	< 0.1	1.2	0.156	0.25	0.3	35	< 0.1	5.8	18	49.4		
67281	0.039	40.8	0.8	< 1	3.15	1390	0.1	< 0.1	47	< 0.1	142	< 0.1	0.6	0.316	0.43	0.4	237	< 0.1	13.6	100	32.8		
67282	0.611	39.6	1.6	< 1	2.20	1550	0.8	< 0.1	26	< 0.1	361	< 0.1	7.7	0.151	< 0.05	0.7	110	0.4	84.8	65	33.6		
66305	< 0.001	0.3	0.3	< 1	0.81	200	18.9	0.2	< 1	0.4	2	< 0.1	< 0.1	0.006	< 0.05	< 0.1	27	0.1	0.1	25	1.0		
66306	0.114	7.2	1.2	< 1	1.59	1100	0.2	< 0.1	24	0.2	513	< 0.1	2.0	0.207	0.06	0.9	89	< 0.1	28.6	60	28.7		
66307	0.032	1.3	0.5	< 1	0.20	467	238	2.6	3	1.9	559	< 0.1	0.1	0.033	< 0.05	0.2	72	0.5	17.2	9	3.8		
66308	0.071	17.3	14.1	< 1	2.16	738	1.3	0.1	24	2.0	300	< 0.1	0.6	0.321	0.10	1.4	125	< 0.1	18.0	47	24.1		
66309	0.149	17.6	1.6	2	2.07	807	16.3	0.1	24	4.2	227	< 0.1	1.3	0.452	0.16	2.4	146	< 0.1	20.6	6970	55.5		1.90
66310	0.129	8.6	2.1	2	2.43	965	2.0	< 0.1	26	4.0	248	< 0.1	2.5	0.484	0.07	3.3	278	< 0.1	26.3	3630	84.0		1.76
66311	0.161	15.8	2.5	2	1.58	612	34.9	0.1	25	2.7	239	< 0.1	1.4	0.746	0.12	1.6	212	0.4	13.8	2990	98.2		1.42
66312	0.063	8.4	20.7	5	0.59	213	20.6	1.6	8	1.9	72	0.2	0.8	0.113	0.09	1.2	98	0.5	9.2	52	39.3		3.04
66534	0.058	1.6	6.1	3	3.20	722	3.8	0.1	21	2.9	221	< 0.1	1.2	0.309	< 0.05	0.9	215	< 0.1	12.7	190	55.9		3.66
66535	0.081	11.3	2.2	1	3.46	929	1.0	0.2	38	2.4	457	< 0.1	2.5	0.355	0.06	2.0	203	< 0.1	22.1	111	69.7		
66536	0.139	25.6	6.4	4	2.63	732	1.7	0.2	9	4.3	254	< 0.1	0.9	0.381	0.21	1.3	117	0.1	13.3	537	62.6		1.45
66537	< 0.001	3.1	0.6	< 1	0.01	30	19.1	0.7	< 1	0.1	3	< 0.1	< 0.1	0.005	< 0.05	< 0.1	< 4	0.5	< 0.1	3	0.9		
66538	< 0.001	0.6	3.5	< 1	< 0.01	26	24.3	0.8	< 1	0.1	3	< 0.1	< 0.1	0.001	< 0.05	< 0.1	< 4	< 0.1	0.1	8	0.6		
66539	0.135	1.5	5.2	2	1.98	1100	13.0	0.9	26	3.4	288	0.7	1.6	0.993	< 0.05	0.9	276	0.8	24.0	72	69.4		
66854	0.005	3.6	32.3	< 1	0.01	140	25.3	4.0	1	0.4	19	< 0.1	< 0.1	0.035	< 0.05	< 0.1	< 4	1.1	2.3	14	5.1		
66855	0.025	2.4	43.2	< 1	< 0.01	63	19.1	7.8	< 1	0.4	11	< 0.1	0.1	0.020	< 0.05	< 0.1	< 4	1.9	1.2	61	2.1		
66856	0.003	4.6	87.4	< 1	0.02	119	19.9	1.9	1	0.4	12	< 0.1	1.2	0.022	< 0.05	0.4	< 4	1.7	2.6	59	10.6		
66857	0.005	1.6	24.5	< 1	< 0.01	75	20.0	2.5	< 1	0.8	11	< 0.1	0.1	0.005	< 0.05	< 0.1	< 4	0.8	2.4	11	1.5		
66858	0.010	4.3	137	< 1	0.02	75	20.8	4.1	< 1	0.3	10	< 0.1	< 0.1	0.020	< 0.05	< 0.1	< 4	1.1	1.2	75	2.4		
66859	0.005	3.5	22.1	< 1	0.01	143	19.5	2.6	2	0.4	10	< 0.1	0.4	0.024	< 0.05	0.1	< 4	2.2	3.0	20	6.5		
66860	0.004	9.4	97.1	< 1	0.02	41	19.6	5.2	< 1	0.6	9	< 0.1	1.6	0.006	< 0.05	0.4	< 4	< 0.1	7.1	7	10.3		
66861	0.004	23.3	85.3	< 1	0.04	93	14.5	4.0	1	1.3	46	0.5	4.6	0.011	0.08	1.3	5	1.6	5.6	20	36.7		
66862	0.001	10.5	0.3	< 1	0.02	36	23.2	4.2	< 1	0.7	8	< 0.1	0.7	0.003	0.06	0.2	< 4	0.3	1.1	2	6.7		
66863	< 0.001	3.7	25.6	< 1	< 0.01	35	14.1	3.7	< 1	0.2	4	< 0.1	0.4	0.003	< 0.05	0.1	< 4	< 0.1	3.4	26	3.0		
66864	< 0.001	2.1	< 0.1	< 1	< 0.01	44	11.0	11.5	< 1	< 0.1	3	< 0.1	< 0.1	0.002	< 0.05	< 0.1	< 4	< 0.1	0.2	67	1.1		
66865	< 0.001	1.5	0.8	< 1	< 0.01	34	4.0	12.8	< 1	< 0.1	2	< 0.1	< 0.1	0.001	< 0.05	< 0.1	< 4	< 0.1	< 0.1	102	0.4		
66866	0.007	5.7	< 0.1	< 1	0.01	178	26.8	3.7	< 1	0.5	9	< 0.1	0.6	0.022	< 0.05	0.2	< 4	1.3	1.9	9	9.5		
66867	0.405	5.7	0.1	< 1	0.16	164	20.8	< 0.1	2	< 0.1	74	< 0.1	< 0.1	0.017	< 0.05	< 0.1	11	1.8	5.0	5	1.1		
66868	0.022	51.1	25.0	< 1	0.14	756	11.6	1.4	< 1	8.7	15	10.4	12.1	0.284	0.30	3.1	< 4	0.7	59.7	293	1290		
66869	< 0.001	2.7	32.3	< 1	< 0.01	32	17.1	1.9	< 1	0.3	2	< 0.1	0.3	0.002	< 0.05	< 0.1	< 4	< 0.1	0.9	31	2.6		
66870	0.016	2.7	> 5000	< 1	0.74	267	19.0	2.4	3	1.0	23	< 0.1	0.5	0.063	3.26	0.2	26	2.1	3.6	73	19.2		

Analyte Symbol	P	Rb	Pb	S	Mg	Mn	Mo	Sb	Sc	Sn	Sr	Ta	Th	Ti	Tl	U	V	W	Y	Zn	Zr	As	Cu
Unit Symbol	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
Lower Limit	0.001	0.1	0.1	1	0.01	1	0.1	0.1	1	0.1	1	0.1	0.1	0.001	0.05	0.1	4	0.1	0.1	1	0.1	0.01	0.005
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	FUS-Na2O2	FUS-Na2O2
66871	0.011	28.0	75.0	< 1	0.10	104	14.5	0.6	2	6.4	15	< 0.1	2.6	0.045	0.09	0.6	18	> 200	3.1	24	36.9		
66872	0.015	46.3	77.9	< 1	0.16	226	18.1	0.3	2	11.2	14	0.2	2.9	0.058	0.15	0.7	32	27.2	3.8	31	45.0		
66873	< 0.001	1.9	17.4	< 1	< 0.01	41	23.4	0.5	< 1	0.6	2	< 0.1	0.2	0.005	< 0.05	< 0.1	< 4	1.4	0.3	4	4.5		
66874	0.003	6.0	40.8	< 1	0.02	51	24.6	0.5	< 1	1.0	5	< 0.1	0.9	0.020	< 0.05	0.3	< 4	2.1	0.9	11	17.0		
66875	< 0.001	2.1	128	< 1	< 0.01	30	17.4	4.5	< 1	0.2	1	< 0.1	< 0.1	0.006	< 0.05	< 0.1	< 4	0.1	0.1	31	1.4		
66876	0.236	13.6	3.2	2	2.66	1220	1.0	< 0.1	26	2.0	35	< 0.1	3.9	0.816	0.10	0.9	143	0.3	35.5	40	214		
66877	0.138	32.0	1.9	< 1	2.14	726	0.9	0.3	22	0.4	302	< 0.1	0.8	0.353	0.17	0.5	305	0.1	8.9	54	54.8		
66878	0.137	50.4	3.4	< 1	1.52	912	1.5	1.2	22	0.2	354	< 0.1	1.0	0.336	0.26	0.5	260	0.1	12.7	45	50.6		
66879	0.153	54.3	25.3	1	1.04	656	4.6	0.9	18	2.9	240	0.2	3.1	0.580	0.77	1.1	53	2.7	25.6	168	198		
66880	0.001	6.7	5.1	< 1	0.01	98	23.8	0.4	< 1	1.0	14	< 0.1	0.9	0.002	< 0.05	0.3	< 4	0.3	0.5	7	5.6		
66881	0.019	18.7	141	> 10.0	0.47	182	13.9	1.7	8	1.8	10	0.1	0.7	0.117	0.26	1.0	126	0.9	4.7	621	36.4		
66882	0.053	44.4	17.8	> 10.0	1.06	256	16.6	3.0	16	3.6	19	0.3	1.3	0.257	0.52	2.0	137	1.5	11.2	1040	69.7		
66883	0.033	5.0	7.3	3	1.08	561	9.2	1.6	10	2.3	43	0.6	6.3	0.208	0.05	2.2	100	0.6	10.6	503	130		
66884	0.002	3.4	5.3	< 1	0.04	137	22.3	0.3	< 1	0.2	18	< 0.1	< 0.1	0.012	< 0.05	< 0.1	< 4	0.6	0.9	7	2.8		
66885	0.052	23.8	3.6	< 1	0.69	669	14.4	3.4	10	1.4	215	< 0.1	0.5	0.259	0.11	1.7	111	1.6	6.1	41	24.6		
66886	0.027	10.6	3.5	2	0.45	718	18.1	2.7	6	0.7	149	< 0.1	0.2	0.132	< 0.05	< 0.1	67	0.7	3.7	35	10.4		
66887	0.027	6.5	12.3	< 1	0.33	279	17.8	0.4	3	0.5	29	< 0.1	0.5	0.091	< 0.05	0.5	21	0.3	3.9	25	15.8		
66888	0.038	25.5	6.1	< 1	0.27	493	15.8	0.3	7	1.4	78	< 0.1	0.7	0.165	0.11	0.4	34	2.2	9.1	19	43.2		
66889	0.003	0.4	2.8	< 1	0.04	363	23.0	0.2	< 1	0.1	145	< 0.1	< 0.1	0.003	< 0.05	< 0.1	< 4	0.6	3.2	4	1.1		
66890	0.138	24.0	5.3	1	1.35	678	4.6	0.4	18	1.7	206	0.5	1.2	0.687	0.19	0.8	104	4.7	15.2	59	166		
66891 mr	0.020	43.8	6.7	< 1	0.59	268	7.9	< 0.1	6	0.3	351	< 0.1	1.2	0.126	0.26	0.3	31	< 0.1	5.2	21	49.6		
66892	0.020	11.0	2.4	2	0.17	149	21.2	0.5	3	0.7	8	< 0.1	0.2	0.050	< 0.05	0.1	26	1.4	1.4	12	7.1		
67283	0.004	65.8	21.3	< 1	0.01	103	13.3	0.3	2	3.6	72	0.8	9.0	0.021	0.32	3.6	< 4	1.6	20.6	14	91.7		
67284	0.006	69.7	128	< 1	0.22	435	9.6	0.2	< 1	42.8	20	3.1	65.4	0.220	0.20	14.9	< 4	< 0.1	150	426	> 2000		
67285	0.052	4.4	0.5	< 1	2.74	1500	< 0.1	< 0.1	26	< 0.1	464	< 0.1	0.7	0.176	< 0.05	0.3	90	< 0.1	18.6	93	51.8		
67286	0.005	41.2	1.8	< 1	3.25	1070	8.1	1.0	19	0.5	243	< 0.1	0.1	0.117	0.15	< 0.1	118	0.8	5.6	16	13.3		
67287	0.168	153	0.7	< 1	6.48	2660	0.1	< 0.1	38	2.5	501	< 0.1	26.4	0.229	0.38	0.1	105	< 0.1	7.5	288	15.5		
67288	0.074	1.1	1.6	< 1	1.61	1350	1.0	0.1	13	0.1	478	< 0.1	0.6	0.351	< 0.05	0.3	62	< 0.1	13.8	121	57.3		
67289	0.038	103	12.2	< 1	3.41	3400	8.3	0.5	29	4.5	673	0.2	14.9	0.488	0.50	0.7	182	0.6	21.9	225	41.0		
67290	0.004	107	23.8	< 1	0.02	213	15.8	0.4	1	2.6	64	1.2	7.4	0.019	0.48	3.2	< 4	0.9	18.5	25	76.8		
66540 mr	0.482	715	7.3	< 1	0.74	3200	271	0.4	6	108	107	< 0.1	4.8	0.126	6.06	8.1	55	> 200	7.3	323	49.0		
66541	0.076	5.8	2.8	3	3.44	1020	6.4	0.3	11	0.6	45	< 0.1	1.3	0.374	0.06	2.3	118	25.3	13.9	82	45.7		
66542	0.088	16.1	2.2	8	2.17	420	6.7	1.3	32	3.2	292	0.4	0.8	0.883	0.12	0.4	288	11.4	15.9	14	82.0		
66543	0.020	53.4	0.3	< 1	9.66	953	2.3	1.5	25	1.2	68	< 0.1	0.2	0.389	0.31	0.1	166	4.1	4.8	51	28.9		
66544	0.009	13.6	2.1	< 1	5.50	1200	9.5	1.1	10	< 0.1	221	< 0.1	< 0.1	0.114	0.07	< 0.1	43	2.4	5.3	31	8.8		
66545	0.005	36.6	10.9	1	0.07	68	4.6	0.7	< 1	0.3	1200	0.8	4.5	0.005	0.25	1.4	9	2.5	1.9	6	87.3		
66546	0.022	40.9	15.0	2	0.12	151	64.9	3.5	< 1	1.4	1980	16.8	7.9	0.097	0.34	3.9	20	1.6	5.7	25	128		
66547	0.052	33.9	9.6	2	1.87	316	33.2	2.1	11	0.7	52	0.6	5.2	0.283	0.82	6.8	452	2.6	9.1	1420	77.4		
66548	0.014	48.6	0.6	< 1	5.29	1150	0.8	1.4	31	< 0.1	187	< 0.1	0.1	0.195	0.42	0.1	146	1.3	8.1	48	17.8		
66549	0.065	57.8	16.1	2	3.76	1670	0.3	0.2	29	6.9	389	< 0.1	16.3	0.461	0.45	1.5	93	1.2	16.3	213	19.6		
66550	0.085	6.6	5.8	1	0.84	675	14.9	0.5	6	0.4	154	1.0	3.7	0.441	< 0.05	0.9	30	8.3	13.7	18	191		

Analyte Symbol	P	Rb	Pb	S	Mg	Mn	Mo	Sb	Sc	Sn	Sr	Ta	Th	Ti	Tl	U	V	W	Y	Zn	Zr	As	Cu
Unit Symbol	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
Lower Limit	0.001	0.1	0.1	1	0.01	1	0.1	0.1	1	0.1	1	0.1	0.1	0.001	0.05	0.1	4	0.1	0.1	1	0.1	0.01	0.005
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	FUS-Na2O2	FUS-Na2O2
66551	0.047	0.4	7.5	2	1.06	897	8.6	1.1	5	0.1	76	< 0.1	0.5	0.063	< 0.05	0.5	48	1.0	5.8	71	20.8		
66552	0.024	10.7	31.2	> 10.0	0.60	652	35.3	1.1	17	0.8	61	0.3	2.0	0.369	0.24	14.9	444	3.7	10.8	8570	56.5		
66553	0.109	7.2	4.2	< 1	3.13	1800	0.2	< 0.1	11	< 0.1	368	< 0.1	3.9	0.362	< 0.05	1.4	62	0.1	14.7	111	52.7		
66313	0.009	8.0	0.7	< 1	2.26	1520	15.5	0.5	6	0.5	146	< 0.1	0.2	0.040	< 0.05	0.2	41	0.5	11.9	43	3.5		
66314	0.036	62.0	155	< 1	7.31	907	7.2	3.7	16	1.6	208	< 0.1	0.2	0.283	0.34	0.2	116	0.7	5.8	5320	23.7		
66315	0.012	33.1	1.4	< 1	4.48	836	16.6	1.2	11	0.7	113	< 0.1	< 0.1	0.063	0.22	< 0.1	58	0.3	4.8	49	14.8		
66317	0.013	0.7	0.2	< 1	6.47	1800	1.0	0.2	6	0.3	61	< 0.1	0.4	0.149	< 0.05	0.2	88	0.5	7.4	47	14.6		
66318	0.110	3.2	1.1	< 1	1.56	698	0.2	< 0.1	24	0.2	446	< 0.1	2.2	0.149	< 0.05	5.2	53	0.1	28.5	30	23.7		
66319	0.101	8.9	1.1	< 1	2.23	846	0.6	0.2	31	2.0	298	< 0.1	1.7	0.421	0.05	2.0	104	0.3	24.5	49	30.0		
66320	0.092	3.5	0.9	< 1	2.52	1330	2.9	0.5	21	6.5	265	0.5	1.4	0.749	0.06	1.2	549	0.6	15.2	75	77.4		
66321	0.061	26.5	5.3	< 1	3.72	997	0.9	< 0.1	28	< 0.1	303	< 0.1	3.4	0.369	0.16	0.8	140	0.1	18.2	66	79.5		
66322	0.059	53.5	2.1	< 1	2.11	766	2.0	0.2	19	1.0	76	< 0.1	2.7	0.418	0.41	0.8	137	0.2	13.1	50	72.1		
66323	0.074	36.6	1.1	< 1	2.37	594	2.5	0.2	17	1.6	386	< 0.1	0.9	0.471	0.16	0.5	132	0.3	11.3	65	48.2		
66324	0.064	14.5	3.5	< 1	2.54	1420	0.5	< 0.1	22	0.8	379	< 0.1	1.2	0.290	0.16	3.0	127	0.1	13.8	88	7.4		
66325	0.060	15.2	0.6	< 1	6.19	921	1.1	0.3	33	1.1	108	< 0.1	0.9	0.585	0.07	0.3	180	0.2	20.3	96	99.8		
66326	0.057	4.7	3.2	< 1	1.41	1150	1.5	< 0.1	13	0.3	430	< 0.1	0.2	0.260	0.05	0.5	124	< 0.1	6.4	118	27.8		
66327	< 0.001	0.1	0.5	< 1	0.01	38	23.6	0.2	< 1	0.2	2	< 0.1	< 0.1	0.002	< 0.05	< 0.1	< 4	0.2	< 0.1	3	0.6		
66328	0.002	2.1	< 0.1	< 1	0.08	56	19.8	0.6	< 1	2.2	9	< 0.1	0.2	0.010	< 0.05	< 0.1	< 4	1.1	0.5	3	3.3		
66329	0.034	0.5	3.1	< 1	5.41	1860	5.0	0.6	29	2.1	221	0.1	0.2	0.384	< 0.05	0.4	229	1.1	20.3	166	28.7		
66330 mr	0.019	47.3	7.5	< 1	0.62	265	2.0	< 0.1	6	0.3	369	< 0.1	1.2	0.085	0.25	0.3	24	< 0.1	5.7	22	33.1		
66331	0.098	12.7	2.6	< 1	1.66	516	130	0.6	17	3.4	374	0.6	0.9	0.795	0.14	1.3	217	0.5	15.3	47	119		
66332	0.010	2.4	2.6	< 1	0.23	151	7.6	0.1	3	1.1	150	< 0.1	6.7	0.141	< 0.05	1.6	17	0.1	9.0	13	165		
66333	0.011	5.7	0.1	< 1	0.25	173	17.3	0.2	2	0.5	10	< 0.1	0.1	0.051	< 0.05	0.1	16	0.6	2.1	10	5.1		
66334	0.052	14.8	5.5	< 1	0.82	474	0.3	< 0.1	18	< 0.1	269	< 0.1	0.7	0.176	0.11	0.3	86	< 0.1	8.7	37	6.9		
66335	0.048	10.8	3.8	1	2.48	1290	0.4	< 0.1	37	1.0	288	< 0.1	0.9	0.374	0.11	0.3	154	< 0.1	15.6	227	6.6		
66336	< 0.001	0.4	0.6	< 1	0.40	152	24.5	0.2	< 1	0.7	3	< 0.1	< 0.1	0.003	< 0.05	< 0.1	12	0.2	< 0.1	16	0.7		
66337	0.018	0.6	2.2	< 1	0.10	189	2.1	0.1	10	0.5	208	< 0.1	0.3	0.121	< 0.05	0.1	47	< 0.1	5.4	15	2.1		
66338	0.054	9.5	3.2	< 1	2.73	1110	1.7	0.6	25	0.4	457	< 0.1	0.9	0.482	0.10	0.4	217	0.1	12.0	69	7.5		
66339	0.040	26.0	1.6	< 1	5.14	1170	1.1	< 0.1	46	0.2	266	< 0.1	0.8	0.449	0.18	1.0	269	0.2	12.4	79	19.5		
66340	0.016	2.8	8.6	< 1	3.46	840	13.3	0.4	14	0.5	67	< 0.1	0.3	0.173	< 0.05	< 0.1	190	0.2	4.2	94	4.6		
67291	0.106	6.0	1.0	3	2.21	910	0.5	< 0.1	32	1.5	69	< 0.1	3.7	0.564	0.08	1.0	99	0.1	38.0	132	129		
67292	0.035	28.2	7.3	< 1	1.09	281	10.6	0.2	4	8.6	75	6.5	11.3	0.332	0.27	2.1	13	0.9	49.2	96	654		
67293	0.046	4.1	3.7	< 1	3.71	1400	0.6	0.2	42	0.9	135	< 0.1	1.1	0.318	< 0.05	0.6	180	< 0.1	22.8	99	30.0		
67294	0.026	5.9	< 0.1	< 1	9.25	958	0.2	3.5	29	< 0.1	119	< 0.1	0.3	0.157	0.07	0.1	130	< 0.1	7.5	72	43.6		
67295	0.055	5.3	2.0	< 1	5.28	1710	0.7	0.4	36	0.7	82	< 0.1	1.0	0.342	< 0.05	0.4	142	< 0.1	16.3	150	42.6		
67296	0.046	22.2	0.6	< 1	6.06	1360	0.2	0.8	29	< 0.1	204	< 0.1	0.7	0.252	0.18	0.4	188	< 0.1	10.2	78	74.9		
67297	0.225	58.0	3.2	< 1	2.16	1470	0.1	< 0.1	19	0.5	240	< 0.1	2.7	0.268	0.13	0.5	94	< 0.1	18.3	66	47.3		
67298	0.072	26.4	1.2	< 1	4.37	1100	0.5	0.7	26	1.3	238	< 0.1	1.2	0.442	0.14	0.3	197	0.2	10.3	52	101		
67299	0.021	30.1	< 0.1	< 1	7.61	1000	0.6	0.1	26	< 0.1	178	< 0.1	0.2	0.198	0.33	< 0.1	162	< 0.1	7.6	65	34.5		
67300 mr	0.076	95.6	6.9	2	1.20	2940	117	2.5	15	5.9	112	< 0.1	5.7	0.300	0.28	30.9	199	9.1	18.1	21	125		
67301	0.058	1.6	3.4	< 1	2.11	1250	0.4	< 0.1	27	0.8	395	< 0.1	0.7	0.410	< 0.05	0.7	185	0.1	13.4	127	33.5		

Analyte Symbol	P	Rb	Pb	S	Mg	Mn	Mo	Sb	Sc	Sn	Sr	Ta	Th	Ti	Tl	U	V	W	Y	Zn	Zr	As	Cu
Unit Symbol	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
Lower Limit	0.001	0.1	0.1	1	0.01	1	0.1	0.1	1	0.1	1	0.1	0.1	0.001	0.05	0.1	4	0.1	0.1	1	0.1	0.01	0.005
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	FUS-Na2O2	FUS-Na2O2
67302	0.057	54.4	0.7	< 1	3.07	1290	0.1	0.4	35	0.9	168	< 0.1	0.7	0.311	0.15	0.3	112	0.1	11.5	75	30.8		
67303	0.054	5.2	2.3	< 1	2.89	1250	< 0.1	< 0.1	35	0.2	274	< 0.1	0.7	0.170	< 0.05	1.0	143	< 0.1	13.9	134	16.1		
67304	0.081	3.2	2.1	< 1	2.39	1080	0.2	0.1	32	0.8	313	< 0.1	0.9	0.289	< 0.05	0.7	120	< 0.1	15.5	105	17.3		
67305	0.066	15.4	3.8	1	2.32	936	0.6	< 0.1	29	1.1	437	< 0.1	0.9	0.395	0.09	1.6	116	0.1	16.4	222	31.9		
67306	0.019	9.7	2.1	< 1	3.42	528	9.7	0.3	1	0.6	96	0.1	0.8	0.066	< 0.05	0.4	10	0.7	2.4	28	27.4		
67307	0.059	25.3	1.1	< 1	4.28	1180	0.2	0.3	25	< 0.1	148	< 0.1	0.5	0.239	0.08	0.3	138	< 0.1	10.6	49	45.0		
67308	0.005	41.9	1.5	< 1	2.07	834	9.1	0.4	15	0.6	162	< 0.1	0.8	0.213	0.15	0.5	156	2.4	5.2	18	66.5		
66554	0.153	0.9	1.4	5	0.69	256	9.7	3.5	4	0.6	56	< 0.1	0.2	0.063	< 0.05	0.3	50	0.3	5.8	64	10.8		
66555	0.231	1.4	3.1	8	0.47	114	11.7	2.3	2	1.1	10	< 0.1	0.1	0.036	< 0.05	0.3	69	0.3	9.1	36	8.4		
66556	0.020	0.3	0.8	5	0.41	108	14.8	1.2	3	1.8	5	< 0.1	0.2	0.067	< 0.05	0.7	44	0.4	3.6	69	17.7		
66557	0.027	0.3	0.5	2	0.08	57	19.0	1.0	< 1	1.1	1	< 0.1	< 0.1	0.014	< 0.05	0.2	9	0.3	1.7	127	4.4		
66558	0.020	7.5	0.3	< 1	10.2	1160	0.4	0.1	25	< 0.1	224	< 0.1	0.2	0.199	< 0.05	< 0.1	143	< 0.1	6.1	58	38.3		
66559	0.001	0.6	< 0.1	< 1	0.04	42	26.8	0.5	< 1	0.4	6	< 0.1	< 0.1	0.006	< 0.05	< 0.1	< 4	0.3	0.2	4	2.0		
66560	0.003	0.7	< 0.1	< 1	0.04	47	16.9	0.4	< 1	0.4	4	< 0.1	< 0.1	0.017	< 0.05	< 0.1	< 4	0.5	0.2	3	1.6		
66561	0.130	1.4	2.4	> 10.0	2.16	403	19.6	2.5	20	2.6	36	0.4	1.3	0.444	< 0.05	3.1	215	0.4	18.4	435	80.9		
66562	0.010	18.0	24.4	2	0.05	75	33.9	0.5	2	0.6	14	0.1	0.7	0.044	0.06	0.5	4	1.9	10.2	54	32.3		
66563	0.023	4.0	4.0	1	0.39	177	16.5	0.5	3	0.5	1	0.2	0.6	0.093	< 0.05	0.5	29	0.9	5.4	33	47.9		
66564	0.031	53.3	4.4	< 1	0.21	132	8.9	0.5	6	1.5	32	0.4	2.4	0.157	0.20	1.0	15	1.6	10.4	53	71.2		
66565	0.004	2.4	22.5	3	0.02	45	23.3	5.4	< 1	0.4	< 1	< 0.1	0.2	0.013	< 0.05	1.9	17	0.4	3.1	39	8.0		
66566	0.099	13.1	16.3	6	1.50	231	10.3	9.9	14	1.7	4	0.2	1.5	0.509	0.08	1.1	150	5.4	20.7	190	111		
66567	0.020	5.1	25.8	< 1	0.17	115	18.8	7.1	< 1	0.3	6	< 0.1	0.1	0.026	< 0.05	0.2	13	0.5	2.1	1070	11.8		
66568	0.024	10.3	127	5	0.18	168	10.7	13.1	2	0.4	7	0.1	0.3	0.097	0.05	0.4	28	1.5	4.5	23	18.9		
66569	0.005	8.8	26.2	< 1	0.07	84	20.8	31.8	1	0.5	< 1	< 0.1	0.2	0.052	0.06	< 0.1	13	0.5	1.0	489	14.9		
66570	0.005	6.0	149	5	0.14	177	21.7	4.8	2	0.6	3	< 0.1	0.6	0.035	< 0.05	3.0	58	1.2	5.8	201	17.7		
66571	0.017	32.8	101	5	0.09	93	12.2	137	4	0.9	19	< 0.1	1.3	0.065	0.12	0.7	7	0.6	14.4	8510	149	9.79	
66572	0.022	47.4	157	2	0.11	67	12.1	31.2	4	1.3	30	< 0.1	3.1	0.102	0.18	1.3	8	1.3	17.4	629	116	3.45	
66573	0.012	31.3	56.1	1	0.07	58	12.7	0.6	3	1.2	21	0.2	1.2	0.067	0.11	0.6	12	0.8	5.4	62	33.0		
66574	0.013	32.2	166	1	0.09	222	12.4	6.7	3	1.3	21	0.2	1.2	0.065	0.12	0.7	9	1.1	6.2	353	41.3		
66575	0.019	7.5	55.1	3	0.16	76	19.4	5.5	1	0.6	2	0.1	0.9	0.059	0.06	0.8	35	1.5	8.3	591	25.1		
66576	0.005	10.6	13.5	< 1	0.09	106	14.3	95.0	2	0.7	2	< 0.1	0.4	0.066	0.07	0.1	15	1.4	1.5	1080	33.0	1.34	
66577	0.085	4.9	5.7	2	0.81	243	16.7	2.0	7	0.9	4	0.4	0.9	0.274	< 0.05	0.8	55	2.2	14.5	33	68.7		
66578	0.015	7.0	6.0	5	0.39	490	106	23.5	5	1.3	162	0.3	2.7	0.069	< 0.05	1.8	9	0.4	33.8	50	401	10.3	
66579	0.020	9.7	5.8	4	0.32	380	193	34.4	6	1.1	175	< 0.1	3.4	0.055	0.06	2.2	11	0.5	42.2	33	458	18.4	
66580 mr	0.022	48.2	6.5	< 1	0.48	274	12.0	< 0.1	6	0.5	389	< 0.1	1.4	0.154	0.25	0.4	40	0.3	6.0	18	47.6		
67199 MR	0.092	69.4	14.7	3	1.09	4610	319	6.7	8	11.4	88	< 0.1	1.9	0.241	0.31	55.9	114	95.3	16.1	37	109		1.70

Analyte Symbol	Pb	Zn
Unit Symbol	%	%
Lower Limit	0.01	0.01
Method Code	FUS-Na2O2	FUS-Na2O2
66826 39138-A		
66827		
66828		
66829		
66830		
66831 mr		
66832		
66833		
66834	0.60	
66835		
66836	3.64	
66837		
66838		
66839		
66840		
66841		
66842		
66843		
66844		
66845		
66846		
66847		
66848		
66849		
66850		
66851 mr	0.61	2.35
66852		
66853		
66527		
66528		
66529		
66530		
66531		
66532		
66533		
66296		
66297		
66298		
66299		
66300		
66301		

Analyte Symbol	Pb	Zn
Unit Symbol	%	%
Lower Limit	0.01	0.01
Method Code	FUS-Na2O2	FUS-Na2O2
66302		
66303		
66304		
67275		
67276		
67277		
67278		
67279		
67280 mr		
67281		
67282		
66305		
66306		
66307		
66308		
66309		
66310		
66311		
66312		
66534		
66535		
66536		
66537		
66538		
66539		
66854		
66855		
66856		
66857		
66858		
66859		
66860		
66861		
66862		
66863		
66864		
66865		
66866		
66867		
66868		
66869		
66870	7.69	

Analyte Symbol	Pb	Zn
Unit Symbol	%	%
Lower Limit	0.01	0.01
Method Code	FUS-Na2O2	FUS-Na2O2
66871		
66872		
66873		
66874		
66875		
66876		
66877		
66878		
66879		
66880		
66881		
66882		
66883		
66884		
66885		
66886		
66887		
66888		
66889		
66890		
66891 mr		
66892		
67283		
67284		
67285		
67286		
67287		
67288		
67289		
67290		
66540 mr		
66541		
66542		
66543		
66544		
66545		
66546		
66547		
66548		
66549		
66550		

Analyte Symbol	Pb	Zn
Unit Symbol	%	%
Lower Limit	0.01	0.01
Method Code	FUS-Na2O2	FUS-Na2O2
66551		
66552		
66553		
66313		
66314		
66315		
66317		
66318		
66319		
66320		
66321		
66322		
66323		
66324		
66325		
66326		
66327		
66328		
66329		
66330 mr		
66331		
66332		
66333		
66334		
66335		
66336		
66337		
66338		
66339		
66340		
67291		
67292		
67293		
67294		
67295		
67296		
67297		
67298		
67299		
67300 mr		
67301		

Analyte Symbol	Pb	Zn
Unit Symbol	%	%
Lower Limit	0.01	0.01
Method Code	FUS-Na2O2	FUS-Na2O2
67302		
67303		
67304		
67305		
67306		
67307		
67308		
66554		
66555		
66556		
66557		
66558		
66559		
66560		
66561		
66562		
66563		
66564		
66565		
66566		
66567		
66568		
66569		
66570		
66571		
66572		
66573		
66574		
66575		
66576		
66577		
66578		
66579		
66580 mr		
67199 MR		

Analyte Symbol	Te	Al	Ag	As	Au	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Cs	Fe	Hf	K	La	Li	Na	Nb	Ni
Unit Symbol	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm
Lower Limit	0.1	0.01	0.1	1	100	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.1	0.01	0.1	0.01	0.1	0.1	0.001	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-1 Meas	8.5	1.86	31.7	425	> 2000	714	< 1	1490	0.98	2.7	14	7.5	20	1140	2.6	24.3	0.5	0.04	7.6	7.3	0.045	0.7	38.6
GXR-1 Cert	13.0	3.52	31.0	427	3300	750	1.22	1380	0.960	3.30	17.0	8.20	12.0	1110	3.00	23.6	0.960	0.050	7.50	8.20	0.0520	0.800	41.0
DH-1a Meas																							
DH-1a Cert																							
GXR-4 Meas	0.9	6.00	3.5	103	1400	234	2	18.9	1.05	0.2	107	14.3	55	6570	2.5	3.05	1.2	4.35	59.9	10.4	0.580	9.0	39.3
GXR-4 Cert	0.970	7.20	4.0	98.0	470	1640	1.90	19.0	1.01	0.860	102	14.6	64.0	6520	2.80	3.09	6.30	4.01	64.5	11.1	0.564	10.0	42.0
PTM-1a Meas																							
PTM-1a Cert																							
PTM-1a Meas																							
PTM-1a Cert																							
SDC-1 Meas		7.47		< 1		628	3		1.06		82	16.9	84	31.8	3.6	4.72	1.1	1.80	37.3	35.5	1.72	0.2	33.6
SDC-1 Cert		8.34		0.220		630	3.00		1.00		93.00	18.0	64.00	30.000	4.00	4.82	8.30	2.72	42.00	34.0	1.52	21.00	38.0
GXR-6 Meas	< 0.1	11.9	0.2	243	< 100	1290	1	0.2	0.16	0.1	32	13.3	68	72.2	4.0	5.72	1.8	2.02	11.3	34.3	0.105	< 0.1	25.3
GXR-6 Cert	0.0180	17.7	1.30	330	95.0	1300	1.40	0.290	0.180	1.00	36.0	13.8	96.0	66.0	4.20	5.58	4.30	1.87	13.9	32.0	0.104	7.50	27.0
CD-1 Meas																							
CD-1 Cert																							
CD-1 Meas																							
CD-1 Cert																							
Oreas 74a (Fusion) Meas																							
Oreas 74a (Fusion) Cert																							
OREAS 134b (Fusion) Meas																							
OREAS 134b (Fusion) Cert																							
MP-1b Meas																							
MP-1b Cert																							
MP-1b Meas																							
MP-1b Cert																							
DNC-1a Meas						108						54.9	201	106					3.7	4.6		1.3	266
DNC-1a Cert						118						57	270	100					3.6	5.2		3	247
CPB-2 Meas																							
CPB-2 Cert																							
CZN-4 Meas																							
CZN-4 Cert																							
SBC-1 Meas				23		837	3	0.7		0.4	102	20.4	92	29.0	7.6		3.0		49.7	165		10.5	79.9
SBC-1 Cert				25.7		788.0	3.20	0.70		0.40	108.0	22.7	109	31.0000	8.2		3.7		52.5	163		15.3	82.8
Arsenic (III) Oxide Meas																							
Arsenic (III) Oxide Cert																							
Arsenic (III) Oxide																							

Analyte Symbol	Te	Al	Ag	As	Au	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Cs	Fe	Hf	K	La	Li	Na	Nb	Ni
Unit Symbol	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm
Lower Limit	0.1	0.01	0.1	1	100	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.1	0.01	0.1	0.01	0.1	0.1	0.001	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
Meas																							
Arsenic (III) Oxide Cert																							
Arsenic (III) Oxide Meas																							
Arsenic (III) Oxide Cert																							
Arsenic (III) Oxide Meas																							
Arsenic (III) Oxide Cert																							
OREAS 45d (4-Acid) Meas		7.20		7		190	< 1	0.4	0.19		34	28.1	627	388	3.5	14.2	2.1	0.43	15.9	19.9	0.100	0.5	227
OREAS 45d (4-Acid) Cert		8.150		13.8		183.0	0.79	0.31	0.185		37.20	29.50	549	371	3.910	14.5	3.830	0.412	16.9	21.5	0.101	14.50	231.0
PTC-1b Meas																							
PTC-1b Cert																							
SdAR-M2 (U.S.G.S.) Meas						1060	7	1.1		5.2	96	13.0	46	250	1.7		3.8		46.2	18.1		3.8	50.2
SdAR-M2 (U.S.G.S.) Cert						990	6.6	1.05		5.1	98.8	12.4	49.6	236.0000	1.82		7.29		46.6	17.9		26.2	48.8
CCU-1e Meas																							
CCU-1e Cert																							
66844 Orig	< 0.1	1.60	< 0.1	10	< 100	142	< 1	0.2	0.09	0.1	13	2.4	307	6.6	0.2	1.11	< 0.1	0.30	6.0	2.8	0.805	1.4	16.5
66844 Dup	< 0.1	1.68	< 0.1	10	< 100	145	< 1	0.2	0.10	0.1	14	2.5	326	6.8	0.2	1.12	0.1	0.32	6.3	2.9	0.872	1.4	16.3
66847 Orig	0.1	4.60	0.7	4	< 100	501	1	2.2	0.79	2.0	27	6.2	146	57.1	0.2	1.82	3.5	0.61	12.1	5.7	4.97	7.0	5.1
66847 Dup	0.1	5.72	0.8	4	< 100	542	1	2.5	0.87	2.6	32	6.9	158	63.5	0.3	1.99	3.9	0.70	14.7	6.5	4.98	7.8	5.9
66309 Orig	< 0.1	5.69	7.6	< 1	> 2000	404	< 1	1.1	3.48	36.0	76	50.7	66	> 10000	0.1	10.2	1.3	0.95	47.4	5.6	2.38	2.3	22.6
66309 Dup	< 0.1	5.72	5.8	1	800	401	< 1	1.1	3.36	34.9	74	48.5	73	> 10000	0.1	10.2	1.4	0.95	46.1	5.5	2.24	2.4	22.0
66312 Orig																							
66312 Dup																							
66536 Orig	0.1	6.68	7.3	9	900	185	< 1	2.1	4.99	3.5	13	148	58	> 10000	0.3	11.5	1.5	0.87	3.8	9.3	1.86	1.8	63.9
66536 Dup	< 0.1	7.05	7.9	4	> 2000	171	< 1	2.0	5.25	3.2	13	141	59	> 10000	0.3	11.7	1.5	0.91	3.9	9.7	1.92	2.2	64.4
66881 Orig	1.9	1.94	3.2	93	< 100	10	< 1	3.5	0.03	2.2	8	122	133	619	0.2	30.5	0.8	0.56	3.4	9.5	0.019	2.0	177
66881 Dup	1.7	1.96	3.0	86	< 100	17	< 1	3.4	0.03	2.0	8	119	126	591	0.2	29.9	0.8	0.54	3.4	9.9	0.018	1.8	169
66891 mr Orig	< 0.1	5.57	< 0.1	< 1	< 100	394	1	< 0.1	1.86	< 0.1	15	5.8	244	11.0	0.7	1.54	1.3	1.29	6.5	8.7	3.37	0.6	23.3
66891 mr Dup	< 0.1	5.69	< 0.1	< 1	< 100	401	1	< 0.1	1.88	< 0.1	16	5.9	203	9.0	0.7	1.52	1.2	1.28	7.0	8.1	3.09	0.2	22.8
66318 Orig	< 0.1	8.59	< 0.1	< 1	< 100	91	1	< 0.1	8.19	< 0.1	40	22.6	85	34.4	< 0.1	7.64	0.6	0.26	17.5	6.7	2.50	0.2	6.5
66318 Dup	< 0.1	8.08	< 0.1	< 1	< 100	90	< 1	< 0.1	8.02	< 0.1	39	21.7	74	32.0	< 0.1	7.40	0.6	0.25	16.9	6.6	2.37	0.1	5.6
67293 Orig	< 0.1	7.29	< 0.1	1	< 100	161	< 1	< 0.1	7.59	0.2	16	37.0	122	103	< 0.1	7.65	1.2	0.26	7.0	6.7	2.29	1.0	37.5
67293 Dup	< 0.1	7.23	< 0.1	1	< 100	164	< 1	< 0.1	7.58	0.2	16	37.4	111	105	< 0.1	7.75	0.7	0.25	6.7	6.6	2.26	0.3	35.9
66556 Orig	2.2	0.84	< 0.1	55	< 100	8	< 1	0.4	0.08	< 0.1	2	26.5	230	2720	< 0.1	6.55	0.3	< 0.01	1.4	0.7	0.151	1.1	38.1
66556 Dup	2.3	0.86	< 0.1	60	< 100	8	< 1	0.4	0.08	< 0.1	2	26.0	228	2690	< 0.1	6.58	0.3	< 0.01	1.3	0.8	0.152	1.3	38.0
66576 Orig	4.2	0.52	0.3	> 10000	> 2000	30	< 1	0.2	0.10	5.9	5	6.3	291	34.9	0.1	1.69	0.3	0.33	1.5	1.2	0.004	0.9	16.8

Analyte Symbol	Te	Al	Ag	As	Au	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Cs	Fe	Hf	K	La	Li	Na	Nb	Ni
Unit Symbol	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm
Lower Limit	0.1	0.01	0.1	1	100	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.1	0.01	0.1	0.01	0.1	0.1	0.001	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
66576 Dup	4.4	0.56	1.0	> 10000	> 2000	30	< 1	0.2	0.09	5.5	6	6.2	285	34.3	0.1	1.73	0.3	0.34	2.4	1.2	0.004	0.8	17.2
66579 Orig																							
66579 Dup																							
Method Blank		< 0.01	< 0.1	< 1	< 100	< 1	< 1	< 0.1	< 0.01	< 0.1	< 1	< 0.2	4	< 0.1	< 0.1	< 0.01	< 0.1	< 0.01	0.1	< 0.1	< 0.001	< 0.1	< 0.1
Method Blank		0.03	< 0.1	< 1	< 100	< 1	< 1	< 0.1	< 0.01	< 0.1	< 1	< 0.2	4	< 0.1	< 0.1	< 0.01	< 0.1	< 0.01	0.1	< 0.1	< 0.001	< 0.1	< 0.1
Method Blank		0.02	< 0.1	< 1	< 100	1	< 1	< 0.1	< 0.01	< 0.1	< 1	< 0.2	5	< 0.1	< 0.1	< 0.01	< 0.1	< 0.01	0.1	< 0.1	< 0.001	< 0.1	< 0.1
Method Blank		0.02	< 0.1	< 1	< 100	< 1	< 1	< 0.1	< 0.01	< 0.1	< 1	< 0.2	5	< 0.1	< 0.1	< 0.01	< 0.1	< 0.01	< 0.1	< 0.1	< 0.001	< 0.1	0.2
Method Blank		< 0.01	< 0.1	< 1	< 100	< 1	< 1	< 0.1	< 0.01	< 0.1	< 1	< 0.2	3	< 0.1	< 0.1	< 0.01	< 0.1	< 0.01	< 0.1	< 0.1	< 0.001	< 0.1	0.1
Method Blank		0.03	< 0.1	< 1	< 100	< 1	< 1	< 0.1	< 0.01	< 0.1	< 1	< 0.2	3	< 0.1	< 0.1	< 0.01	< 0.1	< 0.01	0.2	< 0.1	< 0.001	< 0.1	< 0.1
Method Blank	< 0.1																						
Method Blank	< 0.1																						
Method Blank	< 0.1																						
Method Blank	< 0.1																						
Method Blank	< 0.1																						
Method Blank	< 0.1																						
Method Blank																							
Method Blank																							
Method Blank																							

Analyte Symbol	P	Rb	Pb	S	Mg	Mn	Mo	Sb	Sc	Sn	Sr	Ta	Th	Ti	Tl	U	V	W	Y	Zn	Zr	As	Cu
Unit Symbol	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
Lower Limit	0.001	0.1	0.1	1	0.01	1	0.1	0.1	1	0.1	1	0.1	0.1	0.001	0.05	0.1	4	0.1	0.1	1	0.1	0.01	0.005
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	FUS-Na2O2	FUS-Na2O2
GXR-1 Meas	0.065	2.9	805	< 1	0.23	872	18.8	23.5	2	25.5	323	< 0.1	2.6	0.025	0.42	34.8	87	154	28.6	808	23.8		
GXR-1 Cert	0.0650	14.0	730	0.257	0.217	852	18.0	122	1.58	54.0	275	0.175	2.44	0.036	0.390	34.9	80.0	164	32.0	760	38.0		
DH-1a Meas													911			2500							
DH-1a Cert													910			2629							
GXR-4 Meas	0.144	152	51.0	2	1.86	154	343	4.5	8	7.0	236	0.6	20.3	0.280	3.38	5.8	94	37.1	12.6	75	39.7		
GXR-4 Cert	0.120	160	52.0	1.77	1.66	155	310	4.80	7.70	5.60	221	0.790	22.5	0.29	3.20	6.20	87.0	30.8	14.0	73.0	186		
PTM-1a Meas																						0.22	23.7
PTM-1a Cert																						0.220	24.96
PTM-1a Meas																						0.22	
PTM-1a Cert																						0.220	
SDC-1 Meas	0.059	96.4	24.9		1.12	868		< 0.1	16	0.4	179	< 0.1	11.2	0.256	0.67	2.7	62	0.4		108	42.2		
SDC-1 Cert	0.0690	127.00	25.00		1.02	880.00		0.54	17.00	3.00	180.00	1.20	12.00	0.606	0.70	3.10	102.00	0.80		103.00	290.00		
GXR-6 Meas	0.036	80.2	112	< 1	0.63	1060	0.3	0.2	29	0.3	38	< 0.1	4.8		2.51	1.8	112	0.3	11.3	143	64.2		
GXR-6 Cert	0.0350	90.0	101	0.0160	0.609	1010	2.40	3.60	27.6	1.70	35.0	0.485	5.30		2.20	1.54	186	1.90	14.0	118	110		
CD-1 Meas																						0.68	
CD-1 Cert																						0.660	
CD-1 Meas																						0.68	
CD-1 Cert																						0.660	
Oreas 74a (Fusion) Meas																						< 0.01	0.123
Oreas 74a (Fusion) Cert																						0.005	0.124
OREAS 134b (Fusion) Meas																						0.02	0.134
OREAS 134b (Fusion) Cert																						0.02	0.134
MP-1b Meas																						2.26	3.07
MP-1b Cert																						2.30	3.07
MP-1b Meas																						2.28	
MP-1b Cert																						2.30	
DNC-1a Meas		3.7	5.8					0.3	35		159			0.293			152		16.1	67	39.1		
DNC-1a Cert		5	6.3					0.96	31		144			0.29			148		18.0	70	38.0		
CPB-2 Meas																							0.123
CPB-2 Cert																							0.1213
CZN-4 Meas																						0.03	0.409
CZN-4 Cert																						0.0356	0.403
SBC-1 Meas		149	36.0				2.6	0.9	22	3.0	184	0.5	16.0	0.476	0.96	5.9	223	1.7	29.9	196	115		
SBC-1 Cert		147	35.0				2.4	1.01	20.0	3.3	178.0	1.10	15.8	0.51	0.89	5.76	220.0	1.60	36.5	186	134.0		
Arsenic (III) Oxide Meas																						74.2	
Arsenic (III) Oxide Cert																						75.7	
Arsenic (III) Oxide																						> 10.0	

Analyte Symbol	P	Rb	Pb	S	Mg	Mn	Mo	Sb	Sc	Sn	Sr	Ta	Th	Ti	Tl	U	V	W	Y	Zn	Zr	As	Cu
Unit Symbol	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
Lower Limit	0.001	0.1	0.1	1	0.01	1	0.1	0.1	1	0.1	1	0.1	0.1	0.001	0.05	0.1	4	0.1	0.1	1	0.1	0.01	0.005
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	FUS-Na2O2	FUS-Na2O2
Meas																							
Arsenic (III) Oxide Cert																						75.7	
Arsenic (III) Oxide Meas																						> 10.0	
Arsenic (III) Oxide Cert																						75.7	
Arsenic (III) Oxide Meas																						> 10.0	
Arsenic (III) Oxide Cert																						75.7	
OREAS 45d (4-Acid) Meas	0.036	39.9	21.3	< 1	0.21	483	0.8	< 0.1	53	0.5	31	< 0.1	13.5	0.323	0.27	2.7	137	0.3	10.0	46	85.6		
OREAS 45d (4-Acid) Cert	0.042	42.1	21.8	0.049	0.245	490.000	2.500	0.82	49.30	2.78	31.30	1.02	14.5	0.773	0.27	2.63	235.0	1.62	9.53	45.7	141		
PTC-1b Meas																						0.02	7.80
PTC-1b Cert																						0.02	7.97
SdAR-M2 (U.S.G.S.) Meas		147	823				12.2		5		152	< 0.1	14.7			2.6	27	0.4	24.2	833	122		
SdAR-M2 (U.S.G.S.) Cert		149	808				13.3		4.1		144	1.8	14.2			2.53	25.2	2.8	32.7	760	259		
CCU-1e Meas																						0.11	
CCU-1e Cert																						0.101	
66844 Orig	0.015	10.8	6.7	< 1	0.18	290	21.1	0.6	2	0.6	18	< 0.1	0.4	0.054	0.05	0.1	16	2.2	1.7	16	8.1		
66844 Dup	0.016	11.0	6.7	< 1	0.18	314	21.2	0.8	2	0.8	19	< 0.1	0.4	0.055	0.06	0.1	17	2.5	1.7	17	8.2		
66847 Orig	0.068	12.7	87.9	< 1	0.22	242	8.9	1.0	2	1.3	180	0.3	1.2	0.252	0.09	0.3	28	3.5	2.7	119	123		
66847 Dup	0.076	15.9	97.8	< 1	0.25	259	10.1	1.1	3	1.7	232	0.4	1.5	0.258	0.11	0.4	30	4.0	3.4	139	144		
66309 Orig	0.156	17.8	1.7	2	2.07	829	12.1	0.1	25	4.1	231	< 0.1	1.3	0.414	0.15	2.4	139	< 0.1	20.6	7150	51.8		
66309 Dup	0.141	17.4	1.5	2	2.08	785	20.5	0.2	24	4.2	222	< 0.1	1.3	0.489	0.17	2.4	153	< 0.1	20.6	6800	59.2		
66312 Orig																						< 0.01	3.03
66312 Dup																						< 0.01	3.05
66536 Orig	0.140	25.6	6.3	4	2.58	724	1.7	0.2	9	4.4	253	< 0.1	0.9	0.379	0.21	1.3	118	0.1	13.1	545	63.7		
66536 Dup	0.137	25.6	6.5	4	2.68	739	1.7	0.2	9	4.3	256	< 0.1	0.9	0.384	0.21	1.2	115	0.1	13.5	530	61.6		
66881 Orig	0.019	19.0	142	> 10.0	0.47	184	14.3	1.6	8	2.0	9	0.1	0.7	0.122	0.26	1.0	126	0.9	4.8	633	37.3		
66881 Dup	0.019	18.3	140	> 10.0	0.47	181	13.5	1.8	8	1.6	10	0.1	0.7	0.113	0.26	1.0	126	0.8	4.6	610	35.5		
66891 mr Orig	0.021	43.8	6.9	< 1	0.61	274	9.5	< 0.1	6	0.3	334	< 0.1	1.2	0.134	0.26	0.3	33	< 0.1	5.1	21	52.1		
66891 mr Dup	0.019	43.9	6.6	< 1	0.58	263	6.4	< 0.1	6	0.3	368	< 0.1	1.1	0.118	0.26	0.3	30	< 0.1	5.3	21	47.2		
66318 Orig	0.113	3.4	0.8	< 1	1.58	708	0.2	< 0.1	25	0.2	458	< 0.1	2.1	0.153	< 0.05	0.8	53	0.1	28.8	31	24.3		
66318 Dup	0.106	3.0	1.5	< 1	1.54	688	0.2	< 0.1	24	0.2	434	< 0.1	2.3	0.145	< 0.05	9.6	52	0.1	28.1	30	23.1		
67293 Orig	0.047	4.1	4.1	< 1	3.69	1410	0.7	0.2	43	0.9	138	< 0.1	1.1	0.372	< 0.05	0.6	211	< 0.1	22.8	97	38.2		
67293 Dup	0.046	4.2	3.3	< 1	3.73	1400	0.5	0.1	41	0.9	132	< 0.1	1.1	0.264	< 0.05	0.6	150	< 0.1	22.9	102	21.7		
66556 Orig	0.020	0.2	0.7	5	0.41	107	14.7	1.2	3	1.7	4	< 0.1	0.2	0.066	< 0.05	0.7	44	0.4	3.5	69	18.4		
66556 Dup	0.021	0.3	0.9	5	0.41	109	14.8	1.2	3	1.8	5	< 0.1	0.2	0.068	< 0.05	0.7	45	0.4	3.7	69	17.0		

Analyte Symbol	P	Rb	Pb	S	Mg	Mn	Mo	Sb	Sc	Sn	Sr	Ta	Th	Ti	Tl	U	V	W	Y	Zn	Zr	As	Cu
Unit Symbol	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
Lower Limit	0.001	0.1	0.1	1	0.01	1	0.1	0.1	1	0.1	1	0.1	0.1	0.001	0.05	0.1	4	0.1	0.1	1	0.1	0.01	0.005
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	FUS-Na2O2	FUS-Na2O2
66576 Orig	0.005	10.4	12.8	< 1	0.08	106	14.5	91.8	2	0.8	3	< 0.1	0.4	0.063	0.07	0.1	16	1.4	1.4	1070	33.6		
66576 Dup	0.006	10.9	14.2	1	0.09	106	14.0	98.2	2	0.5	2	< 0.1	0.5	0.070	0.07	0.2	15	1.5	1.6	1080	32.5		
66579 Orig																						19.1	
66579 Dup																						17.6	
Method Blank	< 0.001	0.1	< 0.1	< 1	< 0.01	16	< 0.1	0.2	< 1	0.3	< 1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.1	< 4	< 0.1	< 0.1	< 1	0.5		
Method Blank	< 0.001	< 0.1	< 0.1	< 1	< 0.01	16	< 0.1	0.2	< 1	0.3	< 1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.1	< 4	< 0.1	< 0.1	< 1	0.4		
Method Blank	< 0.001	< 0.1	< 0.1	< 1	< 0.01	6	< 0.1	0.2	< 1	0.2	< 1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.1	< 4	< 0.1	< 0.1	< 1	0.4		
Method Blank	< 0.001	< 0.1	< 0.1	< 1	< 0.01	6	< 0.1	< 0.1	< 1	< 0.1	< 1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.1	< 4	< 0.1	< 0.1	< 1	0.2		
Method Blank	< 0.001	< 0.1	< 0.1	< 1	< 0.01	5	< 0.1	< 0.1	< 1	0.5	< 1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.1	< 4	0.2	< 0.1	< 1	0.4		
Method Blank	< 0.001	< 0.1	< 0.1	< 1	< 0.01	5	< 0.1	0.2	< 1	0.2	< 1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.1	< 4	< 0.1	< 0.1	< 1	0.3		
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																						< 0.01	< 0.005
Method Blank																						< 0.01	< 0.005
Method Blank																						< 0.01	

Analyte Symbol	Pb	Zn
Unit Symbol	%	%
Lower Limit	0.01	0.01
Method Code	FUS-Na2O2	FUS-Na2O2
GXR-1 Meas		
GXR-1 Cert		
DH-1a Meas		
DH-1a Cert		
GXR-4 Meas		
GXR-4 Cert		
PTM-1a Meas		
PTM-1a Cert		
PTM-1a Meas		
PTM-1a Cert		
SDC-1 Meas		
SDC-1 Cert		
GXR-6 Meas		
GXR-6 Cert		
CD-1 Meas		
CD-1 Cert		
CD-1 Meas		
CD-1 Cert		
Oreas 74a (Fusion) Meas		
Oreas 74a (Fusion) Cert		
OREAS 134b (Fusion) Meas	13.0	17.4
OREAS 134b (Fusion) Cert	13.20	18.12
MP-1b Meas	2.05	16.1
MP-1b Cert	2.09	16.7
MP-1b Meas		
MP-1b Cert		
DNC-1a Meas		
DNC-1a Cert		
CPB-2 Meas	62.3	5.94
CPB-2 Cert	63.52	6.04
CZN-4 Meas	0.18	53.6
CZN-4 Cert	0.1861	55.07
SBC-1 Meas		
SBC-1 Cert		
Arsenic (III) Oxide Meas		
Arsenic (III) Oxide Cert		
Arsenic (III) Oxide		

Analyte Symbol	Pb	Zn
Unit Symbol	%	%
Lower Limit	0.01	0.01
Method Code	FUS-Na2O2	FUS-Na2O2
Meas		
Arsenic (III) Oxide Cert		
Arsenic (III) Oxide Meas		
Arsenic (III) Oxide Cert		
Arsenic (III) Oxide Meas		
Arsenic (III) Oxide Cert		
OREAS 45d (4-Acid) Meas		
OREAS 45d (4-Acid) Cert		
PTC-1b Meas	0.08	0.21
PTC-1b Cert	0.08	0.2083
SdAR-M2 (U.S.G.S.) Meas		
SdAR-M2 (U.S.G.S.) Cert		
CCU-1e Meas	0.71	3.01
CCU-1e Cert	0.703	3.02
66844 Orig		
66844 Dup		
66847 Orig		
66847 Dup		
66309 Orig		
66309 Dup		
66312 Orig	< 0.01	< 0.01
66312 Dup	< 0.01	< 0.01
66536 Orig		
66536 Dup		
66881 Orig		
66881 Dup		
66891 mr Orig		
66891 mr Dup		
66318 Orig		
66318 Dup		
67293 Orig		
67293 Dup		
66556 Orig		
66556 Dup		

Analyte Symbol	Pb	Zn
Unit Symbol	%	%
Lower Limit	0.01	0.01
Method Code	FUS-Na2O2	FUS-Na2O2
66576 Orig		
66576 Dup		
66579 Orig		
66579 Dup		
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	< 0.01	< 0.01
Method Blank	< 0.01	< 0.01
Method Blank		

Quality Analysis ... **Actlabs** *Innovative Technologies*

Date Submitted: 25-Sep-17
Invoice No.: A17-10417
Invoice Date: 23-Oct-17
Your Reference: SG17-1288 39138-B TRUE NORTH NIC

Techni-Lab Abitibi Inc.(Actlabs)
184 Rue Principale
Ste-Germaine-Boule Quebec J0Z 1M0
Canada

ATTN: Andre Caouette

CERTIFICATE OF ANALYSIS

197 Pulp samples were submitted for analysis.

The following analytical package(s) were requested: Code UT-4M Total Digestion ICP/MS

REPORT **A17-10417**

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:

Any values for Au are for informational purposes and should be checked by fire assay code 1A2

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
41 Bittern Street, Ancaster, Ontario, Canada, L9G 4V5
TELEPHONE +905 648-9611 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Ancaster@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	As	Cu	Pb	Zn	Te	Al	Ag	As	Au	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Cs	Fe	Hf	K	La
Unit Symbol	%	%	%	%	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm
Lower Limit	0.01	0.005	0.01	0.01	0.1	0.01	0.1	1	100	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.1	0.01	0.1	0.01	0.1
Method Code	FUS-Na2O2	FUS-Na2O2	FUS-Na2O2	FUS-Na2O2	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
66893 39138-B					2.9	0.32	6.6	5	> 2000	24	< 1	6.5	0.77	0.3	< 1	2.2	293	12.9	< 0.1	0.61	< 0.1	0.06	0.4
66894					2.2	1.79	12.0	49	> 2000	99	< 1	9.8	1.36	0.5	2	11.2	287	32.3	0.2	2.25	0.4	0.40	0.9
66895					1.3	1.58	6.9	21	> 2000	132	< 1	10.1	0.72	8.0	6	2.2	248	35.8	0.1	1.00	0.1	0.37	3.3
66896					0.3	0.18	4.0	73	> 2000	14	< 1	0.9	0.11	1.6	< 1	8.1	298	103	< 0.1	1.97	< 0.1	0.05	0.2
66897					0.5	0.66	3.9	24	> 2000	28	< 1	3.3	0.49	10.4	2	1.9	270	38.0	< 0.1	0.98	0.1	0.08	0.9
66898			1.35		15.4	0.07	68.9	44	> 2000	6	< 1	76.9	0.04	4.2	< 1	1.6	246	62.2	< 0.1	0.83	< 0.1	0.01	0.5
66899					1.8	0.70	19.9	8	> 2000	124	< 1	4.0	2.81	28.1	3	4.6	238	34.8	0.1	1.49	0.2	0.13	1.8
66900					3.1	1.19	18.3	41	> 2000	114	< 1	17.5	0.17	2.9	4	2.6	233	68.6	0.1	1.30	< 0.1	0.32	2.2
66901					0.2	0.42	4.7	9	> 2000	15	< 1	1.2	0.37	1.9	< 1	1.7	379	9.4	< 0.1	0.62	< 0.1	0.05	0.5
66341					< 0.1	2.66	0.2	99	< 100	277	< 1	0.2	9.04	1.3	11	26.1	514	41.8	0.3	5.04	0.8	1.24	5.6
66342					< 0.1	3.06	0.2	307	< 100	252	< 1	< 0.1	8.49	0.2	6	50.5	789	146	0.4	7.05	0.4	1.64	2.8
66343					< 0.1	1.37	< 0.1	136	< 100	70	< 1	< 0.1	3.25	< 0.1	2	23.7	622	32.2	0.2	4.69	0.2	0.86	0.6
66345					0.1	0.38	8.3	33	100	24	< 1	1.0	0.94	0.4	3	3.3	397	4250	< 0.1	1.58	< 0.1	0.17	1.6
66346					< 0.1	2.74	0.2	4	< 100	26	< 1	0.8	6.86	< 0.1	11	11.1	304	4.5	0.2	2.97	0.5	0.12	4.2
66347					< 0.1	7.20	0.1	< 1	< 100	158	< 1	0.3	5.82	0.2	41	29.6	128	754	0.4	9.21	2.7	0.87	20.3
66348					< 0.1	1.63	< 0.1	10	< 100	135	< 1	< 0.1	5.45	< 0.1	3	20.6	553	14.7	0.3	2.33	0.3	1.07	1.4
66349					< 0.1	0.49	1.9	33	< 100	39	< 1	< 0.1	0.40	0.2	< 1	3.8	440	2770	< 0.1	0.81	< 0.1	0.29	0.2
66350 MR					2.5	5.34	4.5	18	1900	383	1	< 0.1	4.32	0.3	22	11.0	32	76.5	4.9	3.05	1.8	2.55	11.4
66351					< 0.1	2.37	< 0.1	212	< 100	80	< 1	< 0.1	2.36	< 0.1	2	40.1	919	24.2	0.2	4.48	0.3	1.08	0.9
66352					< 0.1	0.65	< 0.1	117	< 100	37	< 1	< 0.1	1.27	< 0.1	< 1	11.2	596	101	< 0.1	1.81	< 0.1	0.40	0.3
66353					< 0.1	0.90	< 0.1	122	< 100	107	< 1	< 0.1	1.13	0.8	1	15.0	563	56.2	0.2	1.48	0.1	0.61	0.6
66354					< 0.1	1.07	< 0.1	6	< 100	148	< 1	< 0.1	7.48	< 0.1	2	17.5	570	21.0	0.1	2.41	0.1	0.51	0.9
66355					< 0.1	1.59	< 0.1	285	< 100	101	< 1	< 0.1	3.35	< 0.1	2	33.5	831	36.2	0.3	2.69	0.4	0.90	0.9
66902					< 0.1	0.14	< 0.1	< 1	< 100	112	< 1	< 0.1	0.08	< 0.1	< 1	2.8	342	11.9	0.5	1.71	< 0.1	0.06	0.2
66903					< 0.1	0.15	< 0.1	1	< 100	56	< 1	< 0.1	0.11	< 0.1	< 1	2.6	300	24.0	0.2	1.94	0.3	0.03	0.4
66904					< 0.1	5.65	< 0.1	< 1	< 100	1000	2	0.2	0.46	< 0.1	28	0.8	192	30.7	0.2	1.01	4.4	1.77	11.9
66905					< 0.1	4.91	0.2	< 1	< 100	101	3	< 0.1	0.33	< 0.1	93	2.6	181	5.9	< 0.1	1.33	9.6	0.19	49.1
66906					< 0.1	5.48	< 0.1	< 1	< 100	108	< 1	0.1	6.87	< 0.1	16	59.2	409	317	0.1	10.0	1.6	0.41	7.7
66907					< 0.1	7.16	< 0.1	< 1	< 100	247	< 1	< 0.1	2.88	< 0.1	27	35.9	409	69.5	1.0	4.74	2.8	1.69	12.4
66908					0.4	6.46	< 0.1	< 1	< 100	272	< 1	0.3	5.33	< 0.1	13	15.6	235	73.5	0.2	6.65	2.0	0.57	5.8
66909	4.14				0.2	3.56	0.7	> 10000	1100	114	< 1	5.5	1.11	1.8	10	36.6	250	367	0.3	9.19	0.7	0.50	5.2
66910					< 0.1	1.14	< 0.1	26	< 100	6	< 1	< 0.1	12.9	< 0.1	7	10.4	219	37.1	< 0.1	1.93	0.2	0.02	3.7
66911 BLC					< 0.1	6.24	< 0.1	20	< 100	482	1	< 0.1	1.78	< 0.1	17	6.1	221	9.9	0.6	1.58	1.1	1.50	9.0
66912					< 0.1	5.51	0.1	4	< 100	64	< 1	0.2	4.03	< 0.1	7	37.6	122	391	0.1	7.25	0.8	0.11	3.7
66913					< 0.1	5.51	< 0.1	4	< 100	171	2	0.1	4.93	3.1	160	5.0	79	5.9	< 0.1	4.25	33.5	1.13	55.8
66914					< 0.1	5.59	< 0.1	3	< 100	344	< 1	< 0.1	3.72	0.1	2	51.0	1590	253	0.6	3.40	0.4	0.49	0.6
66915					< 0.1	7.33	< 0.1	< 1	< 100	11	< 1	< 0.1	5.65	0.2	59	44.6	175	297	< 0.1	9.77	2.3	0.02	27.1
66916					< 0.1	2.23	< 0.1	4	500	195	< 1	< 0.1	1.51	< 0.1	2	9.7	348	17.1	0.8	1.89	0.2	0.56	1.0
66917					< 0.1	1.61	0.5	2	< 100	36	< 1	< 0.1	0.05	< 0.1	2	7.4	263	918	0.2	2.18	0.3	0.26	0.8
66918					< 0.1	0.29	< 0.1	10	< 100	22	< 1	< 0.1	0.54	< 0.1	< 1	2.2	370	11.5	< 0.1	0.91	< 0.1	0.09	0.7

Analyte Symbol	As	Cu	Pb	Zn	Te	Al	Ag	As	Au	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Cs	Fe	Hf	K	La
Unit Symbol	%	%	%	%	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm
Lower Limit	0.01	0.005	0.01	0.01	0.1	0.01	0.1	1	100	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.1	0.01	0.1	0.01	0.1
Method Code	FUS-Na2O2	FUS-Na2O2	FUS-Na2O2	FUS-Na2O2	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
66356					< 0.1	1.19	< 0.1	154	< 100	102	< 1	< 0.1	1.96	< 0.1	2	27.3	611	40.7	0.3	2.07	0.2	0.74	0.9
66357					< 0.1	2.12	0.1	339	< 100	275	< 1	< 0.1	7.32	< 0.1	4	61.6	741	77.9	0.5	5.01	0.5	1.30	1.4
66358					< 0.1	4.70	< 0.1	2	< 100	183	< 1	< 0.1	5.22	0.1	31	44.0	470	34.5	0.4	5.75	1.2	0.52	15.1
66361					< 0.1	7.89	< 0.1	< 1	< 100	194	< 1	< 0.1	6.33	< 0.1	19	45.8	108	81.7	0.2	8.41	1.2	0.19	8.6
66362					< 0.1	0.40	< 0.1	31	< 100	73	< 1	< 0.1	0.21	< 0.1	1	5.5	404	14.4	< 0.1	0.98	< 0.1	0.18	0.5
66363					< 0.1	1.42	< 0.1	200	< 100	135	< 1	< 0.1	6.20	< 0.1	4	30.0	596	22.6	0.4	3.44	0.4	0.54	1.9
66364					< 0.1	0.13	1.0	12	200	12	< 1	0.1	0.02	3.1	< 1	1.8	269	600	< 0.1	0.35	< 0.1	0.06	0.2
66365					< 0.1	0.12	10.5	12	< 100	6	< 1	< 0.1	0.02	0.2	< 1	1.7	337	5940	< 0.1	0.83	< 0.1	0.07	< 0.1
66366					< 0.1	0.82	< 0.1	46	< 100	32	< 1	< 0.1	1.91	< 0.1	1	9.2	525	10.3	0.1	1.65	0.2	0.48	0.4
66367					< 0.1	0.34	1.0	24	< 100	45	< 1	< 0.1	0.58	< 0.1	< 1	3.9	459	1020	< 0.1	0.69	< 0.1	0.29	0.4
66368					< 0.1	0.23	< 0.1	15	< 100	35	< 1	< 0.1	0.65	< 0.1	< 1	2.3	291	5.3	< 0.1	0.52	< 0.1	0.21	0.2
66369					< 0.1	8.27	< 0.1	2	< 100	720	1	< 0.1	3.59	0.1	54	16.1	99	6.8	0.4	5.47	2.1	1.85	27.5
66370					< 0.1	6.99	< 0.1	1	< 100	550	< 1	< 0.1	2.95	< 0.1	47	14.2	73	5.2	0.4	4.86	1.4	1.48	23.3
67309					< 0.1	6.91	< 0.1	< 1	< 100	99	9	< 0.1	4.60	< 0.1	176	43.1	166	158	0.2	11.0	7.5	0.22	87.5
67310					< 0.1	8.09	< 0.1	8	< 100	408	< 1	< 0.1	0.42	0.5	56	33.2	155	72.0	0.5	5.72	4.3	2.49	33.9
67311					< 0.1	3.81	< 0.1	298	< 100	333	< 1	< 0.1	8.93	< 0.1	15	55.1	612	74.6	0.4	6.85	1.4	1.28	6.4
67312					< 0.1	0.19	< 0.1	25	< 100	12	< 1	< 0.1	1.94	< 0.1	1	5.5	290	17.4	< 0.1	0.98	0.1	0.06	0.8
67313					< 0.1	0.37	< 0.1	11	< 100	23	< 1	< 0.1	4.44	< 0.1	2	9.4	223	8.3	< 0.1	13.0	0.2	0.02	1.0
67314					< 0.1	5.43	< 0.1	6	< 100	20	1	< 0.1	9.17	0.1	28	29.4	143	37.8	< 0.1	9.14	3.9	0.03	13.7
67315					< 0.1	7.25	< 0.1	< 1	< 100	107	< 1	< 0.1	5.51	0.2	13	36.8	58	115	0.7	9.78	0.9	0.28	5.6
67316					3.7	0.35	24.5	18	> 2000	62	< 1	0.2	0.12	74.2	< 1	1.5	343	213	< 0.1	0.45	< 0.1	0.17	0.3
67317					< 0.1	3.08	0.4	< 1	< 100	11	< 1	0.2	4.96	0.5	9	107	1400	1000	< 0.1	10.9	1.6	0.06	4.0
67318					< 0.1	8.77	0.2	23	< 100	155	< 1	< 0.1	2.74	0.5	14	37.1	154	153	0.4	7.40	1.3	0.89	6.8
66581					1.4	9.03	18.8	3860	> 2000	298	2	< 0.1	2.86	4.3	1220	377	76	3.9	0.4	0.82	4.4	1.19	613
66582	5.06				23.2	5.94	< 0.1	> 10000	> 2000	142	2	1.0	1.54	< 0.1	369	2670	82	2.9	0.2	6.62	4.1	0.82	184
66583	1.14				4.7	8.85	< 0.1	> 10000	500	418	2	0.9	5.00	< 0.1	172	2740	83	2.0	0.5	1.62	8.1	1.82	76.9
66584					< 0.1	6.68	< 0.1	91	< 100	137	2	< 0.1	1.98	< 0.1	41	7.3	120	5.8	< 0.1	0.77	5.6	0.23	20.1
66585	3.41				8.8	7.60	< 0.1	> 10000	500	219	1	0.1	1.15	< 0.1	91	1040	119	11.7	0.1	1.71	4.8	0.91	48.0
66586					< 0.1	8.75	< 0.1	34	< 100	227	< 1	< 0.1	4.90	0.2	18	32.0	81	75.8	< 0.1	7.08	1.4	0.44	8.4
66587					< 0.1	7.18	< 0.1	13	< 100	630	2	< 0.1	1.39	< 0.1	49	1.5	123	4.8	< 0.1	0.42	6.0	0.93	22.8
66588					< 0.1	6.50	< 0.1	8	< 100	285	2	< 0.1	1.62	< 0.1	30	1.1	101	3.9	< 0.1	0.48	6.2	0.43	13.8
66589					< 0.1	6.69	0.2	5	< 100	753	< 1	< 0.1	0.74	0.1	24	3.5	181	15.6	0.2	2.70	2.8	1.63	12.7
66590					0.3	0.24	0.4	479	< 100	13	< 1	0.2	0.02	35.4	2	1.2	255	31.2	< 0.1	0.63	< 0.1	0.14	1.3
66591					0.7	1.27	0.8	1940	300	81	< 1	0.1	0.25	5.5	13	13.1	397	109	0.2	4.16	0.7	0.67	5.8
66592	1.56				< 0.1	3.06	0.9	> 10000	1200	247	< 1	1.2	0.77	7.9	17	2.9	138	9.1	0.1	2.69	1.3	1.71	8.7
66593					1.1	0.37	6.0	3030	> 2000	25	< 1	0.2	0.02	0.8	4	1.5	684	16.2	< 0.1	1.74	0.2	0.23	2.0
66594					0.1	0.10	1.4	1640	700	5	< 1	< 0.1	0.04	0.9	< 1	4.6	269	45.5	< 0.1	6.51	< 0.1	0.05	0.5
66595					0.2	4.32	0.3	7950	1800	486	< 1	0.7	0.04	< 0.1	26	1.3	295	2.3	0.2	1.69	1.9	1.99	14.1
66596					6.2	0.15	9.5	11	1000	5	< 1	8.8	0.06	< 0.1	< 1	1.7	365	4.3	< 0.1	0.66	< 0.1	0.02	0.2

Analyte Symbol	As	Cu	Pb	Zn	Te	Al	Ag	As	Au	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Cs	Fe	Hf	K	La
Unit Symbol	%	%	%	%	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm
Lower Limit	0.01	0.005	0.01	0.01	0.1	0.01	0.1	1	100	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.1	0.01	0.1	0.01	0.1
Method Code	FUS-Na2O2	FUS-Na2O2	FUS-Na2O2	FUS-Na2O2	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
66597					< 0.1	0.13	< 0.1	30	< 100	14	< 1	< 0.1	0.02	< 0.1	< 1	1.1	363	7.7	< 0.1	0.59	< 0.1	0.07	0.1
66598					4.3	0.08	2.5	4	> 2000	11	< 1	7.9	< 0.01	< 0.1	< 1	0.9	310	12.1	< 0.1	0.62	< 0.1	0.05	0.1
66599					0.6	1.90	0.3	805	200	10	< 1	0.5	0.25	< 0.1	40	129	193	85.5	< 0.1	16.5	0.8	0.02	18.2
66600 MR					0.3	6.23	1.2	4	1000	89	< 1	6.6	3.76	0.2	17	17.4	47	4520	7.4	22.4	1.2	2.70	10.3
66601					< 0.1	3.75	1.6	20	< 100	54	< 1	< 0.1	0.04	2.6	35	12.5	159	10.7	0.3	3.77	1.8	5.25	16.6
66602					< 0.1	6.34	2.0	795	200	183	< 1	0.2	4.22	0.2	13	319	250	7790	0.7	9.01	2.0	1.38	6.0
66372					0.2	5.50	< 0.1	1	< 100	177	1	0.1	5.21	0.4	16	15.9	179	282	0.1	17.0	2.5	1.00	8.7
66373					< 0.1	5.80	< 0.1	45	< 100	663	2	0.2	8.59	< 0.1	134	45.4	380	97.4	1.7	5.47	3.2	1.57	73.0
66374					< 0.1	7.67	0.2	< 1	< 100	242	2	0.7	16.0	0.2	4	86.7	1080	409	< 0.1	8.50	0.8	0.48	2.3
66375					0.1	2.91	< 0.1	9	< 100	29	1	0.2	14.9	< 0.1	4	101	2510	90.4	0.1	6.35	0.7	0.26	1.8
66376					< 0.1	8.24	0.4	7	< 100	224	8	0.2	8.89	0.3	2	57.8	972	687	< 0.1	4.50	0.4	0.46	0.9
66381					< 0.1	0.89	< 0.1	3	< 100	112	< 1	< 0.1	0.20	< 0.1	2	2.8	317	17.9	< 0.1	0.82	0.2	0.51	0.9
66382					< 0.1	8.28	< 0.1	< 1	< 100	187	< 1	< 0.1	6.98	< 0.1	12	32.4	173	14.3	0.5	6.31	0.9	0.85	5.6
66383					< 0.1	6.54	0.8	10	< 100	167	< 1	0.2	5.88	3.5	24	48.4	36	490	0.3	9.18	1.4	0.48	11.8
66384			0.73	1.29	1.3	2.40	5.9	15	100	131	< 1	3.6	7.23	48.7	12	31.5	130	1570	0.2	5.61	0.5	0.28	6.2
66385					< 0.1	7.55	8.8	252	> 2000	234	1	0.3	3.10	1.1	59	70.6	85	9080	1.1	14.2	2.6	0.89	35.4
66386					< 0.1	6.51	0.2	2	100	240	1	0.2	1.47	0.6	8	9.8	139	757	0.3	2.50	4.6	0.60	3.6
66387					< 0.1	0.95	1.0	24	< 100	30	< 1	< 0.1	5.74	0.4	10	8.8	260	920	< 0.1	1.71	0.2	0.19	5.3
66388					< 0.1	8.12	4.1	21	< 100	405	< 1	< 0.1	5.99	2.2	25	24.4	27	2590	0.7	5.30	1.2	2.07	12.4
66389					< 0.1	8.25	< 0.1	1	< 100	8	< 1	0.6	12.5	< 0.1	14	11.3	115	118	< 0.1	5.35	0.9	0.05	6.7
66390 BLC					< 0.1	6.72	< 0.1	< 1	< 100	433	1	< 0.1	1.83	< 0.1	17	5.7	112	9.8	0.6	1.48	1.0	1.46	9.1
66391					< 0.1	0.23	< 0.1	< 1	< 100	2	< 1	< 0.1	0.33	< 0.1	< 1	1.0	298	7.5	< 0.1	0.42	< 0.1	0.01	0.3
66392					< 0.1	7.22	0.2	< 1	< 100	10	< 1	0.9	12.2	0.2	13	64.6	120	455	< 0.1	8.02	0.8	0.10	6.5
66393					< 0.1	8.37	< 0.1	< 1	< 100	89	< 1	< 0.1	4.75	< 0.1	8	18.2	54	111	0.1	11.3	1.6	0.33	2.7
66394					< 0.1	6.43	< 0.1	45	< 100	295	< 1	< 0.1	6.57	< 0.1	54	34.2	467	5.6	0.8	6.09	1.0	2.03	26.5
66395					1.3	5.58	0.3	1	< 100	33	< 1	0.9	3.30	0.2	15	69.1	272	454	0.2	14.3	1.9	0.74	6.6
66396					< 0.1	8.88	< 0.1	< 1	< 100	94	< 1	0.2	7.98	0.1	13	26.7	135	160	0.4	8.17	0.6	0.86	6.6
66603					213	0.21	56.2	81	> 2000	38	< 1	205	0.05	3.5	< 1	2.8	323	13.3	< 0.1	0.96	0.1	0.15	0.5
66604					0.7	0.92	0.2	34	< 100	42	< 1	0.4	0.07	< 0.1	8	39.3	208	63.3	< 0.1	2.62	0.5	0.48	4.0
66605					< 0.1	9.43	< 0.1	< 1	< 100	1260	3	0.2	0.17	< 0.1	22	1.9	122	16.1	1.1	2.01	4.1	3.11	12.1
66606					< 0.1	0.47	< 0.1	3	< 100	29	< 1	< 0.1	0.01	< 0.1	3	2.6	254	9.9	< 0.1	0.80	0.1	0.18	1.7
66607			2.01		7.2	0.07	10.4	2	> 2000	8	< 1	1.0	< 0.01	6.5	< 1	0.6	291	3.8	< 0.1	0.30	< 0.1	0.03	0.2
66608					0.2	0.05	0.2	< 1	< 100	5	< 1	< 0.1	< 0.01	6.9	< 1	0.5	258	4.3	< 0.1	0.28	< 0.1	0.03	< 0.1
66919					0.7	4.89	0.9	24	< 100	30	< 1	0.4	2.39	0.6	18	43.7	131	221	0.5	13.9	1.5	1.23	10.3
66920					0.2	4.26	0.3	138	< 100	187	< 1	0.1	3.92	0.7	14	24.7	535	260	0.7	13.2	1.4	0.99	6.6
66921					< 0.1	0.12	0.2	2	< 100	24	< 1	< 0.1	0.54	< 0.1	< 1	1.0	247	7.0	< 0.1	8.68	< 0.1	0.01	0.4
66922					< 0.1	0.52	< 0.1	< 1	< 100	19	< 1	< 0.1	0.07	< 0.1	2	1.3	270	6.8	< 0.1	0.44	0.1	0.04	1.2

Analyte Symbol	As	Cu	Pb	Zn	Te	Al	Ag	As	Au	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Cs	Fe	Hf	K	La
Unit Symbol	%	%	%	%	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm
Lower Limit	0.01	0.005	0.01	0.01	0.1	0.01	0.1	1	100	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.1	0.01	0.1	0.01	0.1
Method Code	FUS-Na2O2	FUS-Na2O2	FUS-Na2O2	FUS-Na2O2	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
66923					< 0.1	4.74	< 0.1	< 1	< 100	9	< 1	< 0.1	8.71	< 0.1	4	27.4	318	69.0	< 0.1	4.39	0.7	0.01	1.4
66924					< 0.1	0.04	< 0.1	< 1	< 100	2	< 1	< 0.1	0.11	< 0.1	< 1	10.6	294	23.0	< 0.1	1.58	< 0.1	0.01	0.1
66925					< 0.1	0.84	< 0.1	< 1	< 100	39	< 1	< 0.1	0.68	< 0.1	6	8.2	274	36.0	< 0.1	0.90	< 0.1	0.07	2.8
66926					< 0.1	5.04	2.1	107	1300	145	< 1	0.1	0.36	4.3	7	16.1	287	94.8	0.4	2.87	1.7	2.52	3.2
66927	4.42				4.6	0.64	2.1	> 10000	> 2000	8	< 1	1.1	0.10	26.8	13	67.6	247	57.7	< 0.1	6.72	0.4	0.03	6.2
66928	2.49				4.1	1.15	0.4	> 10000	> 2000	78	< 1	0.7	0.22	2.3	19	29.7	242	99.9	< 0.1	10.1	0.4	0.34	10.6
66609			3.54		13.6	0.17	28.2	46	< 100	11	< 1	0.7	0.28	51.0	2	1.1	258	16.9	< 0.1	0.48	< 0.1	0.06	0.8
66610 MR			3.77	5.62	< 0.1	4.07	51.3	138	< 100	199	3	0.3	4.82	165	39	41.5	39	455	2.0	7.24	2.3	2.29	19.6
66611					< 0.1	0.18	< 0.1	12	< 100	18	< 1	< 0.1	0.02	< 0.1	< 1	0.9	313	5.7	< 0.1	0.53	< 0.1	0.11	0.2
66612			1.00		4.7	0.03	> 100	5	> 2000	2	< 1	1.1	< 0.01	62.1	< 1	0.8	354	18.6	< 0.1	0.33	< 0.1	0.01	< 0.1
66613			1.28		14.3	0.02	10.9	34	> 2000	1	< 1	9.8	< 0.01	6.4	< 1	0.7	322	6.8	< 0.1	0.50	< 0.1	< 0.01	< 0.1
66614			0.55		9.7	0.03	11.7	2	> 2000	2	< 1	6.1	< 0.01	0.9	< 1	0.6	330	4.4	< 0.1	0.42	< 0.1	< 0.01	< 0.1
66615					< 0.1	6.49	< 0.1	2	< 100	513	2	< 0.1	0.49	< 0.1	30	1.0	111	71.9	0.1	0.67	4.0	1.41	16.2
66616					0.2	0.07	0.2	2	< 100	6	< 1	0.2	0.01	< 0.1	< 1	0.6	275	2.8	< 0.1	0.30	< 0.1	0.03	0.9
66617					< 0.1	7.68	0.6	42	< 100	121	3	< 0.1	0.26	< 0.1	174	33.1	71	19.1	1.1	3.54	13.0	5.93	103
66618					< 0.1	0.07	< 0.1	7	< 100	3	< 1	< 0.1	0.68	< 0.1	1	1.4	287	21.1	< 0.1	0.91	< 0.1	0.02	0.7
66619					< 0.1	0.07	< 0.1	16	< 100	3	< 1	< 0.1	0.55	0.4	< 1	1.9	299	62.4	< 0.1	1.05	< 0.1	0.03	0.2
66620					< 0.1	0.15	< 0.1	15	< 100	5	< 1	< 0.1	0.32	< 0.1	2	1.5	221	35.6	< 0.1	1.56	0.2	0.07	1.1
66621	2.09				4.3	2.34	2.4	> 10000	> 2000	128	< 1	0.2	0.13	17.9	19	9.4	239	39.2	0.4	3.52	1.0	1.27	9.1
66622					< 0.1	0.10	0.3	300	200	6	< 1	< 0.1	0.02	< 0.1	2	1.7	254	7.5	< 0.1	1.88	< 0.1	0.05	0.9
66623					< 0.1	1.22	2.2	18	1800	50	< 1	0.2	0.16	0.6	5	10.0	274	2540	0.1	2.51	0.2	0.14	2.6
66624					< 0.1	1.49	< 0.1	4	< 100	166	< 1	< 0.1	0.68	0.2	6	1.6	308	8.8	< 0.1	0.77	0.2	0.79	3.0
66625					4.3	0.02	3.1	5	600	1	< 1	1.6	< 0.01	31.8	< 1	1.0	331	8.4	< 0.1	0.40	< 0.1	0.01	0.1
66626			0.67		3.7	0.08	6.3	5	100	8	< 1	1.9	< 0.01	32.4	< 1	1.8	360	13.3	< 0.1	0.44	< 0.1	0.05	0.2
66627					2.8	0.13	5.1	16	< 100	10	< 1	6.6	< 0.01	20.4	< 1	6.5	287	26.1	< 0.1	1.34	< 0.1	0.05	0.3
66628			1.01		4.1	0.14	11.2	12	> 2000	14	< 1	2.2	0.01	109	< 1	1.3	344	24.4	< 0.1	0.81	< 0.1	0.06	0.2
66629 BLC					< 0.1	6.54	< 0.1	1	< 100	433	< 1	< 0.1	1.80	< 0.1	16	5.8	175	8.2	0.6	1.54	1.3	1.44	8.4
66630					< 0.1	0.03	< 0.1	3	< 100	1	< 1	< 0.1	0.02	0.1	< 1	7.1	448	70.8	< 0.1	1.63	< 0.1	< 0.01	< 0.1
66631					< 0.1	1.45	< 0.1	< 1	< 100	367	< 1	< 0.1	0.06	< 0.1	4	1.3	254	3.4	0.1	0.42	0.1	1.88	2.7
66632					< 0.1	5.81	< 0.1	< 1	< 100	26	< 1	< 0.1	11.8	0.1	4	21.3	200	6.2	< 0.1	4.14	0.7	0.03	2.3
66397					< 0.1	6.51	0.6	14	< 100	155	< 1	1.2	1.50	0.6	18	666	168	1760	1.1	17.9	2.2	0.35	11.5
66398		1.82			< 0.1	6.65	6.8	6	< 100	274	< 1	0.3	2.14	1.9	15	26.6	99	> 10000	0.1	9.20	3.1	0.77	8.6
66399		1.06			0.3	7.80	4.4	11	< 100	156	< 1	0.3	1.80	2.0	32	83.6	72	> 10000	0.5	11.7	3.6	0.83	18.8
66400		1.21			0.3	5.11	6.6	116	1700	68	< 1	0.8	3.40	4.0	31	278	90	> 10000	0.5	16.7	2.1	0.79	20.1
66401					< 0.1	8.33	< 0.1	6	< 100	38	< 1	0.2	5.24	< 0.1	17	40.6	57	55.8	0.1	8.77	1.2	0.11	7.3
66402					< 0.1	7.71	< 0.1	3	< 100	65	< 1	0.4	7.31	< 0.1	17	14.7	92	68.8	< 0.1	7.31	2.6	0.17	7.8
66403					< 0.1	7.55	< 0.1	23	< 100	188	< 1	< 0.1	3.76	< 0.1	22	4.9	131	86.5	0.2	1.78	2.7	0.19	9.3
66404					< 0.1	7.52	< 0.1	< 1	< 100	918	3	< 0.1	0.89	< 0.1	72	4.5	123	5.0	1.0	1.61	0.7	2.27	41.3
66405					0.2	0.11	0.2	10	< 100	2	< 1	< 0.1	0.03	< 0.1	< 1	5.7	334	453	< 0.1	1.29	< 0.1	< 0.01	0.1
66406					< 0.1	0.32	< 0.1	2	< 100	18	< 1	< 0.1	0.25	< 0.1	1	3.6	341	44.1	< 0.1	0.62	< 0.1	0.07	0.9
66407					0.7	0.58	0.2	5	< 100	35	< 1	1.1	0.03	< 0.1	4	6.0	346	118	< 0.1	1.76	0.3	0.19	2.6
66408					0.4	3.97	0.2	2	< 100	124	< 1	0.3	0.45	< 0.1	6	3.1	230	123	0.3	2.06	1.3	0.57	3.7

Analyte Symbol	As	Cu	Pb	Zn	Te	Al	Ag	As	Au	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Cs	Fe	Hf	K	La
Unit Symbol	%	%	%	%	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm
Lower Limit	0.01	0.005	0.01	0.01	0.1	0.01	0.1	1	100	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.1	0.01	0.1	0.01	0.1
Method Code	FUS-Na2O2	FUS-Na2O2	FUS-Na2O2	FUS-Na2O2	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
66409					10.5	2.26	1.2	7	< 100	129	< 1	12.6	0.05	< 0.1	7	45.3	275	1230	0.2	5.64	0.6	0.64	4.0
66410 MR					2.4	5.31	3.9	18	1600	359	< 1	< 0.1	3.89	0.3	20	10.5	34	71.5	4.4	2.93	1.8	2.67	10.6
66411					< 0.1	7.18	0.1	142	< 100	186	< 1	< 0.1	6.90	0.1	14	40.6	232	99.1	0.5	6.36	0.8	1.18	5.9
66412					< 0.1	8.75	< 0.1	2	< 100	190	< 1	1.4	5.42	< 0.1	52	34.1	80	210	0.2	6.93	2.8	0.42	24.9
66413					< 0.1	6.70	< 0.1	1	< 100	137	< 1	< 0.1	4.93	< 0.1	13	10.3	146	1.5	0.2	2.08	1.5	0.18	6.2
66414					< 0.1	7.20	< 0.1	< 1	< 100	89	< 1	< 0.1	5.50	< 0.1	29	31.9	115	31.1	0.1	7.48	2.0	0.28	14.8
66415					< 0.1	4.88	< 0.1	16	< 100	219	< 1	< 0.1	6.16	0.1	18	22.8	194	62.3	0.4	5.35	0.5	1.06	8.9
66416					< 0.1	0.07	< 0.1	< 1	< 100	7	< 1	0.1	0.17	< 0.1	2	1.1	225	7.2	< 0.1	0.46	< 0.1	0.02	2.0
66417					< 0.1	7.20	< 0.1	< 1	< 100	113	< 1	0.1	8.36	< 0.1	29	28.0	89	< 0.1	< 0.1	9.68	1.2	0.55	13.2
66418					< 0.1	7.22	0.1	7	< 100	169	< 1	< 0.1	6.56	< 0.1	39	34.5	55	132	0.4	7.94	1.0	0.71	18.2
66419					< 0.1	6.92	< 0.1	1	< 100	444	< 1	0.1	2.64	< 0.1	14	11.3	132	20.7	0.3	3.07	2.1	1.10	7.0
66420					< 0.1	1.42	< 0.1	< 1	< 100	100	< 1	< 0.1	0.62	< 0.1	9	8.0	225	4.4	< 0.1	1.06	0.2	0.28	4.8
66421					< 0.1	8.92	< 0.1	4	< 100	455	< 1	< 0.1	2.54	< 0.1	24	19.5	110	9.3	0.3	5.17	1.7	1.27	12.8
66633					0.1	0.24	0.5	25	200	19	< 1	< 0.1	0.10	2.4	5	13.1	268	95.5	0.3	7.32	0.1	0.04	2.7
66634					< 0.1	6.05	< 0.1	< 1	< 100	26	< 1	< 0.1	9.85	0.1	5	39.5	285	132	< 0.1	6.36	1.2	0.02	1.8
66635					< 0.1	5.09	< 0.1	< 1	< 100	141	< 1	< 0.1	13.4	0.1	29	14.2	240	13.7	< 0.1	5.13	0.6	0.05	14.8
66636					< 0.1	6.59	< 0.1	6	< 100	214	< 1	< 0.1	3.99	< 0.1	13	12.9	164	19.4	0.2	4.10	1.2	0.56	5.4
66637					4.1	8.03	0.2	6	< 100	144	< 1	< 0.1	2.52	0.1	12	21.5	47	13.4	< 0.1	7.46	1.1	0.12	5.0
66638					< 0.1	6.80	< 0.1	8	< 100	171	2	< 0.1	1.07	0.8	43	13.3	160	218	< 0.1	1.21	6.2	0.38	19.4
66929					1.1	1.71	0.2	8	< 100	9	< 1	0.1	2.13	< 0.1	3	47.6	177	715	< 0.1	10.7	0.3	0.01	3.2
66931 MR					3.1	5.40	8.5	11	> 2000	375	< 1	< 0.1	4.52	0.3	21	11.2	30	64.7	3.4	3.16	1.9	1.84	11.0
66935					1.4	0.30	1.2	9	100	12	< 1	0.9	0.70	0.3	< 1	1.8	283	2.9	< 0.1	0.48	< 0.1	0.05	0.5
66937					< 0.1	2.03	< 0.1	< 1	< 100	317	1	< 0.1	0.88	< 0.1	75	4.6	234	153	0.2	8.33	< 0.1	0.57	38.1
66939					2.3	0.27	1.6	12	> 2000	16	< 1	0.3	0.72	0.8	< 1	1.8	331	7.1	< 0.1	0.52	< 0.1	0.06	0.3
66940					4.2	0.13	5.5	< 1	300	1	< 1	0.8	0.11	20.4	< 1	1.8	295	9.9	< 0.1	0.31	< 0.1	< 0.01	< 0.1
66941			0.82		5.1	1.87	5.3	2	400	12	< 1	2.3	0.93	1.1	3	8.8	362	5.4	< 0.1	1.21	< 0.1	0.03	1.3
66942					< 0.1	3.26	0.7	14	< 100	36	< 1	0.6	1.79	0.1	44	71.6	63	413	< 0.1	26.0	3.6	< 0.01	22.0
66943					< 0.1	7.06	0.4	6990	1300	218	2	0.3	3.97	0.2	55	32.9	47	110	1.3	9.19	0.6	3.05	28.8
66944	2.24				< 0.1	6.60	0.4	> 10000	1200	142	2	0.4	2.41	0.1	63	38.7	47	141	1.1	9.20	1.2	3.68	31.1
66945					0.3	2.77	< 0.1	6870	400	305	< 1	0.3	2.11	< 0.1	24	16.3	188	30.5	0.4	3.00	1.1	1.22	12.4
66946					< 0.1	5.61	< 0.1	4570	200	473	< 1	0.2	3.49	0.1	70	22.6	73	117	0.6	3.76	1.0	1.78	38.2

Analyte Symbol	Li	Na	Nb	Ni	P	Rb	Pb	S	Mg	Mn	Mo	Sb	Sc	Sn	Sr	Ta	Th	Ti	Tl	U	V	W	Y
Unit Symbol	ppm	%	ppm	ppm	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.001	0.1	0.1	0.001	0.1	0.1	1	0.01	1	0.1	0.1	1	0.1	1	0.1	0.1	0.001	0.05	0.1	4	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
66893 39138-B	2.2	0.024	0.4	10.5	0.002	1.7	1730	< 1	0.23	164	20.1	0.4	1	0.4	10	< 0.1	< 0.1	0.010	< 0.05	< 0.1	6	0.4	0.9
66894	9.4	0.173	0.5	39.9	0.007	12.4	3970	< 1	0.87	307	13.9	0.9	10	0.5	15	< 0.1	0.1	0.118	0.12	< 0.1	62	4.4	2.8
66895	2.9	0.628	1.4	6.5	0.021	9.1	2130	< 1	0.22	152	18.3	0.5	2	0.7	12	< 0.1	1.1	0.085	0.08	0.4	20	3.9	2.8
66896	1.1	0.022	0.2	16.3	0.005	1.3	186	2	0.08	70	16.1	0.7	< 1	0.4	5	< 0.1	< 0.1	0.011	< 0.05	< 0.1	9	1.0	0.3
66897	1.7	0.329	0.8	8.4	0.007	1.8	517	< 1	0.12	122	17.4	0.5	< 1	0.4	8	< 0.1	0.4	0.031	< 0.05	0.2	8	1.2	0.9
66898	0.4	0.011	0.2	7.2	< 0.001	0.4	> 5000	< 1	0.04	62	19.1	2.6	< 1	0.5	5	< 0.1	< 0.1	0.002	0.05	< 0.1	< 4	0.3	0.2
66899	3.5	0.087	0.7	11.1	0.002	6.0	1770	< 1	0.48	414	17.2	0.7	4	1.5	29	< 0.1	0.2	0.050	0.06	< 0.1	33	2.9	2.7
66900	2.9	0.357	1.2	7.8	0.014	8.5	2570	< 1	0.19	140	19.1	0.7	3	0.5	7	< 0.1	0.9	0.073	0.06	0.3	22	0.9	2.4
66901	1.2	0.236	0.5	6.6	0.003	1.2	217	< 1	0.08	104	22.9	0.4	< 1	0.4	7	< 0.1	0.1	0.016	< 0.05	< 0.1	4	0.3	0.5
66341	4.1	0.349	1.4	112	0.022	30.2	67.6	< 1	3.30	1700	11.1	0.2	16	0.6	375	< 0.1	0.9	0.146	0.20	0.3	134	0.1	7.0
66342	6.9	0.038	0.7	513	0.028	44.4	3.3	< 1	8.27	1610	8.1	1.1	21	1.9	251	< 0.1	0.2	0.144	0.25	0.2	123	0.4	7.6
66343	2.7	0.026	0.6	253	0.040	25.4	2.2	< 1	6.14	763	14.4	0.5	10	0.5	73	< 0.1	< 0.1	0.082	0.14	< 0.1	59	0.1	3.9
66345	0.5	0.041	0.4	16.7	0.006	4.8	27.4	1	0.35	178	20.8	5.8	1	0.6	33	< 0.1	0.2	0.023	0.06	< 0.1	5	0.2	0.9
66346	17.8	0.561	1.6	93.7	0.054	4.6	60.4	< 1	2.74	728	13.4	0.1	11	0.7	325	< 0.1	0.8	0.173	< 0.05	0.2	86	0.2	6.2
66347	7.9	2.26	1.1	10.8	0.142	30.0	7.6	1	2.52	1780	1.1	0.1	36	1.4	461	< 0.1	7.5	0.552	0.19	2.3	187	0.2	27.9
66348	4.3	0.047	0.6	238	0.034	28.5	1.8	< 1	3.15	726	15.2	0.5	9	1.0	119	< 0.1	0.1	0.174	0.17	< 0.1	65	0.2	3.8
66349	0.8	0.027	0.4	31.8	0.001	7.4	1.1	< 1	0.33	78	23.4	1.1	1	0.7	13	< 0.1	< 0.1	0.016	0.05	< 0.1	7	0.4	0.4
66350 MR	40.7	0.936	2.3	11.0	0.066	84.8	21.2	< 1	0.93	700	6.6	2.2	14	0.8	255	0.1	2.9	0.272	1.06	0.8	116	3.6	9.0
66351	8.0	0.030	0.8	437	0.008	29.5	0.9	< 1	6.17	728	14.9	1.4	15	0.8	66	< 0.1	< 0.1	0.136	0.16	< 0.1	92	0.2	3.2
66352	1.5	0.023	0.3	121	0.002	11.0	0.7	< 1	1.84	347	21.7	1.0	4	0.5	41	< 0.1	< 0.1	0.030	0.06	< 0.1	18	< 0.1	1.5
66353	2.4	0.039	0.6	163	0.002	14.6	1.3	< 1	1.65	267	19.6	1.1	4	0.5	32	< 0.1	< 0.1	0.033	0.08	< 0.1	20	0.2	1.5
66354	4.4	0.278	0.3	217	0.001	7.3	2.3	< 1	4.52	1090	14.9	1.0	8	0.5	92	< 0.1	< 0.1	0.052	0.06	< 0.1	34	< 0.1	4.0
66355	3.5	0.022	0.5	357	0.001	22.2	1.4	< 1	4.05	440	13.1	1.3	9	0.8	55	< 0.1	0.1	0.133	0.11	0.1	71	0.2	2.6
66902	0.2	0.008	0.5	11.0	0.003	2.8	0.5	< 1	0.10	81	20.7	0.1	< 1	0.3	1	< 0.1	0.1	0.004	< 0.05	0.1	< 4	0.4	0.3
66903	0.1	0.004	0.7	9.8	0.004	1.4	0.4	< 1	0.04	73	23.4	0.1	< 1	0.2	6	< 0.1	< 0.1	0.003	< 0.05	< 0.1	< 4	0.4	0.3
66904	1.6	3.38	16.2	4.3	0.005	58.1	12.3	< 1	0.02	169	16.1	0.2	3	4.3	60	0.8	7.6	0.036	0.43	2.6	< 4	1.3	18.4
66905	1.5	4.30	72.1	5.5	0.029	4.9	22.0	< 1	0.02	62	17.0	0.2	3	4.9	100	2.6	11.9	0.234	< 0.05	4.0	9	0.5	35.1
66906	4.5	1.04	1.1	56.4	0.053	6.0	2.1	1	3.60	2140	6.8	0.4	43	1.2	153	< 0.1	1.3	0.374	0.06	3.1	238	< 0.1	14.0
66907	12.2	1.94	6.9	58.1	0.081	38.4	4.7	1	1.20	686	12.9	0.8	31	1.4	120	0.4	2.2	0.399	0.44	1.4	146	0.3	16.3
66908	5.7	2.60	1.7	19.8	0.067	11.7	10.2	< 1	3.55	1490	5.8	0.9	42	1.2	312	< 0.1	1.5	0.520	0.15	0.7	261	< 0.1	16.2
66909	9.5	0.680	0.8	41.1	0.093	10.5	13.4	3	1.62	914	9.5	22.3	16	0.8	80	< 0.1	0.9	0.194	0.18	0.4	122	0.6	5.9
66910	8.9	0.013	0.8	24.9	0.011	0.5	0.7	< 1	1.22	699	9.0	0.1	10	0.4	48	< 0.1	0.2	0.078	< 0.05	0.1	59	0.3	3.5
66911 BLC	8.2	3.19	0.2	25.3	0.022	48.1	7.2	< 1	0.60	283	5.9	< 0.1	6	0.5	361	< 0.1	1.3	0.098	0.26	0.3	28	< 0.1	5.6
66912	15.6	1.60	< 0.1	19.0	0.033	2.7	1.6	< 1	2.03	1090	3.5	0.2	35	0.2	186	< 0.1	0.4	0.259	< 0.05	0.3	298	< 0.1	13.3
66913	5.2	2.86	136	11.6	0.021	19.4	15.3	< 1	1.52	1390	7.0	0.4	< 1	10.6	97	11.2	7.8	0.186	0.24	4.1	8	0.4	61.7
66914	11.1	1.20	0.5	387	0.021	17.1	2.1	< 1	2.06	586	11.8	0.2	27	0.3	92	< 0.1	< 0.1	0.175	0.16	0.1	115	0.3	7.4
66915	38.4	2.92	0.1	106	0.118	0.4	3.2	< 1	2.27	1600	0.1	< 0.1	25	1.1	137	< 0.1	2.4	0.168	< 0.05	0.9	93	< 0.1	21.7
66916	15.0	0.372	0.8	19.7	0.018	18.9	0.9	< 1	0.92	321	19.4	0.6	13	0.3	61	< 0.1	0.1	0.064	0.14	0.1	72	0.8	2.0
66917	13.4	0.203	0.7	9.0	0.011	7.4	0.7	< 1	0.59	197	20.0	1.4	8	0.4	9	< 0.1	0.2	0.092	0.05	0.9	74	0.6	2.0
66918	0.7	0.045	0.7	15.2	0.003	2.6	0.5	< 1	0.16	241	26.6	0.9	1	0.4	14	< 0.1	< 0.1	0.009	< 0.05	< 0.1	14	0.6	0.6
66356	3.4	0.022	0.8	235	0.006	16.5	1.2	< 1	2.56	340	20.4	1.7	6	0.9	30	< 0.1	< 0.1	0.098	0.09	< 0.1	40	0.4	2.0

Analyte Symbol	Li	Na	Nb	Ni	P	Rb	Pb	S	Mg	Mn	Mo	Sb	Sc	Sn	Sr	Ta	Th	Ti	Tl	U	V	W	Y
Unit Symbol	ppm	%	ppm	ppm	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.001	0.1	0.1	0.001	0.1	0.1	1	0.01	1	0.1	0.1	1	0.1	1	0.1	0.1	0.001	0.05	0.1	4	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
66357	6.1	0.029	1.1	673	< 0.001	33.1	1.1	< 1	7.61	1020	6.7	0.9	19	1.1	103	< 0.1	0.1	0.256	0.18	< 0.1	127	0.2	5.9
66358	16.6	1.45	0.1	185	0.059	12.8	2.1	< 1	6.49	1190	1.0	< 0.1	36	0.3	157	< 0.1	2.5	0.245	0.09	0.7	140	< 0.1	10.4
66361	9.7	1.33	0.2	52.2	0.054	3.9	1.8	< 1	4.24	1370	0.6	< 0.1	31	0.2	332	< 0.1	0.8	0.268	< 0.05	0.4	141	< 0.1	14.0
66362	1.9	0.024	0.5	62.3	0.001	3.6	1.1	< 1	0.64	146	23.9	0.8	2	0.5	6	< 0.1	< 0.1	0.039	< 0.05	< 0.1	11	0.2	0.8
66363	5.0	0.275	1.5	273	0.012	18.2	1.8	< 1	4.99	957	13.5	0.8	13	0.8	156	< 0.1	0.2	0.124	0.13	< 0.1	66	0.3	4.9
66364	1.2	0.056	0.2	17.0	0.001	1.3	17.5	< 1	0.02	36	17.7	1.0	< 1	0.4	1	< 0.1	< 0.1	0.005	< 0.05	< 0.1	< 4	0.3	< 0.1
66365	0.7	0.024	0.5	12.6	0.001	1.9	1.0	< 1	0.02	30	19.2	1.4	< 1	0.7	< 1	< 0.1	< 0.1	0.008	< 0.05	< 0.1	< 4	0.6	0.1
66366	0.7	0.020	0.4	113	0.001	15.7	2.7	< 1	2.18	344	16.1	0.3	6	0.7	30	< 0.1	< 0.1	0.062	0.10	0.1	39	0.2	1.8
66367	0.6	0.022	0.6	37.8	< 0.001	7.4	0.4	< 1	0.51	107	22.1	3.7	1	0.4	18	< 0.1	< 0.1	0.028	< 0.05	< 0.1	9	0.8	0.7
66368	0.4	0.019	0.2	24.8	< 0.001	5.4	1.5	< 1	0.37	124	15.4	0.6	1	0.3	16	< 0.1	< 0.1	0.013	< 0.05	< 0.1	6	0.2	0.4
66369	11.6	3.41	3.2	6.7	0.137	51.8	8.3	< 1	1.41	1020	1.8	0.9	17	0.6	315	0.2	5.1	0.278	0.31	1.5	57	0.3	24.4
66370	10.6	2.83	2.2	5.4	0.117	44.3	6.9	< 1	1.28	906	1.1	0.5	16	0.4	262	0.1	3.7	0.220	0.26	1.0	44	0.1	22.0
67309	14.3	3.58	4.0	92.9	0.224	5.4	2.3	< 1	3.41	1480	4.0	< 0.1	13	3.3	52	< 0.1	8.4	0.542	< 0.05	2.4	78	< 0.1	47.9
67310	21.3	4.69	11.3	43.6	0.030	36.4	4.8	1	1.39	943	11.9	< 0.1	11	0.7	52	0.7	14.9	0.346	0.33	3.9	108	0.9	17.5
67311	17.0	0.455	0.8	394	0.045	31.5	1.3	< 1	4.80	1200	1.0	< 0.1	27	0.2	180	< 0.1	0.5	0.343	0.37	0.3	202	< 0.1	7.3
67312	0.5	0.027	0.8	13.9	0.005	1.1	0.8	< 1	0.03	151	22.1	0.4	< 1	0.4	24	< 0.1	0.5	0.020	< 0.05	< 0.1	6	0.1	0.9
67313	0.6	0.039	0.4	66.0	0.020	1.6	1.1	1	0.07	334	11.6	0.7	< 1	0.3	60	< 0.1	0.8	0.014	< 0.05	0.4	5	0.3	0.8
67314	4.4	1.61	21.3	34.3	0.071	0.1	2.2	< 1	2.93	1780	6.2	1.1	31	2.4	25	1.2	2.1	0.836	< 0.05	0.7	400	0.5	27.2
67315	13.1	2.65	0.2	16.9	0.072	3.7	2.0	< 1	2.24	1790	0.2	< 0.1	29	0.2	460	< 0.1	0.4	0.280	0.07	0.3	263	< 0.1	20.2
67316	1.0	0.020	0.5	12.1	0.002	4.0	2960	< 1	0.12	57	21.1	1.6	< 1	0.6	3	< 0.1	< 0.1	0.015	< 0.05	< 0.1	10	0.2	0.3
67317	2.1	0.248	0.2	1220	0.025	1.0	10.6	2	11.1	1270	0.6	0.1	21	0.7	12	< 0.1	1.3	0.223	0.05	0.4	179	< 0.1	13.6
67318	29.4	4.42	2.8	86.5	0.070	22.9	11.6	3	2.64	667	1.2	0.3	29	1.2	219	< 0.1	0.8	0.583	0.50	2.4	249	0.2	9.6
66581	2.7	5.40	1.2	44.4	0.050	21.9	140	< 1	0.13	253	6.7	0.1	4	0.2	358	< 0.1	15.0	0.124	0.08	4.7	42	0.6	89.5
66582	4.2	4.00	1.7	8.7	0.024	15.6	7.1	< 1	0.57	248	4.8	4.5	10	1.1	177	< 0.1	4.3	0.075	0.07	3.0	32	0.6	48.7
66583	5.6	5.45	6.2	162	0.022	23.8	7.5	< 1	0.30	540	6.1	0.6	2	0.5	365	0.3	3.0	0.185	0.14	2.7	24	1.4	32.5
66584	1.9	4.85	14.2	4.2	0.010	3.6	3.8	< 1	0.07	224	9.7	0.3	9	1.4	219	0.8	3.1	0.112	< 0.05	1.4	< 4	0.3	34.3
66585	1.7	4.83	0.3	4.6	0.016	14.6	2.9	< 1	0.06	116	69.7	0.2	4	0.2	172	< 0.1	4.1	0.050	< 0.05	2.2	< 4	0.1	33.3
66586	12.8	4.36	5.5	35.4	0.073	5.7	5.5	< 1	2.63	1260	1.8	0.2	22	0.8	249	0.2	0.7	0.550	< 0.05	0.4	217	0.3	10.7
66587	1.4	4.45	4.6	3.4	0.010	14.3	4.2	< 1	0.06	120	11.9	0.1	9	0.8	219	0.1	4.1	0.100	0.08	1.8	< 4	0.1	38.3
66588	2.0	4.55	6.3	3.3	0.007	6.1	5.1	< 1	0.08	170	6.6	0.1	6	0.5	244	< 0.1	3.3	0.101	< 0.05	1.2	< 4	0.6	20.8
66589	6.4	2.11	7.5	3.4	0.035	33.0	505	< 1	0.53	447	15.5	0.4	5	2.3	45	0.5	3.7	0.182	0.15	1.3	15	0.9	14.2
66590	0.5	0.010	0.4	5.8	0.003	3.0	52.5	< 1	0.02	42	35.4	4.4	< 1	0.4	1	< 0.1	0.1	0.011	< 0.05	0.4	11	0.5	1.1
66591	3.2	0.018	3.1	42.1	0.064	14.9	34.0	3	0.26	165	25.5	13.5	5	0.7	4	0.1	0.5	0.182	0.11	0.5	55	2.9	8.7
66592	4.2	0.068	2.9	3.5	0.016	32.5	163	2	0.09	262	8.9	10.5	3	1.0	22	0.1	1.6	0.073	0.14	15.2	8	0.6	10.8
66593	0.6	0.019	1.3	11.7	0.010	4.8	350	< 1	0.03	65	44.7	12.9	1	0.8	3	< 0.1	0.3	0.048	< 0.05	0.4	16	0.8	2.9
66594	0.2	0.009	0.3	9.6	0.006	0.9	373	7	0.02	49	15.7	12.7	< 1	0.4	2	< 0.1	< 0.1	0.004	< 0.05	1.3	< 4	0.2	0.2
66595	5.0	0.114	5.2	3.7	0.023	40.7	13.4	< 1	0.12	57	20.1	15.9	4	1.6	24	0.3	2.5	0.118	0.19	0.9	7	2.7	10.0
66596	0.3	0.015	0.2	6.2	0.001	0.5	400	< 1	0.02	89	18.3	0.2	< 1	0.3	7	< 0.1	< 0.1	0.004	< 0.05	< 0.1	< 4	0.3	0.3
66597	0.5	0.012	0.6	5.1	0.002	1.7	19.1	< 1	< 0.01	59	22.4	0.4	< 1	0.3	2	< 0.1	< 0.1	0.005	< 0.05	< 0.1	< 4	0.3	0.5

Analyte Symbol	Li	Na	Nb	Ni	P	Rb	Pb	S	Mg	Mn	Mo	Sb	Sc	Sn	Sr	Ta	Th	Ti	Tl	U	V	W	Y
Unit Symbol	ppm	%	ppm	ppm	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.001	0.1	0.1	0.001	0.1	0.1	1	0.01	1	0.1	0.1	1	0.1	1	0.1	0.1	0.001	0.05	0.1	4	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
66598	0.3	0.017	0.3	5.9	0.003	1.1	8.8	< 1	< 0.01	45	18.3	1.0	< 1	0.3	2	< 0.1	< 0.1	0.005	< 0.05	0.1	< 4	0.5	0.1
66599	3.2	0.019	4.4	62.6	0.116	0.8	48.3	> 10.0	0.71	1180	14.0	5.8	5	0.5	14	0.2	3.4	0.114	< 0.05	1.2	63	0.3	13.7
66600 MR	125	0.765	14.5	15.9	0.527	575	7.9	< 1	0.80	3280	259	0.4	6	123	101	< 0.1	5.6	0.131	5.96	8.5	58	> 200	7.6
66601	2.4	0.191	1.9	26.7	0.011	83.9	74.0	4	0.03	31	12.5	0.7	< 1	0.6	33	0.1	6.0	0.045	1.02	0.5	20	33.7	2.0
66602	8.5	2.31	2.8	23.2	0.060	35.0	4.5	2	2.18	1090	6.5	0.2	26	4.2	160	< 0.1	0.6	0.556	0.19	0.8	190	12.3	13.3
66372	3.7	0.738	5.5	98.5	0.205	13.4	3.8	3	2.63	1910	3.4	0.3	17	2.3	43	0.3	1.5	0.364	0.24	1.4	159	8.2	20.4
66373	14.5	2.15	9.3	101	0.154	55.2	10.8	< 1	6.28	997	1.8	1.4	28	1.4	2400	0.6	12.6	0.506	0.45	3.9	191	4.7	17.7
66374	2.3	0.131	17.9	783	0.069	6.8	10.3	2	3.07	1460	6.3	1.1	22	52.8	1220	< 0.1	0.1	0.298	0.06	4.4	221	4.6	10.0
66375	5.4	0.404	1.5	1260	0.035	6.5	2.1	< 1	7.72	1520	5.5	0.6	21	10.4	211	< 0.1	0.2	0.322	0.08	2.1	146	3.6	7.8
66376	3.9	3.47	22.6	575	0.061	7.8	5.4	< 1	2.20	1010	3.8	3.3	10	11.8	1140	0.1	< 0.1	0.168	0.08	3.0	74	2.3	5.6
66381	1.0	0.021	0.8	12.9	0.005	12.7	0.5	< 1	0.16	158	22.5	0.6	2	0.4	5	< 0.1	0.1	0.035	0.09	< 0.1	9	0.8	0.7
66382	7.5	2.60	3.1	82.3	0.030	24.8	2.7	< 1	4.28	1090	6.9	0.2	25	0.7	338	0.2	0.6	0.547	0.24	0.4	280	1.1	6.1
66383	10.8	3.11	3.7	13.1	0.131	9.7	532	2	2.28	1470	1.2	0.3	26	1.1	306	0.1	1.2	0.568	0.10	0.7	341	1.0	10.9
66384	4.8	0.794	1.7	18.1	0.048	6.1	> 5000	2	1.57	1390	7.5	2.0	15	0.5	351	< 0.1	0.4	0.192	< 0.05	0.2	180	1.0	8.5
66385	12.0	1.84	1.7	26.6	0.103	30.2	12.7	2	2.10	1050	0.3	< 0.1	32	2.6	135	< 0.1	3.1	0.520	0.23	4.4	103	0.8	47.3
66386	6.9	3.97	7.5	6.3	0.022	14.3	13.1	< 1	0.48	184	13.1	0.2	4	0.5	185	0.7	5.8	0.194	0.08	2.5	33	0.9	3.9
66387	5.9	0.023	0.8	31.4	0.013	5.2	3.1	< 1	0.54	371	14.1	0.2	3	0.4	29	< 0.1	0.2	0.067	< 0.05	< 0.1	23	2.8	4.4
66388	18.8	3.43	0.2	26.9	0.074	58.1	9.1	< 1	1.79	702	1.0	< 0.1	17	1.1	118	< 0.1	1.3	0.186	0.42	1.6	67	0.4	15.5
66389	1.7	0.128	0.2	13.1	0.072	0.9	4.5	< 1	1.41	1150	0.7	< 0.1	25	0.3	165	< 0.1	1.6	0.189	< 0.05	0.6	98	0.4	12.3
66390 BLC	8.3	3.17	< 0.1	22.0	0.022	45.1	7.7	< 1	0.58	269	1.3	< 0.1	6	0.4	353	< 0.1	1.5	0.102	0.26	0.4	28	0.3	5.4
66391	0.3	0.027	0.7	5.8	0.011	0.3	0.8	< 1	0.05	65	22.0	< 0.1	< 1	0.3	4	< 0.1	< 0.1	0.029	< 0.05	< 0.1	6	0.3	0.6
66392	1.6	0.145	2.7	77.9	0.037	1.0	4.6	1	3.04	1390	5.7	< 0.1	20	1.3	180	< 0.1	0.5	0.469	< 0.05	0.5	292	1.0	13.5
66393	8.7	3.05	1.4	11.4	0.032	7.7	2.3	< 1	2.89	712	1.7	< 0.1	18	1.6	234	< 0.1	0.7	0.492	< 0.05	1.0	394	0.3	14.3
66394	18.4	0.243	2.4	112	0.198	58.8	1.7	< 1	3.93	1220	1.5	0.1	29	0.9	104	0.1	2.3	0.294	0.49	0.8	192	1.1	14.9
66395	4.1	3.23	6.0	226	0.125	16.2	5.3	9	2.59	869	9.2	0.8	22	2.2	142	0.3	1.5	0.408	0.19	2.1	215	0.5	15.4
66396	11.3	0.832	0.9	34.9	0.042	18.9	3.3	< 1	2.91	1560	1.6	< 0.1	22	0.7	118	< 0.1	0.7	0.446	0.13	0.3	204	0.3	9.5
66603	0.4	0.016	0.6	4.7	0.002	2.9	183	< 1	0.02	67	19.7	0.7	< 1	0.4	2	< 0.1	0.2	0.011	< 0.05	< 0.1	< 4	0.7	1.3
66604	3.3	0.016	2.9	18.2	0.030	7.8	22.4	2	0.18	42	11.3	3.1	4	0.6	3	0.1	0.8	0.130	0.06	2.1	266	1.0	2.7
66605	28.3	1.63	< 0.1	5.7	0.022	96.7	10.3	< 1	0.87	145	1.9	< 0.1	11	0.7	78	< 0.1	18.1	0.135	0.63	5.0	90	0.1	8.9
66606	1.1	0.017	0.6	5.0	0.004	4.5	15.3	< 1	0.08	95	14.1	0.2	< 1	0.3	4	< 0.1	1.6	0.011	< 0.05	13.1	< 4	0.5	1.9
66607	0.2	0.012	0.3	4.9	0.003	0.7	> 5000	< 1	0.01	43	20.0	4.1	< 1	0.4	1	< 0.1	< 0.1	0.004	< 0.05	0.1	< 4	0.4	0.2
66608	0.2	0.010	0.2	5.4	< 0.001	0.5	229	< 1	< 0.01	34	14.8	0.2	< 1	0.4	2	< 0.1	< 0.1	0.002	< 0.05	< 0.1	< 4	0.4	< 0.1
66919	19.6	0.351	3.8	272	0.060	36.4	22.1	9	2.21	695	8.9	1.5	17	1.9	195	0.2	1.8	0.268	0.94	1.7	196	1.8	11.7
66920	16.6	0.542	3.5	87.4	0.076	10.0	50.0	< 1	4.65	1330	2.1	3.6	26	3.4	127	0.2	0.6	0.377	1.03	0.6	191	1.6	8.4
66921	1.2	0.006	18.1	4.6	0.033	0.2	11.3	3	0.19	158	16.8	< 0.1	< 1	0.3	13	< 0.1	0.8	0.005	< 0.05	0.3	6	0.7	0.4
66922	0.5	0.365	0.2	6.2	0.007	1.0	20.8	< 1	0.03	49	13.9	0.1	< 1	0.3	12	< 0.1	0.5	0.005	< 0.05	0.1	< 4	0.2	0.6
66923	4.4	0.071	0.1	73.4	0.021	0.3	11.8	< 1	2.83	881	5.0	< 0.1	27	0.3	10	< 0.1	0.2	0.233	< 0.05	< 0.1	155	0.1	8.4
66924	0.3	0.015	0.1	21.7	0.026	0.2	0.8	1	0.03	134	16.0	0.1	< 1	0.3	9	< 0.1	< 0.1	0.007	< 0.05	< 0.1	< 4	0.2	1.0

Analyte Symbol	Li	Na	Nb	Ni	P	Rb	Pb	S	Mg	Mn	Mo	Sb	Sc	Sn	Sr	Ta	Th	Ti	Tl	U	V	W	Y
Unit Symbol	ppm	%	ppm	ppm	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.001	0.1	0.1	0.001	0.1	0.1	1	0.01	1	0.1	0.1	1	0.1	1	0.1	0.1	0.001	0.05	0.1	4	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
66925	1.2	0.452	1.8	23.9	0.045	2.3	2.0	< 1	0.07	786	17.5	< 0.1	3	0.3	20	< 0.1	0.2	0.096	< 0.05	0.1	10	0.2	2.2
66926	4.2	0.111	3.7	38.4	0.035	39.8	375	2	0.37	95	9.7	2.9	20	1.2	12	0.2	0.8	0.293	0.19	0.5	123	2.8	11.6
66927	0.6	0.013	1.5	30.7	0.055	1.3	163	4	0.24	523	20.5	209	3	0.4	10	< 0.1	0.6	0.050	< 0.05	0.3	16	0.4	6.8
66928	2.6	0.011	2.0	26.8	0.022	12.9	46.9	4	0.50	2360	27.3	137	5	1.3	3	0.1	0.4	0.106	0.07	0.4	40	1.8	5.4
66609	0.8	0.018	0.2	5.0	0.004	1.3	> 5000	< 1	0.06	105	20.8	8.6	< 1	0.4	7	< 0.1	0.1	0.011	0.08	< 0.1	< 4	0.2	0.9
66610 MR	34.8	0.132	6.9	16.4	0.061	70.4	> 5000	9	3.08	2170	3.7	45.6	6	2.0	23	0.5	6.7	0.159	61.4	2.6	39	2.0	10.9
66611	0.5	0.013	0.3	5.8	0.002	2.3	28.0	< 1	0.02	40	15.5	0.2	< 1	0.4	2	< 0.1	< 0.1	0.006	< 0.05	< 0.1	< 4	0.4	0.4
66612	0.2	0.011	0.2	4.6	0.001	0.3	> 5000	< 1	< 0.01	35	20.7	4.7	< 1	0.3	2	< 0.1	< 0.1	0.001	< 0.05	< 0.1	< 4	0.3	< 0.1
66613	0.2	0.011	0.2	6.4	0.002	0.1	> 5000	< 1	< 0.01	37	16.5	3.5	< 1	0.3	2	< 0.1	< 0.1	0.003	< 0.05	< 0.1	< 4	0.4	0.1
66614	0.2	0.010	0.2	4.7	0.001	0.2	> 5000	< 1	< 0.01	26	21.2	2.4	< 1	0.2	1	< 0.1	< 0.1	< 0.001	< 0.05	0.6	< 4	0.2	< 0.1
66615	1.7	4.03	4.5	4.1	0.003	22.7	23.2	< 1	0.08	139	9.7	0.2	3	1.8	109	0.2	6.5	0.048	0.08	2.1	15	0.5	16.6
66616	0.3	0.017	0.3	4.9	0.002	0.5	101	< 1	0.01	36	21.3	0.1	< 1	0.3	3	< 0.1	< 0.1	0.004	< 0.05	< 0.1	< 4	0.3	0.2
66617	7.5	2.65	137	27.5	0.020	94.7	17.0	2	0.37	310	6.3	0.4	1	5.1	43	7.5	18.1	0.115	1.99	2.0	14	0.6	42.3
66618	0.2	0.009	0.4	5.3	0.004	0.5	3.6	< 1	0.26	217	19.0	0.5	< 1	0.2	6	< 0.1	< 0.1	0.003	< 0.05	< 0.1	6	0.2	0.5
66619	0.2	0.006	0.4	7.8	0.003	0.6	3.7	< 1	0.18	171	17.3	0.3	< 1	0.3	5	< 0.1	< 0.1	0.003	< 0.05	0.5	< 4	0.2	0.5
66620	0.4	0.009	2.7	5.9	0.016	1.4	4.0	< 1	0.12	173	13.8	0.3	< 1	0.3	3	< 0.1	0.1	0.057	< 0.05	1.5	17	0.9	1.5
66621	6.1	0.023	3.6	15.9	0.035	35.3	748	2	0.48	191	10.8	208	8	1.3	6	< 0.1	1.1	0.311	0.21	0.5	118	3.2	6.9
66622	0.2	0.010	0.4	12.8	0.005	0.8	22.6	2	< 0.01	35	17.0	6.2	< 1	0.3	1	< 0.1	< 0.1	0.006	0.08	0.5	8	0.3	1.1
66623	3.5	0.019	0.6	12.8	0.008	3.1	12.6	< 1	0.86	431	12.6	0.5	3	0.4	5	< 0.1	0.2	0.049	< 0.05	0.1	38	0.8	2.4
66624	2.7	0.027	1.4	4.8	0.007	14.0	2.3	< 1	0.19	324	21.6	0.2	1	0.6	10	< 0.1	0.6	0.038	0.05	0.3	7	1.7	3.2
66625	0.2	0.010	0.2	6.8	< 0.001	0.2	3190	< 1	< 0.01	38	19.1	1.5	< 1	0.3	2	< 0.1	< 0.1	0.002	< 0.05	< 0.1	< 4	0.2	< 0.1
66626	0.2	0.009	0.3	5.3	0.001	0.8	> 5000	< 1	< 0.01	29	22.3	3.5	< 1	0.3	1	< 0.1	< 0.1	0.004	< 0.05	< 0.1	< 4	0.3	0.1
66627	0.4	0.010	0.3	7.3	0.001	1.0	2070	1	0.02	56	16.9	0.9	< 1	0.3	2	< 0.1	< 0.1	0.005	< 0.05	< 0.1	< 4	0.3	0.2
66628	0.4	0.014	0.4	5.7	0.002	1.1	> 5000	< 1	0.02	48	25.1	3.3	< 1	0.5	4	< 0.1	< 0.1	0.009	0.09	< 0.1	< 4	0.4	0.2
66629 BLC	8.2	3.22	1.3	23.3	0.024	44.4	9.5	< 1	0.58	303	7.8	< 0.1	6	0.6	355	< 0.1	1.3	0.157	0.26	0.3	41	0.1	5.2
66630	0.2	0.011	0.3	12.5	0.003	0.1	20.8	1	< 0.01	59	26.8	0.1	< 1	0.3	2	< 0.1	< 0.1	0.002	< 0.05	< 0.1	< 4	0.3	0.2
66631	0.9	0.139	0.3	6.6	0.009	22.3	12.3	< 1	0.03	54	14.4	0.1	< 1	0.2	15	< 0.1	2.1	0.017	0.20	0.6	< 4	0.2	1.5
66632	2.7	0.566	< 0.1	66.5	0.017	0.5	3.4	< 1	2.98	1360	1.5	< 0.1	21	0.2	30	< 0.1	0.2	0.163	< 0.05	< 0.1	121	< 0.1	8.7
66397	9.4	1.43	1.1	26.4	0.076	8.4	6.8	5	2.55	830	1.4	< 0.1	36	1.2	116	< 0.1	0.8	0.435	0.07	1.4	257	0.3	8.6
66398	6.6	3.20	5.0	7.5	0.120	10.7	4.7	2	1.25	345	2.5	0.6	18	2.5	185	< 0.1	1.0	0.607	0.10	10.7	126	0.9	14.5
66399	9.2	3.35	8.2	31.3	0.125	14.7	3.0	2	1.69	587	3.9	0.5	23	1.7	136	0.4	1.0	0.836	0.11	2.1	227	1.8	16.4
66400	14.7	0.448	4.7	51.7	0.081	13.7	9.8	6	1.92	685	5.6	0.3	18	1.6	25	0.2	0.7	0.491	0.10	1.4	193	1.6	16.6
66401	25.2	0.119	2.9	13.4	0.050	2.8	2.2	3	4.82	718	22.5	0.1	31	9.3	172	0.2	2.6	0.396	< 0.05	0.7	293	2.1	16.5
66402	6.0	2.06	2.3	11.5	0.064	2.0	6.6	3	2.32	644	4.3	< 0.1	26	6.3	305	< 0.1	1.7	0.469	< 0.05	0.9	257	0.2	18.0
66403	3.7	4.26	2.3	11.7	0.048	1.7	4.5	< 1	0.95	272	3.5	< 0.1	5	3.4	344	< 0.1	3.0	0.233	< 0.05	1.2	47	0.1	7.2
66404	15.0	2.87	2.5	7.1	0.057	106	23.6	< 1	0.60	263	8.2	< 0.1	2	0.5	313	< 0.1	18.4	0.204	0.86	2.2	31	0.2	5.9
66405	0.9	0.013	0.3	8.0	< 0.001	0.2	1.8	< 1	0.03	38	21.0	< 0.1	< 1	0.3	3	< 0.1	< 0.1	0.009	< 0.05	0.2	< 4	0.5	0.1
66406	2.6	0.024	0.4	6.3	0.005	1.7	1.1	< 1	0.07	56	23.6	< 0.1	< 1	0.3	8	< 0.1	0.1	0.008	< 0.05	< 0.1	< 4	0.4	0.3
66407	1.4	0.118	< 0.1	7.6	0.006	4.5	1.8	< 1	0.05	61	24.0	< 0.1	< 1	0.4	6	< 0.1	0.3	0.029	< 0.05	0.8	7	195	1.2
66408	4.2	1.75	1.1	5.2	0.024	13.4	2.6	< 1	0.18	65	25.4	< 0.1	2	0.6	129	< 0.1	1.0	0.114	0.07	0.3	21	> 200	2.2
66409	5.8	0.583	2.9	9.6	0.015	14.7	2.8	2	0.16	69	16.4	0.3	< 1	0.8	21	0.2	0.6	0.091	0.07	0.2	17	4.0	1.4
66410 MR	40.3	0.945	2.5	11.1	0.069	85.2	20.3	1	1.03	709	6.0	2.0	12	0.8	243	0.1	2.7	0.278	0.97	0.7	109	3.9	8.2

Analyte Symbol	Li	Na	Nb	Ni	P	Rb	Pb	S	Mg	Mn	Mo	Sb	Sc	Sn	Sr	Ta	Th	Ti	Tl	U	V	W	Y
Unit Symbol	ppm	%	ppm	ppm	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.001	0.1	0.1	0.001	0.1	0.1	1	0.01	1	0.1	0.1	1	0.1	1	0.1	0.1	0.001	0.05	0.1	4	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
66411	23.7	1.19	3.7	104	0.077	32.3	6.6	< 1	3.56	1210	2.2	0.3	28	1.0	216	0.1	0.4	0.659	0.22	0.2	175	0.7	13.1
66412	11.7	2.16	7.0	21.3	0.144	10.7	5.4	< 1	2.83	956	2.3	0.1	22	2.2	477	< 0.1	2.9	0.631	0.07	0.9	191	0.7	24.1
66413	4.5	4.06	5.3	28.1	0.050	1.1	2.9	< 1	1.67	399	6.6	0.3	7	3.3	363	0.3	0.7	0.395	< 0.05	0.6	96	0.5	4.7
66414	8.1	2.41	0.1	19.9	0.119	3.8	2.6	< 1	1.61	1080	0.4	< 0.1	25	0.3	304	< 0.1	1.7	0.231	< 0.05	0.7	94	0.1	24.3
66415	16.6	1.61	< 0.1	27.3	0.058	27.6	2.5	< 1	1.05	1040	2.3	0.2	23	0.9	100	< 0.1	0.8	0.232	0.18	0.6	98	0.1	9.8
66416	0.3	0.025	0.2	6.3	0.002	0.5	1.1	< 1	< 0.01	93	16.1	0.2	< 1	0.4	6	< 0.1	< 0.1	0.006	< 0.05	< 0.1	< 4	0.3	0.5
66417	4.2	2.04	4.7	26.0	0.088	4.0	1.5	< 1	2.09	1360	2.3	0.8	25	1.4	294	0.2	1.0	0.723	0.05	0.7	275	0.4	15.3
66418	12.3	1.74	6.8	15.0	0.136	18.1	5.5	< 1	1.75	1380	1.3	0.4	25	1.1	226	0.2	2.1	0.821	0.15	0.9	219	0.2	24.1
66419	8.2	3.76	5.0	19.1	0.048	16.4	3.2	< 1	1.04	563	7.4	0.2	6	0.9	313	0.3	1.6	0.313	0.09	0.7	64	0.4	5.4
66420	2.2	0.438	1.0	10.7	0.010	4.6	2.9	< 1	0.35	208	13.7	< 0.1	3	0.7	27	< 0.1	0.4	0.066	< 0.05	0.1	30	1.0	2.0
66421	14.1	3.61	2.9	43.0	0.063	21.6	2.7	< 1	2.45	930	2.6	< 0.1	14	0.9	180	0.1	2.2	0.401	0.07	0.7	115	0.3	8.7
66633	0.4	0.016	0.8	39.5	0.030	1.4	19.4	7	0.09	195	17.9	1.9	< 1	0.3	3	< 0.1	0.3	0.016	< 0.05	2.5	34	0.4	4.6
66634	7.2	1.38	2.5	88.9	0.031	< 0.1	0.7	< 1	4.35	1320	3.4	0.2	37	2.2	31	0.1	0.1	0.477	< 0.05	< 0.1	279	1.1	11.6
66635	4.2	0.257	< 0.1	59.0	0.090	1.0	4.2	< 1	0.78	735	0.1	< 0.1	18	< 0.1	908	< 0.1	1.6	0.109	< 0.05	0.4	77	< 0.1	12.1
66636	7.0	2.48	0.1	15.0	0.047	11.3	3.8	< 1	0.94	824	0.5	< 0.1	29	0.2	220	< 0.1	0.7	0.167	0.06	0.5	83	< 0.1	14.3
66637	3.0	5.52	7.9	9.4	0.076	1.5	3.8	6	0.80	410	3.2	0.5	22	0.5	325	0.4	0.4	0.693	< 0.05	0.2	202	0.2	8.7
66638	1.4	4.64	12.4	5.9	0.008	6.8	17.9	< 1	0.10	219	17.6	0.4	8	0.7	266	0.5	4.1	0.099	< 0.05	2.2	5	0.6	32.8
66929	2.6	0.021	0.8	22.7	0.184	0.2	2.1	6	0.61	536	10.2	1.6	6	1.2	80	< 0.1	0.2	0.084	< 0.05	0.4	70	0.8	9.8
66931 MR	45.8	1.51	1.9	11.3	0.074	56.8	18.4	< 1	1.29	859	5.1	1.7	13	0.8	294	< 0.1	2.8	0.289	0.59	0.8	111	1.6	8.5
66935	0.4	0.067	0.4	8.8	0.011	0.9	1500	< 1	0.25	235	20.8	0.4	< 1	0.3	30	< 0.1	< 0.1	0.010	< 0.05	< 0.1	< 4	0.4	0.5
66937	4.9	0.799	0.4	7.5	0.067	16.7	15.2	< 1	0.27	491	0.8	< 0.1	9	0.3	54	< 0.1	6.1	0.164	< 0.05	1.6	10	< 0.1	28.2
66939	0.6	0.040	0.5	17.3	0.010	1.2	2330	< 1	0.40	167	22.3	1.4	< 1	0.3	23	< 0.1	< 0.1	0.017	< 0.05	< 0.1	7	0.3	0.6
66940	0.1	0.021	0.1	8.2	< 0.001	< 0.1	4130	< 1	0.08	51	16.2	0.7	< 1	0.2	6	< 0.1	< 0.1	0.001	< 0.05	0.9	4	0.2	< 0.1
66941	1.9	0.215	0.6	34.4	0.003	0.7	> 5000	< 1	0.82	185	20.1	1.0	5	0.3	46	< 0.1	< 0.1	0.031	< 0.05	< 0.1	104	0.3	0.6
66942	19.7	0.039	23.5	14.7	0.150	0.9	23.2	> 10.0	1.99	1090	14.4	0.3	19	1.3	44	1.1	2.1	1.14	< 0.05	0.6	180	0.9	20.3
66943	13.4	1.10	0.2	11.2	0.069	100	11.2	2	2.45	1330	2.2	3.0	34	1.9	216	< 0.1	7.1	0.320	0.73	2.0	368	42.1	14.3
66944	15.9	0.639	0.2	5.3	0.076	111	7.0	3	2.50	1110	3.9	3.9	37	1.6	130	< 0.1	7.3	0.263	0.80	2.1	350	46.2	18.8
66945	5.8	0.589	1.6	12.6	0.046	35.4	6.2	< 1	0.85	580	12.2	18.8	13	0.8	117	< 0.1	3.2	0.355	0.25	0.9	103	38.0	8.5
66946	5.0	2.21	0.3	11.5	0.052	56.8	3.9	< 1	1.12	852	5.7	2.2	20	0.4	241	< 0.1	7.4	0.299	0.39	1.5	157	24.9	14.1

Analyte Symbol	Zn	Zr
Unit Symbol	ppm	ppm
Lower Limit	1	0.1
Method Code	TD-MS	TD-MS
66893 39138-B	26	2.3
66894	34	12.7
66895	814	8.4
66896	233	2.5
66897	953	7.5
66898	1850	1.4
66899	2520	9.1
66900	1280	4.3
66901	283	3.9
66341	233	36.2
66342	67	17.4
66343	47	8.8
[redacted]		
66345	53	3.0
66346	57	18.8
66347	99	114
66348	29	11.3
66349	56	1.5
66350 MR	93	68.2
66351	50	10.6
66352	25	4.5
66353	194	4.7
66354	23	5.3
66355	32	16.3
66902	5	9.1
66903	< 1	12.8
66904	12	126
66905	43	420
66906	98	68.8
66907	45	127
66908	61	85.6
66909	389	63.3
66910	20	10.6
66911 BLC	24	43.5
66912	77	32.3
66913	1840	1330
66914	54	14.5
66915	185	101
66916	20	7.0
66917	33	13.0
66918	11	2.3
66356	19	8.8

Analyte Symbol	Zn	Zr
Unit Symbol	ppm	ppm
Lower Limit	1	0.1
Method Code	TD-MS	TD-MS
66357	34	17.4
66358	71	45.1
66361	104	46.3
66362	14	3.7
66363	29	18.7
66364	1490	1.1
66365	75	1.5
66366	20	8.3
66367	26	2.8
66368	5	1.5
66369	104	78.8
66370	93	52.3
67309	161	404
67310	158	172
67311	69	57.2
67312	6	9.3
67313	8	7.0
67314	94	153
67315	115	28.8
67316	1820	1.9
67317	73	65.6
67318	252	45.8
66581	95	180
66582	19	245
66583	16	308
66584	15	201
66585	8	203
66586	122	54.8
66587	11	216
66588	11	223
66589	51	101
66590	5270	4.3
66591	1020	31.4
66592	1640	63.8
66593	152	12.2
66594	204	4.2
66595	13	75.0
66596	6	1.5
66597	16	1.6

Analyte Symbol	Zn	Zr
Unit Symbol	ppm	ppm
Lower Limit	1	0.1
Method Code	TD-MS	TD-MS
66598	13	3.2
66599	61	35.1
66600 MR	321	54.3
66601	596	72.9
66602	77	82.0
66372	612	109
66373	60	119
66374	43	26.5
66375	159	27.5
66376	47	14.2
[redacted]		
66381	26	7.6
66382	66	30.4
66383	882	58.6
66384	> 10000	21.2
66385	95	106
66386	105	190
66387	35	6.7
66388	141	41.3
66389	26	32.9
66390 BLC	21	42.6
66391	3	0.9
66392	64	26.4
66393	59	64.9
66394	76	50.7
66395	190	79.5
66396	69	23.8
66603	191	5.9
66604	11	24.3
66605	29	154
66606	31	4.5
66607	147	2.9
66608	313	1.0
66919	239	61.0
66920	338	57.8
66921	7	1.5
66922	3	7.4
66923	40	26.4
66924	4	0.9

Analyte Symbol	Zn	Zr
Unit Symbol	ppm	ppm
Lower Limit	1	0.1
Method Code	TD-MS	TD-MS
66925	21	2.8
66926	940	66.5
66927	3850	49.4
66928	410	34.7
66609	1780	4.0
66610 MR	> 10000	84.5
66611	8	3.0
66612	2610	0.5
66613	249	2.2
66614	17	0.3
66615	6	115
66616	6	1.6
66617	74	689
66618	14	2.0
66619	110	2.1
66620	26	8.1
66621	2810	56.8
66622	21	4.0
66623	41	10.1
66624	33	14.5
66625	2180	1.1
66626	1230	1.9
66627	731	2.1
66628	4380	2.7
66629 BLC	20	51.8
66630	11	1.2
66631	25	7.3
66632	87	27.6
66397	112	92.5
66398	119	130
66399	143	154
66400	180	91.2
66401	22	45.2
66402	19	102
66403	22	101
66404	42	78.0
66405	4	1.0
66406	4	2.1
66407	5	11.8
66408	6	53.5
66409	11	26.2
66410 MR	84	71.9

Analyte Symbol	Zn	Zr
Unit Symbol	ppm	ppm
Lower Limit	1	0.1
Method Code	TD-MS	TD-MS
66411	72	33.8
66412	72	118
66413	29	46.9
66414	53	91.2
66415	62	23.7
66416	5	1.3
66417	56	47.7
66418	97	43.1
66419	47	66.6
66420	18	7.8
66421	95	58.3
66633	549	10.0
66634	61	41.9
66635	21	22.9
66636	49	43.9
66637	27	43.6
66638	63	207
66929	25	12.6
66931 MR	69	70.4
66935	7	1.2
66937	65	12.6
66939	10	2.5
66940	591	0.9
66941	17	4.1
66942	95	158
66943	86	45.7
66944	82	92.1
66945	34	49.3
66946	44	67.9

Analyte Symbol	As	Cu	Pb	Zn	Te	Al	Ag	As	Au	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Cs	Fe	Hf	K	La
Unit Symbol	%	%	%	%	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm
Lower Limit	0.01	0.005	0.01	0.01	0.1	0.01	0.1	1	100	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.1	0.01	0.1	0.01	0.1
Method Code	FUS-Na2O2	FUS-Na2O2	FUS-Na2O2	FUS-Na2O2	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	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-1 Meas					10.7	1.79	33.8	481	> 2000	794	< 1	1430	0.95	2.8	13	8.0	19	1250	2.5	25.8	0.5	0.05	6.8
GXR-1 Cert					13.0	3.52	31.0	427	3300	750	1.22	1380	0.960	3.30	17.0	8.20	12.0	1110	3.00	23.6	0.960	0.050	7.50
GXR-1 Meas					14.4	2.07	33.1	456	> 2000	844	1	1350	0.86	2.7	15	7.8	21	1170	2.6	23.8	0.4	0.05	8.2
GXR-1 Cert					13.0	3.52	31.0	427	3300	750	1.22	1380	0.960	3.30	17.0	8.20	12.0	1110	3.00	23.6	0.960	0.050	7.50
DH-1a Meas																							
DH-1a Cert																							
DH-1a Meas																							
DH-1a Cert																							
GXR-4 Meas					0.9	6.85	3.3	102	500	130	2	19.4	1.01	0.2	100	13.6	61	6390	2.2	2.99	1.4	3.59	60.6
GXR-4 Cert					0.970	7.20	4.0	98.0	500	1640	1.90	19.0	1.01	0.860	102	14.6	64.0	6520	2.80	3.09	6.30	4.01	64.5
GXR-4 Meas					0.9	6.12	3.2	104	400	159	2	18.5	0.96	0.3	93	13.1	48	6380	2.0	2.96	1.2	4.44	57.6
GXR-4 Cert					0.970	7.20	4.0	98.0	500	1640	1.90	19.0	1.01	0.860	102	14.6	64.0	6520	2.80	3.09	6.30	4.01	64.5
PTM-1a Meas	0.21	23.9																					
PTM-1a Cert	0.220	24.96																					
SDC-1 Meas						8.15		< 1		684	3		0.99		76	17.0	55	29.0	3.2	4.60	1.1	2.69	38.1
SDC-1 Cert						8.34		0.220		630	3.00		1.00		93.00	18.0	64.00	30.000	4.00	4.82	8.30	2.72	42.00
SDC-1 Meas						8.14		< 1		716	3		1.11		78	17.8	60	29.7	3.2	4.77	1.1	1.69	40.3
SDC-1 Cert						8.34		0.220		630	3.00		1.00		93.00	18.0	64.00	30.000	4.00	4.82	8.30	2.72	42.00
GXR-6 Meas					< 0.1	11.3	0.2	279	< 100	1310	1	0.2	0.15	0.1	31	13.1	66	68.2	3.4	5.49	2.4	2.00	12.5
GXR-6 Cert					0.0180	17.7	1.30	330	95.0	1300	1.40	0.290	0.180	1.00	36.0	13.8	96.0	66.0	4.20	5.58	4.30	1.87	13.9
GXR-6 Meas					< 0.1	6.57	0.2	276	< 100	1480	1	0.2	0.18	0.1	34	14.3	72	76.7	3.6	5.79	2.2	1.69	14.1
GXR-6 Cert					0.0180	17.7	1.30	330	95.0	1300	1.40	0.290	0.180	1.00	36.0	13.8	96.0	66.0	4.20	5.58	4.30	1.87	13.9
CD-1 Meas	0.67																						
CD-1 Cert	0.660																						
OREAS 134b (Fusion) Meas	0.03	0.133	12.9	18.4																			
OREAS 134b (Fusion) Cert	0.02	0.134	13.20	18.12																			
MP-1b Meas	2.25	2.94	2.07	17.6																			
MP-1b Cert	2.30	3.07	2.09	16.7																			
DNC-1a Meas										107						55.3	173	96.7					3.7
DNC-1a Cert										118						57	270	100					3.6
DNC-1a Meas										117						55.2	186	98.2					3.7
DNC-1a Cert										118						57	270	100					3.6
CZN-4 Meas	0.04	0.403	0.18	58.0																			
CZN-4 Cert	0.0356	0.403	0.1861	55.07																			
SBC-1 Meas								24		729	3	0.7		0.4	92	20.8	70	28.5	6.4		2.8		49.6
SBC-1 Cert								25.7		788.0	3.20	0.70		0.40	108.0	22.7	109	31.0000	8.2		3.7		52.5
SBC-1 Meas								25		848	3	0.7		0.4	98	22.3	96	29.0	6.9		3.3		53.4
SBC-1 Cert								25.7		788.0	3.20	0.70		0.40	108.0	22.7	109	31.0000	8.2		3.7		52.5

Analyte Symbol	As	Cu	Pb	Zn	Te	Al	Ag	As	Au	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Cs	Fe	Hf	K	La
Unit Symbol	%	%	%	%	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm
Lower Limit	0.01	0.005	0.01	0.01	0.1	0.01	0.1	1	100	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.1	0.01	0.1	0.01	0.1
Method Code	FUS-Na2O2	FUS-Na2O2	FUS-Na2O2	FUS-Na2O2	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	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 45d (4-Acid) Meas						8.06		6		208	< 1	0.4	0.19		34	29.2	551	386	3.3	14.6	2.2	0.45	18.0
OREAS 45d (4-Acid) Cert						8.150		13.8		183.0	0.79	0.31	0.185		37.20	29.50	549	371	3.910	14.5	3.830	0.412	16.9
OREAS 45d (4-Acid) Meas						7.97		9		211	< 1	0.3	0.18		34	28.9	547	367	3.1	14.0	2.3	0.45	17.9
OREAS 45d (4-Acid) Cert						8.150		13.8		183.0	0.79	0.31	0.185		37.20	29.50	549	371	3.910	14.5	3.830	0.412	16.9
SdAR-M2 (U.S.G.S.) Meas										1000	6	0.9		5.0	86	12.2	53	238	1.4		0.7		44.9
SdAR-M2 (U.S.G.S.) Cert										990	6.6	1.05		5.1	98.8	12.4	49.6	236.0000	1.82		7.29		46.6
SdAR-M2 (U.S.G.S.) Meas										1160	7	1.0		5.3	85	12.9	44	255	1.4		3.8		43.4
SdAR-M2 (U.S.G.S.) Cert										990	6.6	1.05		5.1	98.8	12.4	49.6	236.0000	1.82		7.29		46.6
CCU-1e Meas	0.11		0.72	3.25																			
CCU-1e Cert	0.101		0.703	3.02																			
66897 Orig					0.6	0.67	5.6	25	> 2000	29	< 1	3.4	0.52	10.8	2	2.0	274	39.5	< 0.1	1.01	0.2	0.08	0.9
66897 Dup					0.5	0.65	2.2	23	> 2000	26	< 1	3.2	0.46	10.0	2	1.8	266	36.5	< 0.1	0.95	0.1	0.07	0.9
66341 Orig					< 0.1	2.68	0.1	98	< 100	275	< 1	0.2	8.96	1.3	11	25.7	512	40.2	0.3	5.03	0.8	1.26	5.4
66341 Dup					< 0.1	2.65	0.2	101	< 100	279	< 1	0.2	9.12	1.4	11	26.4	515	43.4	0.4	5.04	0.9	1.23	5.8
66918 Orig					< 0.1	0.30	< 0.1	9	< 100	22	< 1	< 0.1	0.55	< 0.1	1	2.2	374	11.7	< 0.1	0.92	< 0.1	0.09	0.7
66918 Dup					< 0.1	0.29	< 0.1	10	< 100	22	< 1	< 0.1	0.53	< 0.1	< 1	2.2	365	11.3	< 0.1	0.90	< 0.1	0.09	0.6
66365 Orig					< 0.1	0.12	10.6	11	< 100	5	< 1	< 0.1	0.02	0.2	< 1	1.6	344	5960	< 0.1	0.83	< 0.1	0.07	< 0.1
66365 Dup					< 0.1	0.12	10.4	13	< 100	6	< 1	< 0.1	0.02	0.2	< 1	1.7	329	5910	< 0.1	0.83	< 0.1	0.07	< 0.1
66367 Orig					< 0.1	0.34	1.0	25	< 100	47	< 1	< 0.1	0.60	< 0.1	< 1	4.0	487	1060	< 0.1	0.72	< 0.1	0.30	0.4
66367 Dup					< 0.1	0.33	0.9	23	< 100	44	< 1	< 0.1	0.56	< 0.1	< 1	3.9	430	982	< 0.1	0.66	< 0.1	0.29	0.3
66592 Orig	1.57	< 0.005	0.01	0.17																			
66592 Dup	1.55	< 0.005	0.01	0.17																			
66593 Orig					1.1	0.37	6.8	3030	> 2000	26	< 1	0.2	0.02	0.8	4	1.4	672	15.2	< 0.1	1.72	0.2	0.22	2.1
66593 Dup					1.0	0.37	5.2	3030	> 2000	24	< 1	0.2	0.02	0.7	4	1.5	697	17.1	< 0.1	1.76	0.2	0.24	2.0
66387 Orig					< 0.1	0.96	1.0	24	< 100	30	< 1	< 0.1	5.84	0.4	10	8.5	259	931	< 0.1	1.72	0.2	0.19	5.4
66387 Dup					< 0.1	0.93	1.0	23	200	30	< 1	< 0.1	5.65	0.4	10	9.0	261	910	< 0.1	1.69	0.2	0.18	5.2
66921 Orig					< 0.1	0.12	0.2	2	< 100	24	< 1	< 0.1	0.54	< 0.1	< 1	1.0	249	9.0	< 0.1	8.67	< 0.1	0.01	0.5
66921 Dup					< 0.1	0.12	0.2	2	< 100	24	< 1	< 0.1	0.55	< 0.1	< 1	1.0	245	5.1	< 0.1	8.70	< 0.1	0.01	0.4
66613 Orig	< 0.01	< 0.005	1.31	0.03																			
66613 Dup	< 0.01	< 0.005	1.26	0.03																			
66621 Orig					4.3	2.27	2.0	> 10000	> 2000	130	< 1	0.2	0.13	18.0	18	9.3	253	39.3	0.4	3.57	1.5	1.27	9.1
66621 Dup					4.3	2.42	2.7	> 10000	> 2000	126	< 1	0.2	0.13	17.8	19	9.4	225	39.0	0.4	3.46	0.4	1.28	9.1
66412 Orig					< 0.1	8.47	< 0.1	3	< 100	188	< 1	1.4	5.37	< 0.1	50	34.3	80	208	0.2	6.88	3.2	0.41	23.9
66412 Dup					< 0.1	9.03	< 0.1	1	< 100	192	< 1	1.4	5.47	< 0.1	54	34.0	79	213	0.2	6.99	2.4	0.43	25.8
66415 Orig					< 0.1	4.78	< 0.1	14	< 100	220	< 1	< 0.1	6.16	0.2	18	22.0	203	61.6	0.4	5.34	0.8	1.05	9.0

Analyte Symbol	As	Cu	Pb	Zn	Te	Al	Ag	As	Au	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Cs	Fe	Hf	K	La
Unit Symbol	%	%	%	%	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm
Lower Limit	0.01	0.005	0.01	0.01	0.1	0.01	0.1	1	100	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.1	0.01	0.1	0.01	0.1
Method Code	FUS-Na2O2	FUS-Na2O2	FUS-Na2O2	FUS-Na2O2	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
66415 Dup					< 0.1	4.97	< 0.1	18	< 100	217	< 1	< 0.1	6.15	0.1	18	23.5	186	63.0	0.4	5.36	0.3	1.06	8.9
66944 Orig	2.25	0.015	< 0.01	< 0.01																			
66944 Dup	2.22	0.014	< 0.01	< 0.01																			
66946 Orig					< 0.1	5.71	< 0.1	4620	200	485	1	0.2	3.59	0.1	72	23.3	73	119	0.7	3.82	0.9	1.77	39.1
66946 Dup					< 0.1	5.51	< 0.1	4510	200	461	< 1	0.2	3.39	0.1	68	21.9	72	114	0.6	3.71	1.1	1.79	37.3
Method Blank						< 0.01	< 0.1	< 1	< 100	< 1	< 1	< 0.1	< 0.01	< 0.1	< 1	< 0.2	8	< 0.1	< 0.1	< 0.01	< 0.1	< 0.01	< 0.1
Method Blank						< 0.01	< 0.1	< 1	< 100	< 1	< 1	< 0.1	< 0.01	< 0.1	< 1	< 0.2	7	< 0.1	< 0.1	< 0.01	< 0.1	< 0.01	< 0.1
Method Blank						0.01	< 0.1	< 1	< 100	< 1	< 1	< 0.1	< 0.01	< 0.1	< 1	< 0.2	8	< 0.1	< 0.1	< 0.01	< 0.1	< 0.01	< 0.1
Method Blank						< 0.01	< 0.1	< 1	< 100	< 1	< 1	< 0.1	0.01	< 0.1	< 1	< 0.2	8	0.2	< 0.1	< 0.01	< 0.1	< 0.01	< 0.1
Method Blank						< 0.01	< 0.1	< 1	< 100	< 1	< 1	< 0.1	0.01	< 0.1	< 1	< 0.2	9	< 0.1	< 0.1	< 0.01	< 0.1	< 0.01	< 0.1
Method Blank						< 0.01	< 0.1	< 1	< 100	< 1	< 1	< 0.1	< 0.01	< 0.1	< 1	< 0.2	8	< 0.1	< 0.1	< 0.01	< 0.1	< 0.01	< 0.1
Method Blank					< 0.1																		
Method Blank					< 0.1																		
Method Blank					< 0.1																		
Method Blank					< 0.1																		
Method Blank					< 0.1																		
Method Blank					< 0.1																		
Method Blank					< 0.1																		
Method Blank	< 0.01	< 0.005	< 0.01	< 0.01																			
Method Blank	< 0.01	< 0.005	< 0.01	< 0.01																			

Analyte Symbol	Li	Na	Nb	Ni	P	Rb	Pb	S	Mg	Mn	Mo	Sb	Sc	Sn	Sr	Ta	Th	Ti	Tl	U	V	W	Y
Unit Symbol	ppm	%	ppm	ppm	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.001	0.1	0.1	0.001	0.1	0.1	1	0.01	1	0.1	0.1	1	0.1	1	0.1	0.1	0.001	0.05	0.1	4	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-1 Meas	8.7	0.051	1.6	44.5	0.071	2.1	778	< 1	0.23	981	19.4	68.4	< 1	42.7	319	< 0.1	1.8	0.027	0.44	35.1	92	188	22.3
GXR-1 Cert	8.20	0.0520	0.800	41.0	0.0650	14.0	730	0.257	0.217	852	18.0	122	1.58	54.0	275	0.175	2.44	0.036	0.390	34.9	80.0	164	32.0
GXR-1 Meas	8.3	0.046	0.7	40.9	0.064	2.9	721	< 1	0.22	991	18.4	30.8	1	32.9	307	< 0.1	2.4	0.023	0.42	33.2	84	160	27.6
GXR-1 Cert	8.20	0.0520	0.800	41.0	0.0650	14.0	730	0.257	0.217	852	18.0	122	1.58	54.0	275	0.175	2.44	0.036	0.390	34.9	80.0	164	32.0
DH-1a Meas																	862			2380			
DH-1a Cert																	910			2629			
DH-1a Meas																	890			2500			
DH-1a Cert																	910			2629			
GXR-4 Meas	11.9	0.579	9.4	40.6	0.161	125	52.4	2	1.84	169	305	4.3	8	7.8	207	0.6	21.5	0.285	3.56	6.3	94	38.9	11.9
GXR-4 Cert	11.1	0.564	10.0	42.0	0.120	160	52.0	1.77	1.66	155	310	4.80	7.70	5.60	221	0.790	22.5	0.29	3.20	6.20	87.0	30.8	14.0
GXR-4 Meas	11.3	0.578	9.8	41.1	0.150	137	49.6	2	1.83	150	292	4.1	7	7.8	191	0.6	20.5	0.264	3.39	5.8	89	35.8	11.7
GXR-4 Cert	11.1	0.564	10.0	42.0	0.120	160	52.0	1.77	1.66	155	310	4.80	7.70	5.60	221	0.790	22.5	0.29	3.20	6.20	87.0	30.8	14.0
PTM-1a Meas																							
PTM-1a Cert																							
SDC-1 Meas	35.2	1.67	0.1	33.1	0.063	106	25.2		1.08	857		< 0.1	15	0.3	163	< 0.1	11.3	0.168	0.68	2.7	50	< 0.1	
SDC-1 Cert	34.0	1.52	21.00	38.0	0.0690	127.00	25.00		1.02	880.00		0.54	17.00	3.00	180.00	1.20	12.00	0.606	0.70	3.10	102.00	0.80	
SDC-1 Meas	36.1	1.64	0.1	36.5	0.066	83.2	24.2		1.08	907		< 0.1	15	0.4	166	< 0.1	11.3	0.197	0.66	2.7	55	< 0.1	
SDC-1 Cert	34.0	1.52	21.00	38.0	0.0690	127.00	25.00		1.02	880.00		0.54	17.00	3.00	180.00	1.20	12.00	0.606	0.70	3.10	102.00	0.80	
GXR-6 Meas	33.8	0.097	1.1	24.7	0.041	78.0	103	< 1	0.62	1060	0.6	0.5	26	0.6	33	< 0.1	5.3		2.35	1.5	159	0.4	10.6
GXR-6 Cert	32.0	0.104	7.50	27.0	0.0350	90.0	101	0.0160	0.609	1010	2.40	3.60	27.6	1.70	35.0	0.485	5.30		2.20	1.54	186	1.90	14.0
GXR-6 Meas	36.3	0.110	0.2	27.2	0.044	68.3	107	< 1	0.66	1140	0.7	0.7	29	1.0	36	< 0.1	5.5		2.38	1.5	144	< 0.1	12.2
GXR-6 Cert	32.0	0.104	7.50	27.0	0.0350	90.0	101	0.0160	0.609	1010	2.40	3.60	27.6	1.70	35.0	0.485	5.30		2.20	1.54	186	1.90	14.0
CD-1 Meas																							
CD-1 Cert																							
OREAS 134b (Fusion) Meas																							
OREAS 134b (Fusion) Cert																							
MP-1b Meas																							
MP-1b Cert																							
DNC-1a Meas	4.8		1.6	266		3.6	6.0					0.5	33		141			0.294			153		14.3
DNC-1a Cert	5.2		3	247		5	6.3					0.96	31		144			0.29			148		18.0
DNC-1a Meas	4.7		1.5	270		3.4	6.1					0.3	30		138			0.287			145		14.6
DNC-1a Cert	5.2		3	247		5	6.3					0.96	31		144			0.29			148		18.0
CZN-4 Meas																							
CZN-4 Cert																							
SBC-1 Meas	165		9.6	83.6		127	36.7				2.1	0.8	20	3.2	160	0.6	15.7	0.445	0.93	5.9	223	1.3	26.9
SBC-1 Cert	163		15.3	82.8		147	35.0				2.4	1.01	20.0	3.3	178.0	1.10	15.8	0.51	0.89	5.76	220.0	1.60	36.5
SBC-1 Meas	173		13.6	88.0		138	36.1				2.1	0.9	20	3.9	170	0.7	16.3	0.484	0.96	6.0	238	1.5	28.7
SBC-1 Cert	163		15.3	82.8		147	35.0				2.4	1.01	20.0	3.3	178.0	1.10	15.8	0.51	0.89	5.76	220.0	1.60	36.5
OREAS 45d (4-Acid) Meas	23.7	0.107	0.1	244	0.040	42.1	23.2	< 1	0.21	507	0.2	< 0.1	53	0.4	31	< 0.1	15.7	0.187	0.30	3.1	113	0.1	10.4
OREAS 45d	21.5	0.101	14.50	231.0	0.042	42.1	21.8	0.049	0.245		2.500	0.82	49.30	2.78	31.30	1.02	14.5	0.773	0.27	2.63	235.0	1.62	9.53

Analyte Symbol	Li	Na	Nb	Ni	P	Rb	Pb	S	Mg	Mn	Mo	Sb	Sc	Sn	Sr	Ta	Th	Ti	Tl	U	V	W	Y
Unit Symbol	ppm	%	ppm	ppm	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.001	0.1	0.1	0.001	0.1	0.1	1	0.01	1	0.1	0.1	1	0.1	1	0.1	0.1	0.001	0.05	0.1	4	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
(4-Acid) Cert										490.000													
OREAS 45d (4-Acid) Meas	22.6	0.107	0.6	232	0.041	40.4	22.2	< 1	0.21	503	0.5	< 0.1	50	0.8	30	< 0.1	15.0	0.271	0.27	2.8	127	0.2	9.8
OREAS 45d (4-Acid) Cert	21.5	0.101	14.50	231.0	0.042	42.1	21.8	0.049	0.245	490.000	2.500	0.82	49.30	2.78	31.30	1.02	14.5	0.773	0.27	2.63	235.0	1.62	9.53
SdAR-M2 (U.S.G.S.) Meas	17.6		3.6	47.6		98.4	760				10.9		4		130	0.1	14.5			2.5	26	0.2	20.9
SdAR-M2 (U.S.G.S.) Cert	17.9		26.2	48.8		149	808				13.3		4.1		144	1.8	14.2			2.53	25.2	2.8	32.7
SdAR-M2 (U.S.G.S.) Meas	18.9		2.3	51.7		102	799				8.4		4		138	0.1	13.2			2.4	24	0.1	22.4
SdAR-M2 (U.S.G.S.) Cert	17.9		26.2	48.8		149	808				13		4.1		144	1.8	14.2			2.53	25.2	2.8	32.7
CCU-1e Meas																							
CCU-1e Cert																							
66897 Orig	1.7	0.335	0.9	7.9	0.008	1.9	533	< 1	0.12	125	18.0	0.5	< 1	0.4	9	< 0.1	0.4	0.031	< 0.05	0.3	9	1.3	0.9
66897 Dup	1.6	0.323	0.8	8.9	0.007	1.7	501	< 1	0.12	119	16.8	0.5	< 1	0.4	8	< 0.1	0.4	0.030	< 0.05	0.1	8	1.1	0.9
66341 Orig	4.0	0.337	1.4	111	0.022	29.8	67.6	< 1	3.30	1670	10.7	0.2	16	0.6	373	< 0.1	0.9	0.146	0.20	0.3	132	0.1	6.9
66341 Dup	4.3	0.361	1.5	113	0.023	30.5	67.7	< 1	3.30	1730	11.5	0.2	16	0.6	377	< 0.1	1.0	0.147	0.21	0.4	136	0.2	7.1
66918 Orig	0.7	0.047	0.7	15.4	0.003	2.6	0.5	< 1	0.17	245	27.3	1.0	1	0.4	15	< 0.1	< 0.1	0.009	< 0.05	< 0.1	14	0.6	0.6
66918 Dup	0.7	0.044	0.7	15.0	0.003	2.6	0.5	< 1	0.16	238	26.0	0.9	1	0.4	14	< 0.1	< 0.1	0.009	< 0.05	< 0.1	14	0.6	0.6
66365 Orig	0.7	0.023	0.5	12.8	0.001	1.9	0.9	< 1	0.02	29	19.5	1.7	< 1	0.7	< 1	< 0.1	< 0.1	0.008	< 0.05	< 0.1	< 4	0.6	0.1
66365 Dup	0.7	0.024	0.4	12.4	0.001	1.9	1.0	< 1	0.02	32	19.0	1.1	< 1	0.6	< 1	< 0.1	< 0.1	0.008	< 0.05	< 0.1	< 4	0.6	0.1
66367 Orig	0.6	0.024	0.7	39.4	< 0.001	7.7	0.4	< 1	0.53	113	23.5	4.2	1	0.4	18	< 0.1	< 0.1	0.029	< 0.05	< 0.1	10	0.9	0.7
66367 Dup	0.5	0.021	0.6	36.1	0.001	7.0	0.4	< 1	0.49	102	20.7	3.1	1	0.4	18	< 0.1	< 0.1	0.027	0.05	< 0.1	7	0.7	0.7
66592 Orig																							
66592 Dup																							
66593 Orig	0.6	0.019	1.2	11.3	0.011	4.8	346	< 1	0.03	65	44.2	13.4	1	0.8	3	< 0.1	0.3	0.048	< 0.05	0.4	15	0.8	2.8
66593 Dup	0.6	0.018	1.4	12.0	0.010	4.9	353	< 1	0.03	65	45.2	12.4	1	0.8	3	< 0.1	0.3	0.048	0.05	0.4	16	0.7	2.9
66387 Orig	5.9	0.023	0.8	31.8	0.013	5.2	3.0	< 1	0.55	375	14.0	0.2	4	0.4	30	< 0.1	0.2	0.066	< 0.05	0.1	24	2.8	4.4
66387 Dup	5.8	0.023	0.8	31.0	0.012	5.2	3.2	< 1	0.53	368	14.1	0.2	3	0.4	29	< 0.1	0.2	0.068	< 0.05	< 0.1	23	2.7	4.3
66921 Orig	1.2	0.006	17.8	4.5	0.033	0.2	12.4	3	0.19	159	17.2	0.1	< 1	0.3	13	< 0.1	0.8	0.005	< 0.05	0.3	6	0.7	0.4
66921 Dup	1.1	0.006	18.3	4.7	0.033	0.2	10.3	3	0.19	157	16.4	< 0.1	< 1	0.3	14	< 0.1	0.8	0.005	< 0.05	0.3	6	0.7	0.4
66613 Orig																							
66613 Dup																							
66621 Orig	6.1	0.023	7.1	16.0	0.040	35.7	758	2	0.48	182	11.3	248	8	1.7	6	< 0.1	1.1	0.369	0.21	0.5	121	4.3	6.2
66621 Dup	6.1	0.023	0.2	15.9	0.030	35.0	739	2	0.48	199	10.4	167	8	0.9	7	< 0.1	1.1	0.252	0.21	0.5	116	2.1	7.6
66412 Orig	11.5	2.12	10.7	21.0	0.147	9.3	5.3	< 1	2.79	941	3.4	0.1	21	2.3	476	0.5	2.7	0.744	0.07	0.8	241	1.1	23.3
66412 Dup	11.8	2.19	3.3	21.7	0.140	12.2	5.4	< 1	2.87	971	1.1	0.1	22	2.2	478	< 0.1	3.0	0.517	0.07	1.0	141	0.3	24.8
66415 Orig	16.7	1.60	0.1	27.1	0.057	27.4	2.5	< 1	1.04	1040	4.0	0.2	23	1.1	100	< 0.1	0.8	0.342	0.18	0.7	123	0.1	9.7
66415 Dup	16.5	1.61	< 0.1	27.6	0.059	27.7	2.6	< 1	1.06	1040	0.7	0.2	24	0.7	99	< 0.1	0.9	0.122	0.18	0.5	73	0.1	9.9
66944 Orig																							
66944 Dup																							
66946 Orig	5.1	2.25	0.2	11.5	0.054	56.3	4.0	< 1	1.14	867	5.7	2.1	20	0.4	250	< 0.1	7.5	0.305	0.40	1.5	160	24.6	14.4

Analyte Symbol	Li	Na	Nb	Ni	P	Rb	Pb	S	Mg	Mn	Mo	Sb	Sc	Sn	Sr	Ta	Th	Ti	Tl	U	V	W	Y
Unit Symbol	ppm	%	ppm	ppm	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.001	0.1	0.1	0.001	0.1	0.1	1	0.01	1	0.1	0.1	1	0.1	1	0.1	0.1	0.001	0.05	0.1	4	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
66946 Dup	4.9	2.17	0.3	11.5	0.051	57.4	3.8	< 1	1.09	837	5.6	2.3	20	0.3	233	< 0.1	7.3	0.293	0.39	1.5	154	25.2	13.8
Method Blank	< 0.1	0.003	< 0.1	0.2	< 0.001	< 0.1	< 0.1	< 1	< 0.01	8	< 0.1	< 0.1	< 1	0.2	< 1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.1	< 4	< 0.1	< 0.1
Method Blank	< 0.1	0.002	< 0.1	0.2	< 0.001	< 0.1	0.1	< 1	< 0.01	6	< 0.1	< 0.1	< 1	0.1	< 1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.1	< 4	< 0.1	< 0.1
Method Blank	< 0.1	0.001	< 0.1	< 0.1	< 0.001	< 0.1	< 0.1	< 1	< 0.01	6	< 0.1	< 0.1	< 1	0.2	< 1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.1	< 4	< 0.1	< 0.1
Method Blank	< 0.1	< 0.001	< 0.1	0.2	< 0.001	< 0.1	0.5	< 1	< 0.01	3	< 0.1	< 0.1	< 1	0.4	< 1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.1	< 4	< 0.1	< 0.1
Method Blank	< 0.1	0.002	< 0.1	< 0.1	0.001	< 0.1	< 0.1	< 1	< 0.01	2	< 0.1	< 0.1	< 1	0.1	< 1	< 0.1	0.1	< 0.001	< 0.05	< 0.1	< 4	< 0.1	< 0.1
Method Blank	< 0.1	0.002	< 0.1	0.2	< 0.001	< 0.1	< 0.1	< 1	< 0.01	8	< 0.1	< 0.1	< 1	0.1	< 1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.1	< 4	< 0.1	< 0.1
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							

Analyte Symbol	Zn	Zr
Unit Symbol	ppm	ppm
Lower Limit	1	0.1
Method Code	TD-MS	TD-MS
GXR-1 Meas	826	26.2
GXR-1 Cert	760	38.0
GXR-1 Meas	767	21.4
GXR-1 Cert	760	38.0
DH-1a Meas		
DH-1a Cert		
DH-1a Meas		
DH-1a Cert		
GXR-4 Meas	73	46.4
GXR-4 Cert	73.0	186
GXR-4 Meas	69	44.7
GXR-4 Cert	73.0	186
PTM-1a Meas		
PTM-1a Cert		
SDC-1 Meas	106	43.5
SDC-1 Cert	103.00	290.00
SDC-1 Meas	109	44.2
SDC-1 Cert	103.00	290.00
GXR-6 Meas	130	94.7
GXR-6 Cert	118	110
GXR-6 Meas	140	83.0
GXR-6 Cert	118	110
CD-1 Meas		
CD-1 Cert		
OREAS 134b (Fusion) Meas		
OREAS 134b (Fusion) Cert		
MP-1b Meas		
MP-1b Cert		
DNC-1a Meas	67	41.0
DNC-1a Cert	70	38.0
DNC-1a Meas	64	41.1
DNC-1a Cert	70	38.0
CZN-4 Meas		
CZN-4 Cert		
SBC-1 Meas	194	114
SBC-1 Cert	186	134.0
SBC-1 Meas	211	130
SBC-1 Cert	186	134.0
OREAS 45d (4-Acid) Meas	44	87.9
OREAS 45d	45.7	141

Analyte Symbol	Zn	Zr
Unit Symbol	ppm	ppm
Lower Limit	1	0.1
Method Code	TD-MS	TD-MS
(4-Acid) Cert		
OREAS 45d (4-Acid) Meas	42	89.8
OREAS 45d (4-Acid) Cert	45.7	141
SdAR-M2 (U.S.G.S.) Meas	772	49.8
SdAR-M2 (U.S.G.S.) Cert	760	259
SdAR-M2 (U.S.G.S.) Meas	834	128
SdAR-M2 (U.S.G.S.) Cert	760	259
CCU-1e Meas		
CCU-1e Cert		
66897 Orig	980	7.7
66897 Dup	926	7.4
66341 Orig	228	35.6
66341 Dup	238	36.7
66918 Orig	11	2.5
66918 Dup	11	2.2
66365 Orig	75	1.5
66365 Dup	76	1.6
66367 Orig	28	2.9
66367 Dup	25	2.7
66592 Orig		
66592 Dup		
66593 Orig	151	12.0
66593 Dup	152	12.4
66387 Orig	36	6.7
66387 Dup	35	6.6
66921 Orig	8	1.5
66921 Dup	5	1.5
66613 Orig		
66613 Dup		
66621 Orig	2820	76.6
66621 Dup	2790	37.0
66412 Orig	69	139
66412 Dup	76	97.8
66415 Orig	63	33.8
66415 Dup	61	13.6
66944 Orig		
66944 Dup		
66946 Orig	44	63.3

Analyte Symbol	Zn	Zr
Unit Symbol	ppm	ppm
Lower Limit	1	0.1
Method Code	TD-MS	TD-MS
66946 Dup	43	72.6
Method Blank	< 1	0.4
Method Blank	< 1	0.2
Method Blank	< 1	0.2
Method Blank	< 1	0.4
Method Blank	< 1	0.1
Method Blank	< 1	0.2
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		

Quality Analysis ... *Innovative Technologies*

Date Submitted: 29-Sep-17
Invoice No.: A17-10746
Invoice Date: 03-Nov-17
Your Reference: SG17-1289 39138-C TRUE NORTH NICKE

Techni-Lab Abitibi Inc.(Actlabs)
184 Rue Principale
Ste-Germaine-Boule Quebec J0Z 1M0
Canada

ATTN: Andre Caouette

CERTIFICATE OF ANALYSIS

133 Pulp samples were submitted for analysis.

The following analytical package(s) were requested: Code UT-4M Total Digestion ICP/MS

REPORT **A17-10746**

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:

Any values for Au are for informational purposes and should be checked by fire assay code 1A2

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
41 Bittern Street, Ancaster, Ontario, Canada, L9G 4V5
TELEPHONE +905 648-9611 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Ancaster@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	As	Pb	Zn	Te	Al	Ag	As	Au	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Cs	Fe	Hf	K	La	Li
Unit Symbol	%	%	%	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm
Lower Limit	0.01	0.01	0.01	0.1	0.01	0.1	1	100	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.1	0.01	0.1	0.01	0.1	0.1
Method Code	FUS-Na2O2	FUS-Na2O2	FUS-Na2O2	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
67051				< 0.1	2.62	1.1	220	< 100	86	< 1	0.2	4.41	2.5	4	46.4	782	1360	0.3	5.05	0.3	0.93	1.2	9.1
67052				< 0.1	2.55	0.3	231	< 100	203	< 1	< 0.1	5.32	0.4	3	44.5	788	517	0.4	4.73	0.4	1.18	1.2	5.9
67053				< 0.1	2.44	< 0.1	249	< 100	166	< 1	< 0.1	5.53	< 0.1	3	39.7	949	208	0.4	4.85	0.3	0.91	0.9	4.7
67028				< 0.1	7.04	< 0.1	28	100	166	< 1	< 0.1	4.59	0.3	9	36.1	117	245	0.4	6.83	1.5	0.54	3.5	15.9
67029				< 0.1	5.98	< 0.1	32	< 100	371	< 1	< 0.1	7.31	0.1	10	44.0	956	35.2	0.7	6.92	1.0	1.17	3.8	24.8
67030				< 0.1	3.42	< 0.1	3	< 100	120	< 1	< 0.1	6.15	< 0.1	10	13.7	185	15.6	0.6	3.60	0.5	0.66	4.0	13.3
67031				0.5	4.46	0.7	< 1	< 100	69	2	0.3	5.28	0.7	17	10.2	142	2920	< 0.1	17.1	2.1	0.48	7.8	1.0
67032				0.2	4.21	1.1	59	100	40	1	0.2	1.25	< 0.1	9	14.2	216	277	0.4	7.44	0.7	1.50	4.2	4.1
67033				0.1	3.28	0.3	110	< 100	36	< 1	0.9	0.38	< 0.1	98	115	184	1450	0.1	13.2	0.5	0.04	39.0	4.0
67034				< 0.1	9.18	< 0.1	4	< 100	386	< 1	0.1	6.07	0.2	23	14.0	116	148	0.5	4.88	1.8	1.14	9.4	17.2
67054				< 0.1	3.71	0.5	527	< 100	216	< 1	< 0.1	6.72	1.6	4	63.1	837	531	0.6	6.91	0.5	1.60	1.2	4.8
67055				< 0.1	3.57	4.5	576	> 2000	216	< 1	0.1	6.65	5.0	4	63.8	838	3840	0.5	7.11	0.5	1.65	1.1	5.7
67056				< 0.1	0.92	< 0.1	126	< 100	78	< 1	< 0.1	2.18	< 0.1	1	14.9	474	82.8	0.1	1.96	0.1	0.52	0.4	1.5
67057				< 0.1	2.56	0.2	211	< 100	276	< 1	< 0.1	4.05	< 0.1	3	30.5	814	216	0.4	3.14	0.4	0.93	1.3	3.9
67058				< 0.1	3.88	< 0.1	117	< 100	110	< 1	< 0.1	6.00	< 0.1	8	65.3	1310	102	0.3	7.06	0.9	1.11	2.9	20.3
67059				< 0.1	3.63	< 0.1	39	< 100	68	< 1	< 0.1	4.71	< 0.1	12	52.8	905	140	0.3	6.58	1.2	0.92	3.8	16.1
67060				< 0.1	3.53	< 0.1	38	< 100	69	< 1	< 0.1	5.69	< 0.1	6	59.4	1210	95.2	0.3	6.33	0.8	1.10	2.1	16.1
67035				< 0.1	4.64	< 0.1	66	< 100	112	< 1	< 0.1	5.72	< 0.1	13	46.0	566	382	1.6	12.2	1.2	1.19	4.4	19.8
67036				0.2	1.56	< 0.1	199	< 100	89	< 1	0.3	6.85	< 0.1	3	77.2	209	38.3	0.2	5.61	0.1	0.58	0.9	6.2
67037				< 0.1	1.11	< 0.1	77	< 100	9	< 1	< 0.1	6.51	1.5	2	12.9	256	18.8	0.4	2.65	< 0.1	0.03	0.7	4.5
67038				0.5	8.08	< 0.1	3	< 100	42	< 1	0.3	3.11	< 0.1	15	26.4	145	12.0	0.6	7.22	2.4	1.20	5.4	15.1
67039				0.1	5.66	5.4	2	1300	121	< 1	0.4	16.6	0.6	16	20.7	35	9580	0.2	9.89	0.7	0.58	6.5	17.1
67040 BLC				< 0.1	6.78	< 0.1	< 1	< 100	388	1	< 0.1	1.82	< 0.1	19	5.9	186	5.8	0.7	1.56	1.3	1.23	8.0	8.5
67202				0.4	2.53	0.6	85	< 100	53	< 1	1.7	0.50	< 0.1	12	45.2	195	523	0.2	16.1	0.9	0.17	6.6	6.7
67203				< 0.1	8.42	< 0.1	< 1	100	766	1	< 0.1	2.98	< 0.1	43	5.7	107	11.1	0.5	3.73	4.0	1.63	17.3	9.5
66947				< 0.1	0.09	< 0.1	143	< 100	5	< 1	< 0.1	0.03	< 0.1	< 1	0.7	267	4.5	< 0.1	0.34	< 0.1	0.01	0.2	0.8
66948				< 0.1	7.19	< 0.1	< 1	< 100	536	1	0.4	1.28	0.2	66	16.4	134	51.8	1.4	6.80	4.7	1.78	28.6	26.3
66949				< 0.1	0.34	< 0.1	43	< 100	16	< 1	< 0.1	0.68	< 0.1	< 1	6.3	360	70.2	0.1	0.98	< 0.1	0.15	0.1	0.6
66950				0.5	5.89	1.9	2	< 100	41	< 1	0.6	0.74	1.4	15	299	118	2610	0.4	20.8	2.0	0.45	5.2	11.2
66951 MR				2.5	5.67	3.8	17	1800	341	1	< 0.1	4.19	0.4	23	10.5	26	76.7	5.8	3.12	1.9	1.94	9.9	45.4
66952				0.4	5.21	0.5	5	< 100	124	< 1	0.1	3.53	1.4	14	19.2	270	288	0.4	10.1	1.7	0.56	6.7	13.6
66953				< 0.1	6.85	< 0.1	2	< 100	96	< 1	< 0.1	4.38	0.7	15	24.4	237	162	1.2	13.6	2.1	0.59	6.5	14.6
66954				< 0.1	7.52	< 0.1	< 1	< 100	197	1	< 0.1	1.99	1.2	21	29.9	194	258	2.6	15.6	2.4	1.45	8.6	36.3
66955				< 0.1	5.21	< 0.1	< 1	< 100	291	1	< 0.1	1.00	< 0.1	64	1.6	109	15.4	0.2	0.87	1.4	0.68	28.3	2.4
66956				0.2	6.48	< 0.1	< 1	< 100	25	< 1	0.3	7.72	< 0.1	53	12.0	190	73.6	< 0.1	3.92	2.0	0.06	23.7	2.1
66957				0.2	7.02	< 0.1	18	< 100	188	1	0.2	4.93	1.0	27	20.5	194	207	0.4	10.7	3.4	1.19	11.3	12.6
66958	1.27			0.3	0.44	0.2	> 10000	500	38	< 1	2.1	0.03	0.4	3	1.1	248	21.8	< 0.1	1.52	< 0.1	0.12	1.3	7.7
66959				0.4	0.48	0.6	8480	400	33	< 1	0.7	0.03	< 0.1	2	1.4	243	127	< 0.1	1.18	< 0.1	0.17	0.7	8.4
66960				0.1	0.26	< 0.1	7000	200	13	< 1	0.3	< 0.01	0.2	< 1	0.8	219	27.6	< 0.1	1.02	< 0.1	0.09	0.5	11.4
66961				0.1	0.58	0.4	2670	100	30	< 1	1.2	0.03	0.3	< 1	0.9	197	73.2	0.1	0.55	< 0.1	0.23	0.2	14.0
66962				0.3	0.42	0.4	7510	500	31	< 1	0.2	< 0.01	0.6	< 1	0.8	259	65.3	0.1	1.08	< 0.1	0.16	0.3	13.9

Analyte Symbol	As	Pb	Zn	Te	Al	Ag	As	Au	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Cs	Fe	Hf	K	La	Li
Unit Symbol	%	%	%	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm
Lower Limit	0.01	0.01	0.01	0.1	0.01	0.1	1	100	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.1	0.01	0.1	0.01	0.1	0.1
Method Code	FUS-Na2O2	FUS-Na2O2	FUS-Na2O2	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
66963				< 0.1	0.12	2.0	381	< 100	8	< 1	0.5	< 0.01	0.2	< 1	0.6	273	283	< 0.1	0.36	< 0.1	0.04	0.3	5.9
66964				0.1	0.37	< 0.1	2740	200	24	< 1	0.1	< 0.01	0.3	< 1	0.7	250	4.4	< 0.1	0.59	< 0.1	0.13	0.3	15.9
66965				< 0.1	0.29	< 0.1	2730	100	15	< 1	0.2	< 0.01	0.2	< 1	0.7	260	7.7	< 0.1	0.55	< 0.1	0.10	0.1	13.7
66966				< 0.1	0.61	< 0.1	131	< 100	35	< 1	< 0.1	< 0.01	< 0.1	4	1.5	300	8.0	< 0.1	0.64	0.2	0.23	2.0	4.1
66967				< 0.1	0.19	1.3	1160	< 100	9	< 1	0.2	< 0.01	0.5	< 1	0.7	265	183	< 0.1	0.38	< 0.1	0.05	0.3	11.6
66968				< 0.1	0.71	5.6	649	100	42	< 1	0.3	< 0.01	1.1	3	0.9	210	907	0.1	0.48	0.1	0.28	1.4	5.8
66969				0.2	0.47	5.3	5940	300	28	< 1	1.1	< 0.01	0.8	2	1.2	247	1020	< 0.1	0.85	< 0.1	0.17	1.0	16.4
66970				0.4	0.54	0.5	4850	200	38	< 1	1.1	0.02	0.1	3	1.0	249	50.8	0.1	0.84	0.1	0.21	1.8	13.0
66971 BLC				< 0.1	6.48	< 0.1	7	< 100	376	< 1	< 0.1	1.74	< 0.1	20	5.6	168	7.4	0.7	1.46	1.2	1.26	8.5	8.4
66972				< 0.1	0.12	< 0.1	2640	200	17	< 1	0.1	< 0.01	< 0.1	1	0.6	193	4.1	< 0.1	0.64	< 0.1	0.04	0.7	7.3
66973				< 0.1	0.25	0.2	1430	< 100	15	< 1	0.6	0.06	0.1	< 1	0.9	314	46.1	< 0.1	0.45	< 0.1	0.09	0.2	13.1
66974				0.2	0.32	1.1	9150	400	24	< 1	0.6	< 0.01	0.3	< 1	0.7	290	50.4	< 0.1	1.27	< 0.1	0.12	0.4	12.9
66975				< 0.1	0.19	4.6	98	< 100	10	< 1	0.6	< 0.01	2.5	< 1	0.8	350	678	< 0.1	0.50	< 0.1	0.07	0.3	5.2
66976				0.2	0.63	0.1	7940	400	49	< 1	0.6	< 0.01	< 0.1	2	1.9	292	21.7	0.1	1.38	0.1	0.25	1.1	20.0
66977				< 0.1	0.35	0.8	1430	100	26	< 1	0.7	< 0.01	< 0.1	1	0.7	313	92.0	< 0.1	0.49	< 0.1	0.13	0.7	7.4
66978				< 0.1	0.54	3.4	3700	800	41	< 1	4.7	0.01	0.3	6	0.8	250	363	< 0.1	1.09	0.3	0.21	3.1	15.3
66979				0.2	0.44	0.5	2660	500	51	< 1	0.5	< 0.01	0.3	2	0.9	315	55.7	< 0.1	0.79	0.2	0.19	1.2	14.3
66980				< 0.1	0.20	6.5	101	< 100	11	< 1	7.8	0.01	2.5	< 1	0.7	266	545	< 0.1	0.49	< 0.1	0.07	0.2	14.0
66981		0.71		< 0.1	0.24	29.8	201	100	15	< 1	40.0	< 0.01	9.1	< 1	0.8	317	2330	< 0.1	0.41	< 0.1	0.08	0.2	16.7
66982				< 0.1	0.31	5.8	31	< 100	16	< 1	7.4	< 0.01	1.1	< 1	1.4	281	355	< 0.1	0.53	< 0.1	0.12	0.2	12.8
66983				0.2	0.70	3.5	9430	800	64	< 1	0.8	< 0.01	0.5	3	0.8	334	404	< 0.1	1.23	0.3	0.28	1.7	23.0
66984				< 0.1	0.30	2.4	3890	200	16	< 1	1.1	< 0.01	1.7	1	0.8	278	345	< 0.1	0.78	< 0.1	0.10	0.5	10.8
66985				< 0.1	0.41	5.2	2180	200	30	< 1	4.1	< 0.01	0.6	< 1	0.7	330	631	< 0.1	0.52	< 0.1	0.17	0.3	8.6
66639				1.0	6.91	0.1	9	< 100	21	< 1	< 0.1	2.87	0.3	17	44.9	84	266	0.8	16.5	1.4	1.96	6.8	6.7
66640 MR				0.2	6.35	1.1	4	1000	82	< 1	6.3	3.72	0.1	17	17.3	43	4560	7.6	23.4	1.1	2.55	9.1	108
66641				< 0.1	8.16	0.7	82	1100	46	1	< 0.1	3.30	0.1	34	33.4	53	42.5	0.5	11.4	4.3	0.81	13.5	10.3
66642				0.7	0.05	0.8	5	< 100	3	< 1	1.5	< 0.01	< 0.1	< 1	0.7	263	4.3	< 0.1	0.44	< 0.1	0.01	< 0.1	0.1
66643				0.3	0.08	3.0	4	> 2000	7	< 1	< 0.1	0.03	1.0	< 1	0.7	261	4.7	< 0.1	0.35	< 0.1	0.03	0.3	0.3
66644		1.48		5.4	0.06	9.0	3	< 100	4	< 1	2.0	< 0.01	17.9	< 1	0.6	210	5.0	< 0.1	0.33	< 0.1	0.02	0.2	0.2
66645				1.1	0.27	1.0	7	< 100	31	< 1	0.3	< 0.01	6.6	1	0.7	323	4.9	< 0.1	0.37	0.2	0.13	0.7	0.5
66646				1.0	0.55	2.0	11	300	39	< 1	0.2	0.65	21.8	3	2.5	320	8.6	< 0.1	1.03	0.4	0.18	1.2	2.2
66647		1.38		5.7	0.06	6.5	3	> 2000	1	< 1	3.1	< 0.01	3.1	< 1	0.7	371	4.0	< 0.1	0.42	< 0.1	< 0.01	0.2	0.1
66648				< 0.1	7.39	< 0.1	20	< 100	455	4	0.4	0.10	< 0.1	136	1.6	94	12.5	0.9	1.93	11.8	1.94	68.6	18.6
66649				< 0.1	5.18	< 0.1	17	< 100	95	1	0.3	0.17	0.5	68	2.9	129	12.2	1.4	2.20	7.3	3.50	30.7	11.7
66650				0.4	5.37	1.1	56	100	25	2	0.6	0.26	4.3	17	80.2	189	896	1.8	24.6	2.8	0.97	7.0	30.7
66651				0.5	4.94	1.5	6	< 100	14	2	0.7	0.64	4.3	23	47.7	426	408	1.5	24.8	2.5	1.67	11.1	41.9
66652				0.3	3.51	0.6	4	400	23	1	0.2	2.87	3.4	20	18.5	243	558	1.3	11.7	1.9	1.21	9.6	18.1
66653				< 0.1	1.01	< 0.1	10	< 100	43	< 1	< 0.1	2.39	0.2	8	3.0	359	22.4	4.3	4.63	0.6	0.20	4.0	4.5
66654				< 0.1	0.45	< 0.1	3	< 100	9	< 1	< 0.1	0.21	< 0.1	3	1.4	318	31.9	< 0.1	2.05	0.3	0.01	1.7	1.6
66655				0.7	4.35	0.9	25	< 100	16	< 1	0.6	4.60	7.5	19	52.4	218	349	0.5	17.6	1.8	0.40	8.8	9.7
66656			1.15	4.5	4.77	5.5	35	400	24	< 1	1.3	5.19	41.0	22	130	172	998	0.3	18.0	2.5	0.35	11.5	2.9
66657			1.19	3.2	4.27	5.6	28	< 100	15	< 1	1.4	5.32	36.8	14	147	133	2710	0.2	24.3	1.8	0.30	7.5	2.4

Analyte Symbol	As	Pb	Zn	Te	Al	Ag	As	Au	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Cs	Fe	Hf	K	La	Li
Unit Symbol	%	%	%	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm
Lower Limit	0.01	0.01	0.01	0.1	0.01	0.1	1	100	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.1	0.01	0.1	0.01	0.1	0.1
Method Code	FUS-Na2O2	FUS-Na2O2	FUS-Na2O2	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
66658				0.5	6.48	1.4	31	< 100	44	< 1	0.5	5.35	4.0	15	46.5	97	869	1.5	20.4	1.8	1.85	6.8	13.9
66659				< 0.1	0.22	0.1	4	< 100	11	< 1	< 0.1	0.07	< 0.1	< 1	3.3	323	102	0.1	0.68	0.1	0.03	0.4	0.4
66660 BLC				< 0.1	6.80	< 0.1	< 1	< 100	436	1	< 0.1	1.89	< 0.1	17	6.5	188	10.5	0.6	1.76	1.6	1.33	8.7	8.2
66661				< 0.1	10.2	< 0.1	< 1	< 100	959	2	< 0.1	3.32	0.1	72	12.9	68	129	0.8	4.36	4.8	1.68	33.9	16.6
66662				< 0.1	7.06	0.1	19	< 100	182	5	0.9	5.07	0.2	16	51.7	108	186	2.1	7.43	1.4	2.10	6.7	21.3
66663				< 0.1	7.90	< 0.1	71	< 100	308	< 1	0.5	6.93	0.1	15	42.4	76	86.1	5.3	8.05	0.7	1.72	6.2	27.0
66664				0.1	3.45	< 0.1	1940	500	41	< 1	0.4	7.37	< 0.1	6	17.8	151	9.9	0.5	4.81	0.6	0.30	2.4	9.2
66665	> 10.0			1.6	0.46	0.2	> 10000	200	22	< 1	4.3	0.27	< 0.1	< 1	56.4	250	211	0.1	10.5	< 0.1	0.14	0.2	2.5
66666				< 0.1	8.36	< 0.1	124	< 100	118	< 1	1.6	11.6	< 0.1	15	41.6	135	123	0.4	9.28	1.0	0.64	6.6	8.1
66667				0.6	0.52	0.4	9920	800	80	< 1	9.4	0.11	< 0.1	< 1	7.4	330	48.4	0.1	1.30	0.2	0.16	0.3	2.5
66668				0.6	3.91	2.5	73	< 100	17	< 1	0.2	2.22	2.8	20	37.4	75	1080	0.4	28.5	2.0	0.64	8.4	5.6
66669	> 10.0			4.2	1.68	0.7	> 10000	> 2000	15	< 1	9.9	0.47	0.9	3	98.9	174	490	0.6	20.5	0.2	0.51	1.2	10.5
66670				< 0.1	6.90	0.1	1700	< 100	130	3	0.4	1.29	0.3	9	16.4	81	13.3	0.2	0.60	2.3	0.45	2.9	1.9
66671	1.12			0.3	1.02	< 0.1	> 10000	200	191	< 1	2.1	0.18	< 0.1	1	14.0	379	44.3	0.2	1.89	0.3	0.34	0.5	3.3
66672	2.38			1.1	1.64	0.1	> 10000	400	194	< 1	6.4	0.57	< 0.1	2	66.9	315	86.1	0.3	2.94	0.6	0.38	0.8	4.2
66673				0.8	6.58	1.5	114	< 100	19	< 1	0.6	2.80	5.7	18	48.9	57	402	0.7	21.2	2.8	1.13	7.3	8.6
66674				< 0.1	5.04	0.6	38	< 100	60	2	0.7	0.54	< 0.1	10	0.3	157	20.1	0.4	0.44	3.3	1.78	3.7	4.9
66675				< 0.1	7.16	0.4	21	< 100	163	2	0.5	0.47	< 0.1	43	0.3	105	4.2	0.7	0.63	2.8	1.91	19.8	8.9
66676				< 0.1	10.1	0.1	37	< 100	105	< 1	0.1	8.97	0.3	19	30.3	77	87.3	0.4	7.39	1.1	0.49	7.9	10.1
67319				< 0.1	6.41	0.5	6	> 2000	338	< 1	< 0.1	3.96	0.4	36	34.4	46	57.1	< 0.1	7.58	0.1	0.61	16.7	16.0
67320				< 0.1	6.89	< 0.1	13	< 100	123	< 1	< 0.1	2.15	1.0	26	65.0	82	75.3	< 0.1	11.6	1.8	0.84	10.5	24.2
67321				< 0.1	0.17	< 0.1	11	< 100	24	< 1	< 0.1	2.58	< 0.1	3	1.5	192	7.1	< 0.1	7.51	0.2	0.05	1.4	1.2
67322				< 0.1	9.90	< 0.1	11	< 100	98	1	< 0.1	4.29	1.0	28	23.5	39	75.4	0.1	6.49	2.9	0.13	11.7	19.1
67323				< 0.1	9.04	< 0.1	6	< 100	305	< 1	0.1	3.34	0.2	30	29.7	124	157	< 0.1	7.89	2.5	0.71	13.7	15.5
67324				< 0.1	7.54	< 0.1	10	< 100	161	< 1	< 0.1	2.27	0.4	39	34.3	313	172	< 0.1	10.4	1.7	0.76	18.9	19.3
67325				< 0.1	2.58	5.7	453	< 100	95	< 1	0.5	2.75	6.0	6	75.4	2510	6040	< 0.1	7.23	1.2	0.34	2.7	2.8
67326				< 0.1	3.36	< 0.1	25	< 100	460	< 1	< 0.1	10.00	0.2	20	21.2	295	37.7	0.5	4.44	1.3	0.41	9.0	5.7
67327				< 0.1	3.83	6.0	9	100	55	< 1	0.3	3.96	5.1	8	62.8	308	9140	0.4	7.82	1.3	0.76	3.3	1.4
67328				< 0.1	6.67	< 0.1	6	< 100	252	< 1	< 0.1	5.33	< 0.1	39	48.1	102	50.8	< 0.1	8.41	1.1	0.30	16.7	7.0
66422				< 0.1	8.80	< 0.1	8	< 100	336	< 1	< 0.1	2.02	< 0.1	8	4.2	82	39.1	0.2	1.42	2.1	0.51	3.4	4.5
66423				< 0.1	1.77	0.1	4	< 100	< 1	< 1	< 0.1	0.02	< 0.1	< 1	114	4560	42.3	0.3	6.63	0.1	< 0.01	0.2	0.3
66424				< 0.1	1.53	< 0.1	3	< 100	1	< 1	< 0.1	0.02	< 0.1	< 1	102	2810	22.3	0.2	5.51	< 0.1	< 0.01	0.2	0.2
66425				< 0.1	1.26	< 0.1	2	< 100	2	< 1	< 0.1	0.03	< 0.1	< 1	67.5	1390	23.6	0.2	5.23	< 0.1	< 0.01	0.2	0.3
66426				< 0.1	8.66	< 0.1	1	< 100	160	1	< 0.1	3.75	< 0.1	88	20.7	134	104	< 0.1	4.31	4.8	0.14	44.7	6.4
66427				16.4	5.65	1.5	2	< 100	17	< 1	0.5	1.79	3.2	4	101	114	2240	0.1	17.2	0.4	0.03	1.3	5.2
66428				2.3	5.36	2.3	2	< 100	62	< 1	0.6	2.55	1.5	3	116	51	3080	< 0.1	14.1	0.4	0.13	1.5	2.0
66429				0.3	6.80	0.1	4	< 100	29	< 1	< 0.1	4.35	0.4	4	50.0	62	401	0.1	9.79	0.3	0.04	1.8	4.3
66430				0.5	6.80	0.1	< 1	< 100	25	< 1	< 0.1	3.86	< 0.1	4	49.3	123	324	< 0.1	11.2	0.3	0.03	1.7	5.5
66431				0.1	8.02	< 0.1	< 1	< 100	25	< 1	< 0.1	5.04	0.5	3	41.1	54	135	0.1	10.4	0.1	0.03	1.4	7.4
66432				< 0.1	6.94	< 0.1	< 1	< 100	59	1	0.1	1.58	0.1	48	21.4	69	14.4	0.5	7.38	3.8	0.52	21.7	29.4
66433				< 0.1	7.43	< 0.1	< 1	< 100	259	< 1	< 0.1	5.85	< 0.1	21	55.1	23	19.8	0.2	7.37	1.4	0.39	10.2	39.0

Analyte Symbol	As	Pb	Zn	Te	Al	Ag	As	Au	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Cs	Fe	Hf	K	La	Li
Unit Symbol	%	%	%	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm
Lower Limit	0.01	0.01	0.01	0.1	0.01	0.1	1	100	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.1	0.01	0.1	0.01	0.1	0.1
Method Code	FUS-Na2O2	FUS-Na2O2	FUS-Na2O2	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
66434				< 0.1	7.31	< 0.1	< 1	< 100	925	< 1	0.3	0.29	< 0.1	28	2.3	142	87.4	1.5	3.48	3.1	1.73	13.9	18.6
66435				< 0.1	0.64	0.2	13	100	61	2	< 0.1	17.3	3.4	13	6.6	159	13.7	2.6	9.31	0.2	0.06	7.1	2.3
66436				< 0.1	1.15	0.9	11	< 100	65	< 1	< 0.1	1.06	1.5	6	2.5	364	2540	0.6	7.57	0.3	0.24	4.1	6.3
66437				0.3	3.24	3.4	3	< 100	17	< 1	0.2	0.12	11.7	11	6.6	345	4500	0.6	38.2	1.5	0.22	5.9	21.7
66438				< 0.1	8.72	< 0.1	< 1	< 100	759	2	< 0.1	3.90	< 0.1	72	12.6	138	25.6	0.4	4.36	3.4	1.37	33.0	11.3
66439				0.5	3.23	< 0.1	< 1	< 100	77	< 1	0.2	3.28	0.1	38	59.5	184	668	4.4	19.2	1.2	0.36	9.3	1.7
66440				< 0.1	4.97	< 0.1	< 1	< 100	134	< 1	0.1	3.98	0.1	19	26.1	235	266	0.6	17.3	3.1	0.15	6.1	6.2
66441				< 0.1	6.44	< 0.1	< 1	< 100	79	1	< 0.1	5.13	0.3	84	33.9	244	117	1.2	17.2	2.1	0.17	22.7	7.4
66442				< 0.1	6.45	< 0.1	< 1	< 100	130	< 1	< 0.1	3.98	< 0.1	18	66.5	957	122	1.4	10.8	2.0	0.30	6.2	43.6

Analyte Symbol	Na	Nb	Ni	P	Rb	Pb	S	Mg	Mn	Mo	Sb	Sc	Sn	Sr	Ta	Th	Ti	Tl	U	V	W	Y	Zn
Unit Symbol	%	ppm	ppm	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.1	0.1	0.001	0.1	0.1	1	0.01	1	0.1	0.1	1	0.1	1	0.1	0.1	0.001	0.05	0.1	4	0.1	0.1	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
67051	0.044	0.9	536	0.011	27.0	7.6	< 1	5.88	829	10.8	2.6	18	0.7	135	< 0.1	0.1	0.193	0.16	0.1	94	0.3	4.8	821
67052	0.031	0.6	511	0.016	32.2	1.1	< 1	5.33	886	10.2	1.9	16	1.0	184	< 0.1	0.2	0.139	0.21	< 0.1	88	0.4	4.9	117
67053	0.027	0.9	457	0.016	29.7	1.2	< 1	5.77	957	13.2	5.2	15	0.5	167	< 0.1	0.1	0.177	0.21	< 0.1	75	0.5	5.4	33
67028	3.35	2.3	95.3	0.034	13.7	19.1	< 1	2.51	1040	3.4	0.7	35	0.2	228	0.1	0.7	0.438	0.14	0.6	246	0.6	15.9	155
67029	0.153	0.7	367	0.035	30.4	1.3	< 1	3.89	1180	4.0	0.3	30	< 0.1	124	< 0.1	0.5	0.310	0.34	0.4	175	0.2	7.8	109
67030	0.463	0.4	10.7	0.044	16.7	8.9	< 1	0.89	761	8.4	< 0.1	9	< 0.1	65	< 0.1	0.8	0.314	0.11	0.5	79	< 0.1	12.4	50
67031	1.45	4.7	188	0.119	6.4	3.5	8	2.09	1980	3.5	0.9	15	3.7	104	0.3	1.4	0.311	0.09	1.5	147	0.4	24.4	594
67032	0.072	6.8	87.3	0.069	50.0	30.5	8	0.55	259	15.3	2.5	10	2.2	29	0.3	0.4	0.214	0.53	0.7	95	2.2	11.0	71
67033	0.093	2.1	37.7	0.038	1.2	1.8	6	1.06	706	14.8	0.4	13	< 0.1	25	0.1	0.5	0.312	< 0.05	0.3	121	23.0	17.2	38
67034	1.46	2.9	26.7	0.067	25.6	2.2	< 1	2.35	678	5.0	0.4	20	1.1	159	< 0.1	1.9	0.427	0.17	0.7	162	0.2	11.7	39
67054	0.029	0.8	649	0.015	45.1	1.1	< 1	7.22	1270	4.3	3.3	26	1.7	195	< 0.1	0.1	0.222	0.32	0.1	140	0.4	6.8	368
67055	0.027	0.7	688	0.017	47.8	1.0	< 1	7.04	1180	4.8	2.6	22	1.9	190	< 0.1	< 0.1	0.207	0.31	0.1	136	0.3	6.4	960
67056	0.015	0.3	163	0.008	13.7	< 0.1	< 1	1.97	391	21.0	1.6	6	0.2	66	< 0.1	< 0.1	0.058	0.08	< 0.1	30	0.1	2.2	9
67057	0.041	0.8	328	0.008	28.8	0.5	< 1	3.64	627	12.1	5.5	12	0.8	119	< 0.1	0.1	0.154	0.23	< 0.1	50	0.8	3.9	26
67058	0.020	0.6	715	0.024	31.9	0.6	< 1	8.48	1120	2.3	0.1	25	1.1	163	< 0.1	0.2	0.333	0.21	< 0.1	147	< 0.1	5.1	69
67059	0.525	0.6	519	0.054	28.2	1.3	< 1	6.91	1000	2.7	0.1	23	2.4	103	< 0.1	0.4	0.339	0.16	0.3	141	< 0.1	5.2	57
67060	0.112	1.1	653	0.024	36.0	0.5	< 1	7.66	1010	12.0	< 0.1	22	0.8	138	< 0.1	0.2	0.293	0.23	0.2	128	< 0.1	4.3	51
67035	0.112	< 0.1	340	0.036	38.7	0.4	< 1	4.25	945	< 0.1	0.9	26	0.9	143	< 0.1	0.3	0.323	0.23	0.4	190	< 0.1	12.2	66
67036	0.326	0.4	169	0.007	11.2	0.7	1	2.29	811	13.8	6.6	6	< 0.1	186	< 0.1	< 0.1	0.070	< 0.05	< 0.1	74	0.2	5.5	16
67037	0.160	0.3	162	0.014	1.4	28.3	< 1	2.15	467	12.3	0.6	3	< 0.1	103	< 0.1	< 0.1	0.053	< 0.05	< 0.1	37	0.6	2.5	113
67038	1.86	5.0	65.1	0.055	22.3	3.2	5	2.19	643	9.2	0.5	21	1.8	142	0.3	2.4	0.397	0.17	1.0	176	0.8	8.4	73
67039	0.455	3.4	4.2	0.045	16.5	0.5	1	1.97	1140	3.4	0.5	15	0.3	118	0.2	0.6	0.373	0.11	0.5	113	0.7	14.7	135
67040 BLC	2.91	2.8	22.6	0.021	41.6	6.4	< 1	0.52	272	14.4	< 0.1	6	< 0.1	355	0.2	1.4	0.169	0.25	0.3	41	0.2	6.1	15
67202	1.14	2.1	227	0.087	5.8	5.1	8	1.01	600	10.0	19.4	8	1.1	20	< 0.1	0.9	0.164	< 0.05	0.8	110	1.7	9.4	40
67203	2.48	11.5	2.3	0.065	37.0	11.0	< 1	0.50	827	10.5	0.5	12	2.1	237	0.8	4.8	0.292	0.21	2.6	31	0.6	39.0	77
66947	0.012	0.2	6.1	0.002	0.5	< 0.1	< 1	< 0.01	57	18.1	1.1	< 1	< 0.1	3	< 0.1	< 0.1	0.005	< 0.05	< 0.1	< 4	0.4	0.4	< 1
66948	2.17	8.7	48.1	0.077	55.4	66.8	1	1.54	854	10.7	< 0.1	21	1.6	187	0.2	13.0	0.528	0.51	4.1	218	0.4	27.4	249
66949	0.012	0.2	69.4	0.001	4.1	< 0.1	< 1	0.71	156	18.6	0.9	1	< 0.1	20	< 0.1	< 0.1	0.024	< 0.05	< 0.1	14	< 0.1	0.6	4
66950	2.72	5.4	3130	0.045	15.8	9.4	> 10.0	1.57	426	14.3	0.9	21	0.8	64	0.4	3.1	0.416	0.32	5.1	282	1.1	15.6	82
66951 MR	0.925	2.5	11.3	0.069	73.9	20.4	< 1	0.95	695	7.0	2.3	12	0.3	252	0.1	2.7	0.296	0.98	0.7	105	3.5	9.7	90
66952	0.971	3.8	140	0.088	16.7	23.3	3	2.10	1370	8.5	1.0	18	0.8	72	0.2	1.1	0.329	0.48	1.5	141	0.9	14.0	742
66953	1.02	2.3	97.2	0.098	16.5	15.6	2	2.37	1740	5.6	0.3	22	1.1	90	< 0.1	0.8	0.473	0.80	0.9	177	0.2	19.1	291
66954	0.484	0.6	143	0.109	60.2	9.0	1	3.05	705	1.4	< 0.1	30	0.3	68	< 0.1	0.9	0.431	1.28	1.0	232	< 0.1	23.1	580
66955	3.06	4.6	3.7	0.009	22.2	4.3	< 1	0.10	180	14.3	0.1	3	0.1	74	0.3	11.3	0.061	0.09	2.6	10	0.7	16.6	6
66956	0.496	5.3	30.9	0.039	1.7	28.4	< 1	0.65	587	11.6	0.7	8	1.2	370	0.2	12.3	0.237	< 0.05	3.0	160	0.2	13.2	19
66957	0.548	5.5	114	0.103	39.5	17.5	2	1.99	1530	10.0	0.8	21	2.6	147	0.2	1.7	0.420	0.58	1.4	138	0.6	24.9	426
66958	0.006	0.2	7.0	0.002	4.7	36.6	< 1	0.01	43	17.6	32.2	< 1	< 0.1	10	< 0.1	0.3	0.009	< 0.05	< 0.1	5	1.9	0.7	42
66959	0.009	0.4	6.8	0.002	5.0	6.0	< 1	0.02	41	21.4	69.4	< 1	< 0.1	4	< 0.1	0.1	0.025	< 0.05	< 0.1	10	4.6	0.7	41
66960	0.005	0.2	5.6	< 0.001	2.6	2.0	< 1	< 0.01	31	16.6	34.2	< 1	< 0.1	3	< 0.1	< 0.1	0.013	< 0.05	< 0.1	4	3.8	0.4	59
66961	0.005	< 0.1	5.4	< 0.001	7.2	60.7	< 1	0.01	31	21.0	11.4	< 1	< 0.1	2	< 0.1	< 0.1	0.006	< 0.05	< 0.1	9	0.1	0.2	108
66962	0.007	0.1	5.7	0.001	5.1	6.0	< 1	< 0.01	39	16.1	58.3	< 1	< 0.1	2	< 0.1	< 0.1	0.006	< 0.05	< 0.1	4	0.7	0.2	198
66963	0.005	< 0.1	4.0	< 0.001	1.0	2.1	< 1	< 0.01	31	19.1	7.3	< 1	< 0.1	1	< 0.1	< 0.1	0.003	< 0.05	< 0.1	< 4	< 0.1	0.1	15

Analyte Symbol	Na	Nb	Ni	P	Rb	Pb	S	Mg	Mn	Mo	Sb	Sc	Sn	Sr	Ta	Th	Ti	Tl	U	V	W	Y	Zn
Unit Symbol	%	ppm	ppm	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.1	0.1	0.001	0.1	0.1	1	0.01	1	0.1	0.1	1	0.1	1	0.1	0.1	0.001	0.05	0.1	4	0.1	0.1	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
66964	0.005	0.1	5.0	0.001	4.3	1.0	< 1	< 0.01	33	17.2	11.2	< 1	< 0.1	2	< 0.1	< 0.1	0.002	< 0.05	< 0.1	< 4	0.3	0.1	116
66965	0.006	0.2	4.4	< 0.001	3.1	12.3	< 1	< 0.01	29	22.3	13.6	< 1	< 0.1	2	< 0.1	< 0.1	0.005	< 0.05	< 0.1	< 4	0.4	0.2	93
66966	0.006	0.5	8.1	0.002	6.0	0.4	< 1	0.02	105	18.4	5.1	< 1	< 0.1	2	< 0.1	0.3	0.036	0.06	0.1	5	1.4	1.3	6
66967	0.005	< 0.1	5.1	< 0.001	1.6	14.2	< 1	< 0.01	29	20.7	8.3	< 1	< 0.1	1	< 0.1	< 0.1	0.004	< 0.05	< 0.1	< 4	< 0.1	0.4	133
66968	0.010	< 0.1	5.2	< 0.001	7.8	1.2	< 1	0.01	36	9.2	45.2	< 1	< 0.1	1	< 0.1	0.2	0.022	0.05	0.9	8	< 0.1	0.6	338
66969	0.004	0.2	6.0	0.001	5.0	25.9	< 1	< 0.01	37	22.5	569	< 1	< 0.1	2	< 0.1	0.1	0.017	< 0.05	0.2	9	2.0	0.5	260
66970	0.011	0.4	6.1	0.002	6.5	6.1	< 1	0.03	48	16.7	35.0	< 1	< 0.1	14	< 0.1	0.2	0.016	< 0.05	< 0.1	9	2.1	0.7	10
66971 BLC	2.78	1.9	20.4	0.020	40.2	6.3	< 1	0.50	246	12.2	0.4	6	< 0.1	339	0.1	1.3	0.150	0.24	0.8	36	0.1	5.8	16
66972	0.002	0.2	5.3	< 0.001	1.4	1.6	< 1	< 0.01	39	16.8	9.0	< 1	< 0.1	2	< 0.1	< 0.1	0.006	< 0.05	< 0.1	< 4	0.8	0.3	3
66973	0.016	< 0.1	4.9	< 0.001	3.0	10.5	< 1	< 0.01	44	23.5	6.6	< 1	0.2	4	< 0.1	< 0.1	0.011	< 0.05	< 0.1	5	0.5	0.3	24
66974	0.011	0.2	6.3	< 0.001	3.9	45.6	< 1	< 0.01	33	16.7	55.4	< 1	0.2	2	< 0.1	< 0.1	0.009	< 0.05	2.5	< 4	1.9	0.2	41
66975	0.012	< 0.1	5.4	< 0.001	2.1	94.8	< 1	< 0.01	56	10.4	16.1	< 1	< 0.1	< 1	< 0.1	< 0.1	0.006	< 0.05	< 0.1	< 4	< 0.1	0.3	525
66976	0.012	0.6	6.9	< 0.001	7.3	10.6	< 1	0.01	33	17.2	17.3	1	0.3	2	< 0.1	< 0.1	0.042	0.05	< 0.1	17	10.0	1.2	11
66977	0.011	< 0.1	5.6	< 0.001	3.8	17.6	< 1	< 0.01	36	24.7	5.7	< 1	0.2	1	< 0.1	0.2	0.001	< 0.05	< 0.1	< 4	< 0.1	0.3	25
66978	0.015	< 0.1	6.2	0.001	6.9	963	< 1	0.02	42	12.7	110	< 1	0.2	6	< 0.1	0.5	0.024	0.05	0.3	< 4	0.2	1.0	34
66979	0.014	0.1	5.3	0.001	5.6	14.1	< 1	0.01	50	25.2	12.9	< 1	0.3	4	< 0.1	0.2	0.013	< 0.05	< 0.1	< 4	0.7	0.6	93
66980	0.009	< 0.1	6.4	< 0.001	2.0	759	< 1	< 0.01	54	6.7	12.8	< 1	0.2	3	< 0.1	< 0.1	0.002	< 0.05	< 0.1	< 4	< 0.1	0.3	668
66981	0.008	< 0.1	4.8	< 0.001	2.3	> 5000	< 1	< 0.01	46	6.0	608	< 1	< 0.1	< 1	< 0.1	< 0.1	0.002	0.08	< 0.1	< 4	< 0.1	0.2	984
66982	0.011	< 0.1	6.9	< 0.001	3.2	844	< 1	< 0.01	82	6.7	7.4	< 1	< 0.1	< 1	< 0.1	< 0.1	0.005	< 0.05	< 0.1	< 4	< 0.1	0.4	670
66983	0.014	< 0.1	5.7	< 0.001	8.1	39.3	< 1	0.01	34	23.5	192	< 1	0.3	2	< 0.1	0.5	0.014	0.06	0.1	8	0.2	1.5	163
66984	0.009	< 0.1	7.0	< 0.001	3.2	50.4	< 1	< 0.01	42	13.9	42.6	< 1	0.3	3	< 0.1	< 0.1	0.009	< 0.05	< 0.1	< 4	0.1	0.2	389
66985	0.012	< 0.1	5.4	< 0.001	4.9	71.7	< 1	< 0.01	45	18.1	77.9	< 1	< 0.1	1	< 0.1	< 0.1	0.010	< 0.05	< 0.1	6	< 0.1	0.3	138
66639	0.551	4.9	123	0.042	35.2	5.6	> 10.0	3.46	726	4.5	2.6	27	1.0	50	0.3	0.9	0.534	1.43	13.9	195	0.5	12.2	77
66640 MR	0.685	6.5	15.3	0.460	551	7.3	< 1	0.72	3240	247	0.4	6	108	97	< 0.1	5.2	0.107	5.23	8.2	55	> 200	6.7	305
66641	2.61	15.3	9.1	0.100	13.7	11.6	7	1.24	684	9.6	2.5	25	2.0	419	0.9	1.9	0.765	1.00	0.9	230	6.5	19.4	75
66642	0.011	0.2	5.9	< 0.001	0.3	386	< 1	< 0.01	41	19.7	0.8	< 1	0.2	2	< 0.1	< 0.1	0.003	< 0.05	< 0.1	< 4	2.0	< 0.1	< 1
66643	0.005	0.4	4.2	0.005	0.5	333	< 1	0.01	57	23.8	1.1	< 1	0.2	3	< 0.1	< 0.1	0.005	< 0.05	< 0.1	< 4	1.7	0.3	108
66644	0.007	0.1	5.6	< 0.001	0.4	> 5000	< 1	< 0.01	39	18.2	5.5	< 1	0.3	2	< 0.1	0.2	0.002	< 0.05	5.4	< 4	1.4	0.1	642
66645	0.006	1.3	4.4	0.001	2.7	1320	< 1	0.01	42	22.7	1.3	< 1	0.4	2	< 0.1	0.3	0.028	< 0.05	0.2	< 4	3.2	0.7	279
66646	0.010	1.1	5.9	0.010	4.7	1800	< 1	0.14	202	18.3	1.6	< 1	0.4	17	< 0.1	0.4	0.041	< 0.05	0.2	< 4	4.1	3.0	997
66647	0.009	0.2	4.8	< 0.001	0.2	> 5000	< 1	< 0.01	38	26.1	5.1	< 1	0.2	2	< 0.1	< 0.1	< 0.001	< 0.05	< 0.1	< 4	0.7	< 0.1	41
66648	3.98	25.4	3.2	0.012	79.5	26.7	< 1	0.19	80	7.6	0.8	4	7.9	93	1.6	21.0	0.127	0.30	4.3	10	2.9	46.7	83
66649	0.862	15.7	5.1	0.010	116	32.7	2	0.10	90	21.3	1.8	3	2.9	58	0.8	10.8	0.086	0.87	3.0	12	2.0	27.3	305
66650	1.13	7.5	392	0.091	34.2	27.6	> 10.0	1.64	560	17.2	3.5	24	3.8	71	0.5	5.5	0.448	1.34	9.9	449	3.4	17.7	1620
66651	0.361	7.1	351	0.045	62.9	87.5	> 10.0	1.64	599	21.9	2.3	22	6.0	37	0.4	3.9	0.473	1.18	6.5	319	3.7	12.3	1440
66652	0.249	5.2	164	0.072	73.6	36.0	7	1.01	1040	13.6	3.3	16	3.5	107	0.3	4.2	0.290	0.71	4.0	266	3.2	12.8	956
66653	0.057	2.1	16.0	0.014	13.1	8.6	< 1	0.53	1590	21.6	1.0	5	1.0	70	0.1	1.0	0.107	0.12	1.1	59	0.7	4.4	38
66654	0.140	1.1	12.5	0.009	0.8	14.5	1	0.06	72	18.2	0.7	< 1	0.3	20	< 0.1	0.8	0.034	< 0.05	3.2	8	0.6	1.6	14
66655	1.35	5.4	289	0.056	11.2	42.4	> 10.0	1.66	812	21.3	2.9	23	4.3	223	0.3	1.6	0.450	0.45	3.2	246	1.5	15.3	2590
66656	1.62	5.9	1270	0.046	7.7	185	> 10.0	0.92	501	48.4	5.9	20	9.0	188	0.4	2.9	0.269	0.90	8.6	449	1.5	24.3	> 10000
66657	0.620	4.2	1720	0.054	6.7	198	> 10.0	0.61	414	47.6	6.4	20	9.6	197	0.3	1.4	0.344	1.12	8.9	397	1.8	17.4	> 10000
66658	0.707	4.8	410	0.065	55.8	75.6	> 10.0	2.91	1240	13.8	5.4	29	3.4	122	0.3	0.9	0.569	2.20	2.2	262	0.8	14.0	1500

Analyte Symbol	Na	Nb	Ni	P	Rb	Pb	S	Mg	Mn	Mo	Sb	Sc	Sn	Sr	Ta	Th	Ti	Tl	U	V	W	Y	Zn
Unit Symbol	%	ppm	ppm	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.1	0.1	0.001	0.1	0.1	1	0.01	1	0.1	0.1	1	0.1	1	0.1	0.1	0.001	0.05	0.1	4	0.1	0.1	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
66659	0.099	0.3	9.2	0.001	1.2	349	< 1	0.02	51	21.1	0.1	< 1	0.2	12	< 0.1	0.3	0.008	< 0.05	0.2	< 4	0.4	0.3	11
66660 BLC	2.88	2.0	25.1	0.020	46.6	7.9	< 1	0.42	314	13.3	< 0.1	6	0.6	382	< 0.1	1.3	0.160	0.24	0.3	44	0.3	5.8	18
66661	4.65	0.3	14.3	0.084	67.2	58.2	< 1	1.56	708	1.6	< 0.1	13	0.5	498	< 0.1	18.3	0.227	0.35	4.8	73	0.2	21.0	79
66662	0.139	2.7	26.6	0.061	98.2	2.8	2	2.19	852	65.8	0.2	28	6.4	61	< 0.1	0.9	0.529	1.06	0.4	241	2.8	12.1	114
66663	1.12	0.5	26.3	0.047	78.8	2.7	< 1	2.30	1250	0.4	1.5	39	1.4	195	< 0.1	0.7	0.310	0.77	0.4	193	0.3	11.0	102
66664	1.97	2.4	16.0	0.030	12.9	0.9	< 1	1.51	1270	7.2	6.5	19	0.6	194	0.2	0.4	0.310	0.11	0.2	104	6.1	5.6	17
66665	0.014	0.2	8.8	0.003	4.1	2.4	5	0.14	97	16.3	23.8	2	0.4	19	< 0.1	< 0.1	0.041	0.06	< 0.1	24	5.9	0.4	6
66666	1.75	0.6	22.7	0.050	14.9	5.2	1	2.46	1600	0.5	< 0.1	39	1.3	225	< 0.1	0.7	0.368	0.24	0.3	226	0.3	12.1	110
66667	0.031	0.8	5.7	0.004	4.6	2.3	< 1	0.05	83	24.8	1.9	3	0.5	6	< 0.1	< 0.1	0.055	< 0.05	< 0.1	24	4.0	0.4	18
66668	0.490	5.1	524	0.070	21.1	48.6	> 10.0	0.75	864	14.7	1.6	12	2.4	103	0.3	0.8	0.246	2.21	2.6	117	0.5	16.6	945
66669	0.089	< 0.1	49.0	0.012	17.4	4.0	10	0.59	260	11.9	22.8	8	0.8	14	< 0.1	0.2	0.044	0.22	0.2	83	5.5	2.5	94
66670	4.10	8.0	5.8	0.020	10.6	11.9	< 1	0.02	71	9.1	0.3	2	1.7	163	0.7	5.4	0.004	0.08	5.0	4	0.6	9.3	30
66671	0.060	1.0	8.9	0.004	6.5	1.3	< 1	0.08	69	24.5	2.6	1	0.5	9	0.2	1.0	0.019	< 0.05	1.0	11	4.0	0.9	3
66672	0.164	1.0	20.0	0.006	9.4	1.8	1	0.12	95	17.8	5.0	3	0.6	23	0.2	1.5	0.032	0.07	1.4	18	10.3	1.6	5
66673	1.92	3.7	442	0.072	22.2	63.3	> 10.0	1.17	815	25.1	7.7	23	2.7	190	0.2	1.0	0.378	2.11	6.8	206	0.5	16.2	1890
66674	3.22	11.1	3.2	0.011	63.2	26.1	< 1	< 0.01	46	8.9	0.3	1	3.0	39	1.0	3.5	0.023	0.35	0.9	< 4	1.4	5.1	< 1
66675	2.88	8.3	2.6	0.013	76.9	17.2	< 1	0.02	92	12.6	0.3	3	3.9	52	0.2	16.4	0.025	0.47	3.4	< 4	2.2	13.7	4
66676	2.22	0.9	12.6	0.074	7.1	8.9	1	1.35	1470	0.5	< 0.1	28	1.0	421	< 0.1	1.0	0.407	0.19	0.6	173	0.2	15.9	186
67319	2.37	< 0.1	49.8	0.211	12.8	21.2	< 1	1.78	826	1.8	< 0.1	34	1.2	42	< 0.1	1.8	0.426	0.25	8.8	241	0.2	43.4	232
67320	1.74	0.5	77.1	0.117	20.4	5.8	2	2.30	950	0.2	0.2	45	1.0	60	< 0.1	1.4	0.582	0.40	8.2	166	0.1	25.3	371
67321	0.007	0.6	4.7	0.002	1.8	1.5	< 1	0.60	619	12.8	< 0.1	< 1	0.2	50	< 0.1	0.4	0.017	< 0.05	0.1	9	0.2	1.2	8
67322	4.65	5.4	6.2	0.098	1.0	4.1	< 1	1.55	1170	0.9	0.2	22	0.6	146	< 0.1	1.2	0.494	< 0.05	0.6	96	0.1	22.5	438
67323	4.42	3.9	45.5	0.112	11.9	7.6	2	2.39	950	1.9	0.3	33	1.4	393	< 0.1	1.8	0.628	0.11	1.6	228	0.5	21.0	190
67324	2.65	2.5	212	0.095	8.1	9.7	3	2.93	832	0.4	0.1	33	1.3	52	< 0.1	2.3	0.659	0.07	3.1	85	0.2	18.2	132
67325	1.02	1.7	597	0.024	5.1	32.7	2	2.48	935	7.1	0.4	20	1.4	29	< 0.1	0.9	0.484	0.07	0.2	107	0.2	4.5	1200
67326	1.43	1.6	86.4	0.071	8.2	11.5	< 1	1.63	1170	5.2	< 0.1	18	0.5	317	< 0.1	0.8	0.487	< 0.05	0.3	160	0.3	11.2	61
67327	2.06	2.9	160	0.036	17.3	2.6	2	2.99	1170	7.9	< 0.1	27	1.1	154	< 0.1	0.4	0.713	0.10	0.2	268	0.7	11.5	317
67328	2.92	0.4	50.7	0.163	4.5	2.8	< 1	2.77	1310	0.5	< 0.1	44	1.3	211	< 0.1	1.6	0.566	< 0.05	5.5	172	0.2	36.2	118
66422	4.42	1.2	12.1	0.026	9.8	1.1	< 1	0.75	198	10.1	0.3	4	0.2	555	< 0.1	0.2	0.128	0.09	0.2	30	0.1	2.2	27
66423	0.002	< 0.1	1640	0.001	0.3	0.3	< 1	19.3	1320	0.4	2.9	12	< 0.1	1	< 0.1	< 0.1	0.071	< 0.05	< 0.1	< 4	0.4	1.6	75
66424	< 0.001	< 0.1	1750	0.002	0.3	0.2	< 1	20.3	1130	0.7	1.5	9	< 0.1	1	< 0.1	< 0.1	0.037	< 0.05	< 0.1	< 4	0.3	1.3	42
66425	< 0.001	< 0.1	988	0.001	0.2	< 0.1	< 1	19.4	1080	0.2	1.5	7	< 0.1	< 1	< 0.1	< 0.1	0.032	< 0.05	< 0.1	< 4	0.2	0.9	34
66426	4.56	3.5	99.3	0.179	2.6	3.7	< 1	3.24	685	2.8	0.4	15	1.3	437	< 0.1	8.9	0.504	< 0.05	2.6	122	0.2	17.9	54
66427	1.53	0.5	70.8	0.019	0.3	7.9	9	2.92	1300	6.2	0.7	39	4.3	31	< 0.1	< 0.1	0.170	0.11	0.5	204	0.3	6.3	955
66428	3.04	0.7	65.0	0.064	1.6	14.3	> 10.0	1.91	887	9.0	1.0	33	1.9	39	< 0.1	0.2	0.202	0.07	0.7	232	0.4	10.8	575
66429	1.75	0.5	20.6	0.036	0.4	2.9	2	2.04	1290	4.4	1.6	41	0.5	137	< 0.1	< 0.1	0.246	< 0.05	< 0.1	284	0.2	10.8	260
66430	1.67	0.7	31.5	0.040	0.2	2.9	2	2.20	1360	5.5	1.0	42	0.3	113	< 0.1	< 0.1	0.240	< 0.05	< 0.1	275	0.2	12.1	153
66431	1.61	0.4	14.7	0.041	0.3	0.7	< 1	2.99	1640	2.2	0.9	49	0.3	223	< 0.1	< 0.1	0.248	< 0.05	< 0.1	366	0.2	7.9	352
66432	3.55	3.4	9.0	0.138	18.7	19.5	4	2.16	482	8.0	0.9	39	1.7	139	0.2	9.0	1.01	0.13	3.5	358	1.1	27.6	103
66433	2.44	< 0.1	9.0	0.025	9.6	3.4	< 1	5.19	1420	0.2	< 0.1	52	< 0.1	272	< 0.1	2.6	0.223	0.10	0.8	190	< 0.1	14.3	53
66434	2.96	< 0.1	6.2	0.027	73.6	22.6	< 1	0.80	247	3.4	< 0.1	14	0.7	76	< 0.1	15.8	0.214	0.50	3.5	108	< 0.1	10.0	27
66435	0.004	1.1	45.1	0.040	2.3	3.4	2	3.46	1360	3.9	1.8	13	0.4	738	< 0.1	0.6	0.053	< 0.05	0.2	27	0.5	25.6	1250

Analyte Symbol	Na	Nb	Ni	P	Rb	Pb	S	Mg	Mn	Mo	Sb	Sc	Sn	Sr	Ta	Th	Ti	Tl	U	V	W	Y	Zn
Unit Symbol	%	ppm	ppm	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.1	0.1	0.001	0.1	0.1	1	0.01	1	0.1	0.1	1	0.1	1	0.1	0.1	0.001	0.05	0.1	4	0.1	0.1	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
66436	0.075	1.1	187	0.036	8.3	3.1	3	0.60	294	25.2	0.6	4	4.5	39	< 0.1	0.6	0.058	0.80	0.8	104	0.4	4.5	367
66437	0.013	3.2	1410	0.054	8.0	17.3	> 10.0	1.75	103	11.8	0.9	16	3.9	11	0.2	2.6	0.276	1.29	4.3	440	0.9	10.1	3540
66438	3.49	0.7	20.0	0.152	26.8	10.2	< 1	1.38	744	2.2	< 0.1	11	0.7	859	< 0.1	5.2	0.317	0.18	1.8	73	< 0.1	11.3	68
66439	0.102	4.5	58.0	0.149	16.5	2.4	5	1.92	> 10000	5.2	1.2	12	0.8	37	0.3	2.6	0.267	< 0.05	0.7	97	0.7	19.6	65
66440	0.204	0.9	31.1	0.074	3.9	2.5	2	2.06	> 10000	6.3	1.0	30	0.9	19	< 0.1	1.4	0.850	< 0.05	0.8	244	< 0.1	24.9	74
66441	0.140	5.3	50.8	0.100	6.1	0.5	1	2.12	> 10000	6.6	0.7	19	1.3	23	0.5	6.2	0.473	< 0.05	1.2	141	1.1	24.5	68
66442	2.85	1.0	408	0.046	12.7	0.4	< 1	6.23	1510	< 0.1	< 0.1	45	< 0.1	55	< 0.1	1.0	0.412	0.08	0.2	155	< 0.1	17.4	93

Analyte Symbol	Zr
Unit Symbol	ppm
Lower Limit	0.1
Method Code	TD-MS
67051	12.6
67052	14.6
67053	12.2
67028	57.1
67029	37.9
67030	21.0
67031	93.4
67032	27.8
67033	22.3
67034	66.9
67054	18.2
67055	18.6
67056	4.1
67057	13.8
67058	31.9
67059	44.7
67060	30.0
67035	44.2
67036	5.1
67037	2.9
67038	93.3
67039	29.7
67040 BLC	51.4
67202	38.1
67203	146
66947	1.9
66948	183
66949	2.4
66950	79.3
66951 MR	74.0
66952	69.9
66953	84.6
66954	101
66955	56.0
66956	75.3
66957	139
66958	10.1
66959	9.5
66960	5.3
66961	2.3
66962	4.8
66963	0.5

Analyte Symbol	Zr
Unit Symbol	ppm
Lower Limit	0.1
Method Code	TD-MS
66964	2.1
66965	1.9
66966	9.3
66967	1.0
66968	4.9
66969	7.2
66970	7.0
66971 BLC	48.3
66972	2.2
66973	1.5
66974	7.2
66975	1.1
66976	9.3
66977	2.5
66978	12.5
66979	7.4
66980	1.2
66981	0.5
66982	1.3
66983	12.7
66984	4.6
66985	2.7
66639	50.0
66640 MR	39.6
66641	165
66642	1.1
66643	1.8
66644	1.2
66645	9.2
66646	14.3
66647	0.2
66648	382
66649	234
66650	97.9
66651	87.9
66652	70.6
66653	22.9
66654	10.2
66655	66.2
66656	92.4
66657	69.9
66658	70.0

Analyte Symbol	Zr
Unit Symbol	ppm
Lower Limit	0.1
Method Code	TD-MS
66659	4.0
66660 BLC	61.4
66661	180
66662	49.0
66663	21.3
66664	20.7
66665	69.3
66666	27.6
66667	11.5
66668	76.2
66669	101
66670	42.5
66671	13.0
66672	24.4
66673	117
66674	70.5
66675	62.5
66676	32.9
67319	17.7
67320	63.7
67321	10.5
67322	104
67323	84.3
67324	53.5
67325	51.3
67326	46.3
67327	44.4
67328	56.8
66422	60.7
66423	4.6
66424	3.0
66425	1.8
66426	186
66427	10.2
66428	11.0
66429	7.0
66430	8.2
66431	4.1
66432	141
66433	44.5
66434	96.1
66435	9.8

Analyte Symbol	Zr
Unit Symbol	ppm
Lower Limit	0.1
Method Code	TD-MS
66436	12.1
66437	59.2
66438	145
66439	56.0
66440	139
66441	91.8
66442	81.6

Analyte Symbol	As	Pb	Zn	Te	Al	Ag	As	Au	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Cs	Fe	Hf	K	La	Li
Unit Symbol	%	%	%	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm
Lower Limit	0.01	0.01	0.01	0.1	0.01	0.1	1	100	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.1	0.01	0.1	0.01	0.1	0.1
Method Code	FUS-Na2O2	FUS-Na2O2	FUS-Na2O2	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	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-1 Meas	0.04	0.08	0.08	0.9	2.15	28.9	453	> 2000	690	1	1370	1.04	2.7	15	7.8	17	1230	2.9	26.1	0.4	0.04	7.2	9.0
GXR-1 Cert	0.04	0.0730	0.0760	13.0	3.52	31.0	427	3300	750	1.22	1380	0.960	3.30	17.0	8.20	12.0	1110	3.00	23.6	0.960	0.050	7.50	8.20
GXR-1 Meas				9.4	2.25	28.2	435	> 2000	653	1	1330	0.98	2.6	15	7.4	15	1190	2.8	24.2	0.4	0.04	6.8	8.6
GXR-1 Cert				13.0	3.52	31.0	427	3300	750	1.22	1380	0.960	3.30	17.0	8.20	12.0	1110	3.00	23.6	0.960	0.050	7.50	8.20
DH-1a Meas																							
DH-1a Cert																							
DH-1a Meas																							
DH-1a Cert																							
GXR-4 Meas				9.3	6.54	3.0	106	400	191	2	18.6	1.07	0.2	112	13.9	46	6920	2.5	3.17	1.3	2.61	54.6	11.9
GXR-4 Cert				0.970	7.20	4.0	98.0	500	1640	1.90	19.0	1.01	0.860	102	14.6	64.0	6520	2.80	3.09	6.30	4.01	64.5	11.1
GXR-4 Meas				0.9	6.65	3.0	102	300	174	2	17.9	1.06	0.2	109	13.0	40	6740	2.5	3.04	1.2	3.86	54.4	11.3
GXR-4 Cert				0.970	7.20	4.0	98.0	500	1640	1.90	19.0	1.01	0.860	102	14.6	64.0	6520	2.80	3.09	6.30	4.01	64.5	11.1
PTM-1a Meas	0.22																						
PTM-1a Cert	0.220																						
PTM-1a Meas	0.22																						
PTM-1a Cert	0.220																						
SDC-1 Meas					8.16		< 1		578	3		1.08		87	16.9	50	30.2	3.9	4.77	1.1	1.39	35.8	36.3
SDC-1 Cert					8.34		0.220		630	3.00		1.00		93.00	18.0	64.00	30.000	4.00	4.82	8.30	2.72	42.00	34.0
SDC-1 Meas					8.26		< 1		596	3		1.04		91	16.2	46	29.5	3.7	4.66	0.9	1.37	38.3	37.0
SDC-1 Cert					8.34		0.220		630	3.00		1.00		93.00	18.0	64.00	30.000	4.00	4.82	8.30	2.72	42.00	34.0
GXR-6 Meas				< 0.1	12.6	0.1	223	< 100	1210	1	0.2	0.17	< 0.1	37	13.1	40	74.8	4.1	5.70	1.8	1.74	12.3	33.8
GXR-6 Cert				0.0180	17.7	1.30	330	95.0	1300	1.40	0.290	0.180	1.00	36.0	13.8	96.0	66.0	4.20	5.58	4.30	1.87	13.9	32.0
GXR-6 Meas				< 0.1																			
GXR-6 Cert				0.0180																			
CD-1 Meas	0.69																						
CD-1 Cert	0.660																						
CD-1 Meas	0.66																						
CD-1 Cert	0.660																						
GBW 07239 (NCS DC 70007) Meas	< 0.01	< 0.01	< 0.01																				
GBW 07239 (NCS DC 70007) Cert	0.0001	0.003	0.01																				
Oreas 74a (Fusion) Meas	< 0.01																						
Oreas 74a (Fusion) Cert	0.005																						
OREAS 131a (Fusion) Meas	< 0.01	1.71	2.82																				
OREAS 131a (Fusion) Cert	0.009	1.74	2.84																				
OREAS 134b (Fusion) Meas	0.02	13.2	17.5																				
OREAS 134b	0.02	13.20	18.12																				

Analyte Symbol	As	Pb	Zn	Te	Al	Ag	As	Au	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Cs	Fe	Hf	K	La	Li
Unit Symbol	%	%	%	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm
Lower Limit	0.01	0.01	0.01	0.1	0.01	0.1	1	100	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.1	0.01	0.1	0.01	0.1	0.1
Method Code	FUS-Na2O2	FUS-Na2O2	FUS-Na2O2	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
(Fusion) Cert																							
MP-1b Meas	2.39	2.08	16.5																				
MP-1b Cert	2.30	2.09	16.7																				
MP-1b Meas	2.31																						
MP-1b Cert	2.30																						
OREAS 101b (Fusion) Meas		< 0.01																					
OREAS 101b (Fusion) Cert		0.002																					
DNC-1a Meas									98						54.8	216	103					3.3	4.8
DNC-1a Cert									118						57	270	100					3.6	5.2
DNC-1a Meas									101						53.7	244	104					3.5	5.0
DNC-1a Cert									118						57	270	100					3.6	5.2
CPB-2 Meas		62.8	6.04																				
CPB-2 Cert		63.52	6.04																				
CZN-4 Meas	0.04	0.18	54.0																				
CZN-4 Cert	0.0356	0.1861	55.07																				
SBC-1 Meas							22		734	3	0.6		0.4	106	20.9	67	32.1	7.7		3.0		46.5	166
SBC-1 Cert							25.7		788.0	3.20	0.70		0.40	108.0	22.7	109	31.0000	8.2		3.7		52.5	163
SBC-1 Meas							24		737	4	0.7		0.4	113	21.6	77	31.2	8.7		3.1		50.3	178
SBC-1 Cert							25.7		788.0	3.20	0.70		0.40	108.0	22.7	109	31.0000	8.2		3.7		52.5	163
Arsenic (III) Oxide Meas	> 10.0																						
Arsenic (III) Oxide Cert	75.7																						
OREAS 45d (4-Acid) Meas					8.22		6		182	< 1	0.3	0.19		39	29.2	477	417	3.8	15.1	1.4	0.41	17.2	23.3
OREAS 45d (4-Acid) Cert					8.150		13.8		183.0	0.79	0.31	0.185		37.20	29.50	549	371	3.910	14.5	3.830	0.412	16.9	21.5
OREAS 45d (4-Acid) Meas					8.01		6		174	< 1	0.3	0.19		37	26.9	484	393	3.7	14.0	1.7	0.40	15.3	22.4
OREAS 45d (4-Acid) Cert					8.150		13.8		183.0	0.79	0.31	0.185		37.20	29.50	549	371	3.910	14.5	3.830	0.412	16.9	21.5
SdAR-M2 (U.S.G.S.) Meas									994	7	0.9		4.8	99	12.3	37	261	1.6		3.8		42.4	18.5
SdAR-M2 (U.S.G.S.) Cert									990	6.6	1.05		5.1	98.8	12.4	49.6	236.0000	1.82		7.29		46.6	17.9
OREAS 922 (Peroxide Fusion) Meas		< 0.01	0.02																				
OREAS 922 (Peroxide Fusion) Cert		0.006	0.03																				

Analyte Symbol	As	Pb	Zn	Te	Al	Ag	As	Au	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Cs	Fe	Hf	K	La	Li
Unit Symbol	%	%	%	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm
Lower Limit	0.01	0.01	0.01	0.1	0.01	0.1	1	100	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.1	0.01	0.1	0.01	0.1	0.1
Method Code	FUS-Na2O2	FUS-Na2O2	FUS-Na2O2	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	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 621 (Peroxide Fusion) Meas	< 0.01	1.36	5.37																				
OREAS 621 (Peroxide Fusion) Cert	0.009	1.33	5.22																				
67036 Orig				0.2	1.58	< 0.1	202	< 100	89	< 1	0.3	6.90	< 0.1	3	78.5	205	38.5	0.2	5.66	0.1	0.58	0.9	6.3
67036 Dup				0.2	1.54	< 0.1	197	< 100	90	< 1	0.3	6.80	< 0.1	3	75.9	212	38.1	0.2	5.55	0.1	0.57	0.8	6.1
66950 Orig				0.5	6.06	2.0	2	1000	40	< 1	0.6	0.76	1.3	15	302	120	2630	0.4	21.0	2.0	0.46	5.3	11.3
66950 Dup				0.4	5.73	1.9	3	< 100	42	< 1	0.6	0.72	1.5	14	296	116	2590	0.4	20.6	2.0	0.44	5.1	11.1
66952 Orig				0.5	5.23	0.4	5	< 100	123	< 1	0.1	3.50	1.4	14	18.9	278	287	0.4	9.95	1.7	0.56	6.6	13.6
66952 Dup				0.4	5.19	0.5	5	< 100	125	< 1	0.1	3.56	1.4	14	19.5	262	289	0.4	10.2	1.7	0.57	6.8	13.7
66979 Orig				0.2	0.45	0.5	2630	500	51	< 1	0.5	< 0.01	0.2	2	0.9	320	57.7	< 0.1	0.79	0.2	0.19	1.2	14.4
66979 Dup				0.2	0.44	0.5	2690	500	50	< 1	0.5	< 0.01	0.3	2	0.9	310	53.6	< 0.1	0.79	0.1	0.19	1.1	14.2
66657 Orig				3.2	4.21	5.6	25	< 100	14	< 1	1.4	5.16	36.7	14	145	135	2670	0.2	23.7	1.8	0.29	7.4	2.4
66657 Dup				3.2	4.33	5.6	31	< 100	15	< 1	1.4	5.47	37.0	14	149	131	2750	0.2	24.9	1.8	0.31	7.5	2.5
66672 Orig	2.37	< 0.01	< 0.01																				
66672 Dup	2.39	< 0.01	< 0.01																				
66675 Orig				< 0.1	7.15	0.4	23	< 100	164	2	0.5	0.47	< 0.1	44	0.3	112	4.3	0.7	0.64	3.3	1.89	20.2	8.8
66675 Dup				< 0.1	7.16	0.4	20	< 100	161	2	0.5	0.46	< 0.1	43	0.3	98	4.0	0.7	0.62	2.4	1.92	19.3	9.0
66430 Orig				0.5	6.36	0.1	< 1	< 100	25	< 1	< 0.1	3.78	0.1	4	49.1	127	323	< 0.1	11.2	0.3	0.03	1.5	5.4
66430 Dup				0.5	7.24	0.1	< 1	< 100	26	< 1	< 0.1	3.95	< 0.1	5	49.4	119	324	0.1	11.2	0.3	0.03	2.0	5.6
Method Blank					< 0.01	< 0.1	< 1	< 100	3	< 1	< 0.1	< 0.01	< 0.1	< 1	< 0.2	8	< 0.1	< 0.1	< 0.01	< 0.1	< 0.01	< 0.1	< 0.1
Method Blank					< 0.01	< 0.1	< 1	< 100	< 1	< 1	< 0.1	< 0.01	< 0.1	< 1	< 0.2	8	< 0.1	< 0.1	< 0.01	< 0.1	< 0.01	< 0.1	< 0.1
Method Blank					< 0.01	< 0.1	< 1	< 100	< 1	< 1	< 0.1	< 0.01	< 0.1	< 1	< 0.2	9	0.1	< 0.1	< 0.01	< 0.1	< 0.01	< 0.1	< 0.1
Method Blank					< 0.01	< 0.1	< 1	< 100	< 1	< 1	< 0.1	< 0.01	< 0.1	< 1	< 0.2	2	0.2	< 0.1	< 0.01	< 0.1	< 0.01	< 0.1	< 0.1
Method Blank					< 0.01	< 0.1	< 1	< 100	< 1	< 1	< 0.1	< 0.01	< 0.1	< 1	< 0.2	2	0.2	< 0.1	< 0.01	< 0.1	< 0.01	< 0.1	< 0.1
Method Blank					< 0.01	< 0.1	< 1	< 100	< 1	< 1	< 0.1	< 0.01	< 0.1	< 1	< 0.2	14	< 0.1	< 0.1	< 0.01	< 0.1	< 0.01	< 0.1	< 0.1
Method Blank				< 0.1																			
Method Blank				< 0.1																			
Method Blank				< 0.1																			
Method Blank				< 0.1																			
Method Blank				< 0.1																			
Method Blank	< 0.01	< 0.01	< 0.01																				
Method Blank	< 0.01	< 0.01	< 0.01																				
Method Blank	< 0.01																						

Analyte Symbol	Na	Nb	Ni	P	Rb	Pb	S	Mg	Mn	Mo	Sb	Sc	Sn	Sr	Ta	Th	Ti	Tl	U	V	W	Y	Zn
Unit Symbol	%	ppm	ppm	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.1	0.1	0.001	0.1	0.1	1	0.01	1	0.1	0.1	1	0.1	1	0.1	0.1	0.001	0.05	0.1	4	0.1	0.1	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-1 Meas	0.040	0.8	41.3	0.067	2.7	752	< 1	0.22	963	19.5	34.7	1	29.1	311	< 0.1	2.6	0.027	0.41	34.4	85	162	30.3	847
GXR-1 Cert	0.0520	0.800	41.0	0.0650	14.0	730	0.257	0.217	852	18.0	122	1.58	54.0	275	0.175	2.44	0.036	0.390	34.9	80.0	164	32.0	760
GXR-1 Meas	0.037	0.7	38.6	0.065	2.6	723	< 1	0.21	845	18.8	33.8	1	28.6	295	< 0.1	2.5	0.024	0.40	41.4	81	159	29.8	813
GXR-1 Cert	0.0520	0.800	41.0	0.0650	14.0	730	0.257	0.217	852	18.0	122	1.58	54.0	275	0.175	2.44	0.036	0.390	34.9	80.0	164	32.0	760
DH-1a Meas																892			2480				
DH-1a Cert																910			2629				
DH-1a Meas																873			2390				
DH-1a Cert																910			2629				
GXR-4 Meas	0.573	10.0	40.2	0.154	108	51.0	2	1.74	155	343	4.7	8	7.1	209	0.6	20.1	0.301	3.34	5.9	89	38.9	13.6	78
GXR-4 Cert	0.564	10.0	42.0	0.120	160	52.0	1.77	1.66	155	310	4.80	7.70	5.60	221	0.790	22.5	0.29	3.20	6.20	87.0	30.8	14.0	73.0
GXR-4 Meas	0.539	9.6	40.2	0.147	127	48.6	2	1.65	147	338	4.6	8	6.9	202	0.5	19.7	0.285	3.21	5.8	87	35.2	13.2	74
GXR-4 Cert	0.564	10.0	42.0	0.120	160	52.0	1.77	1.66	155	310	4.80	7.70	5.60	221	0.790	22.5	0.29	3.20	6.20	87.0	30.8	14.0	73.0
PTM-1a Meas																							
PTM-1a Cert																							
PTM-1a Meas																							
PTM-1a Cert																							
SDC-1 Meas	1.54	0.4	33.7	0.062	80.9	24.0		0.97	840		< 0.1	15	< 0.1	165	< 0.1	11.6	0.226	0.65	2.8	57	< 0.1		112
SDC-1 Cert	1.52	21.00	38.0	0.0690	127.00	25.00		1.02	880.00		0.54	17.00	3.00	180.00	1.20	12.00	0.606	0.70	3.10	102.00	0.80		103.00
SDC-1 Meas	1.53	0.3	33.0	0.060	78.6	23.8		0.98	803		< 0.1	15	< 0.1	161	< 0.1	12.1	0.252	0.66	2.9	57	< 0.1		111
SDC-1 Cert	1.52	21.00	38.0	0.0690	127.00	25.00		1.02	880.00		0.54	17.00	3.00	180.00	1.20	12.00	0.606	0.70	3.10	102.00	0.80		103.00
GXR-6 Meas	0.083	0.7	24.1	0.035	71.8	104	< 1	0.56	991	0.2	0.6	27	< 0.1	34	< 0.1	5.4		2.35	1.5	108	0.1	12.7	139
GXR-6 Cert	0.104	7.50	27.0	0.0350	90.0	101	0.0160	0.609	1010	2.40	3.60	27.6	1.70	35.0	0.485	5.30		2.20	1.54	186	1.90	14.0	118
GXR-6 Meas																							
GXR-6 Cert																							
CD-1 Meas																							
CD-1 Cert																							
CD-1 Meas																							
CD-1 Cert																							
GBW 07239 (NCS DC 70007) Meas																							
GBW 07239 (NCS DC 70007) Cert																							
Oreas 74a (Fusion) Meas																							
Oreas 74a (Fusion) Cert																							
OREAS 131a (Fusion) Meas																							
OREAS 131a (Fusion) Cert																							
OREAS 134b (Fusion) Meas																							
OREAS 134b (Fusion) Cert																							

Analyte Symbol	Na	Nb	Ni	P	Rb	Pb	S	Mg	Mn	Mo	Sb	Sc	Sn	Sr	Ta	Th	Ti	Tl	U	V	W	Y	Zn
Unit Symbol	%	ppm	ppm	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.1	0.1	0.001	0.1	0.1	1	0.01	1	0.1	0.1	1	0.1	1	0.1	0.1	0.001	0.05	0.1	4	0.1	0.1	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
MP-1b Meas																							
MP-1b Cert																							
MP-1b Meas																							
MP-1b Cert																							
OREAS 101b (Fusion) Meas																							
OREAS 101b (Fusion) Cert																							
DNC-1a Meas		1.5	260		3.0	5.5					0.6	32		142			0.297			144		15.9	71
DNC-1a Cert		3	247		5	6.3					0.96	31		144			0.29			148		18.0	70
DNC-1a Meas		1.6	269		3.1	5.2					0.7	33		139			0.311			145		16.7	72
DNC-1a Cert		3	247		5	6.3					0.96	31		144			0.29			148		18.0	70
CPB-2 Meas																							
CPB-2 Cert																							
CZN-4 Meas																							
CZN-4 Cert																							
SBC-1 Meas		11.9	82.1		110	34.8				2.1	0.9	20	2.8	164	0.8	15.8	0.454	0.92	5.8	205	1.3	30.6	199
SBC-1 Cert		15.3	82.8		147	35.0				2.4	1.01	20.0	3.3	178.0	1.10	15.8	0.51	0.89	5.76	220.0	1.60	36.5	186
SBC-1 Meas		12.7	88.0		122	36.8				2.3	1.0	22	3.1	178	0.8	16.7	0.505	0.96	6.1	214	1.6	32.9	219
SBC-1 Cert		15.3	82.8		147	35.0				2.4	1.01	20.0	3.3	178.0	1.10	15.8	0.51	0.89	5.76	220.0	1.60	36.5	186
Arsenic (III) Oxide Meas																							
Arsenic (III) Oxide Cert																							
OREAS 45d (4-Acid) Meas	0.094	0.3	242	0.039	39.5	20.9	< 1	0.20	486	0.2	< 0.1	56	< 0.1	31	< 0.1	15.3	0.173	0.26	2.8	89	0.1	11.5	50
OREAS 45d (4-Acid) Cert	0.101	14.50	231.0	0.042	42.1	21.8	0.049	0.245	490.000	2.500	0.82	49.30	2.78	31.30	1.02	14.5	0.773	0.27	2.63	235.0	1.62	9.53	45.7
OREAS 45d (4-Acid) Meas	0.086	0.3	227	0.037	37.3	20.4	< 1	0.19	462	0.2	< 0.1	52	0.1	28	< 0.1	14.6	0.192	0.25	2.9	95	0.1	10.6	46
OREAS 45d (4-Acid) Cert	0.101	14.50	231.0	0.042	42.1	21.8	0.049	0.245	490.000	2.500	0.82	49.30	2.78	31.30	1.02	14.5	0.773	0.27	2.63	235.0	1.62	9.53	45.7
SdAR-M2 (U.S.G.S.) Meas		13.6	46.5		81.1	783				13.1		4		134	0.7	14.7			2.6	24	1.5	25.4	838
SdAR-M2 (U.S.G.S.) Cert		26.2	48.8		149	808				13.3		4.1		144	1.8	14.2			2.53	25.2	2.8	32.7	760
OREAS 922 (Peroxide Fusion) Meas																							
OREAS 922 (Peroxide Fusion) Cert																							
OREAS 621 (Peroxide Fusion) Meas																							
OREAS 621																							

Analyte Symbol	Na	Nb	Ni	P	Rb	Pb	S	Mg	Mn	Mo	Sb	Sc	Sn	Sr	Ta	Th	Ti	Tl	U	V	W	Y	Zn
Unit Symbol	%	ppm	ppm	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.1	0.1	0.001	0.1	0.1	1	0.01	1	0.1	0.1	1	0.1	1	0.1	0.1	0.001	0.05	0.1	4	0.1	0.1	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
(Peroxide Fusion) Cert																							
67036 Orig	0.333	0.4	171	0.007	11.3	0.8	1	2.30	816	13.6	6.4	6	< 0.1	187	< 0.1	< 0.1	0.071	0.05	< 0.1	75	0.2	5.5	17
67036 Dup	0.318	0.4	166	0.007	11.1	0.7	1	2.28	807	14.0	6.8	6	< 0.1	185	< 0.1	< 0.1	0.068	< 0.05	< 0.1	73	0.2	5.4	16
66950 Orig	2.74	5.5	3170	0.046	16.0	9.6	> 10.0	1.61	435	15.0	0.8	22	0.8	65	0.4	3.1	0.424	0.32	5.0	288	1.1	15.8	83
66950 Dup	2.70	5.3	3090	0.044	15.6	9.3	> 10.0	1.53	417	13.5	1.1	21	0.8	64	0.3	3.1	0.408	0.31	5.1	276	1.1	15.3	82
66952 Orig	0.962	3.8	139	0.087	16.3	23.3	3	2.09	1370	8.5	1.0	18	0.8	72	0.2	1.1	0.326	0.48	1.5	140	0.9	13.8	736
66952 Dup	0.980	3.8	140	0.088	17.1	23.3	4	2.10	1360	8.6	1.0	18	0.8	73	0.2	1.1	0.331	0.48	1.5	142	0.9	14.2	747
66979 Orig	0.013	0.1	5.5	0.001	5.6	13.9	< 1	0.01	50	26.0	11.1	< 1	0.3	4	< 0.1	0.2	0.013	< 0.05	< 0.1	5	0.7	0.6	90
66979 Dup	0.014	0.1	5.1	0.001	5.6	14.2	< 1	0.01	49	24.5	14.7	< 1	0.3	4	< 0.1	0.2	0.013	< 0.05	< 0.1	< 4	0.8	0.6	95
66657 Orig	0.619	4.2	1710	0.053	6.6	198	> 10.0	0.60	411	47.2	6.0	20	9.4	193	0.3	1.4	0.334	1.11	8.1	390	1.7	17.4	> 10000
66657 Dup	0.621	4.2	1730	0.055	6.7	197	> 10.0	0.62	417	47.9	6.8	20	9.7	201	0.3	1.4	0.354	1.12	9.7	403	1.8	17.4	> 10000
66672 Orig																							
66672 Dup																							
66675 Orig	2.92	9.0	2.6	0.013	76.5	17.3	< 1	0.02	99	12.8	0.3	3	4.0	53	0.2	16.7	0.025	0.48	3.4	< 4	2.0	13.6	4
66675 Dup	2.84	7.6	2.5	0.013	77.2	17.2	< 1	0.02	86	12.4	0.3	3	3.8	51	0.1	16.1	0.025	0.46	3.4	< 4	2.3	13.8	4
66430 Orig	1.63	0.7	31.8	0.040	0.1	2.8	2	2.17	1370	5.5	1.1	40	0.3	110	< 0.1	< 0.1	0.239	< 0.05	< 0.1	275	0.2	11.1	157
66430 Dup	1.71	0.7	31.3	0.039	0.3	3.0	2	2.24	1340	5.5	0.9	45	0.3	115	< 0.1	< 0.1	0.240	< 0.05	< 0.1	276	0.2	13.2	149
Method Blank	< 0.001	< 0.1	< 0.1	0.001	< 0.1	< 0.1	< 1	< 0.01	11	< 0.1	< 0.1	< 1	< 0.1	< 1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.1	< 4	0.2	< 0.1	< 1
Method Blank	< 0.001	< 0.1	< 0.1	0.001	< 0.1	< 0.1	< 1	< 0.01	4	< 0.1	< 0.1	< 1	< 0.1	< 1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.1	< 4	< 0.1	< 0.1	< 1
Method Blank	< 0.001	< 0.1	< 0.1	< 0.001	< 0.1	< 0.1	< 1	< 0.01	8	< 0.1	< 0.1	< 1	< 0.1	< 1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.1	< 4	< 0.1	< 0.1	< 1
Method Blank	< 0.001	< 0.1	< 0.1	< 0.001	< 0.1	< 0.1	< 1	< 0.01	5	< 0.1	< 0.1	< 1	< 0.1	< 1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.1	< 4	< 0.1	< 0.1	< 1
Method Blank	< 0.001	< 0.1	< 0.1	< 0.001	< 0.1	< 0.1	< 1	< 0.01	5	< 0.1	< 0.1	< 1	< 0.1	< 1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.1	< 4	< 0.1	< 0.1	< 1
Method Blank	< 0.001	< 0.1	< 0.1	< 0.001	< 0.1	< 0.1	< 1	< 0.01	6	< 0.1	< 0.1	< 1	< 0.1	< 1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.1	< 4	< 0.1	< 0.1	< 1
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							

Analyte Symbol	Zr
Unit Symbol	ppm
Lower Limit	0.1
Method Code	TD-MS
GXR-1 Meas	20.2
GXR-1 Cert	38.0
GXR-1 Meas	18.8
GXR-1 Cert	38.0
DH-1a Meas	
DH-1a Cert	
DH-1a Meas	
DH-1a Cert	
GXR-4 Meas	44.6
GXR-4 Cert	186
GXR-4 Meas	43.5
GXR-4 Cert	186
PTM-1a Meas	
PTM-1a Cert	
PTM-1a Meas	
PTM-1a Cert	
SDC-1 Meas	43.7
SDC-1 Cert	290.00
SDC-1 Meas	37.0
SDC-1 Cert	290.00
GXR-6 Meas	66.1
GXR-6 Cert	110
GXR-6 Meas	
GXR-6 Cert	
CD-1 Meas	
CD-1 Cert	
CD-1 Meas	
CD-1 Cert	
GBW 07239 (NCS DC 70007) Meas	
GBW 07239 (NCS DC 70007) Cert	
Oreas 74a (Fusion) Meas	
Oreas 74a (Fusion) Cert	
OREAS 131a (Fusion) Meas	
OREAS 131a (Fusion) Cert	
OREAS 134b (Fusion) Meas	
OREAS 134b (Fusion) Cert	

Analyte Symbol	Zr
Unit Symbol	ppm
Lower Limit	0.1
Method Code	TD-MS
MP-1b Meas	
MP-1b Cert	
MP-1b Meas	
MP-1b Cert	
OREAS 101b (Fusion) Meas	
OREAS 101b (Fusion) Cert	
DNC-1a Meas	40.6
DNC-1a Cert	38.0
DNC-1a Meas	41.0
DNC-1a Cert	38.0
CPB-2 Meas	
CPB-2 Cert	
CZN-4 Meas	
CZN-4 Cert	
SBC-1 Meas	122
SBC-1 Cert	134.0
SBC-1 Meas	134
SBC-1 Cert	134.0
Arsenic (III) Oxide Meas	
Arsenic (III) Oxide Cert	
OREAS 45d (4-Acid) Meas	63.4
OREAS 45d (4-Acid) Cert	141
OREAS 45d (4-Acid) Meas	73.0
OREAS 45d (4-Acid) Cert	141
SdAR-M2 (U.S.G.S.) Meas	134
SdAR-M2 (U.S.G.S.) Cert	259
OREAS 922 (Peroxide Fusion) Meas	
OREAS 922 (Peroxide Fusion) Cert	
OREAS 621 (Peroxide Fusion) Meas	
OREAS 621	

Analyte Symbol	Zr
Unit Symbol	ppm
Lower Limit	0.1
Method Code	TD-MS
(Peroxide Fusion) Cert	
67036 Orig	5.3
67036 Dup	5.0
66950 Orig	80.9
66950 Dup	77.7
66952 Orig	69.2
66952 Dup	70.5
66979 Orig	7.6
66979 Dup	7.1
66657 Orig	70.5
66657 Dup	69.3
66672 Orig	
66672 Dup	
66675 Orig	68.7
66675 Dup	56.3
66430 Orig	8.6
66430 Dup	7.8
Method Blank	< 0.1
Method Blank	< 0.1
Method Blank	< 0.1
Method Blank	0.2
Method Blank	0.1
Method Blank	< 0.1
Method Blank	
Method Blank	
Method Blank	
Method Blank	
Method Blank	
Method Blank	
Method Blank	
Method Blank	

Quality Analysis ... *Innovative Technologies*

Date Submitted: 11-Aug-17
Invoice No.: A17-08534
Invoice Date: 22-Sep-17
Your Reference: QIQAVIK

Royal Nickel Corporation
220 Bay Street
Suite 1200
Toronto Ontario M5J 2W4
Canada

ATTN: MICHELLE SCIORTINO

CERTIFICATE OF ANALYSIS

281 Till samples were submitted for analysis.

The following analytical package(s) were requested: Code 1A2 Au - Fire Assay AA

Code ME-MS61 Total Digestion ICP & ICP/MS

REPORT **A17-08534**

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

Values which exceed the upper limit should be assayed for accurate numbers.

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
41 Bittern Street, Ancaster, Ontario, Canada, L9G 4V5
TELEPHONE +905 648-9611 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Ancaster@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg
Unit Symbol	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%
Lower Limit	5	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01
Method Code	FA-AA	TD-MS	TD-ICP	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP
402501	15	< 0.01	6.33	22.0	390	1.55	0.19	1.92	0.21	64.7	60.8	698	2.76	120	7.25	16.6	< 0.05	2.0	0.055	1.10	29.5	29.5	5.05
402502	26	< 0.01	7.08	8.0	520	1.80	0.15	2.52	0.07	72.9	29.9	197	1.98	82.4	5.93	17.0	< 0.05	3.1	0.060	1.49	36.1	28.3	2.43
402503	16	< 0.01	6.45	10.6	400	1.60	0.18	2.88	0.15	80.0	39.4	437	1.55	109	6.65	16.3	< 0.05	2.6	0.050	1.18	38.3	24.2	3.98
402504	5	< 0.01	6.76	3.6	510	1.70	0.11	2.16	0.10	65.8	20.3	132	1.53	35.5	4.79	17.9	< 0.05	3.9	0.050	1.61	29.8	24.4	1.66
402505	20	< 0.01	6.98	21.5	510	1.70	0.33	2.47	0.12	71.1	26.8	173	1.50	92.3	5.40	17.5	< 0.05	3.5	0.060	1.47	32.9	24.1	1.99
402506	23	< 0.01	6.66	12.8	480	1.60	0.14	2.71	0.18	77.0	24.2	164	1.31	59.1	4.98	17.1	< 0.05	4.1	0.070	1.47	34.2	21.5	1.71
402507	6	< 0.01	6.31	4.9	530	1.70	0.10	2.06	0.17	59.6	16.9	178	1.71	35.7	4.50	15.8	< 0.05	3.8	0.040	1.95	28.5	24.1	1.40
402509	13	< 0.01	6.35	5.0	530	1.80	0.11	2.21	0.16	57.0	22.9	175	1.64	46.7	4.75	17.5	< 0.05	4.2	0.060	1.53	26.7	25.7	1.78
402510	33	< 0.01	6.54	9.7	530	1.80	0.14	2.47	0.19	61.6	30.6	242	1.33	64.5	5.29	19.7	0.10	4.7	0.040	1.84	25.0	22.7	2.21
402511	5	< 0.01	7.01	4.1	570	1.90	0.10	2.13	0.14	67.4	22.2	178	1.92	51.4	5.22	18.4	< 0.05	3.9	0.050	1.37	33.2	27.4	1.97
402512	6	< 0.01	7.03	5.5	570	1.90	0.11	2.07	0.20	80.4	29.3	185	2.32	64.3	5.82	18.8	< 0.05	3.1	0.050	1.67	38.6	31.9	2.36
402513	10	< 0.01	6.77	9.8	510	1.60	0.16	2.34	0.23	70.1	40.1	242	2.02	94.3	5.89	17.1	< 0.05	2.1	0.060	1.51	33.8	24.9	3.01
402514	5	< 0.01	6.41	3.5	400	1.40	0.11	2.54	0.12	56.7	43.1	473	3.11	67.8	6.53	16.3	< 0.05	1.7	0.050	1.18	28.0	26.3	4.95
402515	11	< 0.01	6.87	4.7	490	1.70	0.11	2.71	0.10	66.6	33.3	283	2.02	81.5	6.07	16.8	< 0.05	1.8	0.050	1.46	30.2	25.9	3.33
402516	< 5	< 0.01	5.01	1.6	160	0.70	0.09	4.97	0.10	21.6	75.0	898	2.60	144	7.68	12.4	0.20	1.6	0.050	0.58	10.9	33.6	9.09
402517	< 5	< 0.01	4.67	< 0.2	130	0.60	0.08	4.90	0.06	14.6	85.6	920	4.43	133	7.68	13.6	0.30	1.1	0.040	1.52	6.1	42.0	9.12
402518	55	< 0.01	6.44	9.4	430	1.70	0.12	2.40	0.21	59.6	40.2	399	3.38	149	6.09	16.0	< 0.05	2.6	0.050	1.43	28.2	24.8	4.01
402519	17	< 0.01	7.16	40.2	560	1.80	0.17	2.13	0.19	77.6	28.7	137	2.82	144	6.59	18.3	< 0.05	3.0	0.050	1.65	41.0	32.2	2.04
402520	< 5	< 0.01	5.94	< 0.2	410	1.20	0.05	2.14	0.04	20.9	6.1	54	0.74	4.0	1.61	12.9	< 0.05	1.8	0.010	1.24	8.8	7.4	0.56
402521	12	< 0.01	6.57	13.2	390	1.20	0.12	3.74	0.07	39.0	27.0	444	0.85	67.0	5.15	13.7	< 0.05	3.1	0.040	1.06	18.7	11.6	2.93
402522	6	< 0.01	6.77	8.8	520	1.90	0.12	2.49	0.08	74.8	23.5	124	1.60	61.2	4.88	16.7	< 0.05	3.7	0.060	1.61	32.4	23.4	1.69
402523	44	< 0.01	7.28	21.8	580	1.90	0.20	2.41	0.17	90.6	28.8	114	2.25	109	5.83	18.3	< 0.05	3.3	0.060	1.65	42.2	29.0	1.94
402524	15	< 0.01	7.17	49.4	570	1.90	0.26	2.14	0.07	66.4	26.8	102	2.08	111	5.74	18.2	< 0.05	3.3	0.050	1.64	28.5	27.5	1.86
402525	60	< 0.01	7.20	24.0	530	1.90	0.16	2.63	0.09	76.0	28.9	115	1.54	111	5.40	17.8	< 0.05	3.3	0.050	1.47	33.6	22.6	1.85
402526	32	< 0.01	7.11	35.1	540	1.80	0.21	2.19	0.08	85.3	33.1	140	2.12	178	5.95	17.0	< 0.05	2.7	0.060	1.53	34.2	28.0	2.06
402527	26	< 0.01	7.31	22.4	570	1.80	0.26	2.34	0.14	77.6	26.9	149	2.20	195	5.81	18.0	< 0.05	2.6	0.060	1.65	36.4	28.6	2.02
402528	15	< 0.01	7.08	11.2	560	1.80	0.10	2.45	0.11	82.1	22.5	113	1.74	88.6	5.02	17.0	< 0.05	3.3	0.060	1.60	37.6	24.4	1.67
402529	25	< 0.01	7.13	9.9	570	1.70	0.16	2.45	0.18	78.6	29.6	114	1.84	155	5.07	17.0	< 0.05	3.0	0.050	1.62	37.7	25.6	1.73
402530	< 5	< 0.01	6.90	1.2	560	1.80	0.10	2.52	0.13	90.0	20.6	102	1.57	47.6	4.68	16.6	< 0.05	3.1	0.040	1.58	39.9	24.1	1.62
402531	< 5	< 0.01	6.47	1.1	500	1.50	0.11	2.41	0.05	52.1	14.1	118	1.16	26.5	3.98	16.0	< 0.05	4.8	0.040	1.43	22.5	19.0	1.29
402532	< 5	< 0.01	7.00	3.7	560	1.80	0.09	2.56	0.13	82.3	22.3	111	1.69	53.0	4.85	16.9	< 0.05	3.7	0.060	1.69	37.4	24.3	1.70
402533	6	< 0.01	7.11	8.1	560	2.00	0.13	2.58	0.10	97.1	27.7	121	1.78	84.8	5.47	17.4	< 0.05	3.2	0.050	1.49	39.2	26.0	1.84
402534	< 5	< 0.01	6.66	5.1	530	1.80	0.09	2.72	0.08	80.7	20.0	115	1.45	55.6	4.71	15.9	< 0.05	2.4	0.060	1.50	40.2	21.6	1.54
402535	< 5	< 0.01	6.77	6.7	510	1.80	0.10	2.65	0.06	69.3	20.9	105	1.39	72.8	4.76	16.5	< 0.05	3.4	0.050	1.43	30.6	21.7	1.57
402536	11	< 0.01	7.06	4.5	520	1.70	0.10	2.59	0.09	73.0	23.4	121	1.62	82.3	5.16	16.8	< 0.05	3.2	0.050	1.50	32.4	23.3	1.81
402537	< 5	< 0.01	7.06	1.2	560	1.90	0.09	2.71	0.17	83.6	18.8	103	1.59	39.4	4.86	17.2	< 0.05	3.2	0.050	1.57	39.1	23.1	1.61
402538	< 5	< 0.01	6.79	1.7	550	1.90	0.10	2.47	0.11	82.3	23.7	102	1.74	66.8	4.91	17.5	< 0.05	2.9	0.050	1.54	38.6	24.7	1.59
402539	< 5	< 0.01	6.50	7.4	520	1.90	0.11	2.51	0.10	79.3	22.1	126	1.53	76.4	4.45	16.0	< 0.05	2.4	0.060	1.49	38.0	22.7	1.47
402540	428	0.07	6.48	35.3	2690	3.50	5.55	0.64	0.36	71.5	14.8	23	6.74	1510	4.06	11.5	< 0.05	7.2	0.600	2.92	32.1	21.6	0.27
402541	10	< 0.01	6.63	3.1	530	1.90	0.09	2.81	0.21	84.4	20.1	101	1.27	114	4.34	16.5	< 0.05	3.9	0.050	1.50	39.8	20.5	1.45
402542	5	< 0.01	6.95	3.4	550	1.95	0.10	2.53	0.19	87.7	21.5	101	1.70	69.9	4.79	17.2	< 0.05	2.7	0.055	1.62	41.1	24.3	1.59
402543	< 5	< 0.01	7.10	3.1	580	1.90	0.29	2.32	0.23	78.1	22.2	105	2.14	121	5.30	18.2	< 0.05	2.6	0.050	1.77	38.1	27.8	1.73

Analyte Symbol	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg
Unit Symbol	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%
Lower Limit	5	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01
Method Code	FA-AA	TD-MS	TD-ICP	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP
402544	< 5	< 0.01	6.95	1.7	560	2.00	0.11	2.25	0.13	84.6	22.0	100	1.91	50.5	4.75	17.4	< 0.05	2.6	0.050	1.56	38.9	27.1	1.62
402545	< 5	< 0.01	6.79	2.5	570	2.10	0.10	2.30	0.17	84.7	20.5	104	1.97	61.1	4.69	16.5	< 0.05	2.8	0.050	1.61	41.2	27.6	1.60
402546	< 5	< 0.01	6.52	3.2	530	1.90	0.10	2.36	0.10	90.4	19.9	98	1.88	63.5	4.54	17.2	< 0.05	3.5	0.050	1.52	42.9	26.6	1.53
402547	6	< 0.01	6.68	8.4	570	2.20	0.13	2.30	0.07	95.1	41.8	108	2.06	164	4.71	17.0	< 0.05	4.0	0.050	1.62	52.5	28.1	1.48
402548	126	0.09	6.73	182	500	1.60	0.51	2.48	0.15	74.9	53.6	103	1.81	465	6.66	17.1	< 0.05	3.3	0.060	1.51	31.0	24.1	1.70
402549	55	< 0.01	5.85	55.5	420	1.40	0.27	3.02	0.10	41.9	31.6	134	1.04	182	5.29	17.6	< 0.05	4.4	0.060	1.15	17.7	19.2	1.75
402550	12	< 0.01	7.10	25.3	570	2.00	0.18	2.21	0.17	72.6	36.3	126	2.15	482	4.95	18.1	< 0.05	3.6	0.070	1.54	36.7	30.1	1.83
402551	< 5	< 0.01	7.02	3.2	540	2.00	0.12	1.92	0.09	63.3	19.6	131	2.05	70.2	5.08	18.5	< 0.05	3.7	0.050	1.54	29.6	29.8	1.69
402552	7	< 0.01	7.05	5.7	560	2.20	0.14	2.04	0.11	77.4	24.4	103	2.56	92.2	5.39	17.5	< 0.05	2.0	0.060	1.62	37.1	33.6	1.86
402553	13	< 0.01	7.11	6.7	470	1.70	0.20	2.68	0.09	62.2	24.6	114	1.48	123	5.37	17.6	< 0.05	2.6	0.050	1.31	28.2	24.8	1.94
402554	< 5	< 0.01	6.73	2.1	510	1.80	0.11	2.28	0.06	61.7	16.7	139	1.43	147	4.51	16.4	< 0.05	3.5	0.060	1.41	31.6	23.5	1.54
402555	7	< 0.01	6.93	7.3	490	1.70	0.14	2.73	0.09	80.6	25.3	100	1.35	118	4.80	17.0	< 0.05	2.8	0.060	1.33	37.6	20.4	1.63
402556	< 5	< 0.01	6.89	12.5	560	1.90	0.12	2.31	0.21	71.6	24.0	147	2.15	97.6	5.39	18.2	< 0.05	3.9	0.050	1.75	36.0	28.0	1.80
402557	7	< 0.01	7.06	4.9	460	1.70	0.18	2.83	0.07	74.4	26.8	105	1.41	88.2	5.46	17.7	< 0.05	2.5	0.060	1.30	33.9	21.8	1.87
402558	11	< 0.01	7.22	19.0	430	1.60	0.20	2.68	0.22	64.1	44.2	216	2.01	143	7.24	18.8	< 0.05	1.9	0.070	1.39	28.4	27.7	2.74
402559	14	< 0.01	5.91	78.7	280	1.30	0.19	2.34	0.62	41.4	56.7	760	3.09	159	7.28	17.2	0.30	3.0	0.070	0.84	18.3	22.5	5.38
402560	16	< 0.01	6.14	67.7	280	1.20	0.19	2.35	0.60	44.8	58.8	740	3.47	171	7.55	17.0	< 0.05	2.4	0.070	0.88	21.2	22.7	5.49
402561	< 5	< 0.01	6.96	1.7	560	2.10	0.10	2.27	0.07	86.1	21.8	118	1.96	34.8	4.78	18.0	< 0.05	3.4	0.050	1.68	38.7	29.1	1.76
402562	< 5	< 0.01	6.74	1.8	520	1.80	0.11	2.56	0.07	87.6	22.4	120	1.64	38.0	4.61	17.9	< 0.05	3.1	0.050	1.48	41.0	24.3	1.72
403001	< 5	< 0.01	7.08	4.8	410	1.40	0.13	3.08	0.12	58.5	24.6	108	0.95	56.8	5.41	17.4	< 0.05	2.0	0.060	1.10	26.2	17.1	2.01
403002	10	< 0.01	6.66	75.7	420	1.40	0.14	2.55	0.10	46.8	24.7	147	1.44	77.2	5.33	16.2	< 0.05	2.6	0.050	1.17	20.5	19.2	1.82
403003	7	< 0.01	6.64	22.3	450	1.30	0.11	2.89	0.12	64.8	22.6	109	1.09	55.0	4.95	16.5	< 0.05	3.0	0.060	1.25	28.6	17.5	1.61
403004	9	< 0.01	6.70	26.4	470	1.40	0.15	2.60	0.12	73.9	28.9	143	1.36	79.0	5.06	15.2	< 0.05	3.3	0.050	1.33	32.7	18.6	1.71
403005	8	< 0.01	6.48	6.6	440	1.30	0.11	3.09	0.11	66.6	20.5	115	0.74	75.5	4.42	15.7	< 0.05	3.4	0.050	1.21	30.8	14.3	1.57
403006	< 5	< 0.01	6.77	8.9	450	1.40	0.11	2.59	0.10	56.5	21.0	136	1.30	40.6	4.99	16.3	< 0.05	3.0	0.050	1.24	22.8	19.0	1.74
403007	6	< 0.01	6.96	8.2	500	1.50	0.13	2.75	0.09	65.2	22.4	125	1.42	48.0	5.02	16.7	< 0.05	2.4	0.060	1.44	29.0	19.6	1.97
403008	13	< 0.01	7.00	16.5	600	1.70	0.27	2.23	0.08	98.0	29.7	388	2.72	48.8	5.66	18.4	< 0.05	3.6	0.070	1.78	45.7	26.6	2.76
403009	9	< 0.01	7.03	8.8	490	1.50	0.15	2.90	0.12	64.8	23.7	201	1.41	46.0	5.21	16.1	< 0.05	3.3	0.060	1.55	31.0	19.2	2.18
403010	< 5	< 0.01	7.22	7.6	450	1.50	0.14	3.21	0.07	52.8	23.9	167	1.22	46.8	5.33	16.8	< 0.05	2.8	0.050	1.25	24.6	18.0	2.17
403011	7	< 0.01	7.18	6.8	530	1.80	0.71	2.44	0.19	69.1	25.1	112	1.86	62.3	5.55	17.4	< 0.05	2.2	0.060	1.55	33.6	24.8	2.01
403012	7	< 0.01	6.92	5.3	460	1.40	0.13	3.06	0.14	64.5	24.8	148	1.31	50.0	5.23	17.0	< 0.05	2.4	0.060	1.30	28.6	19.5	2.06
403013	13	< 0.01	6.92	4.3	450	1.50	0.11	2.85	0.12	68.7	24.0	113	1.16	85.0	5.32	16.4	< 0.05	2.7	0.050	1.21	30.8	18.7	1.76
403014	41	< 0.01	6.94	30.4	430	1.40	0.81	3.05	0.13	70.6	23.3	125	1.02	78.7	5.38	16.4	< 0.05	2.7	0.050	1.17	31.1	17.3	1.85
403015	5	< 0.01	6.71	13.0	450	1.70	0.15	2.46	0.07	92.7	22.1	100	1.60	58.1	4.88	17.3	< 0.05	2.7	0.060	1.22	29.2	26.4	1.52
403016	6	< 0.01	6.82	7.0	400	1.40	0.15	3.01	0.10	66.6	23.8	124	1.18	73.8	5.30	16.6	< 0.05	1.9	0.050	1.05	23.8	19.5	1.97
403017	9	< 0.01	6.76	4.5	470	1.50	0.14	2.94	0.12	74.7	22.8	181	1.33	69.7	4.99	16.0	< 0.05	3.5	0.040	1.27	38.6	19.9	2.05
403018	7	< 0.01	6.80	2.5	450	1.40	0.12	3.09	0.13	59.7	21.4	134	0.99	48.9	4.86	15.6	< 0.05	2.7	0.050	1.21	26.5	15.7	1.94
403019	6	< 0.01	7.13	3.1	500	1.50	0.11	3.04	0.16	60.5	20.7	121	1.03	41.6	4.89	15.9	< 0.05	2.7	0.050	1.32	26.3	17.3	1.85
403020	26	< 0.01	7.58	6.8	200	0.90	0.32	0.21	0.08	35.9	28.0	555	3.83	383	14.5	21.2	0.20	1.6	0.080	0.40	15.8	22.6	0.25
403021	< 5	< 0.01	7.04	3.8	430	1.30	0.12	3.20	0.10	54.9	25.8	145	1.08	61.9	5.56	15.7	< 0.05	1.8	0.060	1.13	25.3	18.3	2.24
403022	7	< 0.01	7.00	8.5	440	1.30	0.15	2.91	0.12	60.8	29.8	165	1.37	157	5.89	17.1	< 0.05	2.1	0.050	1.19	28.3	20.9	2.46
403023	7	< 0.01	7.22	4.9	420	1.30	0.13	3.15	0.16	55.7	31.1	142	1.23	75.6	6.25	16.7	< 0.05	1.6	0.060	1.10	23.3	19.4	2.47

Analyte Symbol	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg
Unit Symbol	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%
Lower Limit	5	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01
Method Code	FA-AA	TD-MS	TD-ICP	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP
403024	5	< 0.01	7.31	4.5	420	1.30	0.14	3.26	0.13	53.9	29.2	141	1.18	85.3	6.28	17.5	< 0.05	1.4	0.050	1.11	23.9	19.1	2.51
403025	6	< 0.01	6.74	11.6	400	1.30	0.14	3.19	0.11	33.7	28.1	222	1.02	70.2	6.16	17.0	0.20	3.0	0.050	1.18	15.5	17.3	2.40
403026	7	< 0.01	6.87	1.8	580	2.10	0.11	2.35	0.17	98.4	19.8	105	1.88	45.8	4.92	17.3	< 0.05	4.1	0.050	1.74	48.0	29.5	1.54
403027	< 5	< 0.01	6.62	8.6	490	1.70	0.12	2.49	0.12	86.3	20.9	150	1.28	53.5	4.60	15.8	< 0.05	1.7	0.050	1.32	40.2	22.5	1.63
403028	8	< 0.01	6.63	4.4	530	2.10	0.12	2.58	0.10	86.8	17.8	93	1.54	77.7	5.72	16.9	< 0.05	1.3	0.060	1.31	42.7	23.8	1.44
403029	5	< 0.01	6.90	4.4	400	1.40	0.11	3.66	0.11	63.1	26.8	149	1.00	66.9	5.66	15.7	< 0.05	2.0	0.060	0.96	21.6	16.4	2.19
403030	6	< 0.01	6.60	8.4	490	1.70	0.13	2.59	0.18	89.2	23.8	146	1.71	66.3	5.36	16.1	< 0.05	2.8	0.060	1.28	39.2	23.7	1.83
403031	103	< 0.01	6.70	4.7	340	1.10	0.08	4.30	0.08	40.0	32.5	316	0.63	47.9	5.78	14.6	0.40	2.3	0.050	0.79	17.4	15.3	3.44
403032	< 5	< 0.01	6.59	4.3	400	1.40	0.09	3.44	0.10	57.2	27.5	249	0.91	51.5	5.31	15.1	0.10	3.2	0.050	1.02	24.4	17.3	2.67
403033	< 5	< 0.01	7.34	4.7	440	1.30	0.13	3.00	0.13	58.9	31.9	209	1.15	65.6	6.22	17.0	0.10	2.5	0.060	1.19	25.9	19.4	2.67
403034	< 5	< 0.01	6.98	3.3	520	1.50	0.14	2.57	0.19	75.7	25.2	146	1.80	59.6	5.46	16.5	< 0.05	2.9	0.050	1.49	36.0	23.6	2.05
403035	< 5	< 0.01	6.96	3.6	540	1.70	0.12	2.32	0.19	83.7	22.0	112	1.93	57.5	5.35	18.0	< 0.05	2.8	0.050	1.51	39.0	26.9	1.73
403036	5	< 0.01	6.54	8.0	350	1.20	0.12	3.84	0.10	44.4	38.3	498	0.79	66.4	6.06	14.8	0.10	2.5	0.050	0.86	16.5	14.9	3.45
403037	< 5	< 0.01	6.53	1.8	510	1.60	0.08	2.75	0.18	77.6	19.3	184	1.17	29.1	4.50	15.4	< 0.05	4.3	0.040	1.47	34.5	19.2	1.66
403038	< 5	< 0.01	7.12	3.8	600	1.90	0.11	2.30	0.06	78.9	24.4	166	2.24	59.5	5.55	16.5	< 0.05	2.7	0.040	1.67	38.6	29.1	2.16
403039	< 5	< 0.01	6.44	1.7	450	1.40	0.08	3.09	0.08	68.1	26.1	270	1.18	56.2	4.97	14.9	< 0.05	2.1	0.040	1.26	31.9	18.8	2.51
403040	< 5	< 0.01	8.78	3.0	160	1.00	0.34	0.35	0.06	47.8	7.1	101	6.22	32.3	6.62	26.1	< 0.05	2.1	0.070	0.47	21.2	39.1	0.34
403041	< 5	< 0.01	6.71	3.0	540	1.80	0.11	2.55	0.14	84.4	22.0	187	1.94	59.5	4.98	16.8	< 0.05	3.3	0.060	1.52	42.3	25.5	1.92
403042	6	< 0.01	6.23	8.6	350	1.20	0.10	3.76	0.16	47.7	39.8	580	1.14	81.5	6.14	14.0	0.40	2.4	0.050	0.92	18.1	18.0	3.85
403043	8	< 0.01	6.18	7.9	360	1.10	0.09	3.88	0.10	48.6	38.5	587	1.09	143	5.99	13.8	0.40	2.6	0.040	0.94	22.6	15.9	3.98
403044	< 5	< 0.01	6.55	4.1	480	1.50	0.08	3.01	0.07	78.8	23.9	313	1.19	43.1	4.88	14.9	< 0.05	3.8	0.030	1.34	36.7	19.9	2.40
403045	< 5	< 0.01	6.50	2.8	450	1.40	0.09	3.18	0.07	68.8	25.7	251	1.07	54.9	4.96	14.9	0.10	3.9	0.040	1.26	31.1	18.2	2.32
403046	< 5	< 0.01	6.89	2.3	530	1.90	0.10	2.66	0.14	82.1	23.7	180	1.65	64.4	5.12	17.0	< 0.05	2.8	0.050	1.49	39.6	24.4	2.06
403047	5	< 0.01	6.20	7.6	440	1.20	0.10	3.31	0.13	51.0	29.2	468	1.23	71.7	5.03	13.7	< 0.05	3.5	0.040	1.20	23.6	16.9	2.92
403048	8	< 0.01	6.76	2.5	450	1.50	0.11	3.43	0.16	63.5	24.6	296	1.01	66.0	5.14	14.8	< 0.05	3.1	0.060	1.19	28.8	16.4	2.52
403049	13	< 0.01	6.21	12.4	380	1.20	0.13	3.74	0.13	54.5	44.0	357	1.23	101	5.87	13.6	< 0.05	1.3	0.050	0.97	24.0	16.7	3.65
403050	5	< 0.01	6.03	13.1	370	1.20	0.12	3.72	0.16	44.4	45.5	530	1.13	107	5.81	13.0	0.10	2.1	0.040	0.95	22.7	16.1	3.84
403051	< 5	< 0.01	6.05	19.7	330	1.10	0.12	2.52	0.16	57.1	49.0	601	1.47	111	5.53	13.0	0.20	2.7	0.040	0.90	25.9	28.8	4.37
403052	7	< 0.01	6.29	12.8	350	1.25	0.13	3.01	0.10	51.7	43.8	525	1.32	90.1	5.74	13.7	0.30	2.9	0.040	0.97	20.5	24.9	4.13
403053	13	< 0.01	6.47	26.7	420	1.40	0.12	3.01	0.14	62.5	40.5	408	1.48	85.9	5.56	14.0	0.20	3.5	0.050	1.18	28.1	24.0	3.53
403054	< 5	< 0.01	6.62	5.7	530	2.00	0.12	2.09	0.13	81.1	21.7	147	2.26	52.0	4.94	16.1	< 0.05	3.6	0.040	1.46	39.3	25.4	1.71
403055	< 5	< 0.01	7.02	3.0	600	2.10	0.13	2.14	0.11	114	21.4	142	2.34	58.7	5.20	16.7	< 0.05	3.8	0.060	1.73	53.3	28.2	1.80
403056	< 5	< 0.01	6.84	0.8	580	2.30	0.10	2.10	0.12	85.8	16.2	75	1.88	48.5	4.19	16.0	< 0.05	1.1	0.050	1.67	39.6	25.6	1.40
403057	6	< 0.01	7.06	16.5	400	1.50	0.18	1.93	0.19	58.0	42.2	372	2.32	92.6	7.40	18.1	< 0.05	1.5	0.060	1.27	28.5	30.1	3.71
403058	< 5	< 0.01	6.61	5.7	450	1.60	0.15	2.31	0.14	64.2	26.5	221	1.66	69.1	5.52	17.3	< 0.05	2.5	0.060	1.33	29.4	24.8	2.34
403059	8	< 0.01	6.46	5.3	460	1.70	0.16	2.08	0.06	67.9	22.7	174	1.80	29.3	5.03	17.2	< 0.05	2.5	0.060	1.33	26.1	25.8	1.83
403060	7	< 0.01	6.58	4.8	470	1.60	0.16	2.16	0.06	67.7	22.1	168	1.80	29.6	5.12	17.5	< 0.05	2.6	0.050	1.38	25.9	26.1	1.86
403061	5	< 0.01	6.58	6.8	500	1.50	0.15	1.80	0.09	54.8	24.3	163	2.03	36.5	5.20	17.4	0.10	3.2	0.040	1.51	22.3	23.8	1.73
403062	10	< 0.01	6.60	4.7	500	1.70	0.14	2.35	0.15	69.5	19.3	146	1.59	45.3	4.75	16.6	< 0.05	3.0	0.055	1.47	34.2	22.8	1.70
403063	14	< 0.01	6.75	5.8	430	1.50	0.15	2.91	0.07	64.9	23.9	226	1.32	40.1	5.16	16.4	< 0.05	2.7	0.050	1.19	28.9	19.8	2.17
403064	6	< 0.01	6.43	3.8	480	1.45	0.11	2.58	0.05	56.1	22.4	229	1.48	39.0	5.00	16.4	< 0.05	3.4	0.055	1.32	26.4	21.0	2.05
403065	6	< 0.01	6.74	4.1	440	1.40	0.12	2.90	0.11	60.4	21.4	190	1.42	39.4	5.15	16.3	< 0.05	2.9	0.050	1.22	29.8	18.9	2.02

Analyte Symbol	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg
Unit Symbol	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%
Lower Limit	5	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01
Method Code	FA-AA	TD-MS	TD-ICP	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP
403066	< 5	< 0.01	6.81	7.9	500	1.50	0.10	2.38	0.11	64.7	18.7	142	1.45	27.6	4.88	16.3	< 0.05	3.0	0.050	1.42	28.6	22.1	1.73
403067	7	< 0.01	7.03	2.4	530	1.70	0.10	2.30	0.07	74.9	21.5	159	1.70	39.8	5.18	17.0	< 0.05	2.8	0.050	1.54	31.0	24.5	1.91
403068	< 5	< 0.01	7.03	2.3	530	1.70	0.10	2.42	0.15	69.7	21.8	147	1.61	60.2	5.08	16.7	< 0.05	2.9	0.060	1.55	32.4	22.3	1.93
403069	6	< 0.01	7.18	5.4	510	1.60	0.14	2.55	0.13	70.5	26.2	193	1.63	50.7	5.46	17.4	< 0.05	3.1	0.060	1.50	31.5	22.6	2.35
403070	6	< 0.01	6.68	3.4	530	1.60	0.10	2.25	0.08	73.1	17.0	139	1.53	30.0	4.41	16.2	0.10	4.2	0.050	1.54	35.0	21.2	1.52
403071	6	< 0.01	6.91	3.1	440	1.40	0.09	3.26	0.08	55.3	19.0	155	1.09	24.6	4.92	16.4	0.30	3.0	0.050	1.23	25.9	16.4	2.01
403072	< 5	< 0.01	7.19	5.5	560	1.80	0.14	1.86	0.18	80.1	24.7	189	2.56	55.7	5.74	18.6	< 0.05	3.4	0.070	1.49	41.0	29.2	1.95
403073	8	< 0.01	7.03	7.6	460	1.50	0.13	2.81	0.06	53.6	23.8	157	1.45	42.0	5.65	16.4	< 0.05	2.1	0.050	1.30	24.8	20.9	2.31
403074	12	< 0.01	6.67	7.9	400	1.20	0.12	3.37	0.05	46.3	20.3	224	0.88	29.0	5.04	15.8	< 0.05	3.3	0.040	1.11	21.4	14.7	2.08
403075	12	< 0.01	6.90	5.8	480	1.40	0.11	2.81	0.05	58.4	20.1	186	1.32	37.5	5.07	15.9	< 0.05	2.8	0.060	1.35	27.6	19.3	2.04
403076	5	< 0.01	6.80	8.0	510	1.50	0.12	2.60	0.19	67.7	25.0	153	1.58	51.1	5.31	16.5	< 0.05	2.6	0.050	1.53	31.1	23.0	2.06
403077	< 5	< 0.01	6.83	2.2	450	1.50	0.10	2.98	0.10	64.4	22.7	152	1.34	35.7	5.30	16.8	< 0.05	2.0	0.050	1.25	30.9	19.8	2.13
403078	< 5	< 0.01	6.72	1.4	530	1.60	0.10	1.97	0.07	77.5	17.9	162	1.98	34.6	4.74	16.6	< 0.05	2.1	0.040	1.56	42.2	24.6	1.69
403079	< 5	< 0.01	6.89	2.3	540	1.60	0.11	2.18	0.10	77.4	19.7	172	1.70	31.6	4.99	16.2	< 0.05	3.0	0.040	1.58	36.9	23.0	1.75
403080	< 5	< 0.01	8.94	5.4	160	1.00	0.35	0.35	0.05	49.2	7.3	119	6.31	31.5	6.75	26.4	0.30	3.2	0.080	0.47	22.2	37.8	0.34
403081	< 5	< 0.01	6.83	3.5	550	1.70	0.10	2.06	0.06	77.0	19.4	154	2.01	59.3	5.03	16.9	< 0.05	3.4	0.040	1.57	37.3	25.2	1.79
403082	< 5	< 0.01	6.98	3.4	570	1.90	0.12	2.07	0.06	84.1	20.5	130	1.99	37.3	5.02	16.8	0.10	4.0	0.040	1.64	39.5	26.7	1.79
403083	7	< 0.01	7.03	5.7	560	1.90	0.14	1.81	0.07	75.7	22.2	138	2.53	43.7	5.30	18.3	0.10	2.8	0.040	1.61	35.5	30.0	1.90
403084	< 5	< 0.01	7.05	1.2	580	1.90	0.10	1.93	0.06	79.5	20.2	105	1.97	32.0	4.95	17.5	< 0.05	2.4	0.040	1.66	36.6	26.6	1.73
403085	< 5	< 0.01	6.90	3.4	560	1.80	0.11	2.20	0.13	77.7	21.2	134	2.26	90.1	5.31	15.4	< 0.05	0.7	0.050	1.72	40.9	27.5	1.82
403086	< 5	< 0.01	7.18	1.0	590	1.80	0.09	2.17	0.08	73.8	18.6	118	1.96	50.3	5.00	16.4	< 0.05	2.6	0.050	1.71	35.2	27.0	1.76
403087	< 5	< 0.01	7.23	2.4	540	1.70	0.12	2.17	0.02	75.4	15.4	133	2.03	98.3	5.13	16.6	< 0.05	0.6	0.040	1.52	37.6	26.8	1.63
403088	< 5	< 0.01	6.61	1.7	510	1.70	0.09	2.27	0.16	68.1	19.0	147	1.66	40.8	4.74	15.4	< 0.05	2.0	0.050	1.52	31.5	24.5	1.61
403089	12	< 0.01	6.87	3.0	560	1.80	0.09	2.56	0.08	82.3	16.8	85	1.48	48.8	4.31	15.6	< 0.05	1.6	0.050	1.62	40.2	22.6	1.44
403090	13	< 0.01	6.98	3.9	560	2.20	0.09	2.43	0.06	78.1	18.4	93	2.02	66.8	4.87	15.9	< 0.05	2.1	0.050	1.66	38.0	26.8	1.63
403091	6	< 0.01	6.75	1.7	530	1.65	0.09	2.52	0.08	71.2	17.0	97	1.57	60.8	4.40	16.0	< 0.05	2.6	0.050	1.48	33.3	23.4	1.53
403092	17	< 0.01	6.98	9.0	590	1.80	0.86	2.60	0.26	90.1	18.4	62	1.53	98.1	4.41	15.5	< 0.05	2.2	0.050	1.67	47.4	24.5	1.39
403093	< 5	< 0.01	5.99	2.2	540	1.70	0.09	2.46	0.18	49.6	18.3	155	1.54	41.5	4.72	15.7	< 0.05	4.1	0.050	1.69	21.6	23.5	1.65
404001	21	< 0.01	6.68	3.2	470	1.30	0.10	1.86	0.15	64.9	18.8	151	1.32	34.8	5.01	15.6	< 0.05	2.9	0.050	1.45	29.1	19.8	1.61
404002	12	< 0.01	6.50	2.8	460	1.40	0.09	1.87	0.13	63.1	17.6	127	1.27	31.8	4.70	15.2	< 0.05	0.5	0.050	1.40	29.0	19.4	1.49
404003	35	< 0.01	6.73	4.5	450	1.50	0.11	1.74	0.15	67.0	23.0	108	1.40	45.9	5.32	16.0	< 0.05	0.4	0.050	1.45	29.4	20.4	1.66
404004	9	< 0.01	6.88	2.6	510	1.50	0.10	1.79	0.18	65.1	19.4	128	1.67	40.1	5.06	15.8	< 0.05	2.3	0.050	1.63	30.8	22.9	1.63
404005	6	< 0.01	6.69	3.2	480	1.50	0.09	1.77	0.13	62.7	18.6	144	1.40	33.9	5.00	15.4	< 0.05	2.2	0.060	1.55	28.7	20.5	1.59
404006	24	< 0.01	6.75	4.4	480	1.60	0.10	1.83	0.09	65.4	19.8	142	1.43	36.1	4.96	15.9	0.10	3.1	0.050	1.55	30.9	20.9	1.56
404007	13	< 0.01	6.93	7.6	480	1.50	0.12	1.82	0.16	68.4	21.0	196	1.60	45.4	5.44	16.2	0.30	4.3	0.050	1.47	32.6	22.1	1.71
404008	9	< 0.01	7.06	8.1	520	1.70	0.13	1.83	0.12	69.6	21.4	173	2.19	50.4	5.42	16.3	0.20	4.3	0.050	1.64	34.1	25.7	1.74
404009	17	< 0.01	7.35	14.0	550	1.80	0.15	1.70	0.29	72.4	32.1	207	2.30	82.8	7.04	17.0	< 0.05	4.0	0.060	1.71	33.9	26.9	2.11
404010	11	< 0.01	7.30	15.1	510	1.80	0.15	1.64	0.21	75.2	30.5	176	2.19	86.9	6.83	17.7	< 0.05	1.0	0.070	1.57	34.7	26.6	2.23
404011	11	< 0.01	6.61	18.5	480	1.60	0.15	1.78	0.18	56.1	29.5	253	2.14	79.5	6.62	17.8	< 0.05	4.1	0.070	1.28	26.6	26.1	2.11
404012	17	< 0.01	7.28	16.0	460	1.80	0.15	1.90	0.22	65.0	32.7	279	1.99	93.5	6.67	18.0	< 0.05	3.4	0.070	1.41	29.9	24.4	2.51
404013	9	< 0.01	7.05	6.6	440	1.70	0.14	2.00	0.16	73.1	35.4	200	1.71	79.0	6.20	17.7	< 0.05	1.0	0.050	1.33	31.8	22.9	2.32
404014	20	< 0.01	7.07	7.0	460	1.70	0.13	1.80	0.13	64.7	33.1	211	1.74	93.2	6.29	17.0	< 0.05	1.7	0.050	1.40	28.3	22.6	2.43

Analyte Symbol	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg
Unit Symbol	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%
Lower Limit	5	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01
Method Code	FA-AA	TD-MS	TD-ICP	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP
404015	16	< 0.01	6.91	7.1	530	1.60	0.13	1.83	0.29	69.7	29.0	160	1.69	100	5.48	15.9	< 0.05	2.5	0.040	1.68	31.2	22.5	1.92
404016	11	< 0.01	6.81	4.2	480	1.60	0.11	1.65	0.04	64.4	21.7	149	1.46	43.9	5.10	15.9	< 0.05	2.2	0.060	1.47	29.0	21.9	1.66
404017	30	< 0.01	7.30	18.6	490	1.70	0.15	1.83	0.15	73.2	32.8	210	1.75	72.9	6.17	17.1	0.20	3.7	0.050	1.50	32.1	23.1	2.08
404018	11	< 0.01	6.61	11.1	460	1.50	0.12	1.77	0.16	65.5	27.7	242	1.53	59.7	5.55	16.5	0.30	4.1	0.050	1.50	30.3	21.8	2.04
404019	7	< 0.01	6.82	10.1	470	1.40	0.09	1.80	0.11	57.7	23.0	198	1.56	54.9	5.44	16.4	0.50	3.7	0.050	1.50	27.9	22.1	1.91
404020	< 5	< 0.01	5.99	< 0.2	400	1.20	0.05	2.13	0.03	25.5	5.4	76	0.69	5.0	1.59	12.5	0.20	1.0	0.010	1.23	10.8	7.4	0.55
404021	6	< 0.01	6.57	2.6	510	1.60	0.09	1.82	0.06	64.7	16.5	145	1.52	31.0	4.53	16.3	< 0.05	2.8	0.050	1.61	28.1	22.4	1.33
404022	< 5	< 0.01	6.18	3.6	520	1.50	0.08	1.90	0.09	62.6	16.4	166	1.57	31.9	4.34	14.6	< 0.05	4.4	0.030	1.66	29.1	23.0	1.33
404023	< 5	< 0.01	6.85	6.7	550	1.70	0.10	1.88	0.15	77.8	21.7	139	1.85	45.7	4.87	16.1	< 0.05	2.0	0.060	1.80	37.3	24.2	1.53
404024	< 5	< 0.01	6.93	4.0	550	1.70	0.12	1.83	0.11	71.7	19.5	152	1.99	45.3	5.05	16.3	< 0.05	2.4	0.060	1.73	31.5	24.2	1.52
404025	5	< 0.01	6.68	3.1	420	1.30	0.08	2.12	0.17	62.1	25.7	202	1.34	59.3	5.52	16.2	< 0.05	2.1	0.070	1.20	26.9	17.9	2.12
404026	17	< 0.01	7.00	12.3	440	1.50	0.12	1.67	0.17	66.7	27.7	209	1.36	57.7	5.88	17.6	0.30	3.5	0.060	1.38	30.4	20.3	2.17
404027	12	< 0.01	7.23	12.8	450	1.60	0.13	1.83	0.18	65.2	34.5	214	1.65	78.4	6.41	18.2	0.20	3.9	0.050	1.39	27.6	21.8	2.23
404028	13	< 0.01	6.98	6.5	420	1.40	0.10	1.83	0.17	63.5	29.1	205	1.27	57.9	5.75	17.8	0.40	3.5	0.050	1.38	26.2	18.3	1.96
404029	5	< 0.01	7.18	3.9	460	1.60	0.11	1.85	0.17	70.0	25.1	187	1.43	55.4	5.67	17.2	0.10	2.6	0.060	1.36	30.9	20.1	1.79
404030	8	< 0.01	6.94	3.2	440	1.50	0.10	1.96	0.11	71.7	27.2	163	1.44	49.6	5.72	16.3	< 0.05	2.1	0.060	1.31	30.4	20.3	1.95
404031	10	< 0.01	7.63	13.9	560	1.90	0.17	1.41	0.15	64.8	25.5	158	2.67	74.9	6.69	18.8	< 0.05	1.3	0.060	1.75	33.6	30.0	2.11
404032	22	< 0.01	6.75	1.7	480	1.60	0.10	1.75	0.17	69.4	20.9	123	1.53	61.0	5.09	16.6	< 0.05	1.4	0.050	1.55	31.0	21.1	1.60
404033	62	< 0.01	6.51	2.3	460	1.60	0.09	1.86	0.15	74.8	17.3	134	1.26	31.1	4.75	15.9	< 0.05	2.2	0.050	1.47	33.4	18.9	1.48
404034	9	< 0.01	6.76	2.1	490	1.60	0.11	1.82	0.16	69.8	19.8	158	1.64	41.3	4.87	16.2	< 0.05	2.6	0.040	1.50	32.8	22.4	1.56
404035	22	< 0.01	6.70	2.2	470	1.50	0.10	1.84	0.04	65.5	19.0	152	1.51	40.4	4.79	16.6	< 0.05	2.3	0.060	1.46	30.8	20.4	1.57
404036	27	< 0.01	6.88	7.2	470	1.60	0.10	1.65	0.10	68.8	22.8	171	1.53	47.1	5.58	17.2	0.10	3.1	0.050	1.47	31.4	21.3	1.71
404037	21	< 0.01	6.89	5.8	520	1.50	0.10	1.75	0.15	68.3	21.0	163	1.75	45.6	5.08	16.0	0.20	3.6	0.050	1.67	30.8	23.5	1.74
404038	5	< 0.01	6.72	4.3	510	1.50	0.11	1.82	0.10	68.5	20.9	137	1.59	44.8	4.96	16.0	< 0.05	1.3	0.050	1.61	31.8	22.6	1.64
404039	7	< 0.01	7.00	8.2	530	1.60	0.11	1.79	0.19	69.3	23.9	133	1.75	48.1	5.36	16.9	< 0.05	2.7	0.040	1.69	31.2	23.7	1.77
404040	< 5	< 0.01	5.74	< 0.2	400	1.50	0.06	2.08	< 0.02	19.0	5.6	79	0.71	3.2	1.55	12.5	0.10	2.2	0.020	1.18	7.9	7.1	0.53
404041	14	< 0.01	7.04	7.3	530	1.60	0.11	1.88	0.20	69.6	25.0	156	1.76	59.1	5.47	16.6	< 0.05	2.3	0.055	1.76	32.7	23.1	1.84
404042	11	< 0.01	6.85	7.4	540	1.70	0.12	1.86	0.24	69.7	24.9	199	2.19	65.6	5.53	16.6	< 0.05	2.0	0.050	1.78	33.2	26.4	1.89
404043	14	< 0.01	7.14	11.6	510	1.70	0.13	1.84	0.27	79.6	31.8	217	2.24	77.6	6.58	17.3	< 0.05	2.5	0.070	1.71	37.3	26.7	2.41
404044	11	< 0.01	6.35	4.4	460	1.50	0.10	2.00	0.13	70.3	19.8	168	1.31	36.5	4.82	15.5	< 0.05	2.5	0.050	1.46	32.5	19.8	1.64
404045	7	< 0.01	6.47	8.3	510	1.60	0.10	1.76	0.12	64.5	19.5	194	1.66	54.1	4.84	16.1	0.20	3.7	0.050	1.60	28.6	22.8	1.59
404046	30	< 0.01	6.66	24.9	420	1.40	0.13	2.05	0.24	58.2	37.3	322	1.90	84.8	7.01	17.1	0.40	3.6	0.060	1.42	26.6	22.5	2.96
404047	7	< 0.01	6.79	6.5	520	1.60	0.11	2.03	0.19	69.9	22.0	186	1.96	46.9	5.24	16.8	0.40	4.1	0.050	1.67	33.9	24.1	1.63
404048	5	< 0.01	6.95	3.4	500	1.60	0.11	2.16	0.24	72.0	25.7	177	1.76	57.5	5.71	16.7	0.10	2.3	0.040	1.49	32.6	23.0	1.80
404049	7	< 0.01	6.73	6.6	430	1.50	0.10	2.03	0.22	62.7	25.1	160	1.54	59.5	5.44	17.2	< 0.05	2.0	0.070	1.28	29.7	21.4	1.94
404050	6	< 0.01	6.13	6.4	500	1.60	0.10	2.13	0.16	48.7	21.0	207	1.89	46.8	5.10	16.3	< 0.05	3.9	0.050	1.45	23.0	25.3	1.80
404051	< 5	< 0.01	6.57	3.6	530	1.70	0.10	2.08	0.10	63.8	22.3	154	1.78	49.8	4.83	15.8	< 0.05	3.4	0.050	1.51	30.6	22.9	1.54
404052	< 5	< 0.01	6.57	1.8	490	1.50	0.08	2.24	0.13	69.8	21.2	171	1.58	42.0	4.82	16.4	< 0.05	3.0	0.060	1.52	32.6	21.8	1.58
404053	5	< 0.01	7.07	1.6	570	1.70	0.11	2.08	0.24	70.7	22.3	107	2.15	54.1	5.34	16.4	< 0.05	1.3	0.040	1.92	34.5	26.8	1.61
404054	< 5	< 0.01	6.65	2.3	510	1.70	0.10	1.87	0.14	64.8	21.3	153	1.85	47.6	5.14	16.6	< 0.05	1.9	0.060	1.63	33.3	24.4	1.78
404055	< 5	< 0.01	6.63	1.2	550	1.70	0.09	1.84	0.12	69.3	15.8	126	1.87	36.3	4.34	16.2	< 0.05	2.7	0.050	1.84	34.5	24.3	1.35
404056	80	< 0.01	6.87	17.9	450	1.60	0.14	1.92	0.24	67.8	34.7	229	1.88	68.5	6.71	16.6	0.30	3.5	0.060	1.53	30.1	23.4	2.24

Analyte Symbol	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg
Unit Symbol	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%
Lower Limit	5	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01
Method Code	FA-AA	TD-MS	TD-ICP	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP
404057	44	< 0.01	6.78	22.3	470	1.60	0.14	1.94	0.15	65.3	31.9	211	1.97	63.6	6.51	16.5	0.40	4.1	0.070	1.54	29.9	23.6	2.10
404058	15	< 0.01	6.65	9.2	500	1.60	0.10	1.96	0.10	65.0	24.9	190	1.81	66.7	5.44	16.8	0.30	4.2	0.050	1.60	31.4	23.2	1.90
404059	5	< 0.01	6.70	4.2	500	1.50	0.08	1.72	0.11	72.7	19.2	137	1.58	36.8	5.01	16.1	< 0.05	3.1	0.040	1.65	34.6	22.3	1.54
404060	21	< 0.01	6.71	3.1	510	1.50	0.08	1.72	0.14	69.2	19.1	134	1.56	36.0	4.97	15.9	< 0.05	2.5	0.040	1.61	32.6	21.9	1.51
404061	5	< 0.01	6.71	9.6	470	1.55	0.10	2.30	0.27	57.9	35.3	209	1.68	68.4	6.32	17.0	< 0.05	3.5	0.060	1.35	23.5	23.1	1.98
404062	12	< 0.01	6.95	3.6	450	1.40	0.09	2.49	0.22	65.8	26.4	154	1.35	49.4	5.76	16.0	< 0.05	0.6	0.070	1.31	29.0	19.8	1.78
404063	< 5	< 0.01	7.02	4.7	470	1.50	0.11	2.36	0.20	61.8	28.9	165	1.66	63.5	6.17	16.5	< 0.05	2.0	0.040	1.41	29.0	22.8	1.92
404064	5	< 0.01	7.15	5.2	480	1.50	0.11	2.37	0.23	59.5	27.8	148	1.76	66.7	6.35	16.5	0.10	2.0	0.060	1.41	27.9	23.4	1.96
404065	6	< 0.01	6.97	3.4	490	1.50	0.11	2.41	0.18	63.4	26.1	182	1.54	56.2	5.93	16.9	< 0.05	2.6	0.040	1.48	29.5	22.3	1.82
404066	10	< 0.01	7.15	9.6	490	1.60	0.14	2.13	0.22	67.3	35.1	180	1.93	81.3	6.54	17.0	< 0.05	2.6	0.070	1.53	30.8	25.6	2.08
404067	11	< 0.01	7.05	4.9	500	1.70	0.14	2.15	0.18	59.9	25.4	181	1.89	63.2	5.89	17.4	0.10	2.5	0.060	1.55	30.0	24.9	1.91
404068	< 5	< 0.01	6.66	3.0	530	1.70	0.11	2.05	0.23	73.9	25.5	141	1.89	49.3	5.26	17.2	0.10	3.0	0.050	1.72	35.7	26.0	1.70
404069	9	< 0.01	6.72	7.4	470	1.70	0.14	2.28	0.23	69.4	36.7	210	1.93	78.9	6.37	16.4	< 0.05	2.0	0.050	1.48	31.3	24.5	2.55
404070	< 5	< 0.01	7.21	3.3	580	1.80	0.10	2.12	0.30	70.5	24.2	164	2.18	52.5	5.81	16.7	< 0.05	0.7	0.060	1.94	36.2	28.2	1.88
404071	10	< 0.01	6.88	3.9	490	1.70	0.12	2.17	0.22	69.6	28.6	132	1.82	66.2	5.76	16.3	< 0.05	0.8	0.060	1.51	31.4	23.9	1.87
404072	< 5	0.01	6.67	1.1	540	1.70	0.11	1.95	0.25	71.1	19.9	135	1.79	48.1	4.98	16.0	< 0.05	0.4	0.050	1.75	34.6	25.0	1.50
404073	< 5	< 0.01	6.72	3.1	540	1.80	0.11	1.85	0.17	63.0	22.0	144	2.01	53.0	5.23	16.7	< 0.05	1.4	0.060	1.73	32.9	27.6	1.67
404074	5	< 0.01	7.13	8.4	490	1.70	0.13	2.02	0.24	67.2	35.1	192	1.93	77.6	6.40	17.4	< 0.05	2.1	0.060	1.48	29.1	26.1	2.10
404075	8	< 0.01	6.87	5.5	480	1.70	0.11	2.03	0.21	71.7	29.7	179	1.64	58.7	5.77	17.0	< 0.05	2.3	0.060	1.44	32.4	23.1	1.82
404076	9	< 0.01	7.34	10.4	490	1.60	0.12	1.99	0.30	66.1	33.4	207	1.95	74.3	6.55	17.9	0.20	3.0	0.050	1.50	29.5	25.5	2.10
404077	20	< 0.01	6.75	6.5	470	1.60	0.11	1.95	0.20	71.2	28.7	170	1.77	58.8	5.75	16.7	< 0.05	2.0	0.060	1.46	31.2	23.0	1.87
404078	16	0.04	6.98	9.5	470	1.70	0.13	1.81	0.29	73.5	32.0	173	1.98	69.0	6.09	17.6	< 0.05	0.2	0.060	1.47	32.2	24.9	2.00
404079	90	< 0.01	6.98	22.5	500	1.70	0.17	1.94	0.19	46.3	31.3	262	2.20	80.2	6.62	17.9	0.50	4.4	0.060	1.83	20.1	27.6	2.26
404080	24	< 0.01	7.62	6.8	200	0.80	0.32	0.21	0.03	35.7	28.2	547	3.90	379	14.7	21.4	0.60	2.1	0.080	0.40	16.0	23.4	0.25
404081	12	< 0.01	6.88	7.1	450	1.70	0.13	1.82	0.25	67.0	29.6	182	1.96	73.6	6.01	17.9	< 0.05	0.5	0.040	1.40	31.3	24.6	2.13
404082	7	< 0.01	6.86	2.2	480	1.70	0.11	1.87	0.13	66.8	25.6	160	1.79	56.9	5.56	17.0	< 0.05	0.5	0.060	1.49	31.4	24.4	1.88
404083	< 5	< 0.01	6.73	< 0.2	560	1.70	0.10	1.97	0.10	75.2	19.3	136	2.09	44.6	4.82	17.0	< 0.05	0.7	0.060	1.82	37.1	26.5	1.49
404084	< 5	< 0.01	6.87	5.0	490	1.70	0.10	2.39	0.21	66.0	30.3	192	2.15	77.4	5.95	17.5	< 0.05	1.9	0.050	1.56	30.5	26.2	2.30
404085	12	< 0.01	7.35	13.6	520	1.80	0.15	1.93	0.30	68.8	33.1	234	2.45	74.7	6.46	18.3	0.30	3.8	0.060	1.63	32.0	29.2	2.39
404086	< 5	< 0.01	6.63	6.2	480	1.60	0.10	2.30	0.26	63.8	29.6	229	1.97	55.7	5.48	16.4	0.20	3.4	0.060	1.56	29.2	25.2	2.50
404087	< 5	< 0.01	6.93	7.3	450	1.60	0.10	2.41	0.13	54.6	27.6	267	1.87	60.4	6.12	17.7	0.40	3.7	0.060	1.38	26.8	24.9	2.78
404088	27	< 0.01	6.89	8.1	470	1.45	0.09	1.85	0.15	67.1	23.7	174	1.29	41.8	5.62	16.5	< 0.05	3.0	0.050	1.44	29.7	18.9	1.80
404089	14	< 0.01	5.83	16.6	460	1.40	0.09	1.75	0.19	52.5	23.6	222	1.32	40.3	5.37	16.7	0.10	4.3	0.060	1.25	21.5	18.7	1.68
404090	11	< 0.01	6.53	18.7	450	1.40	0.10	1.68	0.13	65.8	22.4	206	1.26	40.9	5.22	16.7	< 0.05	3.2	0.060	1.35	30.3	18.4	1.65
404091	54	< 0.01	6.96	8.3	490	1.55	0.12	1.64	0.14	65.5	22.8	142	1.45	45.4	5.60	16.6	< 0.05	1.0	0.070	1.53	29.6	19.3	1.77
404092	17	< 0.01	7.07	2.7	500	1.70	0.12	1.59	0.16	66.5	28.9	148	1.97	56.4	6.01	17.4	0.10	1.4	0.050	1.55	30.8	23.4	1.84
404093	73	< 0.01	7.00	7.2	490	1.80	0.14	1.64	0.10	69.7	30.2	198	2.22	69.9	6.03	18.6	0.20	2.7	0.070	1.53	32.0	24.9	1.96
404094	6	< 0.01	6.89	12.2	460	1.70	0.13	1.67	0.17	72.0	30.7	225	2.12	68.0	5.96	17.7	0.30	2.9	0.060	1.43	32.4	22.9	1.96
404095	8	< 0.01	6.96	5.7	470	1.70	0.13	1.48	0.11	61.4	26.3	213	1.94	58.2	5.76	17.6	0.20	2.9	0.040	1.43	28.0	24.0	1.91
404096	12	< 0.01	7.11	6.1	490	1.60	0.10	1.71	0.15	59.2	23.0	195	1.76	48.9	5.65	17.9	0.50	3.7	0.050	1.62	27.1	21.4	1.98
404097	7	< 0.01	6.69	5.0	450	1.60	0.12	1.53	0.12	57.8	26.9	191	1.52	65.2	5.69	17.1	0.40	3.0	0.040	1.50	26.4	19.4	2.45
404098	23	< 0.01	6.37	5.1	360	1.20	0.11	1.71	0.13	56.4	26.4	254	1.10	86.0	5.85	15.9	0.10	3.1	0.050	1.18	26.2	16.6	2.56

Analyte Symbol	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg
Unit Symbol	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%
Lower Limit	5	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01
Method Code	FA-AA	TD-MS	TD-ICP	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP
404099	< 5	< 0.01	6.02	7.4	510	1.70	0.10	1.57	0.09	52.6	20.8	188	1.93	36.5	4.70	16.8	< 0.05	4.8	0.040	1.11	20.7	25.8	1.37
404100	< 5	< 0.01	6.05	1.4	410	1.20	0.05	1.96	< 0.02	17.5	6.1	65	0.79	5.2	1.49	13.2	0.10	1.8	0.010	1.22	7.7	8.1	0.54
404101	7	< 0.01	6.67	5.7	440	1.70	0.10	1.60	0.08	60.5	28.6	221	1.73	60.3	5.74	17.7	< 0.05	0.8	0.070	1.33	28.3	21.6	2.20
404102	8	< 0.01	6.56	1.6	460	1.70	0.09	2.17	0.07	72.7	26.1	159	1.63	53.3	5.00	17.1	< 0.05	2.7	0.050	1.37	34.1	21.6	1.77
404103	13	< 0.01	6.83	2.0	490	1.80	0.10	1.51	0.17	73.3	25.3	116	1.73	62.7	5.10	17.3	< 0.05	0.5	0.050	1.48	33.1	23.0	1.51
404104	6	< 0.01	7.11	8.4	490	1.80	0.16	1.57	0.20	72.0	39.1	179	2.49	100.0	6.88	18.8	0.10	2.4	0.060	1.54	31.9	25.8	2.07
404105	9	< 0.01	6.98	7.8	480	1.70	0.13	1.64	0.25	69.4	29.5	215	2.15	65.7	5.85	17.5	0.30	3.3	0.050	1.44	32.2	23.3	1.82
404106	10	< 0.01	6.74	2.9	380	1.30	0.17	1.50	0.08	54.1	32.0	231	2.32	77.8	6.62	16.7	0.20	2.4	0.050	1.35	25.7	19.4	2.89
404107	< 5	< 0.01	6.64	4.7	460	1.50	0.14	1.78	0.17	62.4	24.3	186	1.91	69.3	5.28	16.4	0.40	3.4	0.050	1.43	31.0	20.3	1.94
404108	23	< 0.01	6.67	4.9	430	1.40	0.11	1.51	0.17	68.8	25.7	168	1.56	62.3	5.54	16.6	< 0.05	2.1	0.060	1.32	31.5	18.8	1.77
404109	157	< 0.01	6.64	4.0	450	1.50	0.09	1.56	0.13	62.1	22.5	170	1.54	45.2	5.43	16.5	< 0.05	2.7	0.050	1.36	26.9	20.4	1.71
404110	16	< 0.01	6.95	3.8	500	1.70	0.13	1.68	0.14	74.1	24.4	115	1.89	50.7	5.33	16.6	< 0.05	0.6	0.040	1.50	34.5	21.8	1.55
404111	< 5	< 0.01	6.62	1.9	460	1.60	0.10	1.96	0.14	74.2	26.0	162	1.41	44.8	5.32	16.5	< 0.05	1.8	0.070	1.32	32.7	19.8	1.70
404112	9	< 0.01	6.47	0.7	450	1.40	0.09	2.03	0.23	74.6	21.8	184	1.13	36.4	5.07	15.8	< 0.05	2.5	0.060	1.34	32.3	18.1	1.61
404113	264	< 0.01	6.57	2.2	490	1.60	0.09	2.00	0.21	73.9	20.7	168	1.48	37.2	4.95	16.3	< 0.05	2.1	0.060	1.52	32.7	20.5	1.58
404114	< 5	< 0.01	6.47	1.5	480	1.60	0.07	1.93	0.13	66.8	19.1	157	1.31	30.2	4.75	15.8	< 0.05	2.3	0.050	1.46	30.2	19.3	1.51
404115	< 5	< 0.01	6.83	< 0.2	530	1.70	0.07	2.80	0.12	72.9	22.3	169	1.33	33.5	5.36	15.4	< 0.05	2.8	0.070	1.38	32.8	20.6	1.95
404116	< 5	< 0.01	6.68	0.8	530	2.00	0.10	2.51	0.09	78.5	24.1	196	1.66	37.3	5.66	15.5	< 0.05	2.8	0.050	1.36	35.0	22.8	1.94
404117	< 5	< 0.01	5.79	1.6	500	1.60	0.07	2.89	0.11	52.2	21.3	243	1.12	32.6	5.04	14.6	0.10	4.6	0.050	1.32	23.9	18.5	1.82
404118	< 5	< 0.01	6.50	1.6	520	1.80	0.08	2.33	0.02	97.2	22.2	192	1.66	42.3	5.18	16.2	< 0.05	3.8	0.060	1.42	43.6	24.7	1.70
404119	7	< 0.01	6.93	6.4	550	1.70	0.08	3.09	0.09	78.9	24.1	183	1.43	93.4	5.92	15.3	< 0.05	2.7	0.050	1.21	35.1	20.0	2.07
404120	< 5	< 0.01	6.73	5.9	540	1.70	0.08	3.03	0.09	80.9	25.5	135	1.50	91.9	5.78	15.7	< 0.05	2.1	0.070	1.28	36.6	20.7	2.01
404121	< 5	< 0.01	6.43	1.0	490	1.90	0.08	2.48	0.08	78.9	24.9	243	1.55	74.4	5.49	15.6	< 0.05	2.3	0.060	1.28	35.5	22.1	1.83
404122	< 5	< 0.01	6.59	0.2	520	2.00	0.07	2.39	0.21	86.5	22.9	197	1.55	57.0	5.29	15.9	< 0.05	2.3	0.070	1.44	42.0	22.8	1.76
404123	< 5	< 0.01	6.56	< 0.2	470	1.50	0.06	3.31	0.15	65.9	25.1	247	1.19	97.0	5.55	15.0	0.10	2.5	0.050	1.22	29.1	17.9	2.00
404124	< 5	< 0.01	6.86	3.8	500	1.90	0.10	2.75	0.15	74.2	27.7	182	1.85	123	5.96	16.7	< 0.05	2.5	0.060	1.30	34.6	24.4	2.03
404125	< 5	< 0.01	6.76	4.4	480	1.60	0.08	3.37	0.18	65.3	37.2	180	1.58	112	5.99	15.1	0.10	2.4	0.050	1.23	29.0	20.6	2.32
404126	< 5	< 0.01	6.72	< 0.2	500	1.60	0.08	3.07	0.23	80.7	24.4	185	1.30	57.7	5.57	14.9	< 0.05	2.2	0.060	1.35	37.7	20.0	2.09
403094	< 5	< 0.01	6.56	0.9	520	1.80	0.10	2.60	0.15	74.3	15.7	111	1.31	34.3	4.02	16.6	< 0.05	3.8	0.050	1.44	36.5	20.3	1.39

Analyte Symbol	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W
Unit Symbol	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
Lower Limit	5	0.05	0.01	0.1	0.2	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1	1	0.1
Method Code	TD-ICP	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-ICP	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-MS
402501	1350	0.06	1.49	0.1	490	840	12.0	58.1	< 0.002	0.02	< 0.05	27.1	< 1	0.2	181	< 0.05	< 0.05	9.2	0.146	0.44	1.5	82	< 0.1
402502	915	0.05	2.08	0.1	132	820	13.6	62.1	< 0.002	0.01	< 0.05	19.9	< 1	0.3	236	< 0.05	< 0.05	8.7	0.230	0.41	2.2	78	0.1
402503	951	0.06	1.83	0.1	294	890	11.5	50.6	< 0.002	0.01	< 0.05	22.7	< 1	0.2	231	< 0.05	< 0.05	6.5	0.197	0.33	1.8	78	0.1
402504	774	0.07	2.19	0.2	61.7	730	16.9	60.4	< 0.002	0.03	< 0.05	18.0	< 1	0.4	259	< 0.05	< 0.05	7.7	0.301	0.38	9.1	86	0.1
402505	852	0.05	2.20	0.1	84.6	750	12.9	54.2	< 0.002	0.01	< 0.05	19.4	< 1	0.4	259	< 0.05	< 0.05	7.6	0.312	0.36	2.0	88	< 0.1
402506	862	0.13	2.19	0.2	75.8	1060	13.2	46.6	< 0.002	< 0.01	< 0.05	18.7	< 1	0.4	287	< 0.05	< 0.05	8.8	0.294	0.32	2.0	80	0.1
402507	612	0.19	2.17	0.2	58.1	840	14.6	53.4	< 0.002	< 0.01	< 0.05	14.6	< 1	0.5	222	< 0.05	< 0.05	7.8	0.329	0.41	2.2	83	< 0.1
402509	807	0.14	2.21	0.4	79.5	880	14.8	50.9	< 0.002	< 0.01	< 0.05	15.7	< 1	0.6	256	< 0.05	< 0.05	6.9	0.325	0.40	2.1	88	< 0.1
402510	969	0.75	2.20	24.3	132	1120	15.7	37.5	< 0.002	< 0.01	0.49	17.0	< 1	2.0	244	1.11	0.06	5.1	0.709	0.39	2.0	152	0.6
402511	836	0.08	2.20	0.3	84.2	790	14.1	58.7	< 0.002	0.01	< 0.05	17.3	< 1	0.4	248	< 0.05	< 0.05	8.5	0.354	0.42	2.2	101	0.1
402512	796	0.11	2.03	1.4	131	880	15.1	76.1	< 0.002	< 0.01	< 0.05	19.3	< 1	0.4	236	0.06	< 0.05	10.1	0.311	0.49	2.8	99	0.1
402513	1100	< 0.05	1.82	0.1	194	850	14.3	67.0	< 0.002	< 0.01	< 0.05	21.7	< 1	0.4	202	< 0.05	< 0.05	8.6	0.129	0.44	2.1	56	0.1
402514	1010	0.06	1.54	0.3	368	600	10.4	59.2	< 0.002	0.01	< 0.05	25.0	< 1	0.4	178	< 0.05	< 0.05	6.6	0.189	0.48	1.7	67	0.1
402515	1020	< 0.05	1.98	0.1	180	740	11.8	63.4	< 0.002	0.01	< 0.05	20.5	< 1	0.3	215	< 0.05	< 0.05	7.4	0.112	0.41	1.9	54	0.1
402516	1170	0.11	0.73	0.6	930	370	4.5	40.3	< 0.002	< 0.01	< 0.05	34.5	< 1	0.3	96.0	< 0.05	< 0.05	2.0	0.253	0.53	0.5	153	< 0.1
402517	1100	0.17	0.41	0.2	819	260	2.4	108	< 0.002	0.01	< 0.05	29.0	< 1	0.3	62.3	< 0.05	< 0.05	1.0	0.209	1.12	0.4	146	< 0.1
402518	782	0.05	1.72	0.1	284	830	11.2	82.2	< 0.002	0.01	< 0.05	22.3	< 1	< 0.2	194	< 0.05	< 0.05	6.6	0.174	0.58	1.3	79	< 0.1
402519	875	0.23	1.91	3.7	89.5	1000	16.9	80.8	< 0.002	0.03	0.07	19.3	< 1	0.4	226	0.20	< 0.05	12.1	0.294	0.51	3.9	103	0.3
402520	319	0.13	2.67	0.5	20.4	240	8.4	43.8	< 0.002	< 0.01	< 0.05	8.4	< 1	0.7	379	< 0.05	< 0.05	1.4	0.213	0.26	0.4	43	< 0.1
402521	1010	0.41	1.95	9.7	142	760	8.8	23.7	< 0.002	< 0.01	0.50	22.1	< 1	1.4	347	0.62	< 0.05	4.3	0.438	0.25	1.3	140	1.3
402522	798	0.08	2.24	0.1	61.6	840	14.3	57.2	< 0.002	0.01	< 0.05	17.6	< 1	0.4	287	< 0.05	< 0.05	7.7	0.284	0.37	2.1	81	< 0.1
402523	801	0.05	2.26	1.2	76.4	910	16.6	77.9	< 0.002	< 0.01	< 0.05	19.5	< 1	0.3	278	< 0.05	< 0.05	10.4	0.333	0.49	2.5	94	0.1
402524	816	< 0.05	2.22	0.8	60.2	680	14.2	69.7	< 0.002	0.02	< 0.05	17.2	< 1	0.2	248	< 0.05	< 0.05	8.6	0.228	0.44	2.3	76	< 0.1
402525	849	< 0.05	2.30	0.4	62.7	820	13.9	53.9	< 0.002	0.01	< 0.05	19.1	< 1	< 0.2	285	< 0.05	< 0.05	7.8	0.139	0.36	2.1	48	0.1
402526	889	0.08	2.10	0.4	93.5	600	14.2	64.1	< 0.002	0.02	< 0.05	18.7	< 1	0.4	237	< 0.05	< 0.05	8.7	0.198	0.44	2.6	60	< 0.1
402527	713	0.06	2.16	0.3	110	770	14.6	69.9	< 0.002	0.01	< 0.05	19.5	< 1	0.4	248	< 0.05	< 0.05	9.4	0.169	0.47	2.5	55	< 0.1
402528	816	< 0.05	2.25	0.3	53.9	930	14.4	63.0	< 0.002	< 0.01	< 0.05	18.0	< 1	0.3	279	< 0.05	< 0.05	9.3	0.131	0.40	2.6	42	< 0.1
402529	696	< 0.05	2.29	0.2	60.4	1010	15.4	66.3	< 0.002	< 0.01	< 0.05	18.3	< 1	0.3	269	< 0.05	< 0.05	9.2	0.134	0.43	2.6	48	< 0.1
402530	852	< 0.05	2.32	0.2	50.0	1020	14.8	63.7	< 0.002	< 0.01	< 0.05	17.8	< 1	0.4	283	< 0.05	< 0.05	9.5	0.146	0.41	2.4	43	< 0.1
402531	604	0.20	2.32	4.1	36.4	1340	14.1	29.7	< 0.002	0.01	< 0.05	12.0	< 1	0.9	266	< 0.05	< 0.05	5.1	0.430	0.32	1.7	85	0.1
402532	826	0.07	2.29	0.2	52.5	1100	14.6	63.2	< 0.002	< 0.01	< 0.05	17.6	< 1	0.5	284	< 0.05	< 0.05	8.4	0.317	0.39	2.7	83	< 0.1
402533	1010	0.07	2.23	0.2	62.8	1320	15.6	61.3	< 0.002	0.01	< 0.05	18.8	< 1	0.4	283	< 0.05	< 0.05	11.9	0.240	0.39	5.6	79	< 0.1
402534	835	< 0.05	2.32	0.1	48.0	1340	14.0	59.8	< 0.002	< 0.01	< 0.05	17.8	< 1	0.3	306	< 0.05	< 0.05	8.7	0.203	0.36	2.6	60	< 0.1
402535	789	< 0.05	2.31	0.2	48.1	1020	13.5	54.3	< 0.002	< 0.01	< 0.05	18.0	< 1	0.3	290	< 0.05	< 0.05	7.2	0.165	0.34	2.3	53	< 0.1
402536	801	< 0.05	2.23	0.2	60.1	830	12.9	56.6	< 0.002	0.01	< 0.05	18.9	< 1	0.2	278	< 0.05	< 0.05	8.3	0.146	0.36	2.2	53	< 0.1
402537	792	< 0.05	2.37	0.2	50.6	1200	14.5	61.6	< 0.002	< 0.01	< 0.05	19.0	< 1	0.2	300	< 0.05	< 0.05	9.1	0.156	0.39	2.4	51	< 0.1
402538	802	< 0.05	2.33	0.3	53.9	1060	14.1	64.7	< 0.002	< 0.01	< 0.05	17.9	< 1	0.3	281	< 0.05	< 0.05	8.1	0.117	0.42	2.5	42	< 0.1
402539	780	< 0.05	2.22	0.2	49.5	1140	14.4	60.1	< 0.002	< 0.01	< 0.05	17.2	< 1	0.3	289	< 0.05	< 0.05	8.4	0.109	0.39	2.8	37	< 0.1
402540	390	3.49	2.37	17.5	10.4	270	31.7	122	< 0.002	0.07	1.74	4.8	2	4.1	131	1.01	0.06	10.0	0.135	0.80	3.5	12	2.7
402541	789	0.07	2.38	0.2	41.5	1340	14.0	57.8	< 0.002	< 0.01	< 0.05	17.4	< 1	0.3	317	< 0.05	< 0.05	7.2	0.248	0.35	2.5	63	0.1
402542	754	< 0.05	2.25	1.1	54.7	1070	15.1	64.9	< 0.002	< 0.01	< 0.05	18.0	< 1	0.3	289	< 0.05	< 0.05	10.3	0.218	0.40	3.2	65	< 0.1
402543	810	0.08	2.20	0.7	60.9	880	14.6	74.4	< 0.002	< 0.01	< 0.05	18.4	< 1	0.2	256	< 0.05	< 0.05	9.6	0.141	0.47	2.7	52	0.1

Analyte Symbol	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W
Unit Symbol	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
Lower Limit	5	0.05	0.01	0.1	0.2	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1	1	0.1
Method Code	TD-ICP	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-ICP	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-MS
402544	757	< 0.05	2.24	0.5	54.6	930	15.5	68.5	< 0.002	0.01	< 0.05	18.5	< 1	0.3	274	< 0.05	< 0.05	9.2	0.134	0.43	2.5	51	< 0.1
402545	764	< 0.05	2.21	0.3	56.3	1020	15.2	71.9	< 0.002	< 0.01	< 0.05	18.2	< 1	0.4	273	< 0.05	< 0.05	10.7	0.141	0.45	2.8	48	< 0.1
402546	770	0.05	2.16	0.5	49.9	1040	15.2	70.8	< 0.002	< 0.01	< 0.05	18.0	< 1	0.5	290	< 0.05	< 0.05	10.9	0.176	0.43	3.0	50	< 0.1
402547	740	0.08	2.25	0.5	52.2	950	16.7	68.9	< 0.002	0.01	< 0.05	16.2	< 1	0.6	277	< 0.05	< 0.05	11.1	0.208	0.46	2.9	52	< 0.1
402548	815	0.14	2.16	0.3	50.5	1110	28.6	62.8	< 0.002	0.06	0.06	19.7	2	0.3	272	< 0.05	< 0.05	8.3	0.206	0.43	2.4	72	< 0.1
402549	779	0.20	2.19	2.4	48.2	940	11.4	25.6	< 0.002	< 0.01	< 0.05	16.3	< 1	0.6	259	0.05	< 0.05	3.9	0.418	0.28	1.7	108	< 0.1
402550	652	0.11	2.22	0.4	67.2	510	16.0	65.9	< 0.002	0.01	< 0.05	19.5	< 1	0.3	259	< 0.05	< 0.05	9.5	0.220	0.44	2.9	70	< 0.1
402551	645	0.16	2.14	2.5	60.1	460	15.6	61.6	< 0.002	0.02	< 0.05	18.2	< 1	0.4	243	0.13	< 0.05	8.7	0.297	0.45	2.5	86	0.1
402552	689	< 0.05	2.01	0.3	69.6	600	15.6	79.4	< 0.002	0.01	< 0.05	19.6	< 1	0.3	240	< 0.05	< 0.05	10.9	0.135	0.51	2.7	57	< 0.1
402553	712	0.08	2.16	1.3	60.2	570	11.8	50.6	< 0.002	< 0.01	< 0.05	21.9	< 1	0.3	263	0.06	< 0.05	6.9	0.232	0.35	2.1	67	0.1
402554	573	0.06	2.22	0.3	53.4	360	13.4	49.4	< 0.002	< 0.01	< 0.05	18.3	< 1	0.3	270	< 0.05	< 0.05	7.8	0.144	0.34	2.3	35	< 0.1
402555	733	0.06	2.25	0.3	50.9	970	12.1	49.3	< 0.002	0.01	< 0.05	17.7	< 1	0.4	292	< 0.05	< 0.05	8.7	0.177	0.31	2.2	49	< 0.1
402556	771	0.32	2.13	4.3	70.8	950	14.5	69.7	< 0.002	0.01	0.05	17.4	< 1	0.8	241	0.05	< 0.05	9.0	0.358	0.48	2.9	93	0.1
402557	865	0.08	2.20	0.3	50.8	980	11.7	53.9	< 0.002	0.01	0.05	19.7	< 1	0.7	283	< 0.05	< 0.05	8.0	0.195	0.32	2.0	62	< 0.1
402558	1440	0.10	1.72	0.2	166	770	12.2	62.4	< 0.002	< 0.01	< 0.05	25.4	< 1	0.4	220	< 0.05	< 0.05	7.2	0.211	0.38	1.5	75	< 0.1
402559	1110	2.03	1.30	8.4	477	730	8.2	35.3	0.020	0.01	0.42	28.0	< 1	1.5	185	0.40	< 0.05	3.6	0.557	0.57	0.9	182	0.4
402560	1050	0.09	1.29	0.2	472	670	7.8	62.5	< 0.002	0.01	< 0.05	27.4	< 1	0.2	175	< 0.05	< 0.05	4.5	0.287	0.58	0.8	127	< 0.1
402561	635	0.18	2.24	1.0	63.1	810	15.4	68.6	< 0.002	< 0.01	< 0.05	16.7	< 1	0.4	272	0.05	< 0.05	10.5	0.338	0.45	2.5	84	< 0.1
402562	693	< 0.05	2.26	0.2	60.1	1120	14.4	64.7	< 0.002	< 0.01	< 0.05	18.3	< 1	0.3	297	< 0.05	< 0.05	9.4	0.152	0.41	3.1	51	< 0.1
403001	997	< 0.05	2.19	0.1	66.7	750	10.3	39.3	< 0.002	< 0.01	< 0.05	22.4	< 1	0.3	299	< 0.05	< 0.05	5.3	0.128	0.23	1.5	48	< 0.1
403002	906	0.06	2.01	0.3	66.9	520	12.3	44.7	< 0.002	0.03	< 0.05	20.1	< 1	0.4	267	< 0.05	< 0.05	5.6	0.174	0.28	1.6	58	< 0.1
403003	859	< 0.05	2.20	0.7	52.6	910	11.6	46.0	< 0.002	< 0.01	0.08	19.7	< 1	0.7	308	< 0.05	< 0.05	6.0	0.206	0.28	1.7	57	< 0.1
403004	903	0.15	2.04	1.7	74.6	760	13.0	51.1	< 0.002	0.01	0.12	19.7	< 1	0.9	284	< 0.05	< 0.05	6.4	0.344	0.31	1.7	94	0.1
403005	830	0.20	2.21	2.4	48.0	950	11.0	41.8	0.039	< 0.01	0.11	20.8	< 1	0.6	334	< 0.05	< 0.05	5.8	0.256	0.25	4.6	69	< 0.1
403006	845	0.06	2.13	0.7	59.8	850	11.5	49.4	< 0.002	0.02	0.05	19.1	< 1	0.5	278	< 0.05	< 0.05	5.8	0.225	0.28	1.5	64	< 0.1
403007	821	< 0.05	2.09	0.1	68.3	810	11.9	55.0	< 0.002	< 0.01	< 0.05	19.8	< 1	< 0.2	269	< 0.05	< 0.05	8.5	0.101	0.32	1.6	44	< 0.1
403008	762	0.31	1.41	3.3	134	660	14.6	70.5	< 0.002	0.01	0.05	21.8	< 1	1.4	197	0.14	< 0.05	7.4	0.420	0.55	2.4	123	0.2
403009	886	0.06	1.99	0.2	79.3	810	11.4	56.9	< 0.002	< 0.01	< 0.05	21.4	< 1	0.4	275	< 0.05	< 0.05	6.8	0.289	0.33	1.9	88	0.1
403010	956	< 0.05	2.07	0.1	71.0	740	10.1	50.8	< 0.002	0.01	< 0.05	23.1	< 1	< 0.2	316	< 0.05	< 0.05	6.4	0.130	0.30	1.6	56	< 0.1
403011	898	0.05	2.04	0.7	78.4	750	13.6	67.0	< 0.002	< 0.01	< 0.05	20.6	< 1	0.2	264	< 0.05	< 0.05	8.3	0.194	0.41	2.2	74	0.1
403012	964	< 0.05	2.11	0.1	74.0	810	11.6	52.7	< 0.002	< 0.01	< 0.05	23.1	< 1	< 0.2	315	< 0.05	< 0.05	6.9	0.108	0.31	1.9	48	< 0.1
403013	946	< 0.05	2.19	0.1	59.4	710	11.8	44.2	< 0.002	< 0.01	< 0.05	20.8	< 1	0.3	304	< 0.05	< 0.05	6.4	0.110	0.26	1.7	37	< 0.1
403014	958	< 0.05	2.19	0.3	59.3	740	11.0	39.8	< 0.002	< 0.01	0.09	22.1	< 1	0.5	324	< 0.05	< 0.05	5.7	0.160	0.23	1.8	46	< 0.1
403015	894	< 0.05	2.20	0.2	46.1	560	13.9	47.3	< 0.002	0.03	< 0.05	18.8	< 1	0.4	311	< 0.05	< 0.05	8.2	0.118	0.29	2.0	37	< 0.1
403016	940	< 0.05	2.10	0.2	72.0	430	10.2	38.7	< 0.002	0.01	0.08	22.1	< 1	0.6	313	< 0.05	< 0.05	5.4	0.173	0.24	1.6	48	< 0.1
403017	859	0.07	2.17	0.1	81.7	890	12.1	48.5	< 0.002	0.01	< 0.05	19.9	< 1	0.4	294	< 0.05	< 0.05	7.7	0.267	0.29	2.0	81	0.1
403018	891	< 0.05	2.17	0.1	69.0	820	10.3	40.6	< 0.002	< 0.01	< 0.05	21.4	< 1	< 0.2	325	< 0.05	< 0.05	5.8	0.110	0.25	1.5	47	< 0.1
403019	917	< 0.05	2.26	0.2	61.1	790	11.2	43.7	< 0.002	< 0.01	< 0.05	21.0	< 1	0.2	328	< 0.05	< 0.05	5.6	0.111	0.27	1.6	44	0.1
403020	524	0.12	0.10	0.1	235	360	21.5	40.3	< 0.002	0.05	< 0.05	53.1	2	0.5	29.6	< 0.05	< 0.05	14.2	0.189	0.28	2.8	119	< 0.1
403021	1010	< 0.05	2.16	0.2	78.6	770	9.5	41.0	< 0.002	< 0.01	0.09	23.7	< 1	0.8	309	< 0.05	< 0.05	4.9	0.178	0.24	1.9	60	< 0.1
403022	1080	0.07	1.93	0.2	116	830	10.9	48.7	< 0.002	0.01	0.08	24.5	1	0.8	293	< 0.05	0.08	6.6	0.209	0.29	1.6	72	< 0.1
403023	1190	0.05	1.97	0.1	94.3	780	9.2	42.3	< 0.002	< 0.01	< 0.05	24.2	< 1	0.7	291	< 0.05	< 0.05	5.2	0.190	0.26	1.2	68	< 0.1

Analyte Symbol	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W
Unit Symbol	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
Lower Limit	5	0.05	0.01	0.1	0.2	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1	1	0.1
Method Code	TD-ICP	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-ICP	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-MS
403024	1110	0.06	2.02	0.1	95.2	780	9.2	42.3	0.008	< 0.01	< 0.05	26.5	< 1	0.3	314	< 0.05	< 0.05	5.4	0.099	0.25	1.2	55	< 0.1
403025	1120	0.28	2.02	3.4	92.1	900	9.1	21.2	< 0.002	< 0.01	0.08	20.0	< 1	0.8	282	0.10	< 0.05	3.1	0.520	0.22	1.0	147	0.1
403026	900	0.11	2.27	0.4	46.1	1250	15.9	69.3	< 0.002	< 0.01	< 0.05	16.9	< 1	0.6	284	< 0.05	< 0.05	10.1	0.341	0.41	3.2	84	< 0.1
403027	763	< 0.05	2.20	0.1	61.8	990	17.7	48.6	< 0.002	0.01	< 0.05	19.9	< 1	0.3	288	< 0.05	< 0.05	8.0	0.179	0.31	7.4	60	< 0.1
403028	790	< 0.05	2.37	0.3	40.5	1440	17.0	48.0	< 0.002	0.02	< 0.05	17.2	< 1	0.3	305	< 0.05	< 0.05	14.2	0.155	0.32	3.0	67	< 0.1
403029	1010	< 0.05	2.24	0.1	75.1	830	10.9	32.7	< 0.002	0.01	0.05	23.7	< 1	0.8	376	< 0.05	< 0.05	4.7	0.183	0.20	1.4	67	< 0.1
403030	969	0.05	2.14	0.2	66.9	1170	13.9	52.1	< 0.002	0.02	< 0.05	20.1	< 1	0.4	274	< 0.05	< 0.05	8.2	0.180	0.34	2.6	65	< 0.1
403031	1060	0.36	2.03	4.0	174	780	7.0	27.3	< 0.002	< 0.01	0.14	28.4	< 1	0.9	343	0.06	< 0.05	4.6	0.482	0.16	1.3	155	0.1
403032	995	0.45	2.10	12.1	123	1090	9.6	37.7	< 0.002	< 0.01	0.22	24.9	< 1	1.1	323	0.10	< 0.05	5.7	0.498	0.22	1.7	140	0.1
403033	1160	0.21	2.03	1.2	116	800	9.9	42.5	< 0.002	< 0.01	0.07	24.8	< 1	0.6	273	< 0.05	< 0.05	5.6	0.370	0.25	1.6	116	< 0.1
403034	1010	< 0.05	2.12	0.3	84.8	1030	13.6	61.3	< 0.002	< 0.01	< 0.05	19.5	< 1	0.4	273	< 0.05	< 0.05	8.5	0.144	0.38	2.3	51	< 0.1
403035	748	< 0.05	2.17	0.2	64.6	810	15.1	69.9	< 0.002	< 0.01	< 0.05	20.5	< 1	0.4	275	< 0.05	< 0.05	9.6	0.142	0.41	2.1	50	< 0.1
403036	1170	0.51	1.90	5.9	186	830	7.9	24.4	< 0.002	< 0.01	0.38	27.1	< 1	1.1	301	0.34	< 0.05	3.2	0.564	0.20	1.3	175	0.6
403037	823	0.07	2.26	0.2	60.8	1140	13.1	52.6	< 0.002	< 0.01	< 0.05	18.0	< 1	0.5	302	< 0.05	< 0.05	7.5	0.324	0.32	2.6	81	< 0.1
403038	912	< 0.05	2.10	0.1	93.8	900	14.4	73.1	< 0.002	0.01	< 0.05	18.1	< 1	< 0.2	249	< 0.05	< 0.05	9.6	0.164	0.47	2.5	66	< 0.1
403039	890	< 0.05	2.15	0.1	133	860	10.8	48.1	< 0.002	< 0.01	< 0.05	20.6	< 1	0.4	297	< 0.05	< 0.05	6.4	0.143	0.29	1.6	57	< 0.1
403040	507	< 0.05	0.14	0.1	44.6	380	24.5	59.6	< 0.002	0.05	< 0.05	14.4	1	0.5	43.5	< 0.05	< 0.05	15.4	0.128	0.37	4.1	56	< 0.1
403041	831	0.07	2.15	0.6	92.1	1100	14.6	68.1	< 0.002	< 0.01	< 0.05	18.5	< 1	0.6	284	< 0.05	< 0.05	10.1	0.193	0.43	2.5	54	< 0.1
403042	1120	0.27	1.80	3.9	241	560	8.8	39.7	< 0.002	0.01	0.07	26.2	< 1	0.3	305	0.10	< 0.05	4.6	0.401	0.26	1.3	141	0.1
403043	1090	2.39	1.89	8.3	227	810	8.3	34.7	0.031	< 0.01	0.15	26.2	< 1	1.1	310	0.39	< 0.05	4.4	0.464	0.23	3.6	157	0.7
403044	864	0.50	2.22	18.4	123	1170	11.9	50.1	< 0.002	< 0.01	0.38	19.5	< 1	1.4	305	0.38	< 0.05	9.1	0.543	0.29	2.0	128	0.3
403045	860	0.25	2.18	6.0	107	1100	11.1	45.1	< 0.002	< 0.01	0.28	20.3	< 1	1.1	320	0.05	< 0.05	6.5	0.464	0.28	2.1	113	0.1
403046	885	< 0.05	2.22	0.4	89.4	1110	13.8	63.3	< 0.002	< 0.01	< 0.05	19.4	< 1	0.4	299	< 0.05	< 0.05	10.3	0.162	0.37	2.2	56	< 0.1
403047	945	0.34	1.83	10.9	180	720	10.9	33.8	< 0.002	< 0.01	0.73	22.6	< 1	1.5	301	0.69	0.05	5.0	0.477	0.31	1.5	139	1.1
403048	938	< 0.05	2.18	0.1	105	990	10.6	41.3	< 0.002	< 0.01	< 0.05	22.5	< 1	0.4	317	< 0.05	< 0.05	5.7	0.258	0.26	1.6	86	< 0.1
403049	1230	0.07	1.88	0.1	232	750	11.7	34.9	< 0.002	< 0.01	0.09	27.9	< 1	0.3	277	< 0.05	< 0.05	4.6	0.159	0.23	1.3	76	< 0.1
403050	1230	0.09	1.86	0.2	320	700	9.6	37.1	< 0.002	0.02	0.21	26.1	< 1	0.2	280	< 0.05	< 0.05	5.5	0.210	0.24	1.9	85	< 0.1
403051	1140	0.13	1.56	2.2	378	640	10.1	33.9	< 0.002	0.02	0.86	26.0	< 1	0.3	190	< 0.05	< 0.05	5.8	0.312	0.24	1.5	100	< 0.1
403052	1050	0.19	1.64	3.8	316	440	10.0	37.2	< 0.002	0.02	0.29	22.7	< 1	0.4	199	0.05	< 0.05	5.2	0.346	0.27	1.3	116	< 0.1
403053	1060	0.34	1.87	5.4	275	910	11.5	45.2	< 0.002	< 0.01	0.82	21.7	< 1	0.8	222	0.07	< 0.05	6.1	0.440	0.31	2.0	123	1.0
403054	892	0.09	2.16	0.6	74.5	1060	15.6	61.8	< 0.002	0.02	0.09	17.3	< 1	0.6	243	< 0.05	< 0.05	10.2	0.221	0.41	2.3	62	< 0.1
403055	983	0.12	2.19	1.0	71.7	1210	17.8	73.1	< 0.002	0.02	0.06	16.7	< 1	0.7	244	< 0.05	< 0.05	13.1	0.284	0.47	6.1	80	< 0.1
403056	556	< 0.05	2.22	0.1	43.9	860	15.6	69.8	< 0.002	< 0.01	< 0.05	15.6	< 1	0.3	264	< 0.05	< 0.05	11.0	0.231	0.45	2.5	68	< 0.1
403057	1260	< 0.05	1.37	0.1	257	700	12.8	57.2	< 0.002	0.01	< 0.05	27.0	< 1	0.2	159	< 0.05	< 0.05	7.4	0.115	0.38	2.8	70	< 0.1
403058	885	0.18	1.85	0.1	128	760	12.2	56.9	0.012	< 0.01	< 0.05	21.8	< 1	0.2	225	< 0.05	< 0.05	7.2	0.118	0.35	4.8	49	< 0.1
403059	882	< 0.05	1.83	0.4	73.1	580	15.3	61.1	< 0.002	0.03	< 0.05	18.8	< 1	0.4	230	< 0.05	< 0.05	8.1	0.113	0.36	3.3	42	< 0.1
403060	873	0.06	1.87	0.1	73.0	560	14.8	61.1	< 0.002	0.03	< 0.05	18.7	< 1	0.5	234	< 0.05	< 0.05	8.0	0.142	0.35	3.0	44	< 0.1
403061	1080	0.17	1.85	0.4	66.2	840	14.9	75.9	< 0.002	0.06	< 0.05	17.9	< 1	0.6	211	< 0.05	< 0.05	8.1	0.258	0.41	2.4	84	< 0.1
403062	736	< 0.05	2.12	0.3	68.3	860	13.0	60.7	< 0.002	< 0.01	< 0.05	19.0	< 1	0.6	259	< 0.05	< 0.05	8.8	0.183	0.36	2.1	52	< 0.1
403063	875	< 0.05	2.02	0.5	87.3	740	11.4	50.2	< 0.002	< 0.01	< 0.05	23.9	< 1	0.9	292	< 0.05	< 0.05	6.5	0.195	0.30	2.5	55	< 0.1
403064	783	< 0.05	2.03	0.7	79.7	730	12.1	44.5	< 0.002	< 0.01	< 0.05	19.0	< 1	0.4	254	< 0.05	< 0.05	6.1	0.292	0.34	2.8	84	< 0.1
403065	868	< 0.05	2.00	0.1	75.5	730	11.2	51.2	< 0.002	< 0.01	< 0.05	21.2	< 1	0.2	297	< 0.05	< 0.05	7.0	0.197	0.29	2.8	66	< 0.1

Analyte Symbol	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W
Unit Symbol	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
Lower Limit	5	0.05	0.01	0.1	0.2	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1	1	0.1
Method Code	TD-ICP	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-ICP	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-MS
403066	781	0.05	2.15	1.1	55.5	680	12.8	54.1	< 0.002	0.01	< 0.05	17.6	< 1	0.2	265	0.05	< 0.05	7.4	0.162	0.34	2.2	52	0.1
403067	827	< 0.05	2.11	0.3	72.7	610	13.0	61.7	< 0.002	< 0.01	< 0.05	18.7	< 1	0.3	265	< 0.05	< 0.05	8.2	0.135	0.38	2.3	43	< 0.1
403068	824	0.18	2.17	0.2	76.8	780	12.9	60.6	0.004	< 0.01	< 0.05	19.0	< 1	0.6	264	< 0.05	< 0.05	7.9	0.177	0.36	2.1	53	< 0.1
403069	865	0.15	2.13	1.8	101	780	12.5	60.3	< 0.002	< 0.01	0.08	21.2	< 1	0.8	261	< 0.05	< 0.05	7.8	0.367	0.35	2.1	95	< 0.1
403070	683	0.57	2.20	8.2	53.6	860	13.5	61.1	< 0.002	< 0.01	0.20	17.1	< 1	1.7	260	0.10	< 0.05	8.9	0.524	0.37	2.4	111	0.1
403071	905	0.34	2.17	4.5	59.7	900	9.5	47.6	< 0.002	< 0.01	0.13	22.1	< 1	1.3	347	0.06	< 0.05	5.9	0.494	0.26	1.6	119	0.1
403072	996	0.28	1.88	0.3	81.5	1020	15.8	68.0	< 0.002	0.03	< 0.05	18.9	< 1	1.2	223	< 0.05	< 0.05	10.6	0.343	0.48	3.3	101	< 0.1
403073	971	< 0.05	1.98	0.2	80.3	680	10.2	55.5	< 0.002	0.01	< 0.05	21.6	< 1	0.6	285	< 0.05	< 0.05	6.3	0.209	0.32	1.7	67	< 0.1
403074	926	0.06	2.15	0.9	69.0	870	11.1	29.3	< 0.002	< 0.01	< 0.05	20.0	< 1	0.5	333	< 0.05	< 0.05	4.4	0.433	0.23	1.5	107	< 0.1
403075	863	< 0.05	2.15	0.1	70.2	790	11.0	51.7	< 0.002	< 0.01	< 0.05	19.9	< 1	0.3	286	< 0.05	< 0.05	7.4	0.274	0.31	1.9	80	< 0.1
403076	939	< 0.05	2.05	0.1	84.5	860	12.7	60.3	< 0.002	< 0.01	< 0.05	18.9	< 1	0.2	266	< 0.05	< 0.05	7.3	0.149	0.36	1.9	57	< 0.1
403077	963	< 0.05	2.04	0.1	74.3	720	11.3	51.5	< 0.002	< 0.01	< 0.05	20.9	< 1	0.3	309	< 0.05	< 0.05	6.5	0.129	0.30	2.0	49	< 0.1
403078	659	< 0.05	2.03	0.2	62.8	710	14.2	62.6	< 0.002	0.01	< 0.05	16.9	< 1	0.3	231	< 0.05	< 0.05	9.2	0.126	0.41	4.1	47	< 0.1
403079	735	0.06	2.16	0.2	62.3	810	14.2	60.3	< 0.002	0.01	< 0.05	16.6	< 1	0.6	243	< 0.05	< 0.05	11.1	0.181	0.38	3.5	51	< 0.1
403080	543	0.24	0.14	1.0	47.6	420	25.1	60.1	< 0.002	0.05	0.19	14.8	2	1.3	44.0	< 0.05	< 0.05	16.0	0.323	0.36	3.1	84	< 0.1
403081	786	0.61	2.08	2.3	66.2	780	13.7	67.2	0.013	0.02	< 0.05	16.9	< 1	0.8	239	< 0.05	< 0.05	8.7	0.326	0.41	3.2	85	< 0.1
403082	832	0.79	2.10	9.9	65.0	860	15.3	72.8	< 0.002	0.01	0.19	16.8	< 1	1.6	252	0.11	< 0.05	11.0	0.505	0.44	2.9	119	0.1
403083	770	0.18	1.94	0.3	78.3	710	15.3	79.2	< 0.002	0.02	0.08	17.5	< 1	1.3	227	< 0.05	< 0.05	10.3	0.294	0.49	3.6	82	< 0.1
403084	771	< 0.05	2.16	0.1	59.7	690	14.1	71.2	< 0.002	0.01	< 0.05	16.2	< 1	0.7	243	< 0.05	< 0.05	10.9	0.200	0.44	2.9	59	< 0.1
403085	693	< 0.05	2.12	0.1	74.2	800	15.3	74.5	< 0.002	0.02	< 0.05	18.9	< 1	0.2	228	< 0.05	< 0.05	9.8	0.270	0.46	3.5	84	< 0.1
403086	771	0.06	2.26	0.8	62.4	720	15.1	70.0	< 0.002	0.01	< 0.05	17.5	< 1	0.2	246	< 0.05	< 0.05	9.2	0.193	0.45	2.7	64	< 0.1
403087	590	0.08	2.19	0.1	50.3	680	15.7	57.9	0.025	0.03	< 0.05	17.7	< 1	0.4	246	< 0.05	< 0.05	10.1	0.177	0.42	3.1	67	< 0.1
403088	773	< 0.05	2.12	0.1	60.8	800	14.1	64.0	< 0.002	0.01	< 0.05	17.4	< 1	0.3	254	< 0.05	< 0.05	8.1	0.114	0.38	2.8	39	< 0.1
403089	720	< 0.05	2.35	0.2	38.4	1050	14.9	64.5	< 0.002	< 0.01	< 0.05	15.2	< 1	0.3	301	< 0.05	< 0.05	9.3	0.135	0.39	2.3	46	< 0.1
403090	817	< 0.05	2.23	0.1	48.8	1060	14.9	74.3	< 0.002	0.01	< 0.05	15.9	< 1	0.4	277	< 0.05	< 0.05	9.7	0.152	0.46	2.8	56	0.1
403091	696	< 0.05	2.28	0.2	45.0	840	14.0	61.7	< 0.002	< 0.01	< 0.05	15.9	< 1	0.3	297	< 0.05	< 0.05	7.8	0.119	0.38	2.3	41	< 0.1
403092	761	< 0.05	2.42	0.2	36.0	1120	17.1	67.3	< 0.002	< 0.01	< 0.05	14.9	< 1	0.3	319	< 0.05	< 0.05	8.2	0.150	0.42	2.3	50	< 0.1
403093	801	0.13	2.28	1.7	61.4	920	14.3	41.6	< 0.002	< 0.01	< 0.05	14.4	< 1	0.6	253	< 0.05	< 0.05	5.2	0.344	0.39	2.1	90	< 0.1
404001	925	< 0.05	2.08	0.1	53.2	710	11.0	49.8	< 0.002	< 0.01	< 0.05	19.2	< 1	0.3	188	< 0.05	< 0.05	6.0	0.233	0.28	1.8	61	0.1
404002	767	< 0.05	2.03	< 0.1	49.9	610	10.7	48.9	< 0.002	< 0.01	< 0.05	18.7	< 1	< 0.2	186	< 0.05	< 0.05	6.4	0.211	0.30	1.9	56	< 0.1
404003	1000	< 0.05	1.96	0.1	64.1	620	11.4	52.4	< 0.002	< 0.01	< 0.05	21.8	< 1	< 0.2	174	< 0.05	< 0.05	6.5	0.128	0.31	1.7	44	< 0.1
404004	891	< 0.05	2.04	0.1	55.0	710	12.9	56.9	< 0.002	< 0.01	< 0.05	19.3	< 1	0.4	191	< 0.05	< 0.05	7.3	0.188	0.35	2.1	58	< 0.1
404005	862	< 0.05	2.07	0.1	56.4	650	10.7	52.7	< 0.002	0.01	0.08	18.9	< 1	0.7	181	< 0.05	< 0.05	6.2	0.226	0.29	1.8	63	< 0.1
404006	881	0.17	2.03	0.4	54.5	650	11.8	54.7	< 0.002	< 0.01	0.10	19.5	< 1	0.9	192	< 0.05	< 0.05	8.0	0.360	0.32	1.9	83	< 0.1
404007	931	0.42	1.94	3.4	62.9	690	12.4	56.6	< 0.002	0.02	0.27	21.0	< 1	1.4	184	< 0.05	< 0.05	7.3	0.519	0.33	2.3	119	< 0.1
404008	722	0.61	1.87	6.2	68.1	800	13.4	67.6	< 0.002	< 0.01	0.26	21.0	< 1	1.5	186	0.10	< 0.05	8.2	0.559	0.41	3.1	138	0.1
404009	1630	0.53	1.76	0.5	96.7	780	15.7	70.2	< 0.002	< 0.01	0.12	24.3	< 1	0.9	162	< 0.05	< 0.05	8.8	0.405	0.43	4.4	117	< 0.1
404010	873	< 0.05	1.70	< 0.1	110	580	15.1	65.9	< 0.002	< 0.01	< 0.05	25.3	< 1	0.3	166	< 0.05	< 0.05	8.8	0.116	0.42	5.2	58	< 0.1
404011	1140	0.10	1.69	0.2	94.7	690	14.6	48.5	< 0.002	0.01	< 0.05	22.7	< 1	0.5	172	< 0.05	< 0.05	7.0	0.451	0.40	1.9	133	< 0.1
404012	1110	0.24	1.67	1.3	123	720	13.7	57.8	0.004	0.02	0.13	26.1	< 1	2.5	158	0.08	< 0.05	7.3	0.324	0.36	2.0	114	0.1
404013	1240	< 0.05	1.77	0.1	116	660	13.3	54.4	< 0.002	0.01	< 0.05	27.2	< 1	< 0.2	173	< 0.05	< 0.05	7.0	0.141	0.34	2.3	65	< 0.1
404014	1270	0.12	1.69	0.1	140	610	11.9	58.1	0.022	< 0.01	< 0.05	25.3	< 1	0.4	163	< 0.05	< 0.05	6.9	0.159	0.34	1.8	66	< 0.1

Analyte Symbol	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W
Unit Symbol	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
Lower Limit	5	0.05	0.01	0.1	0.2	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1	1	0.1
Method Code	TD-ICP	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-ICP	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-MS
404015	1690	0.07	1.89	0.1	97.6	670	14.9	60.3	< 0.002	0.01	0.08	20.5	< 1	0.8	193	< 0.05	< 0.05	8.4	0.188	0.36	2.3	60	< 0.1
404016	908	< 0.05	1.94	0.1	70.3	530	11.4	55.5	< 0.002	0.01	0.05	20.1	< 1	0.8	201	< 0.05	< 0.05	7.2	0.217	0.34	1.7	62	< 0.1
404017	1280	0.27	1.82	1.4	108	760	13.4	63.2	< 0.002	< 0.01	0.17	24.9	< 1	1.1	183	< 0.05	< 0.05	7.8	0.454	0.38	1.8	122	0.1
404018	1080	0.66	1.81	4.2	125	850	13.3	57.7	< 0.002	< 0.01	0.14	23.1	< 1	1.0	196	0.07	< 0.05	6.9	0.506	0.34	1.8	132	0.1
404019	939	0.35	1.94	2.2	93.8	670	12.0	57.3	< 0.002	0.02	0.15	21.0	< 1	1.1	194	< 0.05	< 0.05	6.5	0.458	0.34	1.8	116	< 0.1
404020	303	< 0.05	2.66	0.1	18.7	230	7.9	43.9	< 0.002	< 0.01	< 0.05	6.5	< 1	0.4	375	< 0.05	< 0.05	2.5	0.092	0.26	0.4	18	< 0.1
404021	686	< 0.05	2.08	0.1	49.9	730	13.7	59.8	< 0.002	0.01	< 0.05	17.2	< 1	0.3	221	< 0.05	< 0.05	7.8	0.131	0.36	2.0	43	< 0.1
404022	745	0.10	2.04	0.2	50.0	820	13.6	52.8	< 0.002	< 0.01	< 0.05	14.9	< 1	0.5	209	< 0.05	< 0.05	6.7	0.365	0.36	1.9	91	< 0.1
404023	901	< 0.05	2.07	0.2	66.8	670	15.2	63.6	< 0.002	< 0.01	< 0.05	18.0	< 1	0.3	218	< 0.05	< 0.05	8.7	0.266	0.40	2.1	72	< 0.1
404024	846	< 0.05	2.02	0.1	61.6	740	14.6	63.1	< 0.002	0.01	< 0.05	17.7	< 1	0.4	207	< 0.05	< 0.05	8.8	0.127	0.42	2.1	45	< 0.1
404025	881	< 0.05	1.96	0.1	93.8	650	9.5	41.6	< 0.002	< 0.01	0.05	24.3	< 1	0.4	197	< 0.05	< 0.05	5.6	0.161	0.25	1.6	50	< 0.1
404026	1100	0.23	1.83	1.1	108	740	12.0	52.1	< 0.002	< 0.01	0.13	24.4	< 1	0.9	187	< 0.05	< 0.05	9.7	0.450	0.31	1.7	121	< 0.1
404027	1410	0.53	1.75	6.2	106	820	12.4	54.2	< 0.002	< 0.01	0.17	25.7	< 1	1.3	172	0.12	< 0.05	6.5	0.600	0.32	1.5	159	0.1
404028	1340	0.26	1.90	1.9	89.6	750	10.3	48.3	< 0.002	< 0.01	0.12	23.9	< 1	1.2	182	< 0.05	< 0.05	5.7	0.513	0.27	1.4	126	< 0.1
404029	1120	0.08	1.98	0.1	73.7	700	10.9	52.0	< 0.002	0.01	0.10	23.2	< 1	0.9	191	< 0.05	< 0.05	6.9	0.306	0.30	1.6	86	< 0.1
404030	1140	< 0.05	1.95	0.1	80.1	640	11.3	51.4	< 0.002	< 0.01	0.08	22.9	< 1	0.6	189	< 0.05	< 0.05	6.5	0.191	0.28	1.6	61	< 0.1
404031	1070	< 0.05	1.60	< 0.1	88.8	700	15.8	78.7	< 0.002	0.02	< 0.05	23.7	< 1	0.4	144	< 0.05	< 0.05	8.7	0.195	0.45	2.5	85	< 0.1
404032	1060	< 0.05	1.96	< 0.1	56.5	670	12.8	59.2	< 0.002	< 0.01	< 0.05	19.8	< 1	0.5	192	< 0.05	< 0.05	10.3	0.172	0.34	1.9	49	0.1
404033	818	< 0.05	2.09	0.1	49.0	650	12.5	51.4	< 0.002	< 0.01	< 0.05	19.6	< 1	0.3	205	< 0.05	< 0.05	6.9	0.118	0.29	1.9	36	< 0.1
404034	791	< 0.05	2.03	0.1	54.5	650	13.3	58.8	< 0.002	< 0.01	< 0.05	19.2	< 1	0.7	214	< 0.05	< 0.05	7.3	0.215	0.35	2.6	54	< 0.1
404035	709	0.05	2.05	0.1	53.2	560	12.0	54.1	< 0.002	< 0.01	0.05	20.6	< 1	0.9	213	< 0.05	< 0.05	6.6	0.209	0.31	2.0	52	< 0.1
404036	1020	0.14	1.95	0.4	67.8	710	14.4	56.2	< 0.002	< 0.01	0.10	20.9	< 1	1.1	180	< 0.05	< 0.05	6.6	0.387	0.32	2.1	91	< 0.1
404037	882	0.20	1.94	0.5	63.7	630	12.7	61.8	< 0.002	< 0.01	0.15	20.0	< 1	1.1	192	< 0.05	< 0.05	7.3	0.342	0.37	2.0	88	< 0.1
404038	931	< 0.05	1.96	< 0.1	59.5	580	13.4	62.0	< 0.002	< 0.01	< 0.05	19.0	< 1	0.8	199	< 0.05	< 0.05	7.4	0.150	0.37	2.0	50	< 0.1
404039	1070	0.08	1.92	0.1	75.4	730	13.5	65.9	< 0.002	< 0.01	0.09	19.7	< 1	0.9	190	< 0.05	< 0.05	7.7	0.260	0.56	1.9	73	< 0.1
404040	305	0.12	2.62	2.4	19.7	250	8.1	39.6	< 0.002	< 0.01	< 0.05	6.3	< 1	0.7	359	0.05	< 0.05	1.0	0.190	0.25	0.4	43	0.1
404041	1010	< 0.05	1.96	< 0.1	76.7	660	15.2	62.2	< 0.002	< 0.01	< 0.05	20.5	< 1	< 0.2	197	< 0.05	< 0.05	8.1	0.201	0.38	2.0	67	< 0.1
404042	991	< 0.05	1.82	0.1	84.0	710	15.3	70.4	< 0.002	< 0.01	< 0.05	20.6	< 1	0.3	189	< 0.05	< 0.05	8.8	0.143	0.45	1.9	57	< 0.1
404043	1170	0.12	1.69	0.1	116	730	15.0	71.2	< 0.002	0.01	0.12	24.8	< 1	0.8	167	< 0.05	< 0.05	11.2	0.213	0.43	2.2	72	< 0.1
404044	880	0.05	2.00	0.1	67.4	730	11.9	54.2	< 0.002	< 0.01	0.14	20.2	< 1	0.9	211	< 0.05	< 0.05	6.8	0.208	0.30	1.9	55	< 0.1
404045	774	0.13	1.95	0.4	73.0	690	13.7	62.9	< 0.002	0.02	0.08	17.8	< 1	0.8	207	< 0.05	< 0.05	7.8	0.305	0.39	2.0	78	< 0.1
404046	1290	0.75	1.48	6.8	189	720	13.1	61.3	< 0.002	0.02	0.20	26.4	< 1	1.1	142	0.19	< 0.05	6.7	0.562	0.37	1.7	167	0.2
404047	876	0.62	1.97	4.2	69.2	820	13.9	68.3	< 0.002	< 0.01	0.20	20.3	< 1	1.3	214	0.06	< 0.05	8.7	0.527	0.41	1.9	126	0.1
404048	1070	0.10	2.01	0.1	77.6	760	12.4	59.5	< 0.002	< 0.01	0.08	21.5	< 1	0.9	206	< 0.05	< 0.05	7.6	0.256	0.35	1.8	73	< 0.1
404049	949	< 0.05	1.85	0.1	91.9	670	11.6	50.9	< 0.002	0.01	< 0.05	24.2	< 1	0.5	201	< 0.05	< 0.05	6.5	0.180	0.31	1.7	62	0.1
404050	859	0.17	1.87	0.4	83.1	820	13.9	43.4	< 0.002	0.01	< 0.05	16.6	< 1	0.5	189	< 0.05	< 0.05	5.8	0.358	0.39	1.7	99	< 0.1
404051	1060	0.05	2.02	0.1	62.9	750	13.3	59.3	< 0.002	< 0.01	< 0.05	18.0	< 1	0.3	224	< 0.05	< 0.05	7.8	0.302	0.38	1.9	81	< 0.1
404052	805	< 0.05	2.07	0.8	62.4	700	12.6	56.9	< 0.002	< 0.01	< 0.05	19.6	< 1	0.2	236	< 0.05	< 0.05	8.1	0.171	0.35	1.9	54	0.1
404053	868	< 0.05	1.96	0.1	54.6	700	15.8	73.8	< 0.002	< 0.01	< 0.05	18.4	< 1	0.4	195	< 0.05	< 0.05	8.9	0.151	0.46	2.3	55	< 0.1
404054	785	< 0.05	1.89	0.1	83.7	600	13.4	64.8	< 0.002	< 0.01	< 0.05	20.6	< 1	0.8	201	< 0.05	< 0.05	7.8	0.147	0.40	2.4	47	< 0.1
404055	631	< 0.05	2.05	0.1	47.3	670	14.0	68.9	< 0.002	< 0.01	< 0.05	16.7	< 1	0.8	216	< 0.05	< 0.05	8.9	0.146	0.41	2.3	45	< 0.1
404056	1280	0.34	1.71	2.1	114	740	13.8	62.4	< 0.002	0.01	0.22	25.3	< 1	0.9	166	< 0.05	< 0.05	7.5	0.478	0.39	1.9	132	< 0.1

Analyte Symbol	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W
Unit Symbol	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
Lower Limit	5	0.05	0.01	0.1	0.2	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1	1	0.1
Method Code	TD-ICP	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-ICP	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-MS
404057	1250	0.73	1.71	5.8	105	780	13.9	64.9	< 0.002	0.03	0.30	23.7	< 1	1.4	171	0.10	< 0.05	7.8	0.591	0.40	2.0	153	0.1
404058	881	0.63	1.94	3.3	94.2	790	14.0	65.7	< 0.002	0.01	0.23	21.0	< 1	1.4	209	< 0.05	< 0.05	8.2	0.527	0.38	2.5	120	0.1
404059	864	0.10	1.99	0.1	55.3	590	16.4	60.1	< 0.002	< 0.01	0.15	19.8	< 1	1.1	200	< 0.05	< 0.05	7.6	0.277	0.36	2.1	67	< 0.1
404060	850	< 0.05	1.99	0.1	53.4	590	16.1	59.3	< 0.002	< 0.01	0.06	18.9	< 1	0.6	201	< 0.05	< 0.05	7.6	0.179	0.35	2.1	52	< 0.1
404061	1300	0.10	1.92	1.3	86.0	830	12.0	43.4	< 0.002	< 0.01	< 0.05	22.9	< 1	0.4	198	< 0.05	< 0.05	5.6	0.356	0.36	1.5	113	< 0.1
404062	1050	< 0.05	2.09	< 0.1	65.5	700	11.1	46.4	< 0.002	< 0.01	< 0.05	24.2	< 1	< 0.2	219	< 0.05	< 0.05	6.4	0.178	0.31	1.6	65	< 0.1
404063	1160	< 0.05	1.95	0.5	70.3	760	11.7	53.2	< 0.002	0.01	< 0.05	23.4	< 1	0.3	208	< 0.05	< 0.05	7.1	0.143	0.35	1.7	62	0.1
404064	1060	0.05	1.95	0.1	70.7	730	11.9	54.8	< 0.002	0.01	0.05	22.8	< 1	0.7	204	< 0.05	< 0.05	6.8	0.185	0.36	1.7	63	< 0.1
404065	1030	< 0.05	2.01	0.1	66.1	840	12.4	54.6	< 0.002	0.01	< 0.05	21.8	< 1	0.4	221	< 0.05	< 0.05	15.8	0.138	0.34	1.9	51	< 0.1
404066	1250	0.11	1.77	0.3	95.1	740	14.2	64.1	< 0.002	0.01	0.13	25.3	< 1	0.7	179	< 0.05	< 0.05	7.9	0.286	0.44	2.0	88	< 0.1
404067	867	0.12	1.89	0.1	74.8	690	13.3	63.0	< 0.002	0.01	0.10	23.7	< 1	1.0	195	< 0.05	< 0.05	8.3	0.252	0.39	12.3	74	< 0.1
404068	884	0.17	1.93	0.2	72.0	780	14.6	67.5	< 0.002	< 0.01	0.06	20.4	< 1	0.8	196	< 0.05	< 0.05	9.1	0.282	0.42	2.2	76	< 0.1
404069	1370	0.06	1.73	0.1	142	760	14.7	60.0	< 0.002	0.01	< 0.05	23.4	< 1	0.3	176	< 0.05	< 0.05	8.0	0.143	0.38	2.0	60	< 0.1
404070	914	< 0.05	2.04	0.1	78.4	800	15.8	70.5	< 0.002	< 0.01	< 0.05	19.6	< 1	< 0.2	209	< 0.05	< 0.05	8.8	0.246	0.44	2.5	77	< 0.1
404071	1050	< 0.05	1.91	< 0.1	76.0	660	13.5	61.0	< 0.002	< 0.01	< 0.05	22.5	< 1	0.3	199	< 0.05	< 0.05	7.9	0.155	0.40	2.0	59	< 0.1
404072	809	0.06	1.98	< 0.1	55.3	690	14.6	66.6	< 0.002	< 0.01	< 0.05	17.7	< 1	0.3	197	< 0.05	< 0.05	9.4	0.174	0.41	2.3	57	< 0.1
404073	769	< 0.05	1.85	0.1	66.1	670	13.9	69.8	< 0.002	< 0.01	< 0.05	20.5	< 1	0.4	188	< 0.05	< 0.05	8.6	0.139	0.43	2.2	55	< 0.1
404074	1220	0.05	1.79	0.1	95.0	720	13.9	62.9	< 0.002	< 0.01	0.13	25.1	< 1	0.8	183	< 0.05	< 0.05	7.3	0.183	0.40	1.9	65	< 0.1
404075	1150	< 0.05	1.94	0.1	79.4	720	13.0	56.3	< 0.002	< 0.01	0.10	23.9	< 1	1.0	193	< 0.05	< 0.05	7.2	0.196	0.35	1.9	64	< 0.1
404076	1360	0.15	1.83	0.5	96.5	790	13.2	62.0	< 0.002	< 0.01	0.12	24.4	< 1	0.8	178	< 0.05	< 0.05	7.3	0.345	0.39	2.0	104	< 0.1
404077	1220	< 0.05	1.80	0.1	89.2	690	13.0	61.6	< 0.002	0.01	0.08	23.8	< 1	0.8	180	< 0.05	< 0.05	7.6	0.168	0.37	2.4	53	0.1
404078	1210	< 0.05	1.75	0.1	101	650	14.3	63.8	< 0.002	< 0.01	< 0.05	25.1	< 1	< 0.2	172	< 0.05	< 0.05	7.8	0.251	0.39	2.1	79	< 0.1
404079	1160	1.17	1.72	12.6	111	850	14.9	51.4	< 0.002	0.02	0.71	22.4	< 1	1.8	161	0.74	0.08	5.9	0.661	0.44	2.4	175	0.9
404080	528	0.10	0.10	0.2	244	350	22.3	41.3	< 0.002	0.04	< 0.05	54.1	2	0.3	28.1	< 0.05	0.08	14.1	0.193	0.26	3.0	126	< 0.1
404081	1110	< 0.05	1.73	0.1	118	620	13.2	60.4	< 0.002	0.01	< 0.05	25.3	< 1	< 0.2	171	< 0.05	< 0.05	7.7	0.181	0.38	1.9	70	< 0.1
404082	944	< 0.05	1.90	0.1	84.3	570	13.1	60.0	< 0.002	0.01	< 0.05	21.8	< 1	0.2	180	< 0.05	< 0.05	7.8	0.245	0.37	2.1	71	< 0.1
404083	723	< 0.05	2.03	0.1	59.4	630	14.9	71.0	< 0.002	< 0.01	< 0.05	17.6	< 1	0.3	214	< 0.05	< 0.05	9.3	0.153	0.45	2.6	50	< 0.1
404084	1040	< 0.05	1.84	< 0.1	122	690	13.6	63.9	< 0.002	< 0.01	< 0.05	21.3	< 1	0.6	201	< 0.05	< 0.05	8.0	0.137	0.38	1.6	57	< 0.1
404085	1230	0.49	1.72	2.0	132	840	15.5	72.6	< 0.002	0.01	0.22	23.9	< 1	1.7	174	< 0.05	< 0.05	8.5	0.458	0.45	2.2	130	0.1
404086	994	0.26	1.88	0.7	154	750	13.6	63.3	< 0.002	< 0.01	0.09	20.6	< 1	0.9	198	< 0.05	< 0.05	7.5	0.382	0.39	1.7	97	< 0.1
404087	842	0.46	1.77	4.5	161	740	11.3	58.6	< 0.002	0.02	0.17	24.2	< 1	1.1	194	0.06	< 0.05	6.7	0.549	0.35	1.8	145	< 0.1
404088	1110	< 0.05	2.07	0.3	68.6	780	11.3	51.2	< 0.002	< 0.01	0.12	22.0	< 1	0.9	186	< 0.05	< 0.05	6.6	0.319	0.28	1.8	79	< 0.1
404089	1090	0.09	2.03	1.1	68.2	820	12.4	33.6	< 0.002	< 0.01	< 0.05	18.5	< 1	0.6	177	< 0.05	0.05	4.6	0.462	0.29	1.6	105	< 0.1
404090	923	< 0.05	2.00	0.1	66.0	630	12.7	48.2	< 0.002	< 0.01	< 0.05	20.1	< 1	0.2	184	< 0.05	< 0.05	6.3	0.332	0.28	1.6	83	< 0.1
404091	1110	< 0.05	2.00	0.1	66.2	660	13.1	53.8	< 0.002	< 0.01	< 0.05	21.3	< 1	0.2	166	< 0.05	< 0.05	6.1	0.232	0.30	1.8	65	< 0.1
404092	1460	< 0.05	1.84	0.1	81.0	520	13.2	61.3	< 0.002	0.01	< 0.05	21.5	< 1	0.7	163	< 0.05	< 0.05	7.8	0.162	0.36	1.9	53	< 0.1
404093	1130	0.12	1.75	0.2	96.8	710	13.5	68.1	< 0.002	0.01	0.06	23.5	< 1	0.9	168	< 0.05	< 0.05	7.9	0.315	0.39	1.9	87	< 0.1
404094	1150	0.21	1.76	0.2	99.1	740	13.4	61.5	< 0.002	< 0.01	0.12	23.0	< 1	1.0	162	< 0.05	< 0.05	7.6	0.361	0.35	2.1	96	< 0.1
404095	1100	0.09	1.75	0.4	76.0	580	12.0	61.8	< 0.002	0.01	0.08	21.6	< 1	0.7	151	< 0.05	< 0.05	7.1	0.311	0.37	1.8	87	< 0.1
404096	1080	0.39	1.86	3.0	76.6	810	13.4	58.2	< 0.002	0.01	0.11	20.3	< 1	1.3	170	< 0.05	< 0.05	6.3	0.517	0.33	1.8	119	< 0.1
404097	1250	0.16	1.59	0.5	93.5	660	17.2	51.3	< 0.002	< 0.01	0.06	22.3	< 1	0.8	143	< 0.05	< 0.05	5.2	0.389	0.30	1.7	101	< 0.1
404098	1150	0.10	1.77	0.8	132	590	15.3	39.2	< 0.002	< 0.01	0.05	23.5	< 1	0.3	155	< 0.05	< 0.05	4.9	0.380	0.23	1.6	94	< 0.1

Analyte Symbol	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W
Unit Symbol	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
Lower Limit	5	0.05	0.01	0.1	0.2	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1	1	0.1
Method Code	TD-ICP	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-ICP	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-MS
404099	817	0.13	1.90	0.8	60.3	730	15.6	41.7	< 0.002	0.01	< 0.05	15.1	< 1	0.7	193	< 0.05	< 0.05	7.4	0.420	0.41	1.9	105	< 0.1
404100	274	0.28	2.69	2.2	19.7	200	7.9	46.9	< 0.002	< 0.01	< 0.05	6.1	< 1	0.7	361	0.05	< 0.05	1.9	0.174	0.25	0.5	43	0.1
404101	1010	< 0.05	1.78	0.1	130	470	12.0	54.2	< 0.002	0.01	< 0.05	23.8	< 1	< 0.2	171	< 0.05	< 0.05	6.7	0.159	0.33	1.7	58	< 0.1
404102	824	< 0.05	2.04	0.1	76.7	510	12.1	53.3	< 0.002	< 0.01	< 0.05	21.7	< 1	< 0.2	235	< 0.05	< 0.05	7.3	0.148	0.32	2.0	53	< 0.1
404103	1060	< 0.05	2.15	0.1	62.4	620	12.7	60.2	< 0.002	< 0.01	< 0.05	20.8	< 1	0.4	194	< 0.05	< 0.05	7.6	0.156	0.34	2.0	53	< 0.1
404104	1410	0.09	1.65	0.2	110	780	15.1	70.1	< 0.002	< 0.01	0.10	26.1	< 1	0.6	151	< 0.05	< 0.05	8.1	0.227	0.41	1.9	76	< 0.1
404105	1190	0.23	1.81	0.6	94.7	740	13.0	64.9	< 0.002	0.01	0.14	25.1	< 1	1.2	175	< 0.05	0.05	7.6	0.434	0.37	1.9	113	< 0.1
404106	1200	0.08	1.75	0.4	90.2	680	11.4	59.3	< 0.002	< 0.01	0.07	27.2	< 1	0.4	160	< 0.05	< 0.05	4.8	0.311	0.36	1.3	99	< 0.1
404107	985	0.21	1.93	0.4	84.6	790	17.1	54.9	< 0.002	< 0.01	0.15	21.3	< 1	1.1	194	< 0.05	< 0.05	6.3	0.376	0.32	1.9	95	< 0.1
404108	981	< 0.05	1.85	0.1	84.5	570	11.7	51.1	< 0.002	< 0.01	0.09	22.6	< 1	0.8	172	< 0.05	< 0.05	6.1	0.228	0.29	1.8	63	< 0.1
404109	947	< 0.05	1.86	0.2	63.4	640	11.0	51.5	< 0.002	0.01	< 0.05	19.8	< 1	0.2	170	< 0.05	< 0.05	5.8	0.168	0.31	1.9	59	< 0.1
404110	1040	< 0.05	1.99	< 0.1	64.1	680	13.9	61.0	< 0.002	< 0.01	< 0.05	20.3	< 1	0.2	197	< 0.05	< 0.05	7.8	0.112	0.35	2.1	45	< 0.1
404111	1000	< 0.05	2.02	< 0.1	67.4	630	11.9	51.8	< 0.002	< 0.01	0.06	22.1	< 1	0.8	214	< 0.05	< 0.05	6.9	0.128	0.29	2.0	47	< 0.1
404112	934	< 0.05	2.12	0.1	55.5	660	11.6	47.1	< 0.002	< 0.01	< 0.05	21.9	< 1	0.5	214	< 0.05	< 0.05	6.3	0.152	0.29	1.9	43	< 0.1
404113	923	< 0.05	2.06	0.1	60.7	690	12.5	55.8	< 0.002	< 0.01	< 0.05	20.0	< 1	0.8	210	< 0.05	< 0.05	7.0	0.123	0.32	2.0	43	< 0.1
404114	779	< 0.05	2.09	0.1	52.3	610	11.4	51.2	< 0.002	< 0.01	< 0.05	18.6	< 1	0.4	214	< 0.05	< 0.05	6.9	0.121	0.31	1.8	38	< 0.1
404115	932	< 0.05	2.18	0.2	62.9	870	10.6	52.9	< 0.002	< 0.01	< 0.05	21.8	< 1	0.5	259	< 0.05	< 0.05	6.7	0.165	0.32	1.6	50	< 0.1
404116	958	< 0.05	2.06	0.2	70.6	860	11.6	55.6	< 0.002	0.02	< 0.05	22.3	< 1	0.5	232	< 0.05	< 0.05	7.6	0.174	0.32	1.9	54	< 0.1
404117	905	0.17	2.17	6.6	63.0	1090	10.5	30.7	< 0.002	< 0.01	0.08	17.4	< 1	0.9	271	0.16	0.07	4.6	0.487	0.27	1.5	106	0.1
404118	836	< 0.05	2.16	0.1	65.3	1010	13.4	57.9	< 0.002	< 0.01	< 0.05	19.8	< 1	0.3	251	< 0.05	< 0.05	8.5	0.267	0.35	2.2	71	< 0.1
404119	1070	< 0.05	2.19	0.1	62.3	980	10.5	42.1	< 0.002	< 0.01	< 0.05	23.2	< 1	< 0.2	278	< 0.05	< 0.05	6.0	0.170	0.30	1.8	66	< 0.1
404120	1050	< 0.05	2.19	0.2	61.4	940	10.4	46.9	< 0.002	0.01	< 0.05	23.6	< 1	0.7	287	< 0.05	< 0.05	6.5	0.165	0.30	1.8	62	< 0.1
404121	902	< 0.05	2.03	0.1	68.2	870	12.4	51.4	< 0.002	0.02	< 0.05	21.1	< 1	0.5	244	< 0.05	< 0.05	9.0	0.143	0.32	1.8	57	< 0.1
404122	938	< 0.05	2.25	0.1	68.0	900	12.8	51.4	< 0.002	< 0.01	< 0.05	17.6	< 1	0.4	246	< 0.05	< 0.05	9.8	0.149	0.31	2.0	50	< 0.1
404123	1020	0.07	2.18	0.2	64.7	860	9.5	40.4	< 0.002	< 0.01	0.05	24.6	< 1	0.8	287	< 0.05	< 0.05	5.2	0.234	0.24	1.6	71	< 0.1
404124	991	< 0.05	2.05	0.2	72.2	930	12.8	53.0	< 0.002	0.02	0.05	23.3	< 1	0.8	250	< 0.05	< 0.05	7.6	0.208	0.33	2.3	73	< 0.1
404125	1090	0.05	2.13	0.2	73.6	920	10.0	44.6	< 0.002	< 0.01	0.07	25.9	< 1	0.8	298	< 0.05	< 0.05	5.5	0.247	0.26	1.8	80	< 0.1
404126	1080	< 0.05	2.15	0.2	73.9	960	10.9	49.2	< 0.002	< 0.01	0.06	23.1	< 1	1.0	269	< 0.05	< 0.05	6.8	0.178	0.29	2.2	63	< 0.1
403094	643	< 0.05	2.30	0.1	41.5	910	13.7	54.3	< 0.002	< 0.01	< 0.05	16.6	< 1	0.2	312	< 0.05	< 0.05	7.7	0.166	0.34	3.1	48	< 0.1

Analyte Symbol	Y	Zn	Zr
Unit Symbol	ppm	ppm	ppm
Lower Limit	0.1	2	0.5
Method Code	TD-MS	TD-ICP	TD-MS
402501	18.9	101	78.1
402502	18.8	91	114
402503	21.8	92	96.4
402504	16.8	77	155
402505	17.9	86	133
402506	19.7	86	166
402507	15.7	79	140
402509	16.2	82	153
402510	16.9	82	180
402511	18.1	90	146
402512	19.6	106	121
402513	18.8	111	77.6
402514	17.8	91	59.0
402515	18.0	95	63.8
402516	15.3	72	56.1
402517	13.1	79	39.0
402518	17.6	101	97.9
402519	22.4	125	117
402520	7.3	20	64.6
402521	14.2	68	106
402522	18.5	75	139
402523	21.1	96	125
402524	16.0	90	123
402525	18.7	79	127
402526	17.2	89	95.1
402527	19.1	94	100
402528	19.6	89	123
402529	20.9	98	114
402530	19.5	84	119
402531	13.4	65	172
402532	18.6	84	141
402533	21.2	100	120
402534	20.9	78	110
402535	17.6	74	129
402536	18.5	82	120
402537	20.3	79	128
402538	19.2	78	110
402539	18.6	74	91.2
402540	12.9	139	260
402541	19.6	73	155
402542	20.1	82	114
402543	18.6	92	94.5

Analyte Symbol	Y	Zn	Zr
Unit Symbol	ppm	ppm	ppm
Lower Limit	0.1	2	0.5
Method Code	TD-MS	TD-ICP	TD-MS
402544	18.4	86	100
402545	19.5	89	101
402546	20.1	81	128
402547	20.6	88	145
402548	18.1	95	122
402549	15.0	74	160
402550	18.7	99	131
402551	14.8	83	136
402552	18.0	94	67.9
402553	17.8	76	96.4
402554	18.0	66	123
402555	18.5	74	106
402556	18.8	95	143
402557	19.3	75	87.0
402558	19.5	106	68.5
402559	15.5	181	111
402560	16.6	208	86.7
402561	18.3	89	131
402562	19.3	84	125
403001	19.5	84	74.7
403002	15.4	88	94.2
403003	18.4	83	109
403004	19.0	90	119
403005	19.1	61	121
403006	15.7	81	108
403007	16.6	80	87.1
403008	21.6	110	124
403009	19.7	81	113
403010	19.3	79	105
403011	19.6	98	88.5
403012	20.1	83	91.9
403013	18.8	73	104
403014	20.8	73	101
403015	16.3	79	99.4
403016	17.6	76	66.6
403017	20.7	78	132
403018	18.3	71	97.2
403019	17.5	72	101
403020	10.7	51	59.5
403021	18.3	83	61.4
403022	20.3	91	72.8
403023	19.4	92	54.2

Analyte Symbol	Y	Zn	Zr
Unit Symbol	ppm	ppm	ppm
Lower Limit	0.1	2	0.5
Method Code	TD-MS	TD-ICP	TD-MS
403024	20.4	91	49.4
403025	14.9	87	109
403026	21.8	92	160
403027	20.0	91	92.5
403028	22.4	116	74.0
403029	17.5	90	69.5
403030	19.5	100	108
403031	17.9	74	76.5
403032	18.1	76	115
403033	19.3	90	89.7
403034	19.6	94	105
403035	20.6	97	99.0
403036	17.5	78	88.6
403037	19.0	72	168
403038	18.7	91	100
403039	17.5	72	86.0
403040	13.9	47	81.2
403041	20.2	86	121
403042	14.0	86	84.5
403043	15.6	77	88.8
403044	18.0	78	141
403045	17.3	72	141
403046	19.6	85	106
403047	16.6	72	122
403048	17.8	75	116
403049	18.0	78	49.9
403050	17.1	77	76.1
403051	17.8	69	101
403052	14.1	79	104
403053	17.1	85	126
403054	18.1	80	135
403055	22.3	92	137
403056	18.3	85	78.7
403057	19.6	117	58.0
403058	20.0	91	95.7
403059	15.1	83	99.2
403060	15.4	83	101
403061	13.1	82	120
403062	19.5	83	112
403063	19.9	81	101
403064	17.3	83	128
403065	19.1	83	109

Analyte Symbol	Y	Zn	Zr
Unit Symbol	ppm	ppm	ppm
Lower Limit	0.1	2	0.5
Method Code	TD-MS	TD-ICP	TD-MS
403066	15.8	77	118
403067	16.3	82	110
403068	18.7	86	110
403069	18.5	93	109
403070	17.7	73	160
403071	18.5	69	115
403072	18.5	117	121
403073	16.6	84	77.8
403074	16.7	70	129
403075	17.0	80	106
403076	18.2	92	96.9
403077	17.4	83	74.7
403078	18.7	81	77.7
403079	16.2	84	111
403080	12.9	47	114
403081	17.4	85	128
403082	17.3	83	150
403083	16.8	91	104
403084	15.8	82	88.2
403085	19.3	87	52.9
403086	16.6	90	105
403087	16.0	81	22.5
403088	17.1	78	75.6
403089	17.1	73	71.3
403090	17.7	91	80.9
403091	16.4	72	99.9
403092	17.7	81	85.8
403093	14.4	78	156
404001	22.0	77	114
404002	20.3	76	35.9
404003	22.3	85	20.7
404004	19.5	85	80.8
404005	19.2	78	73.6
404006	19.4	77	116
404007	21.0	96	157
404008	18.5	91	163
404009	20.0	108	151
404010	20.9	112	35.4
404011	18.7	105	159
404012	20.2	99	132
404013	20.8	90	52.6
404014	19.0	91	57.4

Analyte Symbol	Y	Zn	Zr
Unit Symbol	ppm	ppm	ppm
Lower Limit	0.1	2	0.5
Method Code	TD-MS	TD-ICP	TD-MS
404015	18.3	90	84.5
404016	16.5	74	83.6
404017	19.8	90	137
404018	17.2	85	154
404019	17.8	89	141
404020	7.5	20	40.6
404021	15.6	72	112
404022	16.2	76	165
404023	18.6	83	83.8
404024	16.8	85	87.4
404025	18.9	77	80.9
404026	18.2	85	133
404027	19.5	95	146
404028	19.0	82	131
404029	18.9	84	98.5
404030	20.1	81	77.5
404031	20.3	129	54.5
404032	22.0	84	52.6
404033	22.0	73	80.8
404034	19.9	79	91.7
404035	19.4	77	80.9
404036	23.0	91	107
404037	19.0	82	131
404038	18.6	79	40.2
404039	19.4	91	91.6
404040	6.7	19	78.0
404041	19.4	91	95.1
404042	18.7	95	65.9
404043	19.8	106	86.3
404044	19.4	74	83.4
404045	15.6	73	136
404046	17.3	95	137
404047	18.2	86	152
404048	19.6	90	83.5
404049	19.2	82	74.7
404050	14.5	90	144
404051	17.9	85	128
404052	19.0	80	115
404053	18.6	101	49.5
404054	19.4	91	63.4
404055	17.8	80	94.6
404056	19.0	95	125

Analyte Symbol	Y	Zn	Zr
Unit Symbol	ppm	ppm	ppm
Lower Limit	0.1	2	0.5
Method Code	TD-MS	TD-ICP	TD-MS
404057	18.2	93	147
404058	19.1	84	149
404059	21.5	83	112
404060	21.4	83	86.3
404061	18.0	98	132
404062	19.8	86	41.6
404063	19.4	100	72.8
404064	19.1	107	70.7
404065	20.6	92	96.3
404066	19.4	109	92.6
404067	19.7	100	82.3
404068	19.3	94	107
404069	20.3	101	71.7
404070	19.7	106	51.4
404071	19.8	97	28.9
404072	18.6	91	19.3
404073	18.4	95	46.7
404074	19.4	106	74.3
404075	20.3	93	79.3
404076	19.7	103	108
404077	23.3	91	65.2
404078	21.2	98	12.0
404079	16.3	109	163
404080	10.6	47	83.5
404081	20.9	98	32.5
404082	19.2	88	18.8
404083	19.3	87	30.0
404084	18.6	95	66.3
404085	19.6	105	143
404086	18.4	85	124
404087	18.6	90	138
404088	22.9	83	111
404089	19.2	97	154
404090	19.8	79	119
404091	22.2	93	44.4
404092	18.6	91	46.9
404093	20.1	94	103
404094	20.1	93	107
404095	18.1	87	109
404096	20.3	89	137
404097	20.0	81	114
404098	19.4	77	121

Analyte Symbol	Y	Zn	Zr
Unit Symbol	ppm	ppm	ppm
Lower Limit	0.1	2	0.5
Method Code	TD-MS	TD-ICP	TD-MS
404099	13.7	78	183
404100	6.6	19	61.3
404101	17.9	83	41.2
404102	19.8	73	109
404103	18.2	81	22.3
404104	21.3	103	85.7
404105	19.6	87	120
404106	19.1	82	91.7
404107	19.6	79	125
404108	21.2	87	76.6
404109	19.8	87	108
404110	19.9	87	34.8
404111	21.1	79	58.4
404112	22.4	77	93.3
404113	22.7	78	67.7
404114	19.6	75	86.8
404115	19.1	77	101
404116	19.9	87	106
404117	16.3	71	170
404118	21.0	77	154
404119	20.8	87	105
404120	21.2	87	71.2
404121	19.0	82	83.5
404122	19.6	84	88.7
404123	19.2	82	87.8
404124	19.6	102	88.6
404125	19.1	85	83.9
404126	19.5	84	75.2
403094	17.7	65	144

Analyte Symbol	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg
Unit Symbol	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%
Lower Limit	5	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01
Method Code	FA-AA	TD-MS	TD-ICP	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP
GXR-1 Meas			1.87		710			0.90				27			24.2					0.04			0.21
GXR-1 Cert			3.52		750			0.960				12.0			23.6					0.050			0.217
GXR-1 Meas			1.93		700			0.91				29			24.0					0.04			0.21
GXR-1 Cert			3.52		750			0.960				12.0			23.6					0.050			0.217
DH-1a Meas																							
DH-1a Cert																							
DH-1a Meas																							
DH-1a Cert																							
GXR-4 Meas		3.17	6.00	104	120	2.10	15.8	1.08	0.17	102	13.3	61	2.44	5920	3.04	15.8		1.2	0.180	2.61	52.4	10.5	1.71
GXR-4 Cert		4.00	7.20	98.0	1640	1.90	19.0	1.01	0.860	102	14.6	64.0	2.80	6520	3.09	20.0		6.30	0.270	4.01	64.5	11.1	1.66
GXR-4 Meas		3.42	5.94	105	90	2.10	17.8	1.09	0.09	108	13.4	44	2.55	6550	3.02	17.7		1.2	0.200	3.89	52.8	11.5	1.69
GXR-4 Cert		4.00	7.20	98.0	1640	1.90	19.0	1.01	0.860	102	14.6	64.0	2.80	6520	3.09	20.0		6.30	0.270	4.01	64.5	11.1	1.66
SDC-1 Meas			7.08	< 0.2	630	3.10		1.04		86.5	16.2	55	3.84	32.8	4.62	18.4		1.0		1.88	37.5	36.8	0.97
SDC-1 Cert			8.34	0.220	630	3.00		1.00		93.00	18.0	64.00	4.00	30.000	4.82	21.00		8.30		2.72	42.00	34.0	1.02
SDC-1 Meas			7.41		650			1.08				42			4.54					2.55			0.96
SDC-1 Cert			8.34		630			1.00				64.00			4.82					2.72			1.02
GXR-6 Meas		0.16	11.7	256	1240	1.30	0.18	0.18	0.15	36.4	13.1	40	4.44	67.3	5.57	26.0		1.9	0.060	1.81	12.8	36.4	0.60
GXR-6 Cert		1.30	17.7	330	1300	1.40	0.290	0.180	1.00	36.0	13.8	96.0	4.20	66.0	5.58	35.0		4.30	0.260	1.87	13.9	32.0	0.609
GXR-6 Meas		0.13	11.6	273	1250	1.30	0.19	0.18	0.07	35.3	12.7	70	4.31	67.8	5.66	20.7		2.1	0.070	1.82	12.3	35.7	0.61
GXR-6 Cert		1.30	17.7	330	1300	1.40	0.290	0.180	1.00	36.0	13.8	96.0	4.20	66.0	5.58	35.0		4.30	0.260	1.87	13.9	32.0	0.609
DNC-1a Meas					100						53.3	163		94.2		13.8					3.7	4.8	
DNC-1a Cert					118						57	270		100		15					3.6	5.2	
DNC-1a Meas					100						50.6	127		92.3		12.9					3.3	4.6	
DNC-1a Cert					118						57	270		100		15					3.6	5.2	
SBC-1 Meas				23.0	620	3.10	0.58		0.39	88.8	17.3	65	6.74	23.8		20.6		2.9			39.9	145	
SBC-1 Cert				25.7	788.0	3.20	0.70		0.40	108.0	22.7	109	8.2	31.0000		27.0		3.7			52.5	163	
SBC-1 Meas					670							99											
SBC-1 Cert					788.0							109											
OREAS 45d (4-Acid) Meas			7.48	6.4	200	0.80	0.30	0.21		36.5	27.6	541	3.73	369	14.4	20.9		2.5	0.090	0.40	16.4	21.5	0.25
OREAS 45d (4-Acid) Cert			8.150	13.8	183.0	0.79	0.31	0.185		37.20	29.50	549	3.910	371	14.5	21.20		3.830	0.096	0.412	16.9	21.5	0.245
OREAS 45d (4-Acid) Meas			7.73	7.8	200	0.90	0.32	0.21		36.3	27.8	550	3.77	376	14.5	21.2		2.0	0.090	0.40	15.8	22.3	0.25
OREAS 45d (4-Acid) Cert			8.150	13.8	183.0	0.79	0.31	0.185		37.20	29.50	549	3.910	371	14.5	21.20		3.830	0.096	0.412	16.9	21.5	0.245
SdAR-M2 (U.S.G.S.) Meas					1040							39											
SdAR-M2 (U.S.G.S.) Cert					990							49.6											
SdAR-M2 (U.S.G.S.) Meas					1060							44											
SdAR-M2					990							49.6											

Analyte Symbol	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg
Unit Symbol	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%
Lower Limit	5	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01
Method Code	FA-AA	TD-MS	TD-ICP	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP
(U.S.G.S.) Cert																							
OREAS 223 (Fire Assay) Meas	1840																						
OREAS 223 (Fire Assay) Cert	1780																						
OREAS 223 (Fire Assay) Meas	1850																						
OREAS 223 (Fire Assay) Cert	1780																						
OREAS 218 Meas	555																						
OREAS 218 Cert	531																						
OREAS 218 Meas	563																						
OREAS 218 Cert	531																						
OREAS 218 Meas	539																						
OREAS 218 Cert	531																						
OREAS 218 Meas	545																						
OREAS 218 Cert	531																						
OREAS 218 Meas	528																						
OREAS 218 Cert	531																						
OREAS 218 Meas	552																						
OREAS 218 Cert	531																						
OREAS 218 Meas	563																						
OREAS 218 Cert	531																						
OREAS 218 Meas	566																						
OREAS 218 Cert	531																						
OREAS 218 Meas	559																						
OREAS 218 Cert	531																						
OREAS 218 Meas	564																						
OREAS 218 Cert	531																						
402501 Orig		< 0.01	6.44	22.7	390	1.60	0.19	1.94	0.21	65.2	61.4	728	2.76	120	7.37	16.7	< 0.05	2.2	0.050	1.12	29.8	29.3	5.13
402501 Dup		0.02	6.22	21.2	380	1.50	0.20	1.89	0.21	64.3	60.1	668	2.77	120	7.13	16.6	< 0.05	1.9	0.060	1.08	29.3	29.8	4.97
402511 Orig	5																						
402511 Dup	5																						
402521 Orig	11																						
402521 Dup	12																						
402531 Orig	< 5																						
402531 Dup	< 5																						
402540 Orig		0.07	6.05	34.9	2660	3.30	5.47	0.63	0.43	57.2	14.4	23	6.59	1500	4.02	12.6	< 0.05	7.0	0.600	2.88	24.9	21.2	0.26
402540 Dup		0.07	6.91	35.8	2710	3.70	5.64	0.66	0.28	85.7	15.1	22	6.90	1510	4.10	10.5	< 0.05	7.3	0.600	2.95	39.3	22.0	0.29
402542 Orig		< 0.01	6.91	3.6	550	1.90	0.10	2.53	0.17	87.8	21.4	106	1.66	69.9	4.78	17.2	< 0.05	3.3	0.060	1.65	40.9	24.0	1.59
402542 Dup		< 0.01	6.99	3.3	560	2.00	0.10	2.53	0.20	87.7	21.5	96	1.74	70.0	4.81	17.2	< 0.05	2.0	0.050	1.60	41.3	24.5	1.60
402556 Orig	< 5																						
402556 Dup	< 5																						

Analyte Symbol	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg
Unit Symbol	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%
Lower Limit	5	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01
Method Code	FA-AA	TD-MS	TD-ICP	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP
403007 Orig	6																						
403007 Dup	7																						
403016 Orig		< 0.01	6.82	6.8	390	1.40	0.16	3.03	0.08	67.3	23.8	129	1.18	73.7	5.32	16.4	< 0.05	1.8	0.050	1.05	24.0	19.4	1.98
403016 Dup		< 0.01	6.82	7.2	400	1.40	0.14	2.99	0.13	65.9	23.8	119	1.18	73.9	5.27	16.9	< 0.05	2.0	0.050	1.04	23.5	19.7	1.96
403017 Orig	9																						
403017 Dup	9																						
403021 Orig		< 0.01	7.07	3.7	430	1.30	0.12	3.21	0.10	54.5	25.6	146	1.07	67.6	5.61	15.8	< 0.05	1.8	0.060	1.13	25.0	18.4	2.26
403021 Dup		< 0.01	7.01	3.8	430	1.30	0.12	3.19	0.10	55.3	25.9	144	1.09	56.1	5.52	15.6	< 0.05	1.8	0.060	1.12	25.5	18.2	2.23
403032 Orig	< 5																						
403032 Dup	< 5																						
403039 Orig	< 5																						
403039 Dup	< 5																						
403052 Orig		< 0.01	6.24	13.1	350	1.30	0.13	3.00	0.09	52.1	44.4	514	1.30	90.0	5.72	13.7	0.20	2.8	0.040	0.96	20.7	24.8	4.11
403052 Dup		< 0.01	6.34	12.5	360	1.20	0.13	3.03	0.11	51.2	43.3	537	1.34	90.3	5.77	13.8	0.40	3.0	0.040	0.98	20.4	25.0	4.14
403054 Orig	< 5																						
403054 Dup	< 5																						
403062 Orig		< 0.01	6.65	5.4	500	1.80	0.14	2.36	0.14	68.4	19.2	151	1.60	45.7	4.79	16.6	< 0.05	3.3	0.060	1.48	33.6	23.0	1.72
403062 Dup		< 0.01	6.55	3.9	500	1.60	0.14	2.33	0.15	70.6	19.4	140	1.58	44.9	4.71	16.6	< 0.05	2.8	0.050	1.45	34.7	22.6	1.69
403064 Orig		< 0.01	6.00	4.6	470	1.50	0.12	2.56	0.06	45.9	23.2	251	1.46	43.0	5.00	16.6	< 0.05	3.8	0.070	1.29	20.9	21.3	2.02
403064 Dup		< 0.01	6.87	3.1	480	1.40	0.11	2.61	0.05	66.4	21.5	207	1.49	35.1	5.01	16.1	< 0.05	3.1	0.040	1.35	31.9	20.6	2.09
403066 Orig	6																						
403066 Dup	< 5																						
403076 Orig	5																						
403076 Dup	6																						
403086 Orig	< 5																						
403086 Dup	< 5																						
403091 Orig		< 0.01	6.82	1.7	530	1.60	0.10	2.53	0.10	70.4	16.7	99	1.54	53.8	4.44	15.4	< 0.05	2.6	0.050	1.51	32.8	23.1	1.54
403091 Dup		< 0.01	6.68	1.6	530	1.70	0.09	2.50	0.06	72.0	17.2	95	1.59	67.8	4.36	16.6	< 0.05	2.6	0.050	1.46	33.7	23.7	1.51
404009 Orig	26																						
404009 Dup	9																						
404016 Orig	12																						
404016 Dup	9																						
404023 Orig		< 0.01	6.81	7.4	550	1.70	0.10	1.88	0.14	79.1	21.5	153	1.81	45.2	4.83	15.8	< 0.05	3.9	0.060	1.86	37.5	24.5	1.52
404023 Dup		0.04	6.88	5.9	550	1.70	0.10	1.88	0.16	76.6	21.9	124	1.89	46.3	4.90	16.3	< 0.05	0.2	0.060	1.74	37.0	23.9	1.53
404032 Orig	25																						
404032 Dup	18																						
404041 Orig	11	< 0.01	6.97	9.0	520	1.60	0.11	1.89	0.23	69.9	25.2	183	1.74	57.5	5.46	16.7	< 0.05	3.6	0.060	1.85	33.1	23.1	1.84
404041 Dup	16	< 0.01	7.10	5.6	530	1.60	0.11	1.88	0.17	69.4	24.8	129	1.78	60.6	5.48	16.4	< 0.05	1.1	0.050	1.67	32.2	23.1	1.84
404051 Orig	< 5																						
404051 Dup	< 5																						
404061 Orig		< 0.01	6.33	10.6	460	1.50	0.10	2.26	0.29	47.8	35.4	220	1.62	67.8	6.26	16.9	< 0.05	3.7	0.060	1.33	18.5	22.9	1.94
404061 Dup		< 0.01	7.10	8.5	470	1.60	0.10	2.34	0.25	67.9	35.2	199	1.75	69.0	6.38	17.1	< 0.05	3.3	0.060	1.38	28.5	23.3	2.03

Analyte Symbol	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg
Unit Symbol	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%
Lower Limit	5	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01
Method Code	FA-AA	TD-MS	TD-ICP	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP
404066 Orig	13																						
404066 Dup	7																						
404076 Orig	8																						
404076 Dup	10																						
404088 Orig		< 0.01	6.96	10.1	480	1.50	0.09	1.86	0.14	68.3	24.2	184	1.31	40.5	5.69	16.5	0.30	3.5	0.050	1.46	30.2	18.9	1.82
404088 Dup		< 0.01	6.83	6.2	470	1.40	0.09	1.83	0.16	65.9	23.1	165	1.27	43.1	5.55	16.5	< 0.05	2.6	0.050	1.42	29.1	18.9	1.77
404091 Orig	49	< 0.01	7.04	10.1	490	1.50	0.12	1.66	0.18	66.6	23.8	157	1.55	45.0	5.64	17.1	< 0.05	1.6	0.080	1.54	30.3	19.9	1.78
404091 Dup	58	0.01	6.87	6.4	480	1.60	0.12	1.63	0.10	64.4	21.7	126	1.36	45.8	5.55	16.2	< 0.05	0.4	0.060	1.53	29.0	18.8	1.75
404101 Orig	5																						
404101 Dup	10																						
404116 Orig		< 0.01	6.57	1.0	530	2.20	0.10	2.47	0.08	77.2	24.0	195	1.70	38.4	5.54	15.4	< 0.05	2.6	0.050	1.34	34.5	22.7	1.90
404116 Dup		< 0.01	6.80	0.5	540	1.80	0.10	2.55	0.11	79.8	24.3	198	1.62	36.1	5.79	15.7	< 0.05	3.0	0.050	1.38	35.6	22.8	1.98
404121 Orig	< 5																						
404121 Dup	< 5																						
403094 Orig	< 5																						
403094 Dup	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank			< 0.01		< 10			< 0.01							< 0.01					< 0.01			< 0.01
Method Blank		< 0.01	< 0.01	< 0.2	< 10	< 0.05	0.01	< 0.01	< 0.02	0.01	< 0.1		< 0.05	0.4	< 0.01	0.42	0.10	< 0.1	< 0.005	< 0.01	< 0.5	< 0.2	< 0.01
Method Blank			< 0.01		< 10			< 0.01							< 0.01					< 0.01			< 0.01
Method Blank		< 0.01	< 0.01	0.6	< 10	< 0.05	0.01	< 0.01	< 0.02	0.01	< 0.1		< 0.05	0.2	< 0.01	0.34	0.20	< 0.1	< 0.005	< 0.01	< 0.5	< 0.2	< 0.01
Method Blank		< 0.01	< 0.01	< 0.2	< 10	< 0.05	0.02	< 0.01	< 0.02	0.01	< 0.1		< 0.05	0.3	< 0.01	0.29	0.20	< 0.1	< 0.005	< 0.01	< 0.5	< 0.2	< 0.01
Method Blank		< 0.01	< 0.01	< 0.2	< 10	< 0.05	0.02	< 0.01	< 0.02	0.04	< 0.1		< 0.05	0.3	< 0.01	0.28	0.30	< 0.1	< 0.005	< 0.01	< 0.5	< 0.2	< 0.01
Method Blank		< 0.01	< 0.01	0.4	< 10	< 0.05	0.01	< 0.01	< 0.02	0.04	< 0.1		< 0.05	0.8	< 0.01	0.30	0.20	< 0.1	< 0.005	< 0.01	< 0.5	< 0.2	< 0.01
Method Blank		< 0.01	< 0.01	< 0.2	< 10	< 0.05	0.01	< 0.01	< 0.02	0.03	< 0.1		< 0.05	0.5	< 0.01	0.25	0.20	< 0.1	< 0.005	< 0.01	< 0.5	< 0.2	< 0.01
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						

Analyte Symbol	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg
Unit Symbol	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%
Lower Limit	5	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01
Method Code	FA-AA	TD-MS	TD-ICP	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP
Method Blank	< 5																						

Analyte Symbol	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W
Unit Symbol	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
Lower Limit	5	0.05	0.01	0.1	0.2	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1	1	0.1
Method Code	TD-ICP	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-ICP	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-MS
GXR-1 Meas	915		0.05			590				0.25									0.026			88	
GXR-1 Cert	852		0.0520			650				0.257									0.036			80.0	
GXR-1 Meas	904		0.05			610				0.25									0.024			88	
GXR-1 Cert	852		0.0520			650				0.257									0.036			80.0	
DH-1a Meas																		858			2490		
DH-1a Cert																		910			2629		
DH-1a Meas																		857			2470		
DH-1a Cert																		910			2629		
GXR-4 Meas	151	307	0.53	8.6	37.6	1320	45.3	122		1.83	3.96	7.0	6	7.1	189	0.49	1.12	16.6	0.290	3.07	5.5	88	32.3
GXR-4 Cert	155	310	0.564	10.0	42.0	1200	52.0	160		1.77	4.80	7.70	5.60	5.60	221	0.790	0.970	22.5	0.29	3.20	6.20	87.0	30.8
GXR-4 Meas	148	328	0.53	8.1	39.2	1340	50.0	142		1.84	4.31	7.4	6	7.2	207	0.53	1.01	18.9	0.272	3.38	5.9	88	34.2
GXR-4 Cert	155	310	0.564	10.0	42.0	1200	52.0	160		1.77	4.80	7.70	5.60	5.60	221	0.790	0.970	22.5	0.29	3.20	6.20	87.0	30.8
SDC-1 Meas	880		1.53	< 0.1	33.1	570	24.2	115			< 0.05	15.9		0.2	161	< 0.05		11.2	0.285	0.65	2.9	65	< 0.1
SDC-1 Cert	880.00		1.52	21.00	38.0	690	25.00	127.00			0.54	17.00		3.00	180.00	1.20		12.00	0.606	0.70	3.10	102.00	0.80
SDC-1 Meas	851		1.50			550													0.124			40	
SDC-1 Cert	880.00		1.52			690													0.606			102.00	
GXR-6 Meas	1060	0.18	0.09	0.1	26.1	340	108	86.5		0.02	0.23	29.1	< 1	0.7	33.7	< 0.05	< 0.05	5.2		2.39	1.6	118	< 0.1
GXR-6 Cert	1010	2.40	0.104	7.50	27.0	350	101	90.0		0.0160	3.60	27.6	0.940	1.70	35.0	0.485	0.0180	5.30		2.20	1.54	186	1.90
GXR-6 Meas	1090	0.59	0.09	0.2	24.7	370	104	81.6		0.02	0.46	27.7	< 1	0.8	33.4	< 0.05	< 0.05	5.3		2.38	1.6	142	< 0.1
GXR-6 Cert	1010	2.40	0.104	7.50	27.0	350	101	90.0		0.0160	3.60	27.6	0.940	1.70	35.0	0.485	0.0180	5.30		2.20	1.54	186	1.90
DNC-1a Meas				1.4	271		7.1	3.7			0.49	33.6			141				0.281			139	
DNC-1a Cert				3	247		6.3	5			0.96	31			144				0.29			148	
DNC-1a Meas				1.4	251		6.1	3.2			0.48	31.3			131				0.279			139	
DNC-1a Cert				3	247		6.3	5			0.96	31			144				0.29			148	
SBC-1 Meas		1.93		12.6	71.5		29.9	117			1.09	17.7		3.0	143	0.89		13.0	0.465	0.81	5.0	211	1.4
SBC-1 Cert		2.40		15.3	82.8		35.0	147			1.01	20.0		3.3	178.0	1.10		15.8	0.51	0.89	5.76	220.0	1.60
SBC-1 Meas																			0.513			216	
SBC-1 Cert																			0.51			220.0	
OREAS 45d (4-Acid) Meas	518	0.20	0.10	0.1	237	350	21.3	40.7		0.04	< 0.05	54.0		0.5	27.6	< 0.05		13.8	0.280	0.26	2.9	147	0.1
OREAS 45d (4-Acid) Cert	490.000	2.500	0.101	14.50	231.0	420.000	21.8	42.1		0.049	0.82	49.30		2.78	31.30	1.02		14.5	0.773	0.27	2.63	235.0	1.62
OREAS 45d (4-Acid) Meas	517	0.32	0.10	0.3	229	370	21.5	40.4		0.05	< 0.05	53.1		0.7	30.2	< 0.05		14.5	0.259	0.27	2.9	133	0.1
OREAS 45d (4-Acid) Cert	490.000	2.500	0.101	14.50	231.0	420.000	21.8	42.1		0.049	0.82	49.30		2.78	31.30	1.02		14.5	0.773	0.27	2.63	235.0	1.62
SdAR-M2 (U.S.G.S.) Meas																						26	
SdAR-M2 (U.S.G.S.) Cert																						25.2	
SdAR-M2 (U.S.G.S.) Meas																						24	
SdAR-M2 (U.S.G.S.) Cert																						25.2	

Analyte Symbol	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W
Unit Symbol	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
Lower Limit	5	0.05	0.01	0.1	0.2	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1	1	0.1
Method Code	TD-ICP	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-ICP	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-MS
OREAS 223 (Fire Assay) Meas																							
OREAS 223 (Fire Assay) Cert																							
OREAS 223 (Fire Assay) Meas																							
OREAS 223 (Fire Assay) Cert																							
OREAS 218 Meas																							
OREAS 218 Cert																							
OREAS 218 Meas																							
OREAS 218 Cert																							
OREAS 218 Meas																							
OREAS 218 Cert																							
OREAS 218 Meas																							
OREAS 218 Cert																							
OREAS 218 Meas																							
OREAS 218 Cert																							
OREAS 218 Meas																							
OREAS 218 Cert																							
OREAS 218 Meas																							
OREAS 218 Cert																							
OREAS 218 Meas																							
OREAS 218 Cert																							
OREAS 218 Meas																							
OREAS 218 Cert																							
OREAS 218 Meas																							
OREAS 218 Cert																							
402501 Orig	1370	0.07	1.52	0.1	488	860	11.9	57.4	< 0.002	0.02	< 0.05	27.4	< 1	0.3	178	< 0.05	< 0.05	9.9	0.162	0.43	1.5	89	< 0.1
402501 Dup	1330	0.06	1.47	0.1	493	810	12.0	58.8	< 0.002	0.02	< 0.05	26.8	< 1	0.2	185	< 0.05	< 0.05	8.5	0.130	0.44	1.4	76	0.1
402511 Orig																							
402511 Dup																							
402521 Orig																							
402521 Dup																							
402531 Orig																							
402531 Dup																							
402540 Orig	378	3.42	2.37	17.0	10.0	260	30.6	114	< 0.002	0.06	1.57	4.4	2	4.0	119	0.99	0.06	7.1	0.135	0.79	2.4	12	2.6
402540 Dup	403	3.56	2.37	18.0	10.9	280	32.8	130	< 0.002	0.07	1.91	5.1	2	4.2	144	1.03	0.07	12.9	0.134	0.81	4.7	12	2.8
402542 Orig	752	< 0.05	2.24	0.7	54.5	1100	15.2	64.5	< 0.002	< 0.01	< 0.05	18.0	< 1	0.3	290	< 0.05	< 0.05	9.1	0.245	0.40	2.8	70	< 0.1
402542 Dup	756	0.05	2.25	1.5	54.8	1040	15.0	65.4	< 0.002	< 0.01	< 0.05	17.9	< 1	0.3	289	0.07	< 0.05	11.4	0.191	0.40	3.5	59	0.1
402556 Orig																							
402556 Dup																							
403007 Orig																							

Analyte Symbol	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W
Unit Symbol	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
Lower Limit	5	0.05	0.01	0.1	0.2	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1	1	0.1
Method Code	TD-ICP	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-ICP	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-MS
403007 Dup																							
403016 Orig	932	0.05	2.09	0.2	71.5	450	10.1	38.5	< 0.002	0.01	0.06	21.8	< 1	0.4	311	< 0.05	< 0.05	5.6	0.178	0.23	1.6	49	< 0.1
403016 Dup	947	< 0.05	2.10	0.2	72.5	420	10.4	38.8	< 0.002	0.01	0.09	22.5	< 1	0.7	315	< 0.05	< 0.05	5.2	0.168	0.25	1.6	48	< 0.1
403017 Orig																							
403017 Dup																							
403021 Orig	1010	0.09	2.18	0.1	78.1	760	9.4	41.0	0.003	< 0.01	0.08	23.5	< 1	0.7	313	< 0.05	< 0.05	5.0	0.177	0.24	1.8	59	< 0.1
403021 Dup	1000	< 0.05	2.15	0.2	79.1	770	9.5	40.9	< 0.002	< 0.01	0.10	23.9	< 1	0.8	305	< 0.05	< 0.05	4.9	0.180	0.24	2.0	60	< 0.1
403032 Orig																							
403032 Dup																							
403039 Orig																							
403039 Dup																							
403052 Orig	1040	0.18	1.64	2.8	317	430	10.0	37.2	< 0.002	0.02	0.25	22.8	< 1	0.4	200	0.05	< 0.05	5.4	0.346	0.27	1.4	116	0.1
403052 Dup	1050	0.19	1.65	4.9	315	440	10.0	37.1	< 0.002	0.02	0.33	22.6	< 1	0.4	198	0.06	< 0.05	5.0	0.347	0.27	1.3	116	< 0.1
403054 Orig																							
403054 Dup																							
403062 Orig	741	0.07	2.13	0.4	68.7	890	13.1	61.2	< 0.002	0.01	0.06	18.8	< 1	0.7	260	< 0.05	< 0.05	8.1	0.226	0.36	2.1	61	< 0.1
403062 Dup	730	< 0.05	2.10	0.2	67.9	820	13.0	60.2	< 0.002	< 0.01	< 0.05	19.1	< 1	0.5	257	< 0.05	< 0.05	9.5	0.141	0.36	2.1	44	< 0.1
403064 Orig	781	0.85	2.01	1.3	80.7	730	12.1	35.7	0.015	0.01	< 0.05	18.0	< 1	0.6	251	< 0.05	< 0.05	5.0	0.354	0.34	2.6	96	< 0.1
403064 Dup	785	< 0.05	2.04	0.1	78.7	720	12.0	53.2	< 0.002	< 0.01	< 0.05	20.1	< 1	0.3	256	< 0.05	< 0.05	7.2	0.229	0.34	3.1	72	< 0.1
403066 Orig																							
403066 Dup																							
403076 Orig																							
403076 Dup																							
403086 Orig																							
403086 Dup																							
403091 Orig	702	< 0.05	2.30	0.1	44.8	840	13.5	61.2	< 0.002	< 0.01	< 0.05	15.6	< 1	0.3	291	< 0.05	< 0.05	7.7	0.114	0.37	2.1	39	< 0.1
403091 Dup	690	0.05	2.25	0.3	45.2	850	14.5	62.1	0.028	< 0.01	< 0.05	16.1	< 1	0.3	302	< 0.05	< 0.05	8.0	0.125	0.39	2.4	43	0.1
404009 Orig																							
404009 Dup																							
404016 Orig																							
404016 Dup																							
404023 Orig	893	< 0.05	2.07	0.3	65.9	720	15.1	62.1	< 0.002	< 0.01	< 0.05	18.0	< 1	0.3	216	< 0.05	< 0.05	8.7	0.270	0.40	2.1	77	< 0.1
404023 Dup	909	< 0.05	2.06	0.1	67.6	620	15.3	65.1	< 0.002	< 0.01	< 0.05	18.1	< 1	0.3	220	< 0.05	< 0.05	8.7	0.263	0.40	2.1	68	< 0.1
404032 Orig																							
404032 Dup																							
404041 Orig	994	0.07	1.95	0.4	76.9	710	15.3	61.4	< 0.002	< 0.01	0.05	20.5	< 1	0.3	197	< 0.05	< 0.05	8.5	0.279	0.37	2.0	85	0.1
404041 Dup	1020	< 0.05	1.97	< 0.1	76.6	610	15.2	63.0	< 0.002	< 0.01	< 0.05	20.5	< 1	< 0.2	197	< 0.05	< 0.05	7.6	0.123	0.39	2.0	49	< 0.1
404051 Orig																							
404051 Dup																							
404061 Orig	1290	0.05	1.89	0.6	87.1	810	12.0	35.4	< 0.002	< 0.01	< 0.05	21.0	< 1	0.3	192	< 0.05	< 0.05	4.6	0.385	0.35	1.3	120	< 0.1
404061 Dup	1310	0.15	1.94	2.0	84.8	840	12.1	51.4	< 0.002	< 0.01	0.12	24.7	< 1	0.4	203	0.11	< 0.05	6.5	0.327	0.37	1.6	106	0.1
404066 Orig																							

Analyte Symbol	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W
Unit Symbol	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
Lower Limit	5	0.05	0.01	0.1	0.2	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1	1	0.1
Method Code	TD-ICP	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-ICP	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-MS
404066 Dup																							
404076 Orig																							
404076 Dup																							
404088 Orig	1130	0.13	2.10	0.5	68.8	810	11.3	51.4	< 0.002	0.01	0.19	21.4	< 1	1.2	186	< 0.05	< 0.05	7.1	0.468	0.29	1.8	106	0.1
404088 Dup	1080	< 0.05	2.04	0.1	68.4	750	11.4	51.0	< 0.002	< 0.01	0.05	22.6	< 1	0.6	185	< 0.05	< 0.05	6.2	0.169	0.28	1.8	52	< 0.1
404091 Orig	1130	< 0.05	2.00	0.1	68.6	680	13.8	55.4	< 0.002	< 0.01	< 0.05	22.3	< 1	0.2	170	< 0.05	< 0.05	6.2	0.259	0.31	1.8	76	< 0.1
404091 Dup	1080	< 0.05	1.99	0.1	63.8	630	12.4	52.1	< 0.002	< 0.01	< 0.05	20.4	< 1	0.2	163	< 0.05	< 0.05	6.1	0.204	0.29	1.8	53	< 0.1
404101 Orig																							
404101 Dup																							
404116 Orig	939	< 0.05	2.03	0.1	67.8	850	11.4	55.5	< 0.002	0.01	< 0.05	22.2	< 1	0.6	230	< 0.05	< 0.05	7.7	0.153	0.32	2.0	51	< 0.1
404116 Dup	976	< 0.05	2.08	0.3	73.4	870	11.8	55.7	< 0.002	0.02	< 0.05	22.4	< 1	0.4	234	< 0.05	< 0.05	7.5	0.194	0.33	1.8	58	< 0.1
404121 Orig																							
404121 Dup																							
403094 Orig																							
403094 Dup																							
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			< 0.01			< 10				< 0.01									< 0.005			< 1	
Method Blank		< 0.05	< 0.01	< 0.1	0.2	< 10	0.6	< 0.1	< 0.002	< 0.01	< 0.05	< 0.1	< 1	< 0.2	< 0.2	< 0.05	< 0.05	< 0.2	< 0.005	< 0.02	< 0.1	< 1	< 0.1
Method Blank			< 0.01			< 10				< 0.01									< 0.005			< 1	
Method Blank		0.05	< 0.01	< 0.1	< 0.2	< 10	0.7	< 0.1	< 0.002	< 0.01	< 0.05	< 0.1	< 1	< 0.2	< 0.2	< 0.05	< 0.05	< 0.2	< 0.005	< 0.02	< 0.1	< 1	< 0.1
Method Blank		0.13	< 0.01	< 0.1	0.3	< 10	0.6	< 0.1	< 0.002	< 0.01	< 0.05	< 0.1	< 1	< 0.2	< 0.2	< 0.05	< 0.05	< 0.2	< 0.005	< 0.02	< 0.1	< 1	< 0.1
Method Blank		0.13	< 0.01	< 0.1	0.2	< 10	0.6	< 0.1	< 0.002	< 0.01	< 0.05	< 0.1	< 1	0.3	< 0.2	< 0.05	< 0.05	< 0.2	< 0.005	< 0.02	< 0.1	< 1	< 0.1
Method Blank		< 0.05	< 0.01	< 0.1	0.3	< 10	0.6	< 0.1	< 0.002	< 0.01	< 0.05	< 0.1	< 1	0.3	< 0.2	< 0.05	< 0.05	< 0.2	< 0.005	< 0.02	< 0.1	< 1	< 0.1
Method Blank		< 0.05	< 0.01	< 0.1	< 0.2	< 10	0.6	< 0.1	< 0.002	< 0.01	< 0.05	< 0.1	< 1	0.4	< 0.2	< 0.05	< 0.05	< 0.2	< 0.005	< 0.02	< 0.1	< 1	< 0.1
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							

Analyte Symbol	Y	Zn	Zr
Unit Symbol	ppm	ppm	ppm
Lower Limit	0.1	2	0.5
Method Code	TD-MS	TD-ICP	TD-MS
GXR-1 Meas		753	
GXR-1 Cert		760	
GXR-1 Meas		764	
GXR-1 Cert		760	
DH-1a Meas			
DH-1a Cert			
DH-1a Meas			
DH-1a Cert			
GXR-4 Meas	12.2	71	37.7
GXR-4 Cert	14.0	73.0	186
GXR-4 Meas	12.6	74	35.5
GXR-4 Cert	14.0	73.0	186
SDC-1 Meas		98	33.9
SDC-1 Cert		103.00	290.00
SDC-1 Meas		97	
SDC-1 Cert		103.00	
GXR-6 Meas	12.5	132	60.3
GXR-6 Cert	14.0	118	110
GXR-6 Meas	11.8	134	70.2
GXR-6 Cert	14.0	118	110
DNC-1a Meas	16.8	57	38.9
DNC-1a Cert	18.0	70	38.0
DNC-1a Meas	14.8	56	34.7
DNC-1a Cert	18.0	70	38.0
SBC-1 Meas	24.6	182	98.2
SBC-1 Cert	36.5	186	134.0
SBC-1 Meas		187	
SBC-1 Cert		186	
OREAS 45d (4-Acid) Meas	10.6	48	96.1
OREAS 45d (4-Acid) Cert	9.53	45.7	141
OREAS 45d (4-Acid) Meas	10.5	47	74.0
OREAS 45d (4-Acid) Cert	9.53	45.7	141
SdAR-M2 (U.S.G.S.) Meas		794	
SdAR-M2 (U.S.G.S.) Cert		760	
SdAR-M2 (U.S.G.S.) Meas		806	
SdAR-M2 (U.S.G.S.) Cert		760	

Analyte Symbol	Y	Zn	Zr
Unit Symbol	ppm	ppm	ppm
Lower Limit	0.1	2	0.5
Method Code	TD-MS	TD-ICP	TD-MS
OREAS 223 (Fire Assay) Meas			
OREAS 223 (Fire Assay) Cert			
OREAS 223 (Fire Assay) Meas			
OREAS 223 (Fire Assay) Cert			
OREAS 218 Meas			
OREAS 218 Cert			
OREAS 218 Meas			
OREAS 218 Cert			
OREAS 218 Meas			
OREAS 218 Cert			
OREAS 218 Meas			
OREAS 218 Cert			
OREAS 218 Meas			
OREAS 218 Cert			
OREAS 218 Meas			
OREAS 218 Meas			
OREAS 218 Cert			
OREAS 218 Meas			
OREAS 218 Cert			
OREAS 218 Meas			
OREAS 218 Cert			
OREAS 218 Meas			
OREAS 218 Cert			
OREAS 218 Meas			
OREAS 218 Cert			
402501 Orig	18.7	102	83.0
402501 Dup	19.0	100	73.2
402511 Orig			
402511 Dup			
402521 Orig			
402521 Dup			
402531 Orig			
402531 Dup			
402540 Orig	11.0	137	254
402540 Dup	14.9	141	266
402542 Orig	20.5	80	134
402542 Dup	19.8	84	94.7
402556 Orig			
402556 Dup			
403007 Orig			

Analyte Symbol	Y	Zn	Zr
Unit Symbol	ppm	ppm	ppm
Lower Limit	0.1	2	0.5
Method Code	TD-MS	TD-ICP	TD-MS
403007 Dup			
403016 Orig	17.4	76	64.4
403016 Dup	17.8	75	68.8
403017 Orig			
403017 Dup			
403021 Orig	18.5	86	63.5
403021 Dup	18.1	80	59.3
403032 Orig			
403032 Dup			
403039 Orig			
403039 Dup			
403052 Orig	14.1	82	100
403052 Dup	14.1	77	108
403054 Orig			
403054 Dup			
403062 Orig	19.6	83	121
403062 Dup	19.4	83	102
403064 Orig	15.8	84	141
403064 Dup	18.8	82	116
403066 Orig			
403066 Dup			
403076 Orig			
403076 Dup			
403086 Orig			
403086 Dup			
403091 Orig	16.2	73	102
403091 Dup	16.7	70	97.8
404009 Orig			
404009 Dup			
404016 Orig			
404016 Dup			
404023 Orig	18.8	83	158
404023 Dup	18.5	83	9.4
404032 Orig			
404032 Dup			
404041 Orig	19.3	92	140
404041 Dup	19.6	91	50.7
404051 Orig			
404051 Dup			
404061 Orig	16.4	98	139
404061 Dup	19.7	99	125
404066 Orig			

Analyte Symbol	Y	Zn	Zr
Unit Symbol	ppm	ppm	ppm
Lower Limit	0.1	2	0.5
Method Code	TD-MS	TD-ICP	TD-MS
404066 Dup			
404076 Orig			
404076 Dup			
404088 Orig	22.8	83	131
404088 Dup	22.9	83	92.1
404091 Orig	22.7	94	71.3
404091 Dup	21.8	93	17.5
404101 Orig			
404101 Dup			
404116 Orig	19.9	85	101
404116 Dup	20.0	89	111
404121 Orig			
404121 Dup			
403094 Orig			
403094 Dup			
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		< 2	
Method Blank	< 0.1	< 2	< 0.5
Method Blank		< 2	
Method Blank	< 0.1	< 2	< 0.5
Method Blank	< 0.1	< 2	< 0.5
Method Blank	< 0.1	< 2	0.5
Method Blank	< 0.1	< 2	0.9
Method Blank	< 0.1	< 2	< 0.5
Method Blank			
Method Blank			
Method Blank			
Method Blank			
Method Blank			
Method Blank			
Method Blank			

Quality Analysis ... *Innovative Technologies*

Date Submitted: 15-Dec-17
Invoice No.: A17-14262
Invoice Date: 08-Feb-18
Your Reference: # 39899-True North Nickel

Techni-Lab Abitibi Inc.(Actlabs)
184 Rue Principale
Ste-Germaine-Boule Quebec J0Z 1M0
Canada

ATTN: Andre Caouette

CERTIFICATE OF ANALYSIS

243 Soil samples were submitted for analysis.

The following analytical package(s) were requested: Code 1A2 Au - Fire Assay AA

Code ME-MS61 Total Digestion ICP & ICP/MS

REPORT **A17-14262**

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

Values which exceed the upper limit should be assayed for accurate numbers.

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
41 Bittern Street, Ancaster, Ontario, Canada, L9G 4V5
TELEPHONE +905 648-9611 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Ancaster@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn
Unit Symbol	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5
Method Code	TD-MS	TD-ICP	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-ICP
402563	< 0.01	5.72	2.6	180	1.00	0.09	1.53	0.16	34.0	93.1	1130	3.42	113	8.01	18.0	0.18	1.7	0.059	0.61	16.3	22.0	6.87	1650
402564	< 0.01	6.35	1.1	330	1.22	0.10	3.47	0.16	55.7	71.9	515	2.03	133	6.34	18.1	< 0.05	1.5	0.055	1.27	26.3	21.7	5.01	1000
402565	< 0.01	6.87	< 0.2	380	1.43	0.07	3.83	0.14	47.3	49.4	488	2.06	54.4	6.74	18.6	< 0.05	2.1	0.052	1.63	22.9	25.7	4.47	974
402566	< 0.01	7.42	1.9	500	1.41	0.08	2.21	0.11	76.3	24.1	242	1.83	42.5	5.36	20.3	< 0.05	4.2	0.055	1.96	35.7	23.2	1.75	723
402567	< 0.01	7.74	1.3	520	1.57	0.09	2.41	0.18	79.5	26.4	176	1.92	57.3	5.47	20.3	< 0.05	3.5	0.057	1.99	38.2	23.7	1.95	890
402568	< 0.01	7.31	9.3	410	1.35	0.12	2.96	0.14	73.7	40.0	187	1.35	185	6.48	19.0	< 0.05	3.4	0.057	1.49	31.2	18.1	2.07	959
402569	< 0.01	7.74	22.6	360	1.16	0.18	3.40	0.17	62.1	44.5	176	1.13	187	7.30	21.2	< 0.05	3.0	0.068	1.33	27.6	20.8	2.60	1190
402570	< 0.01	7.76	16.7	420	1.32	0.13	2.86	0.11	64.8	38.4	185	1.44	180	6.64	20.1	< 0.05	3.6	0.063	1.49	27.2	21.8	2.40	1020
402571	< 0.01	7.02	4.6	490	1.43	0.08	2.65	0.07	53.0	19.8	115	1.30	49.8	4.52	19.0	< 0.05	5.3	0.055	1.66	22.2	20.9	1.42	748
402572	< 0.01	7.28	7.9	450	1.15	0.10	2.70	0.11	78.8	24.1	129	1.24	101	4.82	19.6	< 0.05	4.0	0.063	1.59	35.6	18.0	1.66	744
402573	< 0.01	7.77	4.0	510	1.56	0.08	2.63	0.07	66.9	21.5	119	1.62	55.2	5.02	18.4	< 0.05	3.3	0.053	1.81	33.1	20.7	1.72	762
402574	< 0.01	7.96	13.2	500	1.60	0.11	2.56	0.15	77.1	30.1	105	1.71	144	5.67	19.2	< 0.05	2.2	0.060	1.78	36.1	22.3	1.91	726
402575	< 0.01	8.04	14.9	530	1.49	0.12	2.44	0.27	85.1	27.2	140	2.18	158	5.67	20.8	< 0.05	2.9	0.073	1.88	41.2	25.3	1.96	727
402576	< 0.01	7.81	6.2	550	1.49	0.11	2.41	0.17	84.8	28.3	115	2.41	116	5.50	19.6	< 0.05	3.1	0.056	2.01	41.6	26.4	1.83	671
402577	< 0.01	7.57	0.5	500	1.57	0.09	2.47	0.09	74.4	21.3	96	1.54	61.6	4.60	19.2	< 0.05	3.6	0.049	1.68	37.5	23.2	1.50	668
402578	0.01	7.17	< 0.2	500	1.29	0.06	2.63	0.11	78.1	15.7	88	1.06	29.2	3.87	17.0	< 0.05	0.2	0.053	1.73	37.3	15.2	1.22	640
402579	< 0.01	7.92	5.0	500	1.60	0.10	2.74	0.18	78.9	30.8	106	1.85	119	5.76	20.6	< 0.05	2.8	0.056	1.80	37.1	23.5	1.87	980
402580	0.09	8.36	4.2	180	0.80	0.31	0.20	0.03	37.4	32.7	479	4.00	384	14.7	24.3	< 0.05	1.2	0.095	0.45	17.7	21.7	0.24	504
402581	< 0.01	7.61	2.6	450	1.61	0.09	2.72	0.11	70.9	24.1	97	1.43	216	5.27	19.9	< 0.05	0.9	0.067	1.59	31.4	20.0	1.63	771
402582	< 0.01	6.52	3.6	480	1.60	0.09	2.59	0.12	63.2	26.3	129	1.36	87.0	5.03	19.8	< 0.05	4.9	0.055	1.67	27.4	19.4	1.52	832
402583	< 0.01	7.51	4.6	470	1.43	0.09	2.81	0.10	88.3	34.0	121	1.28	110	5.64	18.9	< 0.05	1.7	0.056	1.64	40.8	18.4	1.61	853
402584	< 0.01	7.81	6.2	490	1.38	0.15	2.65	0.10	85.4	44.3	114	1.78	132	6.30	20.8	< 0.05	3.0	0.053	1.75	38.6	22.5	1.86	868
402585	< 0.01	7.31	< 0.2	470	1.65	0.18	2.91	0.10	106	21.1	95	1.32	41.0	4.83	18.2	< 0.05	0.6	0.057	1.56	50.2	17.6	1.41	824
402586	< 0.01	7.60	< 0.2	520	1.41	0.08	2.77	0.20	86.3	22.5	91	1.49	54.1	4.78	18.3	< 0.05	1.4	0.049	1.79	43.2	22.8	1.58	856
402587	< 0.01	7.89	0.7	540	1.52	0.07	2.56	0.13	82.6	15.8	81	1.48	33.0	4.19	18.9	< 0.05	4.2	0.053	1.76	42.7	21.1	1.37	730
402588	< 0.01	7.65	< 0.2	550	1.53	0.06	2.52	0.12	90.5	13.1	76	1.44	23.0	3.50	18.4	< 0.05	3.5	0.051	1.89	42.7	18.6	1.23	565
402589	< 0.01	7.81	< 0.2	510	1.52	0.08	2.42	0.09	81.0	20.0	113	1.96	46.0	5.15	19.5	< 0.05	3.6	0.052	1.78	38.5	23.2	1.65	639
402590	< 0.01	7.66	0.4	470	1.55	0.08	2.67	0.10	84.3	23.5	111	1.46	59.2	4.55	19.4	< 0.05	3.7	0.063	1.59	37.8	20.4	1.63	697
402591	0.02	7.75	0.5	490	1.80	0.28	2.58	0.09	79.8	22.0	99	1.64	99.1	4.52	18.6	< 0.05	3.3	0.057	1.65	37.6	21.3	1.66	744
402592	< 0.01	6.85	< 0.2	450	1.27	0.06	2.32	0.09	50.6	17.0	118	1.26	25.2	3.65	17.9	< 0.05	4.5	0.048	1.44	24.8	16.7	1.38	627
402593	< 0.01	7.30	0.8	450	1.54	0.09	2.56	0.17	71.5	18.9	123	1.23	79.4	4.08	18.5	< 0.05	4.3	0.051	1.44	35.7	19.1	1.43	687
402594	< 0.01	6.96	< 0.2	420	1.31	0.07	2.53	0.07	61.3	15.9	105	1.22	34.5	3.85	18.4	< 0.05	3.6	0.052	1.40	28.9	16.0	1.39	609
402595	< 0.01	7.10	4.8	410	1.38	0.07	2.62	0.12	70.3	22.8	91	1.29	67.0	4.36	19.6	< 0.05	2.4	0.064	1.37	34.3	19.1	1.60	767
402596	< 0.01	7.30	< 0.2	480	1.53	0.06	2.64	0.15	83.4	19.2	68	1.16	46.7	3.84	19.0	< 0.05	1.0	0.057	1.62	39.3	17.1	1.30	716
402597	< 0.01	6.67	0.6	420	1.41	0.07	2.51	0.13	91.6	23.9	85	1.39	185	4.43	19.1	< 0.05	2.8	0.057	1.46	49.7	17.8	1.34	675
402598	0.20	6.58	1.1	400	1.19	0.25	2.09	0.07	44.2	19.6	118	1.67	243	7.42	18.4	< 0.05	2.3	0.065	1.43	22.1	15.3	1.48	568
402599	< 0.01	6.95	0.7	430	1.50	0.07	2.44	0.06	91.2	21.9	104	1.44	75.6	4.15	19.8	< 0.05	4.2	0.063	1.53	43.4	19.3	1.43	666
402600	0.25	7.71	28.1	2560	2.99	5.54	0.63	0.33	85.5	15.3	19	6.89	1530	3.83	27.5	< 0.05	5.9	0.598	2.12	39.4	18.7	0.29	406
402601	< 0.01	6.63	< 0.2	420	1.41	0.07	2.31	0.09	71.5	16.6	108	1.25	28.6	3.54	18.0	< 0.05	3.0	0.056	1.39	31.3	17.5	1.19	626
402602	< 0.01	6.67	< 0.2	470	1.47	0.07	2.27	0.07	84.0	17.4	101	1.25	84.8	3.67	17.2	< 0.05	3.5	0.051	1.63	41.3	19.3	1.17	650
402603	< 0.01	6.66	< 0.2	510	1.56	0.06	2.33	0.09	67.6	16.3	97	1.18	43.5	3.56	17.1	< 0.05	0.9	0.052	1.41	30.3	17.3	1.20	631
402604	< 0.01	7.13	< 0.2	440	1.51	0.08	2.40	0.07	82.6	18.7	88	1.32	46.0	3.98	18.3	< 0.05	1.1	0.054	1.44	36.7	17.5	1.39	676

Analyte Symbol	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn
Unit Symbol	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5
Method Code	TD-MS	TD-ICP	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-ICP
402605	< 0.01	7.40	0.7	480	1.60	0.09	2.21	0.15	76.3	22.7	130	1.90	63.2	4.68	17.7	< 0.05	2.9	0.062	1.71	37.9	24.8	1.81	662
402606	< 0.01	7.39	1.6	440	1.50	0.08	2.84	0.12	69.2	22.8	143	1.35	52.1	5.19	17.6	< 0.05	2.5	0.061	1.55	32.0	19.1	2.17	764
402607	< 0.01	7.76	0.3	550	1.79	0.09	1.80	0.17	80.7	26.9	126	2.36	43.8	5.06	19.7	< 0.05	2.4	0.053	1.68	38.1	28.0	1.83	678
402608	< 0.01	6.50	0.8	350	1.39	0.09	2.89	0.16	59.0	40.2	248	1.57	90.3	5.45	17.8	0.11	3.0	0.050	1.13	26.6	20.8	3.18	787
402609	< 0.01	6.85	1.5	410	1.54	0.08	2.23	0.07	63.5	38.9	179	1.75	45.3	5.68	18.8	< 0.05	1.9	0.049	1.40	27.8	23.5	2.44	703
402610	< 0.01	6.81	3.4	390	1.38	0.09	2.88	0.10	51.9	31.5	263	1.19	51.7	4.57	17.8	< 0.05	3.9	0.048	1.38	23.9	16.6	2.26	775
402611	< 0.01	7.31	0.9	330	1.14	0.09	3.43	0.10	48.8	28.5	126	0.80	61.0	5.40	19.8	< 0.05	2.6	0.056	1.14	21.8	14.9	2.10	923
402612	0.04	7.18	< 0.2	460	1.52	0.07	2.55	0.19	82.3	22.6	104	1.39	48.2	4.17	19.2	< 0.05	0.1	0.057	1.50	37.9	19.6	1.52	766
402613	< 0.01	7.10	5.0	430	1.40	0.11	2.95	0.12	69.6	23.2	87	1.08	125	4.52	19.2	< 0.05	2.3	0.056	1.47	36.3	17.5	1.58	720
402614	< 0.01	7.07	0.3	440	1.58	0.08	2.54	0.10	68.7	21.5	91	1.33	67.0	4.27	18.9	< 0.05	2.5	0.057	1.51	31.8	18.1	1.51	680
402615	< 0.01	7.26	< 0.2	440	1.56	0.07	2.76	0.12	75.3	20.4	102	1.34	45.0	4.35	19.0	< 0.05	3.3	0.058	1.49	34.8	19.4	1.66	765
402616	< 0.01	7.10	< 0.2	410	1.44	0.08	2.56	0.07	64.2	21.7	104	1.15	57.7	4.10	19.3	< 0.05	3.4	0.051	1.36	29.6	17.3	1.58	721
402617	< 0.01	7.05	0.6	450	1.52	0.09	2.45	0.20	68.7	22.8	120	1.69	70.7	4.71	17.2	< 0.05	3.9	0.056	1.57	34.4	21.9	1.68	855
402618	< 0.01	6.90	< 0.2	430	1.51	0.07	2.59	0.12	73.3	20.8	109	1.41	41.0	3.68	19.8	< 0.05	4.2	0.052	1.41	34.1	19.1	1.45	600
402619	< 0.01	7.33	< 0.2	450	1.42	0.07	2.72	0.11	66.7	20.7	106	1.18	51.2	3.98	19.5	< 0.05	4.1	0.046	1.51	30.9	17.2	1.54	696
402620	< 0.01	7.12	8.8	170	0.60	0.32	0.18	< 0.02	30.2	29.4	583	3.56	357	13.2	22.3	0.28	4.6	0.074	0.44	13.5	22.4	0.23	496
402621	< 0.01	6.98	2.2	430	1.44	0.08	2.39	0.08	65.9	22.7	122	1.29	63.6	4.17	18.9	< 0.05	3.5	0.041	1.42	28.0	17.9	1.54	700
402622	< 0.01	7.03	0.2	450	1.45	0.07	2.46	0.11	80.7	22.1	76	1.20	62.0	3.88	20.0	< 0.05	1.4	0.046	1.52	37.3	18.8	1.40	606
402623	< 0.01	7.07	< 0.2	420	1.87	0.06	2.55	0.09	58.9	21.0	100	1.16	33.5	4.19	19.3	< 0.05	2.5	0.047	1.42	27.0	17.5	1.59	670
402624	< 0.01	6.73	< 0.2	410	1.38	0.07	2.58	0.08	60.7	19.9	86	1.16	69.2	3.85	19.5	< 0.05	3.4	0.043	1.39	29.2	17.0	1.45	648
402625	< 0.01	6.98	< 0.2	400	1.57	0.06	2.88	0.07	58.9	19.6	129	0.89	35.2	3.98	17.9	< 0.05	3.4	0.051	1.36	27.5	14.0	1.60	699
402626	< 0.01	6.92	< 0.2	430	1.28	0.06	2.92	0.09	64.7	18.4	94	0.89	32.4	3.58	18.5	< 0.05	3.9	0.049	1.47	29.6	13.7	1.39	701
402627	< 0.01	7.04	< 0.2	460	1.52	0.06	2.69	0.12	70.4	19.4	107	1.05	29.9	3.66	18.9	0.13	4.0	0.045	1.56	32.0	16.0	1.41	709
402628	< 0.01	6.68	< 0.2	460	1.56	0.05	2.35	0.11	76.0	14.8	73	1.05	23.4	3.06	19.0	< 0.05	4.7	0.044	1.60	35.7	15.6	1.07	581
402629	< 0.01	6.86	< 0.2	440	1.57	0.07	2.17	0.10	77.6	22.7	88	1.76	63.4	3.78	19.1	0.20	4.6	0.039	1.57	35.6	22.2	1.35	543
402630	< 0.01	7.34	< 0.2	470	1.44	0.07	2.62	0.10	74.3	21.6	99	1.36	57.6	4.12	18.3	< 0.05	3.8	0.045	1.66	33.8	18.7	1.51	722
402631	< 0.01	6.75	< 0.2	480	1.75	0.07	2.37	0.13	48.4	18.2	106	1.40	41.5	3.86	18.6	< 0.05	4.7	0.056	1.55	22.5	21.1	1.38	617
402632	< 0.01	6.49	< 0.2	390	1.43	0.06	2.61	0.14	68.4	18.8	114	0.97	55.0	3.65	18.2	< 0.05	1.3	0.052	1.30	31.7	15.6	1.35	680
402633	0.07	6.67	< 0.2	410	1.40	0.08	2.32	0.17	47.2	18.4	95	1.31	319	4.45	18.4	< 0.05	2.6	0.225	1.45	21.4	17.2	1.45	607
402634	< 0.01	7.06	3.5	410	1.61	0.08	2.45	0.06	67.8	25.0	92	1.37	113	4.37	19.7	< 0.05	2.2	0.054	1.41	31.0	20.0	1.60	697
402635	< 0.01	7.20	3.1	450	1.57	0.09	2.53	0.21	66.6	23.6	68	1.51	114	4.29	18.6	< 0.05	2.6	0.050	1.58	31.5	20.3	1.52	676
402636	< 0.01	7.36	4.8	460	1.63	0.09	2.50	0.18	72.8	23.3	101	1.50	164	4.54	20.1	< 0.05	3.5	0.053	1.61	34.1	20.9	1.63	731
402637	< 0.01	7.03	10.6	430	1.67	0.08	2.55	0.12	70.5	22.6	90	1.30	158	4.17	18.9	< 0.05	3.4	0.059	1.46	32.9	18.7	1.51	687
402638	< 0.01	7.06	2.3	440	1.44	0.07	2.57	0.11	74.3	18.9	117	1.32	97.4	3.90	17.7	< 0.05	4.3	0.054	1.43	38.1	18.9	1.51	702
402639	< 0.01	7.34	< 0.2	490	1.78	0.08	1.96	0.17	75.3	22.2	134	1.94	43.7	4.52	19.5	< 0.05	4.1	0.052	1.82	35.3	25.3	1.67	581
402640	< 0.01	7.28	< 0.2	500	1.46	0.08	1.91	0.19	78.1	20.9	126	2.02	42.9	4.49	18.6	< 0.05	2.7	0.043	1.62	39.5	26.6	1.66	594
402641	0.08	6.68	9.3	340	1.15	0.09	3.24	0.59	60.8	27.9	124	0.95	86.6	4.59	17.7	< 0.05	2.4	0.050	1.12	28.6	14.7	2.14	860
402642	< 0.01	7.02	< 0.2	420	1.36	0.07	2.61	0.08	60.8	21.5	103	1.36	133	4.33	18.0	< 0.05	2.9	0.056	1.40	28.4	18.4	1.56	675
402643	< 0.01	7.09	< 0.2	440	1.72	0.07	2.27	0.09	77.1	21.8	96	1.76	175	4.48	18.8	< 0.05	3.4	0.057	1.43	33.8	22.7	1.49	723
402644	< 0.01	7.22	< 0.2	410	1.57	0.08	2.51	0.08	55.1	25.4	89	1.43	112	4.41	19.2	0.13	3.3	0.055	1.41	24.1	20.4	1.52	676
402645	< 0.01	6.39	< 0.2	370	1.56	0.08	2.19	0.11	74.4	22.8	91	1.69	246	3.77	19.1	< 0.05	5.0	0.061	1.23	38.2	21.9	1.31	586
402646	< 0.01	6.96	< 0.2	440	1.51	0.06	2.49	0.12	70.7	20.9	101	1.31	98.8	3.76	18.4	< 0.05	4.2	0.053	1.46	33.1	18.3	1.44	553

Analyte Symbol	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn
Unit Symbol	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5
Method Code	TD-MS	TD-ICP	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-ICP
402647	< 0.01	6.78	< 0.2	430	1.85	0.06	2.49	0.14	78.1	19.1	82	1.26	107	3.76	17.4	< 0.05	4.4	0.048	1.52	37.2	17.3	1.26	618
402648	< 0.01	6.82	< 0.2	450	1.35	0.05	2.61	0.07	60.0	16.6	126	1.04	27.4	3.75	16.6	< 0.05	4.7	0.058	1.47	26.9	16.1	1.32	707
402649	< 0.01	6.41	< 0.2	420	1.63	0.05	2.32	0.09	67.9	15.3	99	0.93	20.1	3.13	17.5	< 0.05	0.3	0.050	1.37	32.2	15.8	1.05	605
402650	< 0.01	6.79	< 0.2	430	1.63	0.06	2.55	0.13	84.0	20.3	76	1.12	35.9	3.61	18.2	< 0.05	0.9	0.050	1.50	38.1	16.8	1.24	712
402651	< 0.01	7.25	< 0.2	500	1.90	0.07	2.23	0.10	92.3	21.3	83	1.90	62.4	4.36	19.9	< 0.05	2.1	0.053	1.50	43.9	24.7	1.50	717
402652	< 0.01	6.93	< 0.2	450	1.64	0.06	2.61	0.13	87.5	21.8	86	1.27	37.9	4.21	19.2	< 0.05	3.4	0.058	1.49	41.3	19.6	1.45	820
402653	< 0.01	7.22	< 0.2	440	2.21	0.07	2.34	0.06	74.7	20.5	96	1.47	39.6	4.29	19.6	< 0.05	4.2	0.058	1.52	34.1	21.0	1.47	739
402654	< 0.01	7.21	< 0.2	460	1.58	0.07	2.49	0.06	80.9	20.7	93	1.34	41.3	4.38	18.8	< 0.05	4.5	0.051	1.58	40.0	20.1	1.48	759
402655	< 0.01	7.24	< 0.2	450	1.35	0.06	2.68	0.11	81.0	18.8	88	1.04	46.6	4.05	19.1	0.15	5.3	0.049	1.54	37.6	17.3	1.33	717
402656	< 0.01	7.53	< 0.2	420	1.61	0.06	2.96	0.12	79.6	22.1	80	1.06	71.7	4.64	20.0	0.17	4.7	0.055	1.45	35.5	17.3	1.52	806
402657	< 0.01	7.36	2.0	410	1.30	0.06	2.97	0.14	65.8	20.4	88	1.07	64.1	4.60	18.4	< 0.05	4.5	0.047	1.41	33.2	18.7	1.61	772
402658	< 0.01	6.84	< 0.2	410	1.58	0.05	2.66	0.15	68.2	19.3	120	1.12	47.7	4.08	17.1	0.06	3.9	0.044	1.41	32.7	16.5	1.55	687
402659	< 0.01	6.55	< 0.2	400	1.66	0.06	2.63	0.13	60.0	17.0	135	1.08	51.9	3.70	16.2	< 0.05	4.0	0.050	1.31	29.6	14.9	1.40	633
402660	< 0.01	6.33	< 0.2	350	1.09	0.04	1.92	0.03	27.5	6.1	54	0.68	6.1	1.43	14.0	< 0.05	1.8	0.021	1.27	12.2	6.7	0.53	314
402661	< 0.01	7.03	1.2	380	1.50	0.08	2.64	0.06	54.3	18.1	72	1.24	61.9	4.31	17.1	< 0.05	1.9	0.045	1.34	27.9	17.1	1.46	583
402662	< 0.01	6.96	< 0.2	420	1.48	0.06	2.79	0.10	73.7	16.9	92	0.96	33.7	3.91	17.4	< 0.05	1.5	0.050	1.40	35.2	15.5	1.49	683
402663	< 0.01	6.43	1.6	390	1.53	0.07	2.24	0.06	69.0	21.7	81	1.38	85.3	3.92	16.9	< 0.05	2.7	0.057	1.41	27.4	18.0	1.27	692
402664	< 0.01	6.81	< 0.2	420	1.53	0.06	2.26	0.14	72.7	19.5	106	1.29	33.7	3.81	18.2	< 0.05	3.5	0.045	1.45	33.8	18.5	1.40	673
402665	< 0.01	6.44	< 0.2	400	1.57	0.06	2.12	0.08	55.9	19.4	122	1.35	38.8	3.71	17.5	0.07	3.7	0.045	1.35	27.6	18.0	1.31	671
402666	< 0.01	6.75	3.6	410	1.35	0.08	2.23	0.08	67.7	17.7	150	1.58	65.7	4.03	17.2	< 0.05	5.1	0.046	1.44	36.3	20.3	1.43	677
402667	0.03	7.60	15.1	380	1.26	0.17	2.40	0.23	55.1	29.8	116	1.55	108	5.26	19.1	0.16	2.6	0.053	1.61	26.8	17.9	1.68	647
402668	< 0.01	7.15	< 0.2	460	1.59	0.07	2.26	0.10	81.8	19.5	177	1.66	37.0	4.18	17.6	< 0.05	4.0	0.052	1.61	37.6	21.3	1.53	669
402669	< 0.01	6.86	< 0.2	440	1.71	0.06	2.38	0.16	80.8	19.6	104	1.53	32.2	4.04	17.8	< 0.05	3.9	0.054	1.47	38.5	19.4	1.48	712
402670	< 0.01	6.56	< 0.2	410	1.61	0.06	2.13	0.09	64.2	19.5	118	1.35	33.5	3.97	17.8	< 0.05	4.5	0.045	1.42	26.7	19.0	1.33	695
402671	< 0.01	7.75	5.3	450	1.47	0.07	2.92	0.13	68.7	27.7	117	1.32	42.7	5.14	17.8	< 0.05	3.1	0.058	1.66	31.1	18.4	1.79	889
402672	0.01	7.91	6.0	510	2.01	0.11	2.11	0.21	90.0	32.8	114	2.63	110	6.32	20.0	< 0.05	2.1	0.056	1.80	42.9	26.8	1.74	762
402673	< 0.01	7.91	< 0.2	540	1.78	0.08	2.43	0.15	76.1	26.3	156	2.22	49.6	5.31	18.4	< 0.05	2.6	0.056	1.85	35.7	25.2	2.30	747
402674	< 0.01	7.19	< 0.2	460	1.70	0.06	2.62	0.11	82.9	20.7	99	1.53	64.7	4.39	17.0	< 0.05	3.4	0.056	1.64	38.6	17.7	1.51	761
402675	< 0.01	7.76	5.9	280	0.95	0.10	4.17	0.08	41.6	33.6	122	0.73	61.1	6.08	18.4	0.14	2.0	0.056	1.07	19.2	12.2	2.82	1010
402676	< 0.01	7.30	< 0.2	400	1.45	0.07	2.93	0.10	67.0	22.2	106	1.08	59.9	4.47	17.7	< 0.05	3.1	0.060	1.39	31.1	14.9	1.79	777
402677	< 0.01	6.95	1.0	400	1.60	0.06	2.74	0.15	74.7	26.6	176	1.39	47.9	4.65	16.2	0.13	4.2	0.056	1.40	34.9	16.8	2.13	891
402678	< 0.01	8.14	2.1	550	1.72	0.08	2.32	0.18	78.7	26.5	135	2.10	50.6	5.80	17.7	< 0.05	3.5	0.047	1.99	35.8	23.0	2.07	1140
402679	0.07	6.85	< 0.2	380	1.32	0.08	2.69	0.08	73.4	28.2	236	1.68	39.4	4.78	17.3	< 0.05	2.6	0.055	1.30	35.4	22.8	2.77	699
402680	< 0.01	6.27	< 0.2	360	1.26	0.06	1.94	0.04	21.5	5.9	39	0.75	10.2	1.40	13.6	0.18	1.2	0.019	1.33	9.5	7.8	0.54	301
402681	< 0.01	6.96	< 0.2	410	1.65	0.07	2.89	0.11	73.6	26.0	130	1.23	41.2	4.44	17.1	< 0.05	1.8	0.055	1.41	34.3	17.6	2.20	830
402682	< 0.01	7.22	1.9	420	1.85	0.09	2.59	0.12	91.0	36.4	211	1.83	65.9	5.20	17.6	< 0.05	2.4	0.062	1.43	40.1	21.3	2.94	757
402683	< 0.01	7.72	< 0.2	530	1.82	0.08	2.46	0.16	92.8	22.8	106	1.86	42.6	4.89	18.1	< 0.05	3.5	0.056	1.72	44.1	21.7	1.71	890
402684	< 0.01	7.74	5.1	470	1.73	0.12	2.53	0.24	80.4	36.5	233	2.24	122	6.35	18.3	< 0.05	2.8	0.065	1.74	38.3	24.2	2.95	780
402685	< 0.01	6.94	8.8	380	1.39	0.14	2.97	0.27	58.3	46.4	325	1.80	191	6.81	16.5	0.12	3.5	0.064	1.32	29.3	19.6	3.52	1010
402686	< 0.01	6.78	2.3	320	1.28	0.10	3.56	0.09	52.6	42.6	402	1.77	64.7	6.20	15.0	0.07	2.8	0.049	1.17	26.6	19.2	4.82	974
402687	< 0.01	6.79	3.7	360	1.24	0.08	3.31	0.09	52.6	35.8	462	1.61	56.9	5.71	15.6	< 0.05	3.0	0.049	1.35	26.0	19.3	3.79	931
402688	< 0.01	7.44	1.9	450	1.63	0.09	2.31	0.12	73.8	30.1	159	2.00	70.9	5.10	18.7	< 0.05	2.2	0.053	1.65	34.3	23.5	2.18	803

Analyte Symbol	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn
Unit Symbol	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5
Method Code	TD-MS	TD-ICP	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-ICP
402689	< 0.01	7.55	0.2	440	1.66	0.09	2.54	0.10	73.6	28.2	125	1.61	60.7	5.01	17.5	< 0.05	2.1	0.062	1.49	34.5	20.8	2.06	861
402690	< 0.01	6.65	3.2	310	1.25	0.09	3.23	0.21	44.6	45.1	279	1.39	87.3	5.93	15.6	0.07	2.1	0.054	1.15	20.5	15.9	3.67	831
402691	< 0.01	7.91	2.8	520	1.79	0.08	2.36	0.25	78.1	31.3	154	1.99	55.8	4.66	18.0	< 0.05	3.6	0.057	2.11	37.4	23.1	2.25	643
402692	< 0.01	7.06	4.0	350	1.33	0.09	3.58	0.10	64.5	36.9	261	1.26	65.8	5.92	15.8	0.25	3.3	0.062	1.26	30.6	15.7	3.32	956
402693	< 0.01	7.93	1.2	550	1.97	0.09	2.36	0.15	101	23.5	199	2.19	59.0	5.33	17.8	< 0.05	4.8	0.058	2.02	50.5	24.6	1.89	931
402694	< 0.01	7.82	0.4	530	2.03	0.09	2.49	0.10	81.8	19.0	112	1.83	32.8	4.82	17.8	< 0.05	4.8	0.054	1.90	39.7	22.8	1.62	858
402695	< 0.01	7.44	1.8	450	1.45	0.07	2.16	0.17	63.5	30.1	285	2.10	42.1	6.11	16.4	0.12	3.1	0.056	1.62	31.4	21.1	2.59	976
402696	< 0.01	7.92	1.3	530	1.98	0.08	2.29	0.15	81.7	20.2	126	2.04	38.2	5.00	15.9	< 0.05	3.9	0.055	1.91	38.3	22.9	1.77	703
402697	< 0.01	7.44	2.4	550	2.04	0.09	2.40	0.19	56.8	24.4	141	2.04	47.3	5.04	17.9	< 0.05	4.5	0.054	1.73	26.8	24.6	1.85	746
402698	< 0.01	7.53	< 0.2	540	1.90	0.08	2.16	0.15	86.9	19.2	119	1.97	43.0	4.49	17.2	< 0.05	3.8	0.054	1.78	41.6	21.9	1.56	627
402699	< 0.01	7.82	< 0.2	510	1.93	0.09	2.23	0.12	85.4	18.9	73	1.99	78.6	4.91	18.1	< 0.05	1.1	0.057	1.80	40.7	23.2	1.52	731
402700	< 0.01	7.83	< 0.2	500	1.89	0.08	2.35	0.09	85.5	19.1	82	1.89	77.0	4.84	18.3	< 0.05	3.4	0.057	1.81	40.4	21.7	1.51	773
402701	< 0.01	7.76	< 0.2	530	1.93	0.10	2.12	0.12	95.7	22.6	99	2.08	69.4	4.96	19.3	< 0.05	4.6	0.059	1.88	46.8	26.2	1.53	876
402702	< 0.01	7.77	< 0.2	490	1.81	0.09	2.44	0.10	81.7	19.6	102	1.70	103	4.88	17.0	< 0.05	4.4	0.055	1.76	38.4	20.8	1.57	776
402703	< 0.01	7.89	1.5	510	1.71	0.09	2.38	0.09	102	24.2	97	1.62	62.0	5.34	17.2	< 0.05	4.4	0.056	1.80	45.5	21.0	1.62	932
402704	< 0.01	7.94	1.8	520	1.81	0.10	2.63	0.18	93.9	20.3	100	1.59	45.6	5.02	17.5	< 0.05	4.8	0.060	1.82	44.1	19.2	1.57	890
402705	< 0.01	7.59	0.9	500	1.51	0.07	2.63	0.13	87.7	19.1	84	1.18	25.9	4.41	15.8	< 0.05	5.2	0.051	1.72	38.4	16.4	1.38	863
402706	< 0.01	7.53	1.8	460	1.47	0.11	2.64	0.13	79.7	21.1	84	1.26	62.1	4.84	16.2	< 0.05	4.3	0.057	1.56	36.9	16.4	1.47	801
402707	< 0.01	7.62	0.3	510	1.59	0.08	2.49	0.14	83.9	18.8	80	1.52	40.1	4.42	17.4	< 0.05	4.2	0.054	1.72	40.0	18.6	1.45	811
402708	< 0.01	6.88	< 0.2	450	1.37	0.06	2.28	0.08	89.4	17.3	71	1.40	29.6	3.76	18.5	< 0.05	1.2	0.050	1.50	42.9	17.7	1.25	722
402709	< 0.01	6.86	< 0.2	480	1.68	0.08	2.15	0.22	92.2	23.1	95	1.91	55.0	4.56	19.1	< 0.05	1.7	0.054	1.61	43.3	21.9	1.43	813
402710	< 0.01	7.07	< 0.2	460	1.60	0.07	2.34	0.10	94.8	19.3	93	1.41	31.7	4.63	18.3	< 0.05	4.2	0.060	1.59	42.9	19.6	1.43	801
402711	< 0.01	7.34	1.0	420	1.49	0.10	2.33	0.07	79.5	26.9	100	1.46	60.6	5.10	19.2	< 0.05	3.0	0.060	1.43	33.9	19.6	1.64	809
402712	< 0.01	7.35	< 0.2	460	1.50	0.08	2.51	0.14	100	23.6	90	1.54	45.7	4.79	18.9	< 0.05	3.9	0.052	1.54	47.6	19.5	1.58	854
402713	< 0.01	7.47	< 0.2	460	1.37	0.07	2.43	0.12	79.8	20.1	87	1.42	40.3	4.62	18.3	< 0.05	3.5	0.056	1.56	37.2	18.6	1.50	775
402714	< 0.01	7.05	< 0.2	480	1.58	0.07	2.28	0.09	90.9	20.6	89	1.63	38.5	4.55	18.7	< 0.05	4.1	0.060	1.66	42.4	19.9	1.44	802
402715	< 0.01	7.72	0.7	490	1.37	0.08	2.36	0.09	90.3	26.2	95	1.61	98.7	4.77	19.0	< 0.05	4.7	0.054	1.67	43.0	20.7	1.55	818
402716	< 0.01	7.04	0.3	460	1.50	0.09	2.57	0.12	78.6	20.3	105	1.32	47.0	4.28	18.3	< 0.05	4.0	0.050	1.54	37.6	16.2	1.43	790
402717	< 0.01	7.04	< 0.2	390	1.36	0.09	2.82	0.11	74.5	21.6	98	1.08	39.3	4.29	18.9	< 0.05	1.9	0.060	1.30	33.5	15.0	1.51	791
402718	< 0.01	7.04	< 0.2	330	1.18	0.14	2.95	0.09	61.5	20.5	81	1.02	52.1	4.56	18.0	< 0.05	1.9	0.060	1.05	29.1	16.7	1.70	786
402719	< 0.01	7.03	< 0.2	440	1.49	0.07	2.20	0.13	89.8	19.0	80	1.52	36.7	4.17	19.6	< 0.05	3.1	0.056	1.49	41.5	20.1	1.38	682
402720	< 0.01	6.47	< 0.2	370	1.13	0.04	2.00	0.03	27.7	6.4	56	0.74	6.8	1.59	14.8	0.09	2.3	0.023	1.31	12.7	6.6	0.55	334
402721	< 0.01	6.62	< 0.2	440	1.40	0.06	2.17	0.12	99.7	16.9	81	1.42	39.8	3.65	18.6	< 0.05	4.0	0.052	1.51	48.8	17.9	1.19	650
402722	< 0.01	6.90	< 0.2	480	1.50	0.08	2.15	0.07	89.6	17.3	75	1.67	53.7	3.87	18.0	< 0.05	4.1	0.053	1.65	42.6	20.9	1.29	677
402723	< 0.01	7.46	1.1	550	1.61	0.08	2.13	0.19	100	21.3	86	1.96	79.6	4.32	19.7	< 0.05	4.9	0.054	1.87	45.7	23.0	1.47	910
402724	< 0.01	7.17	1.8	480	1.42	0.07	2.35	0.15	91.3	20.4	143	1.52	53.9	4.28	19.0	< 0.05	5.3	0.060	1.64	41.1	20.1	1.42	638
402725	< 0.01	7.17	1.5	480	1.66	0.08	2.19	0.12	97.1	20.8	87	1.94	62.0	4.48	20.2	< 0.05	4.9	0.054	1.75	47.4	23.5	1.45	833
402726	< 0.01	7.34	0.3	510	1.66	0.08	2.28	0.10	96.5	21.5	89	1.62	44.5	4.56	20.3	< 0.05	4.4	0.059	1.78	44.8	21.4	1.46	821
402727	< 0.01	7.25	1.8	490	1.59	0.11	2.27	0.15	86.9	26.0	111	1.82	73.6	4.76	21.6	< 0.05	4.4	0.057	1.65	39.6	22.8	1.55	799
402728	< 0.01	6.97	< 0.2	430	1.52	0.08	2.71	0.09	91.2	21.0	91	1.03	37.0	4.07	18.5	< 0.05	2.1	0.059	1.47	40.0	16.2	1.40	776
402729	< 0.01	7.67	0.3	490	1.58	0.09	2.37	0.09	99.8	23.2	87	1.81	57.6	4.73	20.9	< 0.05	4.0	0.062	1.66	48.2	22.5	1.64	708
402730	< 0.01	7.48	< 0.2	480	1.39	0.08	2.54	0.11	88.4	18.6	80	1.33	32.6	4.10	19.9	< 0.05	3.8	0.060	1.62	41.3	19.0	1.47	729

Analyte Symbol	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn
Unit Symbol	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5
Method Code	TD-MS	TD-ICP	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-ICP
402731	< 0.01	7.03	< 0.2	490	1.64	0.06	2.24	0.07	95.7	18.0	94	1.38	35.6	4.49	19.2	< 0.05	4.4	0.063	1.57	44.1	17.7	1.31	843
402732	< 0.01	7.06	< 0.2	480	1.71	0.06	2.42	0.14	97.7	18.1	94	1.30	33.9	3.99	19.8	< 0.05	5.1	0.056	1.63	46.9	17.8	1.25	760
402733	< 0.01	7.23	1.0	430	1.41	0.08	2.37	0.05	70.4	18.9	87	1.33	35.1	4.15	20.0	0.11	4.4	0.055	1.52	31.9	19.1	1.43	690
402734	< 0.01	7.23	1.2	440	1.22	0.09	2.64	0.09	72.5	17.2	84	1.08	33.0	3.91	20.2	0.21	5.5	0.055	1.52	33.3	16.5	1.37	654
402735	< 0.01	6.69	0.3	450	1.56	0.06	2.29	0.10	77.4	16.3	79	1.11	30.5	3.30	18.2	< 0.05	4.5	0.046	1.53	36.1	15.6	1.15	629
402736	< 0.01	6.82	< 0.2	480	1.52	0.08	2.08	0.12	92.3	16.9	93	1.70	42.5	3.63	18.1	< 0.05	5.1	0.048	1.63	46.0	23.9	1.24	528
402737	< 0.01	7.28	< 0.2	470	1.52	0.08	2.11	0.09	81.3	20.4	92	1.53	72.6	4.00	19.3	< 0.05	3.7	0.054	1.52	38.0	20.1	1.40	546
402738	< 0.01	6.46	2.3	460	1.76	0.07	2.13	0.12	110	20.9	111	1.44	38.0	3.92	19.6	< 0.05	4.7	0.061	1.52	54.8	23.0	1.32	784
402739	< 0.01	6.87	2.9	470	1.58	0.08	2.28	0.11	91.0	23.4	94	1.72	43.2	4.10	20.2	< 0.05	2.6	0.057	1.63	41.1	21.9	1.42	768
402740	< 0.01	9.42	1.7	140	0.98	0.32	0.31	0.02	50.2	9.1	84	6.61	40.2	6.22	31.0	< 0.05	1.7	0.088	0.52	23.4	35.8	0.33	484
402741	< 0.01	6.92	0.7	430	1.62	0.11	2.27	0.08	81.4	23.1	89	1.57	66.7	4.24	21.0	< 0.05	3.4	0.053	1.51	38.5	21.7	1.50	729
402742	< 0.01	6.92	1.5	410	1.36	0.12	2.52	0.10	79.6	25.6	83	1.30	119	4.22	20.5	< 0.05	3.6	0.054	1.43	35.1	17.6	1.54	767
402743	< 0.01	7.90	5.8	510	1.54	0.11	2.31	0.09	76.4	20.0	87	1.51	48.6	4.63	18.7	< 0.05	4.4	0.040	1.74	37.9	23.1	1.61	688
402744	< 0.01	7.29	< 0.2	460	1.44	0.05	2.58	0.06	65.1	19.8	104	1.32	33.1	4.05	18.8	< 0.05	3.7	0.051	1.53	30.1	19.8	1.46	600
402745	< 0.01	7.09	< 0.2	500	1.39	0.06	2.37	0.09	80.2	13.4	65	1.34	25.7	3.30	18.2	< 0.05	4.4	0.045	1.77	39.6	17.3	1.12	548
402746	< 0.01	7.32	0.9	430	1.33	0.07	2.78	0.08	71.0	23.7	100	1.15	110	4.59	19.4	0.09	4.3	0.045	1.49	32.9	17.2	1.67	763
402747	< 0.01	7.23	< 0.2	450	1.44	0.07	2.56	0.10	70.7	16.6	87	1.13	47.1	3.63	18.3	< 0.05	3.0	0.055	1.48	34.9	17.6	1.35	624
402748	< 0.01	6.46	< 0.2	440	1.50	0.05	2.09	0.07	74.4	14.5	72	1.31	20.2	3.14	18.1	< 0.05	2.3	0.051	1.55	34.1	16.9	1.03	572
402749	< 0.01	6.54	< 0.2	440	1.41	0.05	2.20	0.08	75.1	14.5	73	1.21	21.4	3.27	18.6	< 0.05	4.0	0.045	1.49	34.6	15.9	1.09	596
402750	< 0.01	6.90	< 0.2	490	1.44	0.05	2.10	0.09	75.1	15.3	67	1.44	28.7	3.49	19.6	< 0.05	3.1	0.043	1.68	36.5	19.3	1.18	631
402751	< 0.01	7.10	< 0.2	490	1.51	0.08	2.23	0.07	86.5	16.6	69	1.47	27.8	3.72	19.2	< 0.05	3.5	0.050	1.69	40.6	19.3	1.21	681
402752	< 0.01	7.34	< 0.2	500	1.46	0.08	2.36	0.08	87.3	18.2	77	1.47	30.6	3.95	20.7	< 0.05	4.9	0.048	1.78	40.2	19.6	1.21	663
402753	< 0.01	7.79	< 0.2	530	1.41	0.10	2.56	0.12	90.4	18.9	87	1.51	36.1	4.38	20.2	< 0.05	4.2	0.056	1.87	42.6	19.9	1.49	731
402754	< 0.01	8.23	< 0.2	460	1.44	0.15	2.89	0.13	84.6	24.9	98	1.30	46.3	5.61	20.5	< 0.05	2.7	0.063	1.52	39.6	18.2	1.92	968
402755	< 0.01	7.71	6.2	260	0.90	0.47	3.34	0.07	35.3	22.7	143	0.69	56.1	7.56	20.2	0.09	2.4	0.087	0.77	16.1	10.9	2.84	1080
402756	< 0.01	7.01	2.2	420	1.36	0.13	2.86	0.13	57.7	23.9	118	1.02	49.7	5.02	19.4	< 0.05	4.0	0.061	1.39	26.9	15.7	1.63	933
402757	< 0.01	7.70	< 0.2	400	1.26	0.16	3.32	0.14	75.3	27.6	110	0.81	59.1	5.44	18.6	< 0.05	1.5	0.064	1.28	33.8	13.0	1.83	970
402758	< 0.01	7.67	< 0.2	480	1.57	0.08	2.66	0.09	103	19.2	91	1.18	42.4	4.79	18.6	< 0.05	0.5	0.049	1.62	47.5	16.7	1.44	849
402759	< 0.01	7.48	< 0.2	470	1.47	0.10	2.76	0.19	107	18.5	100	1.09	39.1	4.66	17.9	< 0.05	3.3	0.057	1.57	49.0	16.1	1.40	925
402760	< 0.01	7.15	< 0.2	450	1.55	0.08	2.46	0.20	105	19.1	92	1.18	41.7	4.35	18.6	< 0.05	4.6	0.054	1.51	47.6	16.2	1.32	871
402761	< 0.01	8.05	4.9	490	1.43	0.12	2.23	0.20	75.3	30.0	110	1.91	69.7	5.86	21.1	< 0.05	3.1	0.064	1.73	34.5	23.7	2.04	762
402762	< 0.01	8.43	4.6	600	1.68	0.09	1.90	0.19	86.2	28.2	109	2.37	53.4	5.55	21.3	< 0.05	3.8	0.053	2.16	39.8	26.7	1.80	1110
402763	< 0.01	7.46	6.2	480	1.62	0.09	1.80	0.09	94.3	23.8	84	2.00	45.8	4.34	21.5	< 0.05	4.0	0.055	1.79	43.6	25.5	1.48	621
402764	< 0.01	8.03	< 0.2	500	1.42	0.08	2.26	0.13	83.2	21.9	102	1.61	51.2	4.72	20.6	< 0.05	3.6	0.053	1.76	37.2	21.4	1.66	660
402765	< 0.01	7.63	0.7	440	1.35	0.07	2.61	0.13	71.9	22.9	105	1.11	41.8	4.77	20.4	< 0.05	4.3	0.051	1.51	31.1	17.1	1.70	882
402766	< 0.01	7.64	5.3	410	1.28	0.09	2.77	0.14	47.6	25.1	113	1.04	77.8	5.13	19.1	< 0.05	3.7	0.059	1.39	20.7	16.0	1.81	1020
402767	0.22	7.77	10.6	500	1.74	0.20	2.10	0.21	89.7	31.3	99	1.91	938	5.09	21.2	< 0.05	3.4	0.075	1.76	41.8	23.9	1.57	644
402768	< 0.01	7.30	0.4	380	1.37	0.11	2.45	0.13	63.6	27.5	85	1.29	62.4	4.52	20.5	< 0.05	2.5	0.059	1.22	29.2	19.4	1.74	764
402769	< 0.01	7.45	< 0.2	310	1.20	0.12	2.91	0.10	50.8	32.6	112	0.79	59.7	5.46	19.2	< 0.05	1.8	0.057	0.99	23.1	14.7	2.23	1020
402770	< 0.01	7.57	< 0.2	370	1.31	0.12	2.80	0.21	75.2	31.0	104	0.94	58.5	5.16	20.0	< 0.05	2.7	0.065	1.20	31.1	15.3	1.91	1120
402771	< 0.01	6.76	1.0	440	1.76	0.11	1.72	0.22	82.8	26.5	78	2.24	71.6	4.31	22.2	< 0.05	3.2	0.053	1.64	40.2	27.5	1.55	698
402772	< 0.01	7.83	1.9	480	1.63	0.11	1.95	0.17	77.2	25.9	91	1.92	60.9	5.05	21.5	0.06	3.4	0.056	1.77	36.5	25.3	1.72	830

Analyte Symbol	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn
Unit Symbol	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5
Method Code	TD-MS	TD-ICP	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-ICP
402773	< 0.01	8.25	1.4	520	1.71	0.14	2.45	0.11	79.2	26.7	114	1.80	59.3	5.65	21.2	< 0.05	5.0	0.057	1.70	38.7	26.4	1.86	885
402774	< 0.01	3.87	1.9	240	1.69	0.11	0.94	0.18	80.1	27.2	46	2.07	62.5	2.40	21.7	0.23	3.9	0.054	0.88	36.9	26.8	0.85	414
402775	< 0.01	7.90	0.3	520	1.64	0.10	2.15	0.19	78.0	24.2	87	1.81	47.9	4.95	20.9	< 0.05	3.5	0.058	1.86	36.2	23.7	1.64	793
402776	< 0.01	7.58	1.9	370	1.20	0.09	2.64	0.12	59.7	25.3	119	0.97	42.8	5.25	19.3	0.11	2.9	0.055	1.21	26.3	16.3	1.94	929
402777	< 0.01	7.67	0.8	440	1.41	0.08	2.50	0.12	55.9	22.8	148	1.15	42.6	5.09	20.6	< 0.05	3.5	0.061	1.49	25.5	19.2	1.87	883
402778	< 0.01	7.46	< 0.2	340	1.23	0.09	3.08	0.09	54.8	20.2	105	0.61	30.5	4.53	19.5	< 0.05	2.2	0.065	1.08	26.1	12.8	1.69	851
402779	< 0.01	7.92	1.6	390	1.40	0.09	2.66	0.17	60.0	23.1	112	0.95	44.9	4.72	19.4	< 0.05	2.0	0.060	1.20	28.0	16.8	1.87	890
402780	< 0.01	6.51	< 0.2	370	1.20	0.05	1.96	0.04	17.7	6.0	33	0.68	33.2	1.40	14.7	0.22	1.0	0.017	1.34	8.0	6.5	0.54	291
402781	< 0.01	7.26	< 0.2	450	1.71	0.08	2.06	0.14	81.7	19.5	78	1.46	49.7	3.88	20.4	< 0.05	3.5	0.053	1.47	37.8	19.9	1.36	715
402782	< 0.01	7.49	3.4	400	1.54	0.12	2.57	0.19	67.3	28.0	143	1.31	73.6	5.39	19.5	0.07	3.2	0.055	1.34	30.2	18.9	2.13	924
402783	< 0.01	7.41	3.3	340	1.23	0.10	2.62	0.16	47.7	25.9	126	0.89	55.6	5.07	19.6	0.27	2.7	0.056	1.09	21.9	16.4	2.02	937
402784	< 0.01	7.41	2.3	350	1.19	0.09	2.77	0.12	52.4	28.4	133	0.82	58.7	5.13	18.6	0.22	2.8	0.058	1.13	24.2	14.9	2.12	974
402785	< 0.01	7.30	1.6	320	1.09	0.12	2.76	0.10	52.7	27.7	133	0.87	53.6	5.30	18.8	< 0.05	3.1	0.057	0.99	24.3	15.4	2.14	1030
402786	< 0.01	7.90	0.6	380	1.46	0.10	3.14	0.14	54.9	29.7	141	0.79	48.5	5.55	19.1	< 0.05	2.4	0.064	1.20	23.2	15.7	2.24	1090
402787	< 0.01	7.67	< 0.2	340	1.37	0.09	3.37	0.09	52.8	24.2	113	0.62	31.9	5.12	18.1	< 0.05	2.2	0.063	1.07	22.7	12.0	1.95	1020
402788	< 0.01	7.51	< 0.2	400	1.53	0.09	2.72	0.12	68.8	25.7	122	1.03	49.1	5.05	18.9	< 0.05	2.8	0.055	1.30	31.7	18.1	1.94	982
402789	< 0.01	7.84	< 0.2	440	1.52	0.09	2.78	0.11	70.0	21.5	115	0.99	44.6	5.03	18.9	< 0.05	2.9	0.059	1.47	32.6	17.2	1.81	933
402790	< 0.01	7.75	< 0.2	450	1.63	0.08	2.71	0.10	64.2	20.5	99	0.97	45.3	4.71	18.6	0.06	3.4	0.051	1.48	28.7	16.9	1.69	863
402791	< 0.01	8.33	< 0.2	570	1.80	0.10	2.18	0.13	84.2	25.3	104	1.86	55.7	5.30	20.5	0.10	3.9	0.046	1.96	39.6	25.3	1.76	929
402792	< 0.01	7.70	< 0.2	480	1.54	0.10	2.47	0.13	74.8	21.6	126	1.36	45.4	4.77	19.0	0.11	3.8	0.043	1.62	33.6	18.9	1.79	710
402793	< 0.01	8.00	< 0.2	570	1.70	0.10	2.20	0.22	75.4	22.8	90	1.69	41.5	5.02	19.7	0.20	3.6	0.049	1.91	33.9	22.1	1.63	931
402794	< 0.01	7.71	1.8	450	1.49	0.11	2.66	0.12	46.2	25.3	162	1.07	48.9	5.25	19.5	< 0.05	4.3	0.056	1.49	21.5	17.9	2.04	956
402795	< 0.01	7.83	2.2	390	1.20	0.13	2.94	0.16	53.1	31.9	228	1.15	66.6	5.99	19.1	< 0.05	2.2	0.056	1.23	24.8	17.7	2.83	1140
402796	< 0.01	8.49	< 0.2	450	1.58	0.13	2.74	0.15	66.8	24.0	90	1.36	68.1	5.64	20.1	< 0.05	0.8	0.054	1.40	30.2	19.5	1.86	949
402797	< 0.01	7.90	< 0.2	390	1.34	0.12	3.01	0.19	63.7	25.5	91	0.85	60.2	5.47	19.1	< 0.05	2.8	0.058	1.19	28.6	15.2	1.93	1130
402798	< 0.01	7.61	< 0.2	510	1.89	0.08	2.46	0.09	72.9	17.0	68	1.20	21.1	4.07	18.3	< 0.05	0.6	0.056	1.72	31.6	19.9	1.25	769
402799	< 0.01	7.85	< 0.2	340	1.15	0.10	3.66	0.21	60.1	29.2	78	0.62	49.5	5.62	18.7	0.08	2.6	0.068	0.98	23.3	12.2	1.99	1280
402800	0.25	7.37	29.9	2460	2.96	5.29	0.62	0.32	71.9	14.8	22	6.33	1490	3.84	22.6	< 0.05	6.6	0.569	2.43	29.0	19.0	0.28	395
402801	< 0.01	8.21	3.3	350	1.35	0.12	3.29	0.22	54.9	30.0	104	0.87	65.0	6.05	19.3	0.43	3.4	0.070	1.03	23.8	14.8	2.18	1280
402802	< 0.01	6.85	< 0.2	440	1.32	0.04	2.51	0.09	57.2	19.9	149	0.93	46.0	3.48	16.8	0.25	4.3	0.048	1.45	26.2	14.3	1.50	621
402803	< 0.01	6.65	< 0.2	400	1.18	0.05	2.67	0.09	64.2	21.4	162	0.94	58.3	3.75	17.0	0.22	5.1	0.044	1.30	29.3	14.6	1.67	617
402804	< 0.01	6.67	< 0.2	420	1.32	0.05	2.83	0.08	52.5	19.6	163	0.81	51.0	3.78	17.0	< 0.05	5.4	0.039	1.37	23.1	13.8	1.57	619
402805	< 0.01	6.36	< 0.2	380	1.24	0.05	2.64	0.09	55.8	22.3	137	0.99	52.0	3.89	16.7	< 0.05	2.2	0.044	1.29	25.3	15.1	1.67	630

Analyte Symbol	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y
Unit Symbol	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.05	0.01	0.1	0.2	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1	1	0.1	0.1
Method Code	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-ICP	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-MS	TD-MS
402563	0.22	0.68	0.4	845	440	8.7	39.7	< 0.002	0.02	< 0.05	36.6	< 1	< 0.2	103	< 0.05	< 0.05	3.3	0.213	0.45	0.7	126	0.2	12.9
402564	0.13	1.46	0.1	515	670	10.4	59.8	< 0.002	0.02	< 0.05	26.7	< 1	< 0.2	208	< 0.05	< 0.05	6.4	0.145	0.45	1.3	74	0.2	18.1
402565	0.09	1.47	< 0.1	304	530	9.6	64.2	< 0.002	< 0.01	< 0.05	30.1	< 1	< 0.2	203	< 0.05	< 0.05	5.6	0.143	0.45	1.6	84	0.2	16.4
402566	0.13	2.10	0.1	76.2	790	14.9	68.2	< 0.002	< 0.01	< 0.05	18.6	< 1	< 0.2	267	< 0.05	< 0.05	9.4	0.274	0.40	2.9	78	0.1	17.7
402567	0.11	2.17	0.1	91.2	870	15.0	67.3	< 0.002	< 0.01	< 0.05	19.9	< 1	< 0.2	279	< 0.05	< 0.05	8.8	0.256	0.40	3.0	80	0.1	19.2
402568	0.13	2.03	0.2	86.7	820	16.8	44.9	< 0.002	< 0.01	< 0.05	21.8	< 1	< 0.2	288	< 0.05	< 0.05	6.0	0.272	0.28	2.3	90	0.1	19.6
402569	0.20	1.84	0.5	98.7	830	21.6	43.0	< 0.002	< 0.01	0.06	24.7	< 1	0.3	268	< 0.05	< 0.05	5.0	0.283	0.28	1.5	104	0.1	21.0
402570	0.22	1.97	0.3	97.2	610	12.0	48.0	< 0.002	0.01	< 0.05	21.3	< 1	< 0.2	277	< 0.05	< 0.05	6.3	0.286	0.31	1.6	97	0.2	18.0
402571	0.19	2.42	1.1	45.4	1080	14.3	37.8	< 0.002	< 0.01	< 0.05	15.0	< 1	0.4	306	< 0.05	< 0.05	5.3	0.341	0.32	1.3	82	0.2	13.9
402572	0.15	2.29	1.6	63.5	1000	13.2	49.0	< 0.002	0.01	< 0.05	16.8	< 1	< 0.2	329	0.06	< 0.05	8.9	0.257	0.29	1.9	77	0.1	16.8
402573	0.05	2.30	0.1	58.8	810	13.7	57.5	< 0.002	< 0.01	< 0.05	18.5	< 1	< 0.2	285	< 0.05	< 0.05	7.7	0.203	0.36	2.2	69	0.1	17.4
402574	0.07	2.21	< 0.1	71.9	760	15.0	58.9	< 0.002	0.01	< 0.05	19.6	< 1	< 0.2	286	< 0.05	< 0.05	8.1	0.121	0.37	2.3	53	0.1	19.1
402575	0.06	2.19	0.1	80.4	780	25.8	67.2	< 0.002	< 0.01	< 0.05	21.4	< 1	< 0.2	277	< 0.05	< 0.05	9.2	0.101	0.42	2.7	44	< 0.1	21.7
402576	0.08	2.21	0.1	77.9	890	16.0	79.5	< 0.002	0.04	< 0.05	19.1	< 1	< 0.2	282	< 0.05	< 0.05	10.2	0.123	0.47	3.4	52	< 0.1	19.8
402577	0.07	2.34	< 0.1	54.1	870	15.8	56.8	< 0.002	< 0.01	< 0.05	18.7	< 1	< 0.2	323	< 0.05	< 0.05	9.8	0.124	0.38	2.4	44	< 0.1	18.4
402578	0.07	2.40	< 0.1	38.7	1000	13.6	49.9	< 0.002	< 0.01	< 0.05	14.2	< 1	< 0.2	345	< 0.05	< 0.05	7.3	0.215	0.29	2.1	57	0.1	18.1
402579	0.09	2.22	0.2	65.0	900	13.3	64.4	< 0.002	< 0.01	< 0.05	20.2	< 1	< 0.2	296	< 0.05	< 0.05	8.7	0.146	0.39	2.4	61	0.1	19.7
402580	0.12	0.09	0.2	253	330	22.1	39.8	< 0.002	0.04	< 0.05	54.8	< 1	< 0.2	34.1	< 0.05	< 0.05	14.4	0.110	0.26	3.0	90	0.1	11.7
402581	0.07	2.23	0.5	51.4	800	12.9	52.2	< 0.002	0.01	< 0.05	21.1	< 1	0.3	319	< 0.05	< 0.05	7.2	0.211	0.32	2.1	66	< 0.1	18.0
402582	0.17	2.34	1.6	53.9	930	13.4	37.4	< 0.002	< 0.01	< 0.05	17.2	< 1	0.3	290	< 0.05	< 0.05	5.8	0.314	0.35	1.6	85	0.1	17.2
402583	< 0.05	2.32	0.1	51.8	1000	12.6	51.3	< 0.002	< 0.01	< 0.05	20.0	< 1	< 0.2	333	< 0.05	< 0.05	7.4	0.256	0.32	2.5	79	< 0.1	20.9
402584	0.06	2.16	0.1	67.1	950	12.8	62.3	< 0.002	< 0.01	< 0.05	20.4	< 1	1.6	300	< 0.05	< 0.05	8.0	0.151	0.39	2.5	62	< 0.1	20.8
402585	< 0.05	2.40	0.3	47.0	940	14.8	51.1	< 0.002	< 0.01	< 0.05	19.2	< 1	< 0.2	361	< 0.05	< 0.05	9.5	0.131	0.32	3.1	45	< 0.1	21.6
402586	0.06	2.40	0.2	56.0	980	15.5	61.2	< 0.002	< 0.01	< 0.05	19.1	< 1	< 0.2	320	< 0.05	< 0.05	9.5	0.105	0.38	2.7	41	< 0.1	20.1
402587	0.08	2.44	0.1	38.8	1110	15.8	62.6	< 0.002	< 0.01	< 0.05	15.7	< 1	0.3	331	< 0.05	< 0.05	9.7	0.182	0.38	2.2	48	< 0.1	19.1
402588	0.07	2.49	0.2	32.2	1230	15.0	63.4	< 0.002	< 0.01	< 0.05	15.0	< 1	< 0.2	345	< 0.05	< 0.05	9.4	0.175	0.38	2.5	46	< 0.1	17.9
402589	0.09	2.21	0.2	51.6	820	15.4	65.3	< 0.002	0.01	< 0.05	17.5	< 1	< 0.2	301	< 0.05	< 0.05	15.4	0.157	0.42	2.5	45	< 0.1	17.4
402590	0.06	2.19	< 0.1	50.7	810	14.5	54.2	< 0.002	< 0.01	< 0.05	18.8	< 1	< 0.2	322	< 0.05	< 0.05	10.4	0.149	0.35	2.3	45	< 0.1	18.9
402591	0.06	2.26	0.3	52.7	830	15.5	57.3	< 0.002	< 0.01	< 0.05	17.9	< 1	< 0.2	318	< 0.05	< 0.05	8.5	0.113	0.36	2.1	39	< 0.1	18.1
402592	0.17	2.11	0.6	44.9	790	12.9	40.5	< 0.002	< 0.01	< 0.05	15.1	< 1	0.3	286	< 0.05	< 0.05	5.6	0.297	0.32	1.3	73	< 0.1	14.6
402593	0.08	2.20	< 0.1	44.4	850	15.2	51.1	< 0.002	< 0.01	< 0.05	17.6	< 1	0.2	315	< 0.05	< 0.05	8.4	0.253	0.32	12.1	68	< 0.1	18.4
402594	0.10	2.18	0.1	40.5	690	13.1	44.0	< 0.002	0.01	< 0.05	17.7	< 1	< 0.2	321	< 0.05	< 0.05	6.8	0.137	0.29	1.9	47	0.1	16.3
402595	0.06	2.07	< 0.1	52.9	760	17.5	48.9	< 0.002	< 0.01	< 0.05	19.6	< 1	< 0.2	322	< 0.05	< 0.05	6.6	0.085	0.30	1.9	35	0.1	18.7
402596	< 0.05	2.27	< 0.1	35.4	1060	13.8	52.7	< 0.002	< 0.01	< 0.05	17.7	< 1	< 0.2	349	< 0.05	< 0.05	7.3	0.142	0.30	2.1	43	< 0.1	18.6
402597	0.16	2.09	< 0.1	47.2	930	13.2	54.7	< 0.002	< 0.01	< 0.05	18.6	< 1	< 0.2	331	< 0.05	< 0.05	8.4	0.132	0.33	2.7	41	< 0.1	18.9
402598	0.64	1.98	0.2	56.2	770	12.7	47.9	< 0.002	0.14	< 0.05	17.2	1	0.4	278	< 0.05	< 0.05	6.6	0.192	0.31	2.0	77	< 0.1	12.8
402599	0.07	2.03	0.2	57.1	930	14.5	54.2	< 0.002	< 0.01	< 0.05	17.9	< 1	< 0.2	333	< 0.05	< 0.05	8.6	0.146	0.33	2.4	39	< 0.1	20.0
402600	3.31	2.32	12.5	9.5	250	30.4	132	< 0.002	0.06	1.77	4.8	2	3.8	152	0.25	0.06	11.3	0.135	0.72	4.2	11	2.0	13.8
402601	0.14	2.09	0.1	40.5	870	13.9	49.6	< 0.002	< 0.01	< 0.05	16.4	< 1	< 0.2	335	< 0.05	< 0.05	6.9	0.131	0.31	2.3	38	< 0.1	16.6
402602	0.11	2.14	0.1	42.0	950	15.8	53.9	< 0.002	< 0.01	< 0.05	15.2	< 1	< 0.2	323	< 0.05	< 0.05	9.0	0.201	0.34	2.3	51	< 0.1	17.2
402603	< 0.05	2.06	< 0.1	42.7	740	14.0	47.7	< 0.002	< 0.01	< 0.05	16.8	< 1	< 0.2	325	< 0.05	< 0.05	12.3	0.139	0.31	2.0	41	< 0.1	16.4
402604	< 0.05	2.16	0.2	50.3	890	13.9	46.8	< 0.002	< 0.01	< 0.05	17.6	< 1	< 0.2	319	< 0.05	< 0.05	9.9	0.117	0.32	2.2	39	< 0.1	18.0

Analyte Symbol	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y
Unit Symbol	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.05	0.01	0.1	0.2	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1	1	0.1	0.1
Method Code	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-ICP	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-MS	TD-MS
402605	0.07	2.08	< 0.1	72.9	800	15.1	65.5	< 0.002	< 0.01	< 0.05	18.5	< 1	< 0.2	266	< 0.05	< 0.05	9.6	0.107	0.39	2.5	38	< 0.1	18.4
402606	0.10	2.09	< 0.1	76.2	740	11.0	51.1	< 0.002	< 0.01	< 0.05	20.6	< 1	0.2	293	< 0.05	< 0.05	7.0	0.125	0.31	1.9	42	0.1	17.3
402607	0.10	2.02	0.1	78.1	610	16.4	87.4	< 0.002	< 0.01	< 0.05	17.5	< 1	0.5	232	< 0.05	< 0.05	10.7	0.229	0.49	5.0	63	0.1	16.7
402608	0.79	1.56	1.1	214	570	10.7	47.5	0.003	< 0.01	0.07	24.1	< 1	0.5	250	< 0.05	< 0.05	7.2	0.353	0.33	3.2	96	0.1	16.8
402609	0.08	1.80	< 0.1	141	470	12.5	51.2	< 0.002	< 0.01	< 0.05	20.4	< 1	< 0.2	244	< 0.05	< 0.05	7.6	0.125	0.37	2.0	45	< 0.1	15.1
402610	0.16	2.04	1.7	124	750	11.0	35.7	< 0.002	< 0.01	< 0.05	21.3	< 1	0.3	304	< 0.05	< 0.05	5.5	0.397	0.29	1.7	102	0.1	14.9
402611	< 0.05	1.98	< 0.1	60.2	600	8.0	34.2	< 0.002	< 0.01	< 0.05	25.1	< 1	< 0.2	303	< 0.05	< 0.05	4.1	0.195	0.22	1.5	68	< 0.1	18.3
402612	< 0.05	2.16	< 0.1	58.1	760	14.1	56.4	< 0.002	< 0.01	< 0.05	21.0	< 1	< 0.2	318	< 0.05	< 0.05	10.5	0.178	0.34	2.6	54	< 0.1	19.8
402613	0.05	2.08	< 0.1	48.3	870	13.0	48.3	< 0.002	< 0.01	< 0.05	19.5	< 1	< 0.2	317	< 0.05	< 0.05	7.6	0.115	0.33	1.9	42	< 0.1	20.4
402614	0.08	2.13	0.2	48.4	840	13.1	50.4	< 0.002	< 0.01	< 0.05	18.9	< 1	< 0.2	302	< 0.05	< 0.05	7.1	0.114	0.33	1.9	38	0.1	17.2
402615	0.06	2.15	0.1	51.0	840	13.0	48.6	< 0.002	< 0.01	< 0.05	19.6	< 1	< 0.2	320	< 0.05	< 0.05	7.3	0.131	0.31	2.0	42	< 0.1	17.2
402616	0.08	2.11	0.1	54.4	690	12.3	45.3	< 0.002	0.01	< 0.05	19.6	< 1	0.3	312	< 0.05	< 0.05	6.7	0.166	0.29	13.1	46	< 0.1	16.4
402617	0.12	1.96	0.2	72.2	750	13.7	58.8	< 0.002	< 0.01	0.06	18.9	< 1	0.5	302	< 0.05	0.05	8.2	0.224	0.37	2.3	63	< 0.1	18.1
402618	0.10	2.09	0.5	48.9	840	13.1	55.6	< 0.002	0.01	< 0.05	19.7	< 1	0.3	336	< 0.05	< 0.05	8.0	0.236	0.34	2.3	59	< 0.1	17.5
402619	0.10	2.26	0.4	48.8	870	12.6	48.8	< 0.002	< 0.01	< 0.05	19.4	< 1	0.3	329	< 0.05	< 0.05	7.1	0.251	0.30	1.9	61	< 0.1	16.3
402620	0.61	0.09	2.8	234	340	23.2	32.4	< 0.002	0.04	0.08	44.4	2	0.7	34.6	0.07	< 0.05	12.1	0.560	0.26	2.9	198	< 0.1	9.9
402621	0.09	2.05	< 0.1	53.1	710	12.4	46.5	< 0.002	< 0.01	< 0.05	16.3	< 1	< 0.2	293	< 0.05	< 0.05	7.4	0.226	0.30	1.8	64	< 0.1	14.7
402622	0.05	2.14	0.1	48.0	840	12.8	52.2	< 0.002	< 0.01	< 0.05	16.0	< 1	< 0.2	319	< 0.05	< 0.05	7.2	0.178	0.32	1.8	52	< 0.1	17.1
402623	< 0.05	2.09	< 0.1	58.4	620	12.0	44.0	< 0.002	< 0.01	< 0.05	18.3	< 1	< 0.2	309	< 0.05	< 0.05	6.3	0.092	0.28	1.9	33	< 0.1	15.8
402624	0.07	2.02	0.2	46.9	750	11.7	49.7	< 0.002	< 0.01	< 0.05	17.3	< 1	< 0.2	312	< 0.05	< 0.05	6.8	0.153	0.28	2.0	45	< 0.1	16.2
402625	0.05	2.11	0.2	54.7	800	11.0	40.1	< 0.002	< 0.01	< 0.05	20.1	< 1	0.2	318	< 0.05	< 0.05	6.1	0.185	0.25	2.8	50	< 0.1	16.5
402626	0.07	2.19	0.2	42.8	880	11.6	45.1	< 0.002	< 0.01	0.05	17.4	< 1	0.4	344	< 0.05	< 0.05	6.1	0.228	0.27	1.8	56	< 0.1	17.2
402627	0.22	2.20	1.1	44.7	980	12.4	51.1	< 0.002	< 0.01	0.06	17.2	< 1	1.3	338	< 0.05	< 0.05	7.4	0.288	0.31	1.8	67	< 0.1	15.6
402628	0.11	2.14	1.0	34.2	910	13.9	52.4	< 0.002	< 0.01	0.05	15.3	< 1	0.5	343	< 0.05	< 0.05	8.5	0.247	0.31	2.5	53	< 0.1	16.7
402629	0.39	1.90	6.6	53.7	650	14.5	62.2	< 0.002	< 0.01	0.14	16.8	< 1	0.7	299	0.18	< 0.05	9.4	0.321	0.41	2.5	71	0.2	16.1
402630	0.16	2.24	0.2	47.8	890	13.7	54.1	< 0.002	< 0.01	< 0.05	17.6	< 1	0.4	331	< 0.05	< 0.05	8.2	0.238	0.33	2.1	60	< 0.1	16.8
402631	0.18	2.19	0.7	42.0	830	13.9	41.7	< 0.002	< 0.01	< 0.05	14.1	< 1	0.3	286	< 0.05	< 0.05	5.9	0.300	0.37	1.5	71	< 0.1	13.2
402632	< 0.05	1.97	0.1	50.5	710	11.7	42.7	< 0.002	< 0.01	< 0.05	19.0	< 1	< 0.2	315	< 0.05	< 0.05	7.1	0.170	0.25	2.0	52	< 0.1	17.4
402633	0.05	1.97	< 0.1	49.0	730	12.9	49.7	< 0.002	0.04	< 0.05	18.2	< 1	< 0.2	293	< 0.05	< 0.05	8.0	0.153	0.32	1.8	57	< 0.1	13.4
402634	< 0.05	2.07	< 0.1	59.9	630	12.7	47.9	< 0.002	0.01	< 0.05	19.3	< 1	< 0.2	300	< 0.05	< 0.05	7.0	0.082	0.31	2.1	33	< 0.1	16.9
402635	< 0.05	2.12	0.1	46.8	770	27.8	54.0	< 0.002	< 0.01	< 0.05	17.9	< 1	< 0.2	318	< 0.05	< 0.05	7.4	0.111	0.33	2.1	37	< 0.1	16.8
402636	0.14	2.11	0.2	56.7	810	13.8	55.5	< 0.002	0.01	< 0.05	19.8	< 1	0.5	310	< 0.05	< 0.05	7.9	0.175	0.35	2.2	50	< 0.1	17.5
402637	0.18	1.98	0.4	46.4	710	12.6	48.2	< 0.002	< 0.01	< 0.05	18.4	< 1	0.4	318	< 0.05	< 0.05	7.2	0.186	0.31	2.0	49	< 0.1	17.4
402638	0.17	2.10	0.5	48.9	740	13.3	48.9	< 0.002	< 0.01	0.08	17.1	< 1	0.7	309	< 0.05	< 0.05	7.7	0.229	0.31	2.8	53	< 0.1	17.4
402639	0.17	2.03	1.3	67.1	710	15.5	65.0	< 0.002	< 0.01	0.08	18.2	< 1	0.6	247	< 0.05	< 0.05	9.5	0.260	0.42	2.8	66	< 0.1	17.4
402640	0.10	2.00	< 0.1	66.0	630	15.6	69.7	< 0.002	< 0.01	< 0.05	16.9	< 1	0.8	236	< 0.05	< 0.05	11.4	0.142	0.44	3.5	50	< 0.1	17.2
402641	0.07	1.99	< 0.1	89.7	950	33.8	39.5	< 0.002	< 0.01	< 0.05	21.3	< 1	1.1	386	< 0.05	< 0.05	4.7	0.150	0.25	1.6	57	< 0.1	18.7
402642	0.09	2.01	0.2	64.4	470	13.0	45.1	< 0.002	0.02	< 0.05	18.8	< 1	0.7	306	< 0.05	< 0.05	7.2	0.115	0.29	1.9	35	< 0.1	16.7
402643	0.09	2.11	0.2	62.8	710	14.5	49.2	< 0.002	0.02	< 0.05	19.0	< 1	0.9	288	< 0.05	< 0.05	8.4	0.138	0.37	2.1	42	< 0.1	18.0
402644	0.14	2.05	0.2	51.1	340	12.8	48.1	< 0.002	0.02	< 0.05	18.7	< 1	0.9	309	< 0.05	< 0.05	7.0	0.178	0.29	1.7	44	< 0.1	14.5
402645	0.75	1.80	1.6	76.9	610	13.5	57.8	< 0.002	0.01	0.05	19.3	< 1	1.3	306	< 0.05	< 0.05	9.0	0.275	0.37	2.3	62	0.4	19.4
402646	0.17	2.06	0.6	60.2	840	13.2	50.5	< 0.002	0.01	< 0.05	18.2	< 1	1.1	304	< 0.05	< 0.05	7.8	0.243	0.33	2.1	59	< 0.1	17.5

Analyte Symbol	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y
Unit Symbol	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.05	0.01	0.1	0.2	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1	1	0.1	0.1
Method Code	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-ICP	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-MS	TD-MS
402647	0.30	2.05	0.3	41.8	990	13.4	51.8	< 0.002	< 0.01	< 0.05	17.4	< 1	1.2	313	< 0.05	< 0.05	8.1	0.271	0.32	2.1	60	< 0.1	17.8
402648	0.20	2.25	0.3	42.1	980	13.2	37.6	< 0.002	< 0.01	< 0.05	14.5	< 1	0.9	298	< 0.05	< 0.05	6.2	0.280	0.30	3.0	68	< 0.1	14.9
402649	0.09	2.13	< 0.1	35.2	920	13.2	46.1	< 0.002	< 0.01	< 0.05	15.6	< 1	0.9	324	< 0.05	< 0.05	8.2	0.309	0.28	2.1	66	< 0.1	16.1
402650	< 0.05	2.11	0.1	42.4	950	14.1	50.4	< 0.002	< 0.01	< 0.05	17.8	< 1	0.7	345	< 0.05	< 0.05	9.1	0.118	0.32	2.2	36	< 0.1	19.1
402651	0.07	2.11	0.3	51.0	830	16.0	70.3	< 0.002	< 0.01	< 0.05	17.4	< 1	0.8	298	< 0.05	< 0.05	12.4	0.156	0.43	2.8	46	< 0.1	19.6
402652	0.07	2.12	0.2	44.9	1040	13.5	51.3	< 0.002	< 0.01	< 0.05	18.9	< 1	1.1	333	< 0.05	< 0.05	9.5	0.169	0.33	2.4	48	< 0.1	19.9
402653	0.08	2.14	0.6	43.3	810	14.0	53.5	< 0.002	< 0.01	< 0.05	18.1	< 1	1.1	310	< 0.05	< 0.05	8.9	0.215	0.34	2.0	54	< 0.1	17.5
402654	0.11	2.09	1.2	42.9	780	13.4	53.1	< 0.002	< 0.01	0.06	19.3	< 1	1.4	323	< 0.05	< 0.05	8.7	0.273	0.32	2.6	63	< 0.1	18.9
402655	0.22	2.32	3.1	36.0	1050	12.8	47.7	< 0.002	< 0.01	0.08	16.9	< 1	1.7	342	< 0.05	< 0.05	7.7	0.411	0.28	2.1	83	< 0.1	17.5
402656	0.24	2.29	4.7	40.0	1080	12.3	46.0	< 0.002	< 0.01	0.13	19.4	< 1	1.8	350	< 0.05	< 0.05	7.4	0.457	0.28	2.2	97	< 0.1	19.9
402657	0.23	2.23	3.9	41.4	980	13.1	47.3	< 0.002	< 0.01	0.14	17.6	< 1	1.8	325	< 0.05	< 0.05	6.3	0.390	0.27	2.1	87	< 0.1	17.9
402658	0.21	2.03	0.7	51.0	860	12.1	46.3	< 0.002	< 0.01	0.07	19.3	< 1	1.4	301	< 0.05	< 0.05	7.9	0.302	0.29	2.3	71	< 0.1	18.1
402659	0.18	2.04	0.4	44.2	800	11.9	42.4	< 0.002	< 0.01	< 0.05	17.7	< 1	0.9	303	< 0.05	< 0.05	6.7	0.255	0.27	2.1	62	< 0.1	16.9
402660	0.12	2.40	1.2	19.8	230	8.0	40.5	< 0.002	< 0.01	< 0.05	7.1	< 1	1.0	377	< 0.05	< 0.05	2.8	0.209	0.23	0.5	44	< 0.1	7.7
402661	< 0.05	2.06	< 0.1	41.1	470	11.7	44.6	< 0.002	0.01	< 0.05	17.4	< 1	0.7	306	< 0.05	< 0.05	6.2	0.077	0.28	1.8	28	< 0.1	16.3
402662	< 0.05	2.17	< 0.1	49.8	820	11.9	43.1	< 0.002	< 0.01	< 0.05	20.1	< 1	0.7	326	< 0.05	< 0.05	7.1	0.099	0.28	2.1	34	< 0.1	18.6
402663	0.07	1.93	0.1	45.2	790	13.0	50.8	< 0.002	0.02	< 0.05	15.5	< 1	0.9	298	< 0.05	< 0.05	8.9	0.135	0.32	1.9	41	< 0.1	15.1
402664	0.07	2.03	0.2	56.2	740	13.4	51.0	< 0.002	< 0.01	< 0.05	18.5	< 1	1.2	297	< 0.05	< 0.05	9.3	0.216	0.32	2.3	53	< 0.1	17.8
402665	0.15	1.94	0.6	47.0	690	12.9	47.2	< 0.002	0.01	0.05	17.5	< 1	1.4	278	< 0.05	< 0.05	7.2	0.241	0.31	2.1	57	< 0.1	14.8
402666	0.22	1.98	0.9	50.5	700	14.1	54.6	< 0.002	0.01	0.10	17.1	< 1	1.8	268	< 0.05	< 0.05	9.7	0.318	0.33	2.4	72	< 0.1	17.0
402667	0.24	1.76	2.5	66.2	600	12.8	65.4	< 0.002	0.01	0.31	23.7	< 1	1.5	256	< 0.05	< 0.05	6.3	0.355	0.47	1.6	106	< 0.1	16.6
402668	0.15	2.03	0.7	52.4	890	14.2	59.3	< 0.002	< 0.01	0.05	16.5	< 1	1.4	291	< 0.05	< 0.05	8.8	0.258	0.37	2.7	66	< 0.1	17.6
402669	0.14	1.96	1.1	51.1	870	14.2	54.6	< 0.002	< 0.01	0.06	17.2	< 1	1.4	301	< 0.05	< 0.05	11.6	0.311	0.35	2.5	70	< 0.1	17.9
402670	0.11	2.01	0.2	47.7	810	13.4	41.9	< 0.002	0.01	< 0.05	13.4	< 1	0.8	273	< 0.05	< 0.05	6.9	0.255	0.32	1.8	67	< 0.1	13.8
402671	< 0.05	2.19	0.1	51.9	920	13.1	51.6	< 0.002	< 0.01	< 0.05	18.5	< 1	0.8	309	< 0.05	< 0.05	6.9	0.171	0.34	2.4	55	< 0.1	17.2
402672	0.07	2.00	0.3	70.3	910	17.0	89.6	< 0.002	< 0.01	< 0.05	18.5	< 1	0.9	279	< 0.05	< 0.05	11.7	0.132	0.54	2.4	50	< 0.1	19.6
402673	0.05	2.12	0.1	103	780	15.0	74.2	< 0.002	0.01	< 0.05	17.7	< 1	0.9	258	< 0.05	0.10	10.1	0.137	0.49	2.4	48	< 0.1	17.2
402674	0.07	2.17	0.2	59.3	1140	14.2	58.0	< 0.002	< 0.01	< 0.05	16.3	< 1	1.0	324	< 0.05	< 0.05	8.2	0.179	0.38	2.0	49	< 0.1	18.9
402675	0.18	2.03	0.5	95.8	540	8.5	33.6	< 0.002	< 0.01	0.14	26.2	< 1	1.7	297	< 0.05	< 0.05	3.3	0.299	0.24	1.1	87	< 0.1	17.4
402676	0.08	2.17	0.1	64.2	740	11.7	44.1	< 0.002	< 0.01	0.06	18.9	< 1	1.5	316	< 0.05	< 0.05	6.2	0.232	0.28	1.8	64	< 0.1	17.5
402677	0.42	2.12	1.6	111	1020	12.3	53.0	< 0.002	< 0.01	0.14	18.4	< 1	2.1	307	< 0.05	< 0.05	8.0	0.496	0.34	2.4	114	< 0.1	18.9
402678	0.24	2.14	0.9	80.4	790	14.0	68.0	< 0.002	< 0.01	< 0.05	16.4	< 1	1.3	254	< 0.05	< 0.05	9.0	0.309	0.43	2.7	82	< 0.1	17.0
402679	0.11	1.89	< 0.1	164	690	12.9	55.0	< 0.002	< 0.01	< 0.05	19.9	< 1	< 0.2	266	< 0.05	< 0.05	9.7	0.116	0.38	3.4	45	< 0.1	16.7
402680	0.09	2.36	< 0.1	20.8	210	8.1	43.0	< 0.002	< 0.01	< 0.05	6.4	< 1	< 0.2	405	< 0.05	< 0.05	1.2	0.120	0.25	0.5	27	< 0.1	7.1
402681	0.08	2.09	< 0.1	125	830	12.4	49.2	< 0.002	< 0.01	< 0.05	18.6	< 1	0.4	308	< 0.05	< 0.05	7.3	0.161	0.32	2.0	51	< 0.1	17.3
402682	0.14	2.05	0.2	183	870	13.0	64.1	< 0.002	< 0.01	0.07	20.0	< 1	0.9	279	< 0.05	< 0.05	8.2	0.218	0.45	2.0	67	< 0.1	18.4
402683	0.13	2.20	0.2	66.3	1050	15.9	70.4	< 0.002	< 0.01	< 0.05	16.4	< 1	0.4	296	< 0.05	0.08	9.8	0.203	0.42	2.4	58	< 0.1	19.6
402684	0.36	1.91	0.5	197	720	15.3	67.3	< 0.002	0.02	0.07	20.7	< 1	0.8	245	< 0.05	< 0.05	8.7	0.327	0.46	2.8	94	< 0.1	19.9
402685	0.77	1.65	1.9	280	690	12.7	49.8	< 0.002	0.01	0.10	22.9	< 1	0.8	217	< 0.05	< 0.05	7.3	0.429	0.38	1.9	128	< 0.1	18.7
402686	0.23	1.62	0.3	321	520	10.1	44.2	< 0.002	0.01	< 0.05	20.9	< 1	0.3	208	< 0.05	< 0.05	4.8	0.351	0.34	1.3	105	< 0.1	15.4
402687	0.11	1.71	< 0.1	236	630	10.5	45.6	< 0.002	< 0.01	< 0.05	20.2	< 1	< 0.2	227	< 0.05	< 0.05	5.7	0.256	0.34	1.6	90	< 0.1	15.7
402688	< 0.05	1.81	< 0.1	113	630	14.1	65.3	< 0.002	< 0.01	< 0.05	18.6	< 1	< 0.2	264	< 0.05	< 0.05	8.6	0.093	0.41	2.5	38	< 0.1	17.9

Analyte Symbol	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y
Unit Symbol	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.05	0.01	0.1	0.2	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1	1	0.1	0.1
Method Code	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-ICP	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-MS	TD-MS
402689	< 0.05	2.02	< 0.1	91.0	580	12.7	53.5	< 0.002	< 0.01	< 0.05	18.7	< 1	< 0.2	277	< 0.05	< 0.05	7.2	0.144	0.34	2.1	43	< 0.1	17.9
402690	0.21	1.62	0.3	289	620	12.0	51.3	0.003	< 0.01	0.06	22.4	< 1	< 0.2	226	< 0.05	< 0.05	4.1	0.264	0.39	1.2	84	< 0.1	16.6
402691	0.18	2.15	0.3	320	700	14.8	89.6	< 0.002	0.09	< 0.05	17.7	< 1	< 0.2	267	< 0.05	0.10	9.2	0.244	0.44	2.4	85	< 0.1	18.7
402692	0.75	1.90	6.7	215	710	13.3	50.2	< 0.002	< 0.01	0.15	24.0	< 1	1.0	259	0.09	< 0.05	5.4	0.535	0.34	1.4	142	0.1	16.8
402693	0.58	2.21	4.1	79.4	1340	16.2	75.9	< 0.002	0.01	0.09	15.7	< 1	1.1	284	< 0.05	< 0.05	12.2	0.499	0.46	2.8	112	< 0.1	20.5
402694	0.35	2.25	5.7	50.2	1150	15.1	65.3	< 0.002	< 0.01	0.14	15.7	< 1	1.0	316	< 0.05	< 0.05	11.4	0.453	0.42	2.9	95	< 0.1	18.3
402695	0.74	1.93	1.1	151	780	12.2	59.7	< 0.002	< 0.01	0.06	17.0	< 1	0.7	231	< 0.05	< 0.05	7.6	0.422	0.41	2.3	114	< 0.1	15.9
402696	0.27	2.18	1.8	61.6	850	15.0	64.3	< 0.002	0.01	0.06	15.7	< 1	0.6	273	< 0.05	< 0.05	9.8	0.338	0.40	3.0	84	< 0.1	17.7
402697	0.13	2.23	1.2	67.6	920	15.6	50.6	< 0.002	< 0.01	< 0.05	14.8	< 1	0.2	257	< 0.05	< 0.05	7.7	0.287	0.46	1.6	79	< 0.1	15.8
402698	0.09	2.20	< 0.1	51.3	930	15.6	70.4	< 0.002	< 0.01	< 0.05	14.7	< 1	< 0.2	275	< 0.05	< 0.05	10.0	0.259	0.43	2.6	69	< 0.1	18.7
402699	< 0.05	2.15	0.1	37.6	730	14.8	67.1	< 0.002	< 0.01	< 0.05	15.6	< 1	< 0.2	307	< 0.05	< 0.05	9.7	0.119	0.42	2.3	40	< 0.1	19.0
402700	< 0.05	2.22	0.1	36.3	830	14.7	64.2	< 0.002	< 0.01	< 0.05	15.1	< 1	< 0.2	311	< 0.05	< 0.05	9.1	0.165	0.39	2.4	44	< 0.1	19.3
402701	0.17	2.27	0.3	45.2	1070	17.8	72.2	< 0.002	< 0.01	< 0.05	16.9	< 1	0.6	272	< 0.05	< 0.05	11.4	0.281	0.43	2.5	65	< 0.1	21.2
402702	0.10	2.27	0.4	38.2	1090	13.7	59.5	< 0.002	< 0.01	< 0.05	15.5	< 1	0.4	310	< 0.05	< 0.05	9.8	0.284	0.37	2.2	67	< 0.1	19.0
402703	0.24	2.24	2.6	42.9	1120	14.2	58.5	< 0.002	< 0.01	0.07	15.7	< 1	0.9	297	< 0.05	< 0.05	9.7	0.432	0.36	2.5	90	< 0.1	19.1
402704	0.32	2.27	2.0	37.0	1240	14.3	59.4	< 0.002	0.01	< 0.05	15.8	< 1	0.8	317	< 0.05	< 0.05	9.5	0.439	0.37	2.3	94	< 0.1	19.7
402705	0.23	2.32	3.8	32.3	1140	13.8	50.1	< 0.002	< 0.01	0.06	15.4	< 1	0.9	327	< 0.05	< 0.05	7.7	0.476	0.30	2.2	93	< 0.1	18.3
402706	0.27	2.20	3.1	33.6	1040	15.4	46.6	< 0.002	< 0.01	0.09	16.2	< 1	0.8	318	< 0.05	< 0.05	7.3	0.418	0.28	2.1	89	< 0.1	20.0
402707	0.19	2.30	1.3	39.3	1030	13.7	56.2	< 0.002	< 0.01	< 0.05	15.1	< 1	0.6	305	< 0.05	< 0.05	8.4	0.341	0.35	2.2	72	< 0.1	19.2
402708	0.10	2.03	< 0.1	34.5	800	13.5	51.2	< 0.002	< 0.01	< 0.05	15.6	< 1	0.5	313	< 0.05	< 0.05	8.3	0.123	0.32	2.0	35	0.2	19.4
402709	0.11	2.05	0.2	46.5	1090	15.4	63.7	< 0.002	< 0.01	< 0.05	16.3	< 1	0.6	278	< 0.05	< 0.05	9.9	0.168	0.40	2.4	48	0.2	20.2
402710	0.17	2.08	0.3	41.9	1160	14.4	49.9	< 0.002	< 0.01	< 0.05	15.7	< 1	1.0	289	< 0.05	< 0.05	9.4	0.283	0.31	2.4	66	0.3	19.8
402711	0.18	2.08	0.1	45.3	890	12.3	48.2	< 0.002	0.01	< 0.05	17.8	< 1	0.9	289	< 0.05	< 0.05	8.3	0.178	0.30	2.5	54	0.2	18.6
402712	0.14	2.14	0.3	43.0	1040	13.7	54.6	< 0.002	< 0.01	0.05	17.9	< 1	1.2	309	< 0.05	< 0.05	8.4	0.258	0.33	2.4	64	0.2	22.1
402713	0.18	2.11	0.7	38.5	810	12.7	51.3	< 0.002	< 0.01	< 0.05	17.7	< 1	1.1	306	< 0.05	< 0.05	7.0	0.260	0.32	1.9	58	0.1	20.0
402714	0.17	2.08	0.5	40.9	1090	14.0	58.2	< 0.002	< 0.01	< 0.05	16.2	< 1	1.2	291	< 0.05	< 0.05	9.3	0.258	0.36	2.2	61	0.1	20.1
402715	0.23	2.20	2.0	44.9	1030	14.0	56.0	< 0.002	< 0.01	< 0.05	16.2	< 1	1.1	301	< 0.05	< 0.05	9.0	0.365	0.36	2.1	80	0.1	21.1
402716	0.17	2.20	0.5	41.3	1090	13.4	50.6	< 0.002	< 0.01	< 0.05	16.7	< 1	0.8	334	< 0.05	< 0.05	9.1	0.261	0.32	2.8	66	0.1	18.7
402717	0.06	2.02	< 0.1	41.3	890	11.8	42.3	< 0.002	< 0.01	< 0.05	18.5	< 1	0.4	364	< 0.05	< 0.05	6.2	0.147	0.25	1.7	51	0.1	19.5
402718	< 0.05	1.98	< 0.1	44.5	700	10.6	36.2	< 0.002	< 0.01	< 0.05	19.7	< 1	0.7	335	< 0.05	< 0.05	6.7	0.103	0.23	1.7	38	< 0.1	18.5
402719	0.09	2.01	0.1	38.9	850	13.8	54.2	< 0.002	< 0.01	< 0.05	16.5	< 1	0.6	312	< 0.05	< 0.05	9.8	0.149	0.34	2.1	42	0.2	19.4
402720	0.09	2.45	< 0.1	20.6	260	8.2	42.8	< 0.002	< 0.01	< 0.05	7.7	< 1	0.7	409	< 0.05	< 0.05	2.3	0.227	0.24	0.6	46	0.1	8.1
402721	0.22	2.00	0.2	35.9	1080	13.3	55.1	< 0.002	< 0.01	< 0.05	15.3	< 1	1.3	328	< 0.05	< 0.05	8.7	0.256	0.33	2.3	57	0.2	20.0
402722	0.38	2.12	2.5	38.4	1130	14.5	61.2	< 0.002	< 0.01	0.10	15.6	< 1	1.6	303	< 0.05	< 0.05	15.7	0.380	0.37	2.2	77	0.1	18.8
402723	0.80	2.19	11.7	47.6	1200	16.3	71.5	< 0.002	< 0.01	0.12	15.2	< 1	1.9	308	0.08	0.06	10.8	0.500	0.45	2.2	99	0.2	19.2
402724	0.54	2.14	10.4	42.6	1260	14.5	55.9	< 0.002	< 0.01	0.12	15.3	< 1	1.8	313	0.08	< 0.05	9.3	0.561	0.37	2.1	106	0.1	20.1
402725	0.41	2.07	5.0	49.5	1200	15.8	70.0	< 0.002	< 0.01	0.17	17.0	< 1	1.8	323	< 0.05	< 0.05	10.8	0.420	0.42	2.6	87	0.1	20.5
402726	0.27	2.19	1.9	41.9	1180	15.2	60.2	< 0.002	< 0.01	0.07	15.7	< 1	1.4	306	< 0.05	< 0.05	9.7	0.365	0.37	2.2	80	< 0.1	19.8
402727	0.22	2.07	0.5	51.3	1070	15.6	56.7	< 0.002	< 0.01	< 0.05	16.6	< 1	0.8	316	< 0.05	< 0.05	9.5	0.286	0.41	1.9	71	0.2	18.7
402728	0.08	2.21	0.1	38.7	1110	13.4	45.9	< 0.002	< 0.01	< 0.05	17.5	< 1	0.6	359	< 0.05	< 0.05	8.0	0.200	0.30	2.0	52	0.1	18.7
402729	0.08	2.20	0.2	44.4	1030	15.5	63.3	< 0.002	< 0.01	< 0.05	17.4	< 1	0.8	316	< 0.05	< 0.05	11.2	0.192	0.40	2.7	53	0.1	21.3
402730	0.09	2.29	0.3	40.6	1110	14.0	54.2	< 0.002	< 0.01	< 0.05	16.8	< 1	1.2	351	< 0.05	< 0.05	8.3	0.251	0.32	2.0	59	0.1	18.7

Analyte Symbol	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y
Unit Symbol	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.05	0.01	0.1	0.2	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1	1	0.1	0.1
Method Code	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-ICP	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-MS	TD-MS
402731	0.31	2.27	0.8	36.3	1280	13.2	51.9	< 0.002	< 0.01	0.05	15.9	< 1	1.4	315	< 0.05	< 0.05	8.2	0.330	0.32	2.2	64	< 0.1	20.7
402732	0.17	2.27	0.9	39.4	1220	14.9	53.7	< 0.002	< 0.01	0.08	16.4	< 1	1.6	338	< 0.05	< 0.05	9.5	0.356	0.35	2.4	71	< 0.1	19.5
402733	0.28	2.13	4.8	39.8	900	13.0	53.7	< 0.002	0.01	0.13	16.3	< 1	1.7	340	< 0.05	< 0.05	7.4	0.431	0.31	1.9	94	< 0.1	15.9
402734	0.43	2.28	15.6	36.0	1080	12.5	48.2	< 0.002	< 0.01	0.17	16.6	< 1	2.0	382	0.33	< 0.05	6.6	0.571	0.28	2.2	113	0.2	17.1
402735	0.40	2.06	7.1	35.1	1140	12.9	51.9	< 0.002	< 0.01	0.11	14.9	< 1	1.8	347	< 0.05	< 0.05	7.6	0.520	0.30	2.6	95	0.1	18.9
402736	0.23	2.02	2.1	42.2	990	16.9	65.8	< 0.002	< 0.01	0.11	15.8	< 1	1.8	318	< 0.05	< 0.05	20.1	0.342	0.41	3.4	71	< 0.1	19.4
402737	0.11	2.10	0.1	44.5	760	14.4	54.9	< 0.002	< 0.01	< 0.05	16.3	< 1	1.1	329	< 0.05	< 0.05	9.9	0.244	0.34	2.6	61	0.1	18.2
402738	0.14	1.98	0.5	51.2	1120	15.5	56.6	< 0.002	< 0.01	< 0.05	16.9	< 1	0.8	316	< 0.05	< 0.05	11.5	0.276	0.36	2.2	63	0.1	20.5
402739	0.07	2.03	0.2	48.9	990	14.7	62.9	< 0.002	< 0.01	< 0.05	16.8	< 1	0.6	330	< 0.05	< 0.05	9.3	0.176	0.37	2.3	53	< 0.1	19.1
402740	0.05	0.13	< 0.1	53.5	320	25.3	61.1	< 0.002	0.04	< 0.05	15.6	< 1	1.0	51.9	< 0.05	< 0.05	15.4	0.111	0.34	3.2	44	< 0.1	15.4
402741	0.06	1.94	0.1	52.1	750	13.4	55.5	< 0.002	< 0.01	< 0.05	18.5	< 1	0.9	350	< 0.05	< 0.05	8.3	0.155	0.35	2.4	45	< 0.1	18.6
402742	0.17	1.97	0.5	51.1	970	12.1	51.7	< 0.002	< 0.01	0.08	18.2	< 1	1.4	350	< 0.05	< 0.05	7.7	0.281	0.30	2.2	70	< 0.1	19.3
402743	0.35	2.15	2.0	49.9	830	14.6	57.5	< 0.002	< 0.01	0.11	16.8	< 1	1.9	300	< 0.05	< 0.05	9.2	0.440	0.36	2.6	98	< 0.1	17.9
402744	0.30	2.17	0.6	41.8	840	12.7	50.9	< 0.002	0.01	0.07	17.0	< 1	1.4	340	< 0.05	< 0.05	7.0	0.300	0.31	2.0	69	< 0.1	15.8
402745	0.15	2.23	0.2	30.0	1020	14.3	61.9	< 0.002	< 0.01	< 0.05	14.6	< 1	1.1	367	< 0.05	< 0.05	8.0	0.265	0.35	2.4	58	< 0.1	16.0
402746	0.70	2.11	3.8	49.7	890	11.4	48.3	< 0.002	< 0.01	0.10	18.5	< 1	1.5	344	< 0.05	< 0.05	6.7	0.398	0.27	2.0	92	< 0.1	18.3
402747	0.10	2.18	< 0.1	40.0	850	14.0	49.1	< 0.002	< 0.01	< 0.05	16.3	< 1	0.9	336	< 0.05	< 0.05	7.6	0.155	0.31	2.6	42	< 0.1	18.3
402748	0.08	2.07	0.2	31.9	840	14.0	52.4	< 0.002	< 0.01	< 0.05	13.6	< 1	0.8	324	< 0.05	< 0.05	6.9	0.169	0.33	1.9	43	< 0.1	16.3
402749	0.08	2.07	0.2	31.9	920	13.0	52.9	< 0.002	< 0.01	< 0.05	14.2	< 1	2.1	331	< 0.05	< 0.05	8.6	0.229	0.31	3.0	53	< 0.1	17.0
402750	0.07	2.18	0.1	33.6	780	14.5	57.7	< 0.002	< 0.01	< 0.05	13.9	< 1	1.1	324	< 0.05	< 0.05	7.5	0.178	0.36	2.1	46	< 0.1	16.3
402751	0.06	2.20	0.1	32.1	870	14.7	58.4	< 0.002	< 0.01	< 0.05	13.7	< 1	1.1	334	< 0.05	< 0.05	11.7	0.188	0.35	2.1	45	< 0.1	17.4
402752	0.13	2.26	0.2	32.9	970	15.4	60.1	< 0.002	< 0.01	< 0.05	14.3	< 1	1.3	352	< 0.05	< 0.05	8.8	0.252	0.34	2.5	57	< 0.1	17.5
402753	0.10	2.33	0.2	40.8	1100	14.2	61.6	< 0.002	< 0.01	< 0.05	15.5	< 1	1.1	338	< 0.05	< 0.05	8.6	0.213	0.36	2.4	54	< 0.1	19.7
402754	0.12	2.30	0.2	46.4	1030	12.1	49.2	< 0.002	0.01	< 0.05	18.2	< 1	1.2	333	< 0.05	< 0.05	8.2	0.248	0.29	3.5	67	< 0.1	20.5
402755	0.23	1.65	0.9	65.0	740	6.7	21.8	< 0.002	0.02	0.07	27.3	1	0.9	288	< 0.05	0.06	3.4	0.387	0.13	1.1	131	< 0.1	17.2
402756	0.19	2.22	1.1	44.4	1070	12.6	33.9	< 0.002	< 0.01	< 0.05	16.5	< 1	0.8	333	< 0.05	< 0.05	5.7	0.282	0.26	1.5	78	0.2	17.3
402757	0.06	2.25	< 0.1	47.7	1100	12.4	35.4	< 0.002	< 0.01	< 0.05	20.6	< 1	1.0	349	< 0.05	< 0.05	6.3	0.154	0.21	1.9	56	< 0.1	21.5
402758	< 0.05	2.31	< 0.1	36.6	1070	15.6	49.0	< 0.002	< 0.01	< 0.05	16.6	< 1	1.2	328	< 0.05	< 0.05	9.1	0.159	0.29	2.6	46	< 0.1	21.1
402759	0.06	2.30	0.3	36.7	1480	22.6	46.4	< 0.002	< 0.01	< 0.05	17.1	< 1	1.2	332	< 0.05	< 0.05	10.9	0.268	0.27	2.2	67	< 0.1	22.1
402760	0.11	2.18	0.6	38.2	1310	25.9	48.2	< 0.002	< 0.01	0.07	17.5	< 1	1.6	333	< 0.05	< 0.05	10.0	0.334	0.28	2.4	72	< 0.1	22.7
402761	0.20	2.07	1.1	75.3	820	13.3	62.6	< 0.002	< 0.01	0.09	19.0	< 1	1.5	279	< 0.05	< 0.05	9.2	0.322	0.38	2.5	89	< 0.1	18.9
402762	0.25	2.16	2.0	59.1	780	15.7	81.1	< 0.002	0.01	0.06	16.3	< 1	1.6	256	< 0.05	< 0.05	10.2	0.362	0.47	2.9	94	< 0.1	17.9
402763	0.26	1.92	4.2	56.8	770	15.1	72.8	< 0.002	< 0.01	0.10	18.0	< 1	1.7	299	< 0.05	< 0.05	10.1	0.397	0.43	2.5	88	< 0.1	18.2
402764	0.18	2.18	0.5	54.6	790	13.7	57.9	< 0.002	< 0.01	0.05	17.7	< 1	1.2	299	< 0.05	< 0.05	8.2	0.269	0.36	3.4	68	0.1	19.1
402765	0.20	2.20	0.8	56.8	890	11.4	46.5	< 0.002	< 0.01	0.06	19.3	< 1	1.3	319	< 0.05	< 0.05	6.2	0.346	0.27	1.9	81	< 0.1	19.4
402766	0.13	2.19	0.8	52.5	740	10.3	29.1	< 0.002	< 0.01	< 0.05	17.3	< 1	0.8	284	< 0.05	< 0.05	4.7	0.278	0.26	1.4	77	< 0.1	16.1
402767	0.08	2.08	< 0.1	60.8	850	14.9	63.1	< 0.002	0.01	< 0.05	18.1	< 1	0.7	297	< 0.05	< 0.05	9.7	0.208	0.38	3.0	66	< 0.1	20.7
402768	< 0.05	1.93	< 0.1	64.7	630	11.1	45.8	< 0.002	< 0.01	< 0.05	22.2	< 1	0.8	310	< 0.05	< 0.05	6.5	0.128	0.27	1.7	36	< 0.1	20.3
402769	0.05	1.94	< 0.1	84.9	660	8.5	29.3	< 0.002	< 0.01	< 0.05	23.8	< 1	0.8	298	< 0.05	0.06	4.9	0.175	0.18	1.3	58	< 0.1	19.6
402770	0.07	2.10	0.1	70.8	850	10.7	38.7	< 0.002	< 0.01	0.06	22.6	< 1	1.2	325	< 0.05	< 0.05	6.2	0.242	0.24	2.1	68	< 0.1	21.3
402771	0.10	1.73	0.3	70.8	710	15.1	71.7	< 0.002	< 0.01	< 0.05	18.7	< 1	1.3	273	< 0.05	< 0.05	10.0	0.195	0.44	2.8	54	< 0.1	20.0
402772	0.29	1.91	2.9	66.1	720	13.6	64.8	< 0.002	< 0.01	0.12	18.4	< 1	1.8	267	< 0.05	< 0.05	10.0	0.362	0.40	2.5	89	< 0.1	18.3

Analyte Symbol	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y
Unit Symbol	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.05	0.01	0.1	0.2	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1	1	0.1	0.1
Method Code	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-ICP	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-MS	TD-MS
402773	0.41	2.27	5.3	66.8	780	15.2	58.5	< 0.002	0.02	0.15	20.4	< 1	2.3	306	< 0.05	< 0.05	9.3	0.495	0.39	2.3	125	0.1	19.8
402774	0.54	0.97	6.0	62.7	400	14.8	68.4	< 0.002	< 0.01	0.12	19.1	< 1	1.8	283	< 0.05	< 0.05	9.4	0.245	0.42	2.4	58	< 0.1	18.7
402775	0.13	2.14	0.6	56.8	880	14.6	65.4	< 0.002	< 0.01	0.08	18.2	< 1	1.5	293	< 0.05	< 0.05	9.2	0.289	0.39	2.2	77	< 0.1	17.9
402776	0.14	2.08	1.1	69.9	820	10.3	35.6	< 0.002	< 0.01	0.14	22.4	< 1	1.5	296	< 0.05	< 0.05	5.5	0.366	0.22	1.3	90	< 0.1	18.0
402777	< 0.05	2.19	0.6	63.8	810	11.8	38.5	< 0.002	< 0.01	< 0.05	19.1	< 1	0.7	289	< 0.05	< 0.05	6.0	0.234	0.28	1.5	69	< 0.1	16.4
402778	< 0.05	2.14	< 0.1	51.8	760	11.2	29.7	< 0.002	< 0.01	< 0.05	21.4	< 1	0.7	344	< 0.05	< 0.05	5.0	0.139	0.17	1.4	43	< 0.1	19.4
402779	< 0.05	2.19	0.2	64.0	740	12.7	37.8	< 0.002	< 0.01	< 0.05	20.8	< 1	1.5	306	< 0.05	< 0.05	6.1	0.117	0.23	1.7	40	< 0.1	18.4
402780	0.10	2.42	< 0.1	19.7	210	7.6	41.8	< 0.002	< 0.01	< 0.05	6.8	< 1	1.0	396	< 0.05	< 0.05	0.9	0.088	0.24	0.4	16	< 0.1	6.9
402781	0.10	2.06	0.2	47.1	860	14.1	55.1	< 0.002	< 0.01	< 0.05	16.8	< 1	1.2	308	< 0.05	< 0.05	8.3	0.226	0.34	2.4	55	< 0.1	18.3
402782	0.18	2.08	0.6	87.1	930	12.1	43.9	< 0.002	< 0.01	0.13	22.1	< 1	1.6	292	< 0.05	< 0.05	9.9	0.288	0.28	2.2	78	< 0.1	18.8
402783	0.15	1.96	0.3	75.1	700	10.3	34.6	< 0.002	< 0.01	0.18	20.9	< 1	1.6	283	< 0.05	< 0.05	5.2	0.361	0.20	1.5	94	< 0.1	16.9
402784	0.19	2.01	1.0	85.2	800	9.6	32.5	< 0.002	< 0.01	0.16	22.6	< 1	1.5	290	< 0.05	< 0.05	5.1	0.391	0.19	1.4	96	< 0.1	18.4
402785	0.29	1.85	1.2	82.7	660	9.7	31.8	< 0.002	< 0.01	0.17	25.2	< 1	1.5	284	< 0.05	< 0.05	4.7	0.366	0.20	1.3	92	0.1	19.2
402786	0.08	2.19	< 0.1	77.6	870	9.3	32.6	< 0.002	< 0.01	< 0.05	23.8	< 1	0.4	315	< 0.05	< 0.05	5.0	0.115	0.19	1.4	49	< 0.1	19.6
402787	0.06	2.19	< 0.1	56.7	860	9.0	26.7	< 0.002	< 0.01	< 0.05	24.8	< 1	0.7	331	< 0.05	< 0.05	4.5	0.141	0.16	1.3	47	< 0.1	19.3
402788	0.07	2.11	0.1	69.0	840	10.9	39.1	< 0.002	< 0.01	< 0.05	20.9	< 1	0.5	294	< 0.05	< 0.05	7.4	0.193	0.24	1.9	57	< 0.1	18.6
402789	0.05	2.24	0.2	53.4	850	11.9	39.0	< 0.002	< 0.01	< 0.05	20.6	< 1	0.6	312	< 0.05	< 0.05	7.3	0.183	0.25	3.3	51	< 0.1	19.3
402790	0.06	2.21	0.2	52.9	860	11.0	40.0	< 0.002	< 0.01	< 0.05	19.9	< 1	0.6	312	< 0.05	< 0.05	6.6	0.240	0.25	1.7	58	< 0.1	17.6
402791	0.23	2.25	0.9	63.3	970	14.9	68.6	< 0.002	< 0.01	0.06	18.0	< 1	1.1	291	< 0.05	< 0.05	10.8	0.341	0.41	2.4	82	< 0.1	19.0
402792	0.24	2.18	0.9	60.7	1000	12.9	50.7	< 0.002	< 0.01	0.08	18.1	< 1	0.9	288	< 0.05	< 0.05	8.0	0.299	0.30	2.4	72	< 0.1	18.7
402793	0.26	2.28	0.3	46.9	1020	13.6	63.2	< 0.002	0.01	0.08	16.1	< 1	1.3	285	< 0.05	< 0.05	8.8	0.360	0.38	2.2	87	< 0.1	17.8
402794	0.12	2.13	0.7	77.5	810	11.5	29.6	< 0.002	< 0.01	< 0.05	18.1	< 1	0.5	275	< 0.05	< 0.05	4.9	0.307	0.27	1.3	83	< 0.1	15.8
402795	0.07	1.98	0.1	130	860	9.7	37.2	< 0.002	< 0.01	< 0.05	22.5	< 1	0.6	269	< 0.05	< 0.05	6.7	0.130	0.23	1.7	59	< 0.1	18.5
402796	< 0.05	2.20	0.2	43.6	890	11.7	43.3	< 0.002	< 0.01	< 0.05	21.9	< 1	0.4	278	< 0.05	< 0.05	6.9	0.127	0.27	1.9	52	< 0.1	20.9
402797	< 0.05	2.16	0.2	48.2	800	14.1	32.2	< 0.002	< 0.01	< 0.05	21.3	< 1	0.4	288	< 0.05	< 0.05	6.0	0.122	0.20	2.8	40	< 0.1	21.1
402798	< 0.05	2.36	0.2	31.8	1170	14.3	47.9	< 0.002	< 0.01	< 0.05	14.3	< 1	0.6	339	< 0.05	0.07	7.5	0.186	0.32	12.5	50	< 0.1	15.9
402799	0.05	2.28	0.1	45.6	880	10.0	24.6	< 0.002	< 0.01	0.09	24.8	< 1	0.8	316	< 0.05	< 0.05	4.2	0.217	0.15	1.4	60	< 0.1	22.7
402800	3.44	2.22	17.7	9.6	240	27.6	138	< 0.002	0.06	1.94	4.6	2	4.3	135	0.48	< 0.05	9.2	0.138	0.72	3.5	11	2.6	12.2
402801	0.73	2.14	7.3	51.3	1020	9.9	29.8	< 0.002	< 0.01	0.24	22.2	< 1	1.5	281	0.07	< 0.05	4.5	0.607	0.18	1.5	140	0.1	21.2
402802	0.12	2.10	1.0	65.0	690	11.0	41.8	< 0.002	< 0.01	< 0.05	16.9	< 1	1.2	320	< 0.05	< 0.05	5.8	0.300	0.25	1.3	74	< 0.1	15.0
402803	0.15	2.02	0.5	75.4	620	10.6	39.9	< 0.002	< 0.01	< 0.05	19.8	< 1	1.0	317	< 0.05	< 0.05	6.2	0.313	0.25	1.4	78	< 0.1	18.2
402804	0.10	2.11	1.0	58.7	780	10.8	32.2	< 0.002	< 0.01	< 0.05	18.2	< 1	0.8	325	< 0.05	< 0.05	5.0	0.317	0.24	1.3	85	< 0.1	14.9
402805	< 0.05	1.95	0.1	61.5	570	10.6	40.4	< 0.002	< 0.01	< 0.05	22.4	< 1	0.3	288	< 0.05	< 0.05	6.5	0.140	0.25	1.3	63	< 0.1	17.1

Analyte Symbol	Zn	Zr	Au
Unit Symbol	ppm	ppm	g/mt
Lower Limit	2	0.5	0.005
Method Code	TD-ICP	TD-MS	FA-AA
402563	100	72.9	< 0.005
402564	85	61.7	< 0.005
402565	91	88.2	< 0.005
402566	83	180	< 0.005
402567	93	145	< 0.005
402568	97	138	0.017
402569	100	114	0.047
402570	96	146	0.030
402571	70	217	< 0.005
402572	67	174	0.031
402573	78	142	0.007
402574	94	104	0.027
402575	104	125	0.029
402576	99	129	0.069
402577	73	145	< 0.005
402578	62	17.3	< 0.005
402579	97	129	0.009
402580	47	49.0	0.025
402581	75	51.8	0.010
402582	76	200	< 0.005
402583	72	118	0.010
402584	90	133	0.008
402585	67	39.2	< 0.005
402586	79	71.4	< 0.005
402587	77	172	< 0.005
402588	70	157	< 0.005
402589	89	153	< 0.005
402590	82	154	< 0.005
402591	84	141	< 0.005
402592	64	190	< 0.005
402593	101	177	< 0.005
402594	61	157	< 0.005
402595	78	107	< 0.005
402596	80	67.3	< 0.005
402597	75	131	0.009
402598	68	93.9	0.064
402599	66	177	< 0.005
402600	145	263	0.393
402601	60	134	< 0.005
402602	57	157	0.009
402603	56	59.3	< 0.005
402604	65	72.3	< 0.005

Analyte Symbol	Zn	Zr	Au
Unit Symbol	ppm	ppm	g/mt
Lower Limit	2	0.5	0.005
Method Code	TD-ICP	TD-MS	FA-AA
402605	87	112	< 0.005
402606	76	105	< 0.005
402607	97	98.0	< 0.005
402608	85	118	< 0.005
402609	84	80.7	0.006
402610	77	163	< 0.005
402611	68	108	0.007
402612	74	9.8	< 0.005
402613	69	106	0.008
402614	70	116	< 0.005
402615	69	142	< 0.005
402616	63	140	< 0.005
402617	81	142	< 0.005
402618	71	172	< 0.005
402619	66	175	0.049
402620	42	164	0.026
402621	66	155	< 0.005
402622	68	95.9	0.006
402623	63	109	< 0.005
402624	62	142	< 0.005
402625	56	141	< 0.005
402626	53	159	< 0.005
402627	61	159	< 0.005
402628	55	194	< 0.005
402629	71	178	< 0.005
402630	68	155	< 0.005
402631	73	192	< 0.005
402632	59	86.7	0.006
402633	58	119	< 0.005
402634	68	98.8	0.009
402635	102	117	0.018
402636	88	145	0.009
402637	71	138	0.047
402638	68	154	0.008
402639	84	167	0.007
402640	88	111	0.005
402641	132	91.3	0.931
402642	77	123	0.011
402643	88	140	0.007
402644	94	134	0.009
402645	92	202	0.025
402646	79	168	0.007

Analyte Symbol	Zn	Zr	Au
Unit Symbol	ppm	ppm	g/mt
Lower Limit	2	0.5	0.005
Method Code	TD-ICP	TD-MS	FA-AA
402647	66	178	0.006
402648	59	197	0.005
402649	53	26.4	0.005
402650	61	57.1	0.006
402651	82	107	< 0.005
402652	74	141	< 0.005
402653	71	175	< 0.005
402654	70	187	< 0.005
402655	58	216	0.006
402656	64	200	0.008
402657	72	165	0.011
402658	67	157	< 0.005
402659	69	161	0.008
402660	19	73.8	< 0.005
402661	65	88.8	< 0.005
402662	61	85.3	< 0.005
402663	64	116	< 0.005
402664	66	147	< 0.005
402665	64	150	0.062
402666	76	193	< 0.005
402667	94	99.7	0.059
402668	80	155	< 0.005
402669	72	159	< 0.005
402670	68	184	< 0.005
402671	82	133	0.005
402672	120	99.4	< 0.005
402673	100	110	< 0.005
402674	72	147	0.006
402675	75	75.6	0.009
402676	69	121	0.005
402677	75	170	< 0.005
402678	100	140	< 0.005
402679	81	98.7	< 0.005
402680	21	45.8	< 0.005
402681	70	79.2	< 0.005
402682	88	94.7	0.008
402683	91	150	< 0.005
402684	120	114	0.005
402685	129	137	0.012
402686	84	112	< 0.005
402687	86	120	< 0.005
402688	91	97.0	< 0.005

Analyte Symbol	Zn	Zr	Au
Unit Symbol	ppm	ppm	g/mt
Lower Limit	2	0.5	0.005
Method Code	TD-ICP	TD-MS	FA-AA
402689	85	88.0	< 0.005
402690	109	86.0	0.048
402691	95	150	< 0.005
402692	97	134	0.010
402693	100	199	< 0.005
402694	88	198	< 0.005
402695	98	128	0.007
402696	92	160	< 0.005
402697	108	183	0.013
402698	89	167	< 0.005
402699	93	65.7	0.006
402700	90	150	< 0.005
402701	95	166	< 0.005
402702	88	187	0.012
402703	80	186	< 0.005
402704	87	202	0.397
402705	72	218	0.011
402706	73	178	0.007
402707	81	178	< 0.005
402708	68	77.0	0.006
402709	97	94.6	< 0.005
402710	76	175	0.007
402711	76	124	< 0.005
402712	89	163	0.007
402713	84	142	0.007
402714	76	171	< 0.005
402715	92	197	< 0.005
402716	73	168	0.009
402717	71	112	0.009
402718	65	75.1	0.011
402719	79	138	< 0.005
402720	20	100	< 0.005
402721	69	168	0.005
402722	73	170	< 0.005
402723	94	207	< 0.005
402724	83	221	0.005
402725	83	203	< 0.005
402726	77	182	0.005
402727	82	186	0.006
402728	59	123	0.011
402729	86	173	0.006
402730	67	162	0.009

Analyte Symbol	Zn	Zr	Au
Unit Symbol	ppm	ppm	g/mt
Lower Limit	2	0.5	0.005
Method Code	TD-ICP	TD-MS	FA-AA
402731	70	184	< 0.005
402732	64	203	< 0.005
402733	62	183	< 0.005
402734	56	229	< 0.005
402735	55	189	0.008
402736	73	181	< 0.005
402737	69	157	< 0.005
402738	70	200	< 0.005
402739	74	131	0.009
402740	47	69.6	< 0.005
402741	70	151	0.010
402742	71	155	0.012
402743	77	160	0.012
402744	62	155	0.009
402745	57	189	0.007
402746	65	183	0.032
402747	61	119	0.008
402748	55	119	< 0.005
402749	57	176	0.006
402750	65	134	< 0.005
402751	66	151	0.007
402752	64	203	0.009
402753	75	177	0.010
402754	88	111	0.008
402755	82	102	0.010
402756	82	171	0.007
402757	82	86.4	0.008
402758	97	41.8	0.373
402759	111	151	0.006
402760	101	192	0.010
402761	108	126	0.009
402762	113	158	0.006
402763	82	167	0.006
402764	90	153	0.034
402765	78	173	0.015
402766	80	157	0.005
402767	100	150	0.016
402768	82	108	0.015
402769	80	74.0	0.011
402770	87	110	0.005
402771	94	131	0.007
402772	100	142	0.005

Analyte Symbol	Zn	Zr	Au
Unit Symbol	ppm	ppm	g/mt
Lower Limit	2	0.5	0.005
Method Code	TD-ICP	TD-MS	FA-AA
402773	97	181	0.011
402774	52	160	0.010
402775	99	145	0.006
402776	84	117	0.012
402777	91	147	0.011
402778	74	104	0.006
402779	103	90.3	0.005
402780	20	38.3	0.006
402781	88	150	0.006
402782	114	133	0.014
402783	102	109	0.006
402784	90	114	0.011
402785	84	110	0.012
402786	86	105	0.007
402787	72	93.5	0.010
402788	90	120	0.009
402789	90	132	0.006
402790	81	137	0.005
402791	107	156	0.006
402792	94	152	0.012
402793	119	144	0.007
402794	89	178	0.011
402795	111	92.0	0.006
402796	125	57.5	0.006
402797	114	121	0.008
402798	77	42.0	0.009
402799	103	107	0.008
402800	142	288	0.396
402801	121	135	0.026
402802	53	176	0.010
402803	51	202	0.007
402804	50	216	0.007
402805	52	116	0.008

Analyte Symbol	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn
Unit Symbol	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5
Method Code	TD-MS	TD-ICP	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-ICP
GXR-1 Meas	31.3	2.15	442	610	1.15	1410	0.82	2.88	15.5	8.0	17	3.08	1190	20.9	8.36		0.3	0.772	0.04	8.0	7.8	0.20	853
GXR-1 Cert	31.0	3.52	427	750	1.22	1380	0.960	3.30	17.0	8.20	12.0	3.00	1110	23.6	13.8		0.960	0.770	0.050	7.50	8.20	0.217	852
GXR-1 Meas	31.3	2.37	426	680	0.95	1450	0.89	2.68	15.8	8.1	15	2.98	1200	23.9	11.3		0.3	0.799	0.05	7.9	7.5	0.22	1010
GXR-1 Cert	31.0	3.52	427	750	1.22	1380	0.960	3.30	17.0	8.20	12.0	3.00	1110	23.6	13.8		0.960	0.770	0.050	7.50	8.20	0.217	852
DH-1a Meas																							
DH-1a Cert																							
DH-1a Meas																							
DH-1a Cert																							
GXR-4 Meas	3.31	5.89	104	120	2.08	18.2	0.93	0.23	110	13.3	55	2.63	6320	2.55	17.1		1.3	0.211	1.96	55.4	10.0	1.50	145
GXR-4 Cert	4.00	7.20	98.0	1640	1.90	19.0	1.01	0.860	102	14.6	64.0	2.80	6520	3.09	20.0		6.30	0.270	4.01	64.5	11.1	1.66	155
GXR-4 Meas	3.27	6.92	102	200	2.13	18.7	1.08	0.17	109	13.6	43	2.55	6290	3.07	17.7		1.4	0.214	4.68	53.9	10.8	1.77	168
GXR-4 Cert	4.00	7.20	98.0	1640	1.90	19.0	1.01	0.860	102	14.6	64.0	2.80	6520	3.09	20.0		6.30	0.270	4.01	64.5	11.1	1.66	155
SDC-1 Meas		8.00	< 0.2	580	2.97		1.00		83.7	17.9	36	3.95	29.7	4.33	20.8		0.5		1.99	39.2	37.1	0.95	838
SDC-1 Cert		8.34	0.220	630	3.00		1.00		93.00	18.0	64.00	4.00	30.000	4.82	21.00		8.30		2.72	42.00	34.0	1.02	880.00
SDC-1 Meas		8.51	< 0.2	630	2.89		1.08		86.9	18.3	34	3.78	31.0	4.56	23.3		0.9		2.28	38.5	35.2	1.01	836
SDC-1 Cert		8.34	0.220	630	3.00		1.00		93.00	18.0	64.00	4.00	30.000	4.82	21.00		8.30		2.72	42.00	34.0	1.02	880.00
GXR-6 Meas	0.17	12.0	333	1190	1.27	0.17	0.17	0.08	34.3	14.5	58	4.31	68.6	4.75	26.0		2.8	0.068	1.72	12.8	34.9	0.55	952
GXR-6 Cert	1.30	17.7	330	1300	1.40	0.290	0.180	1.00	36.0	13.8	96.0	4.20	66.0	5.58	35.0		4.30	0.260	1.87	13.9	32.0	0.609	1010
GXR-6 Meas	0.17	14.3	307	1400	1.19	0.16	0.19	0.11	33.6	13.9	62	4.02	69.6	5.57	31.7		2.7	0.063	2.04	12.1	36.8	0.64	1110
GXR-6 Cert	1.30	17.7	330	1300	1.40	0.290	0.180	1.00	36.0	13.8	96.0	4.20	66.0	5.58	35.0		4.30	0.260	1.87	13.9	32.0	0.609	1010
DNC-1a Meas				90						58.4	114		99.6		13.7					3.6	4.4		
DNC-1a Cert				118						57	270		100		15					3.6	5.2		
DNC-1a Meas				100						54.7	131		87.4		13.1					3.4	4.5		
DNC-1a Cert				118						57	270		100		15					3.6	5.2		
SBC-1 Meas			27.1	570	3.39	0.64		0.40	108	22.2	96	8.33	33.4		23.6		3.6			49.0	152		
SBC-1 Cert			25.7	788.0	3.20	0.70		0.40	108.0	22.7	109	8.2	31.0000		27.0		3.7			52.5	163		
SBC-1 Meas			24.4	740	3.38	0.67		0.43	106	22.3	93	7.79	33.8		26.6		3.5			47.6	160		
SBC-1 Cert			25.7	788.0	3.20	0.70		0.40	108.0	22.7	109	8.2	31.0000		27.0		3.7			52.5	163		
OREAS 45d (4-Acid) Meas		7.81	9.2	170	0.85	0.31	0.19		36.5	30.3	479	3.79	359	12.8	21.8		3.1	0.084	0.43	17.3	19.6	0.23	476
OREAS 45d (4-Acid) Cert		8.150	13.8	183.0	0.79	0.31	0.185		37.20	29.50	549	3.910	371	14.5	21.20		3.830	0.096	0.412	16.9	21.5	0.245	490.000
OREAS 45d (4-Acid) Meas		8.68	4.1	190	0.76	0.31	0.20		35.3	30.4	564	3.73	349	14.2	22.6		1.2	0.090	0.47	16.5	20.2	0.26	541
OREAS 45d (4-Acid) Cert		8.150	13.8	183.0	0.79	0.31	0.185		37.20	29.50	549	3.910	371	14.5	21.20		3.830	0.096	0.412	16.9	21.5	0.245	490.000
SdAR-M2 (U.S.G.S.) Meas				910	6.63	1.05		5.56	97.7	12.9	32	1.89	239		13.1		4.0			43.8	16.7		
SdAR-M2 (U.S.G.S.) Cert				990	6.6	1.05		5.1	98.8	12.4	49.6	1.82	236.0000		17.6		7.29			46.6	17.9		
SdAR-M2 (U.S.G.S.) Meas				1050	6.93	1.02		5.36	102	13.5	43	1.77	236		17.4		3.9			45.1	17.7		

Analyte Symbol	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn
Unit Symbol	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5
Method Code	TD-MS	TD-ICP	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-ICP
SdAR-M2 (U.S.G.S.) Cert				990	6.6	1.05		5.1	98.8	12.4	49.6	1.82	236.0000		17.6		7.29			46.6	17.9		
OREAS 223 (Fire Assay) Meas																							
OREAS 223 (Fire Assay) Cert																							
OREAS 223 (Fire Assay) Meas																							
OREAS 223 (Fire Assay) Cert																							
OREAS 223 (Fire Assay) Meas																							
OREAS 223 (Fire Assay) Cert																							
OREAS 223 (Fire Assay) Meas																							
OREAS 223 (Fire Assay) Cert																							
OREAS 223 (Fire Assay) Meas																							
OREAS 223 (Fire Assay) Cert																							
OREAS 223 (Fire Assay) Meas																							
OREAS 223 (Fire Assay) Cert																							
OREAS 223 (Fire Assay) Meas																							
OREAS 223 (Fire Assay) Cert																							
OREAS 223 (Fire Assay) Meas																							
OREAS 223 (Fire Assay) Cert																							
OREAS 218 Meas																							
OREAS 218 Cert																							
OREAS 218 Meas																							
OREAS 218 Cert																							
OREAS 218 Meas																							
OREAS 218 Cert																							
OREAS 218 Meas																							
OREAS 218 Cert																							
OREAS 218 Meas																							
OREAS 218 Cert																							
OREAS 218 Meas																							
OREAS 218 Cert																							

Analyte Symbol	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn
Unit Symbol	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5
Method Code	TD-MS	TD-ICP	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-ICP
OREAS 218 Meas																							
OREAS 218 Cert																							
OREAS 218 Meas																							
OREAS 218 Cert																							
402563 Orig	< 0.01	5.70	3.3	180	1.02	0.09	1.52	0.18	33.7	93.6	1150	3.45	115	7.99	18.3	0.16	1.7	0.060	0.61	16.2	21.6	6.85	1650
402563 Dup	< 0.01	5.73	1.9	180	0.98	0.09	1.53	0.15	34.3	92.6	1110	3.38	112	8.03	17.8	0.21	1.8	0.058	0.61	16.4	22.3	6.89	1660
402569 Orig																							
402569 Dup																							
402579 Orig																							
402579 Dup																							
402601 Orig	< 0.01	6.90	< 0.2	440	1.35	0.07	2.45	0.08	73.0	16.4	136	1.24	27.8	3.74	18.0	< 0.05	3.7	0.051	1.48	31.7	17.5	1.27	660
402601 Dup	< 0.01	6.35	< 0.2	390	1.46	0.07	2.18	0.10	70.0	16.8	81	1.27	29.4	3.34	18.1	< 0.05	2.2	0.060	1.30	30.9	17.6	1.12	592
402603 Orig	< 0.01	6.32	< 0.2	470	1.70	0.06	2.21	0.08	70.9	16.6	89	1.17	68.1	3.32	17.4	< 0.05	0.2	0.053	1.26	32.1	17.6	1.12	605
402603 Dup	< 0.01	7.00	< 0.2	550	1.42	0.06	2.46	0.09	64.3	16.0	105	1.19	19.0	3.79	16.7	< 0.05	1.7	0.051	1.55	28.5	17.0	1.29	657
402605 Orig																							
402605 Dup																							
402615 Orig																							
402615 Dup																							
402639 Orig	< 0.01	7.58	< 0.2	520	1.78	0.08	2.04	0.17	75.0	22.1	141	1.92	44.8	4.72	19.3	< 0.05	4.4	0.052	1.89	35.1	25.3	1.74	599
402639 Dup	< 0.01	7.09	< 0.2	470	1.78	0.09	1.89	0.18	75.6	22.3	128	1.96	42.6	4.33	19.6	< 0.05	3.9	0.052	1.75	35.6	25.2	1.59	563
402641 Orig																							
402641 Dup																							
402644 Orig	< 0.01	6.90	< 0.2	390	1.60	0.08	2.43	0.10	54.1	25.1	79	1.42	113	4.25	19.4	0.11	3.0	0.056	1.35	23.8	20.1	1.45	652
402644 Dup	< 0.01	7.54	< 0.2	430	1.53	0.08	2.58	0.07	56.1	25.7	98	1.44	110	4.58	19.1	0.16	3.5	0.053	1.46	24.3	20.8	1.60	699
402651 Orig																							
402651 Dup																							
402675 Orig	< 0.01	7.83	5.4	290	0.88	0.10	4.24	0.09	40.8	33.4	125	0.72	63.0	6.14	18.2	0.06	1.6	0.055	1.11	19.2	12.2	2.87	1010
402675 Dup	< 0.01	7.69	6.4	280	1.01	0.10	4.10	0.06	42.4	33.9	120	0.75	59.3	6.01	18.6	0.22	2.3	0.056	1.03	19.3	12.2	2.77	1010
402677 Orig																							
402677 Dup																							
402685 Orig	< 0.01	6.96	7.9	380	1.41	0.14	2.97	0.26	60.5	48.4	325	1.79	190	6.89	16.5	0.10	3.5	0.070	1.33	30.1	19.7	3.51	1010
402685 Dup	< 0.01	6.91	9.6	370	1.37	0.13	2.97	0.27	56.1	44.3	326	1.82	193	6.72	16.4	0.13	3.4	0.058	1.31	28.6	19.5	3.53	1010
402687 Orig	< 0.01	6.96	4.2	370	1.15	0.09	3.38	0.08	53.1	36.0	490	1.58	56.9	5.82	15.8	< 0.05	3.4	0.048	1.37	26.1	19.4	3.89	957
402687 Dup	< 0.01	6.63	3.2	350	1.33	0.08	3.24	0.09	52.1	35.6	434	1.64	56.9	5.61	15.4	< 0.05	2.5	0.051	1.33	25.9	19.1	3.68	905
402713 Orig																							
402713 Dup																							
402714 Orig	< 0.01	7.03	< 0.2	480	1.63	0.07	2.29	0.10	92.2	20.2	90	1.63	34.8	4.55	18.7	< 0.05	4.7	0.058	1.65	43.1	20.2	1.44	804
402714 Dup	< 0.01	7.06	< 0.2	470	1.53	0.07	2.27	0.08	89.7	20.9	88	1.62	42.1	4.55	18.8	< 0.05	3.4	0.061	1.66	41.7	19.5	1.43	801
402723 Orig																							
402723 Dup																							
402739 Orig	< 0.01	6.78	3.2	460	1.64	0.09	2.27	0.12	90.1	23.5	90	1.68	43.1	4.04	20.8	< 0.05	1.8	0.057	1.59	40.1	21.7	1.40	769
402739 Dup	< 0.01	6.95	2.5	470	1.51	0.08	2.28	0.11	91.9	23.2	99	1.75	43.2	4.16	19.5	< 0.05	3.4	0.057	1.67	42.0	22.1	1.43	768

Analyte Symbol	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn
Unit Symbol	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5
Method Code	TD-MS	TD-ICP	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-ICP
402749 Orig																							
402749 Dup																							
402757 Orig	< 0.01	7.81	1.6	410	1.24	0.15	3.35	0.13	76.0	27.6	110	0.81	55.6	5.49	18.7	< 0.05	2.7	0.066	1.29	33.9	13.3	1.87	982
402757 Dup	< 0.01	7.60	< 0.2	390	1.28	0.16	3.29	0.14	74.7	27.6	110	0.81	62.5	5.39	18.5	< 0.05	0.4	0.062	1.26	33.7	12.8	1.80	958
402759 Orig																							
402759 Dup																							
402777 Orig	< 0.01	7.30	1.2	430	1.42	0.08	2.49	0.11	46.9	22.4	174	1.08	42.7	5.06	20.9	< 0.05	3.8	0.063	1.46	21.1	19.0	1.84	895
402777 Dup	< 0.01	8.05	0.3	450	1.40	0.09	2.50	0.14	64.9	23.1	121	1.22	42.6	5.12	20.2	< 0.05	3.2	0.058	1.52	29.9	19.4	1.89	870
402785 Orig																							
402785 Dup																							
402792 Orig	< 0.01	7.51	< 0.2	480	1.61	0.10	2.45	0.13	72.1	21.5	124	1.33	45.3	4.66	19.0	0.12	4.0	0.044	1.58	32.2	18.6	1.77	708
402792 Dup	< 0.01	7.90	0.7	490	1.47	0.11	2.49	0.12	77.6	21.7	129	1.39	45.6	4.89	18.9	0.09	3.6	0.042	1.65	35.0	19.3	1.81	713
402795 Orig																							
402795 Dup																							
402804 Orig	< 0.01	6.94	< 0.2	420	1.34	0.05	2.86	0.09	59.5	19.9	160	0.86	52.4	3.81	17.5	0.17	5.3	0.043	1.37	26.3	13.7	1.60	617
402804 Dup	< 0.01	6.39	< 0.2	410	1.29	0.04	2.81	0.07	45.6	19.3	167	0.75	49.6	3.74	16.5	< 0.05	5.4	0.036	1.38	19.9	13.8	1.54	621
Method Blank	0.01	0.11	< 0.2	< 10	0.08	< 0.01	< 0.01	< 0.02	0.01	< 0.1		< 0.05	< 0.2	< 0.01	0.20	< 0.05	< 0.1	< 0.005	< 0.01	< 0.5	< 0.2	< 0.01	
Method Blank	< 0.01	< 0.01	< 0.2	< 10	< 0.05	< 0.01	< 0.01	< 0.02	< 0.01	< 0.1		< 0.05	< 0.2	< 0.01	0.19	< 0.05	< 0.1	< 0.005	< 0.01	< 0.5	< 0.2	< 0.01	
Method Blank	< 0.01	< 0.01	< 0.2	< 10	< 0.05	< 0.01	< 0.01	< 0.02	< 0.01	< 0.1		< 0.05	< 0.2	< 0.01	0.22	< 0.05	< 0.1	< 0.005	< 0.01	< 0.5	< 0.2	< 0.01	
Method Blank	< 0.01	0.03	< 0.2	< 10	< 0.05	< 0.01	< 0.01	< 0.02	0.02	< 0.1		< 0.05	< 0.2	0.01	0.21	< 0.05	< 0.1	< 0.005	< 0.01	< 0.5	< 0.2	< 0.01	
Method Blank	< 0.01	< 0.01	< 0.2	< 10	0.05	< 0.01	< 0.01	< 0.02	< 0.01	< 0.1		< 0.05	0.2	< 0.01	0.10	< 0.05	< 0.1	< 0.005	< 0.01	< 0.5	< 0.2	< 0.01	
Method Blank	< 0.01	0.03	< 0.2	< 10	< 0.05	< 0.01	< 0.01	< 0.02	0.01	< 0.1		< 0.05	< 0.2	< 0.01	0.19	< 0.05	< 0.1	< 0.005	< 0.01	< 0.5	0.3	< 0.01	
Method Blank	< 0.01	< 0.01	< 0.2	< 10	< 0.05	< 0.01	< 0.01	< 0.02	< 0.01	< 0.1		< 0.05	0.2	< 0.01	0.12	< 0.05	< 0.1	< 0.005	< 0.01	< 0.5	< 0.2	< 0.01	
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																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							

Analyte Symbol	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y
Unit Symbol	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.05	0.01	0.1	0.2	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1	1	0.1	0.1
Method Code	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-ICP	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-MS	TD-MS
GXR-1 Meas	18.7	0.04	0.6	40.7	530	789	2.8		0.23	43.9	1.3	17	28.3	298	< 0.05	10.9	2.4	0.025	0.40	33.6	80	142	28.1
GXR-1 Cert	18.0	0.0520	0.800	41.0	650	730	14.0		0.257	122	1.58	16.6	54.0	275	0.175	13.0	2.44	0.036	0.390	34.9	80.0	164	32.0
GXR-1 Meas	19.7	0.05	0.7	42.7	580	803	2.8		0.25	38.5	1.4	15	29.0	315	< 0.05	9.84	2.9	0.026	0.39	35.4	86	148	28.7
GXR-1 Cert	18.0	0.0520	0.800	41.0	650	730	14.0		0.257	122	1.58	16.6	54.0	275	0.175	13.0	2.44	0.036	0.390	34.9	80.0	164	32.0
DH-1a Meas																	896			2550			
DH-1a Cert																	910			2629			
DH-1a Meas																	845			2340			
DH-1a Cert																	910			2629			
GXR-4 Meas	331	0.43	9.8	38.5	1130	46.0	143		1.60	4.77	6.8	6	6.9	215	0.50	0.90	18.7	0.263	3.28	6.3	78	33.3	12.8
GXR-4 Cert	310	0.564	10.0	42.0	1200	52.0	160		1.77	4.80	7.70	5.60	5.60	221	0.790	0.970	22.5	0.29	3.20	6.20	87.0	30.8	14.0
GXR-4 Meas	337	0.52	11.1	40.2	1310	50.3	118		1.88	4.69	6.5	6	7.4	216	0.65	0.89	20.1	0.290	3.27	6.3	91	36.9	12.3
GXR-4 Cert	310	0.564	10.0	42.0	1200	52.0	160		1.77	4.80	7.70	5.60	5.60	221	0.790	0.970	22.5	0.29	3.20	6.20	87.0	30.8	14.0
SDC-1 Meas		1.38	< 0.1	35.5	490	26.0	124			< 0.05	15.6		0.6	172	< 0.05		12.0	0.146	0.63	5.3	37	< 0.1	
SDC-1 Cert		1.52	21.00	38.0	690	25.00	127.00			0.54	17.00		3.00	180.00	1.20		12.00	0.606	0.70	3.10	102.00	0.80	
SDC-1 Meas		1.48	< 0.1	34.9	490	24.4	132			0.06	15.4		0.9	171	< 0.05		11.3	0.073	0.62	3.0	30	0.4	
SDC-1 Cert		1.52	21.00	38.0	690	25.00	127.00			0.54	17.00		3.00	180.00	1.20		12.00	0.606	0.70	3.10	102.00	0.80	
GXR-6 Meas	1.57	0.08	2.8	26.1	310	101	83.1		0.01	1.00	26.6	1	1.1	44.5	0.06	< 0.05	5.1		2.18	1.5	155	0.2	12.4
GXR-6 Cert	2.40	0.104	7.50	27.0	350	101	90.0		0.0160	3.60	27.6	0.940	1.70	35.0	0.485	0.0180	5.30		2.20	1.54	186	1.90	14.0
GXR-6 Meas	1.67	0.10	2.1	26.3	360	97.7	79.8		0.02	0.48	26.7	1	2.2	43.4	< 0.05	< 0.05	5.0		2.18	1.5	175	0.2	12.0
GXR-6 Cert	2.40	0.104	7.50	27.0	350	101	90.0		0.0160	3.60	27.6	0.940	1.70	35.0	0.485	0.0180	5.30		2.20	1.54	186	1.90	14.0
DNC-1a Meas			2.4	274		6.7	3.4			0.78	31.2			146				0.271			130		15.3
DNC-1a Cert			3	247		6.3	5			0.96	31			144				0.29			148		18.0
DNC-1a Meas			1.7	256		6.0	3.1			0.76	29.4			138				0.290			138		14.2
DNC-1a Cert			3	247		6.3	5			0.96	31			144				0.29			148		18.0
SBC-1 Meas	2.57		16.9	84.9		35.8	140			1.06	18.9		3.3	183	0.89		15.1	0.501	0.90	6.0	203	1.4	29.5
SBC-1 Cert	2.40		15.3	82.8		35.0	147			1.01	20.0		3.3	178.0	1.10		15.8	0.51	0.89	5.76	220.0	1.60	36.5
SBC-1 Meas	2.48		17.6	87.3		35.1	140			1.01	19.9		3.7	178	1.06		15.0	0.518	0.89	6.0	215	1.6	28.6
SBC-1 Cert	2.40		15.3	82.8		35.0	147			1.01	20.0		3.3	178.0	1.10		15.8	0.51	0.89	5.76	220.0	1.60	36.5
OREAS 45d (4-Acid) Meas	1.08	0.09	1.0	229	300	21.6	37.9		0.04	< 0.05	47.8		0.8	30.5	< 0.05		14.0	0.170	0.26	2.9	98	0.2	10.5
OREAS 45d (4-Acid) Cert	2.500	0.101	14.50	231.0	420.000	21.8	42.1		0.049	0.82	49.30		2.78	31.30	1.02		14.5	0.773	0.27	2.63	235.0	1.62	9.53
OREAS 45d (4-Acid) Meas	0.31	0.10	0.2	241	370	21.5	37.6		0.05	< 0.05	51.3		1.1	31.5	< 0.05		13.9	0.499	0.26	3.0	180	0.1	10.8
OREAS 45d (4-Acid) Cert	2.500	0.101	14.50	231.0	420.000	21.8	42.1		0.049	0.82	49.30		2.78	31.30	1.02		14.5	0.773	0.27	2.63	235.0	1.62	9.53
SdAR-M2 (U.S.G.S.) Meas	12.9		9.2	50.9		839	171				3.9			149	0.21		13.8			2.5	23	0.5	24.5
SdAR-M2 (U.S.G.S.) Cert	13.3		26.2	48.8		808	149				4.1			144	1.8		14.2			2.53	25.2	2.8	32.7
SdAR-M2 (U.S.G.S.) Meas	11.3		2.2	52.5		833	157				4.2			150	< 0.05		14.1			2.6	27	0.1	24.8
SdAR-M2 (U.S.G.S.) Cert	13.3		26.2	48.8		808	149				4.1			144	1.8		14.2			2.53	25.2	2.8	32.7

Analyte Symbol	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y
Unit Symbol	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.05	0.01	0.1	0.2	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1	1	0.1	0.1
Method Code	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-ICP	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-MS	TD-MS
OREAS 223 (Fire Assay) Meas																							
OREAS 223 (Fire Assay) Cert																							
OREAS 223 (Fire Assay) Meas																							
OREAS 223 (Fire Assay) Cert																							
OREAS 223 (Fire Assay) Meas																							
OREAS 223 (Fire Assay) Cert																							
OREAS 223 (Fire Assay) Meas																							
OREAS 223 (Fire Assay) Cert																							
OREAS 223 (Fire Assay) Meas																							
OREAS 223 (Fire Assay) Cert																							
OREAS 223 (Fire Assay) Meas																							
OREAS 223 (Fire Assay) Cert																							
OREAS 223 (Fire Assay) Meas																							
OREAS 223 (Fire Assay) Cert																							
OREAS 223 (Fire Assay) Meas																							
OREAS 223 (Fire Assay) Cert																							
OREAS 218 Meas																							
OREAS 218 Cert																							
OREAS 218 Meas																							
OREAS 218 Cert																							
OREAS 218 Meas																							
OREAS 218 Cert																							
OREAS 218 Meas																							
OREAS 218 Cert																							
OREAS 218 Meas																							
OREAS 218 Cert																							
OREAS 218 Meas																							
OREAS 218 Cert																							

Analyte Symbol	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y
Unit Symbol	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.05	0.01	0.1	0.2	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1	1	0.1	0.1
Method Code	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-ICP	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-MS	TD-MS
OREAS 218 Meas																							
OREAS 218 Cert																							
402563 Orig	0.24	0.68	0.2	834	440	8.8	38.9	< 0.002	0.03	< 0.05	36.2	< 1	< 0.2	102	< 0.05	< 0.05	3.3	0.208	0.45	0.7	124	0.2	12.7
402563 Dup	0.20	0.69	0.7	857	440	8.7	40.5	< 0.002	0.02	< 0.05	37.1	< 1	< 0.2	104	< 0.05	< 0.05	3.3	0.217	0.46	0.8	129	0.2	13.1
402569 Orig																							
402569 Dup																							
402579 Orig																							
402579 Dup																							
402601 Orig	0.05	2.15	0.2	39.7	960	13.9	49.9	< 0.002	< 0.01	< 0.05	15.9	< 1	0.8	339	< 0.05	< 0.05	7.0	0.156	0.30	2.7	43	< 0.1	16.5
402601 Dup	0.24	2.03	0.1	41.4	790	13.8	49.3	< 0.002	< 0.01	< 0.05	16.8	< 1	< 0.2	332	< 0.05	< 0.05	6.9	0.106	0.31	1.9	32	0.3	16.6
402603 Orig	< 0.05	1.92	< 0.1	42.8	670	14.2	48.3	< 0.002	< 0.01	< 0.05	16.8	< 1	< 0.2	330	< 0.05	< 0.05	8.9	0.141	0.31	2.0	41	< 0.1	16.1
402603 Dup	< 0.05	2.20	< 0.1	42.6	800	13.8	47.1	< 0.002	< 0.01	< 0.05	16.7	< 1	< 0.2	320	< 0.05	< 0.05	15.7	0.138	0.31	2.0	40	< 0.1	16.7
402605 Orig																							
402605 Dup																							
402615 Orig																							
402615 Dup																							
402639 Orig	0.18	2.07	1.0	67.7	730	16.1	64.4	< 0.002	< 0.01	0.08	18.0	< 1	0.6	241	< 0.05	< 0.05	9.5	0.264	0.42	2.9	69	< 0.1	17.4
402639 Dup	0.17	1.98	1.6	66.5	680	15.0	65.6	< 0.002	< 0.01	0.08	18.3	< 1	0.6	254	< 0.05	< 0.05	9.6	0.256	0.42	2.7	64	< 0.1	17.4
402641 Orig																							
402641 Dup																							
402644 Orig	0.12	1.96	0.1	51.1	330	12.7	47.8	< 0.002	0.02	< 0.05	18.6	< 1	1.0	309	< 0.05	< 0.05	7.7	0.143	0.29	1.7	36	< 0.1	14.3
402644 Dup	0.17	2.13	0.3	51.1	350	12.9	48.3	< 0.002	0.02	< 0.05	18.8	< 1	0.8	309	< 0.05	< 0.05	6.3	0.213	0.30	1.7	52	< 0.1	14.7
402651 Orig																							
402651 Dup																							
402675 Orig	0.23	2.04	0.3	97.1	540	8.6	33.6	< 0.002	< 0.01	0.12	26.2	< 1	2.1	294	< 0.05	< 0.05	3.3	0.254	0.24	1.2	74	< 0.1	17.5
402675 Dup	0.13	2.01	0.7	94.6	550	8.4	33.6	< 0.002	< 0.01	0.15	26.1	< 1	1.4	299	< 0.05	< 0.05	3.4	0.345	0.24	1.1	100	< 0.1	17.3
402677 Orig																							
402677 Dup																							
402685 Orig	0.83	1.66	2.5	286	690	12.9	50.4	< 0.002	0.01	0.14	23.3	< 1	0.6	218	< 0.05	< 0.05	8.7	0.420	0.38	1.9	127	< 0.1	18.8
402685 Dup	0.70	1.63	1.4	275	690	12.5	49.2	< 0.002	0.01	0.06	22.5	< 1	1.0	215	< 0.05	< 0.05	5.9	0.438	0.37	1.8	128	< 0.1	18.6
402687 Orig	0.15	1.76	1.7	239	670	10.5	45.6	< 0.002	< 0.01	< 0.05	19.8	< 1	< 0.2	228	< 0.05	< 0.05	6.1	0.349	0.34	1.7	111	< 0.1	16.0
402687 Dup	0.07	1.66	< 0.1	234	590	10.5	45.7	< 0.002	< 0.01	< 0.05	20.5	< 1	< 0.2	226	< 0.05	< 0.05	5.3	0.162	0.34	1.6	69	< 0.1	15.5
402713 Orig																							
402713 Dup																							
402714 Orig	0.21	2.08	0.8	41.9	1130	14.3	58.0	< 0.002	0.01	0.08	16.6	< 1	1.4	289	< 0.05	0.08	9.7	0.309	0.36	2.2	70	0.1	19.9
402714 Dup	0.13	2.08	0.2	39.8	1050	13.6	58.4	< 0.002	< 0.01	< 0.05	15.9	< 1	1.1	294	< 0.05	< 0.05	8.8	0.206	0.36	2.2	51	0.1	20.4
402723 Orig																							
402723 Dup																							
402739 Orig	0.06	2.03	0.2	49.5	960	14.8	62.0	< 0.002	< 0.01	< 0.05	17.0	< 1	0.5	334	< 0.05	< 0.05	9.5	0.172	0.38	2.3	55	< 0.1	18.9
402739 Dup	0.08	2.04	0.1	48.4	1020	14.6	63.9	< 0.002	< 0.01	< 0.05	16.5	< 1	0.7	326	< 0.05	< 0.05	9.1	0.180	0.37	2.2	51	< 0.1	19.3
402749 Orig																							
402749 Dup																							

Analyte Symbol	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y
Unit Symbol	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.05	0.01	0.1	0.2	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1	1	0.1	0.1
Method Code	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-ICP	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-MS	TD-MS
402757 Orig	0.07	2.29	< 0.1	48.2	1170	11.9	35.9	< 0.002	< 0.01	< 0.05	20.8	< 1	1.3	349	< 0.05	< 0.05	6.4	0.180	0.21	1.9	63	0.1	21.5
402757 Dup	0.05	2.22	< 0.1	47.3	1030	12.8	35.0	< 0.002	< 0.01	< 0.05	20.4	< 1	0.6	348	< 0.05	< 0.05	6.2	0.128	0.20	2.0	48	< 0.1	21.5
402759 Orig																							
402759 Dup																							
402777 Orig	0.10	2.18	1.0	63.8	830	11.7	30.5	< 0.002	< 0.01	< 0.05	17.8	< 1	0.8	274	< 0.05	< 0.05	5.0	0.270	0.27	1.3	75	< 0.1	14.8
402777 Dup	< 0.05	2.20	0.1	63.9	800	12.0	46.5	< 0.002	< 0.01	< 0.05	20.5	< 1	0.7	303	< 0.05	< 0.05	7.0	0.198	0.28	1.8	63	< 0.1	18.0
402785 Orig																							
402785 Dup																							
402792 Orig	0.33	2.20	1.1	60.5	990	12.4	49.6	< 0.002	< 0.01	0.08	18.1	< 1	0.9	285	< 0.05	< 0.05	7.9	0.316	0.31	2.3	77	0.2	18.4
402792 Dup	0.15	2.17	0.8	60.8	1010	13.3	51.8	< 0.002	< 0.01	0.08	18.1	< 1	0.9	291	< 0.05	< 0.05	8.1	0.281	0.30	2.4	68	< 0.1	19.0
402795 Orig																							
402795 Dup																							
402804 Orig	0.10	2.13	0.7	59.6	800	10.8	39.0	< 0.002	< 0.01	< 0.05	19.0	< 1	0.9	335	< 0.05	< 0.05	5.5	0.316	0.23	1.5	84	< 0.1	16.1
402804 Dup	0.10	2.08	1.3	57.7	760	10.7	25.4	< 0.002	< 0.01	< 0.05	17.4	< 1	0.7	315	< 0.05	0.08	4.5	0.319	0.24	1.1	85	< 0.1	13.7
Method Blank	0.11	< 0.01	< 0.1	< 0.2	< 10	< 0.5	< 0.1	< 0.002	< 0.01	< 0.05	< 0.1	< 1	< 0.2	< 0.2	< 0.05	< 0.05	< 0.2	< 0.005	< 0.02	< 0.1	< 1	< 0.1	< 0.1
Method Blank	0.10	< 0.01	< 0.1	< 0.2	< 10	< 0.5	< 0.1	< 0.002	< 0.01	< 0.05	< 0.1	< 1	0.4	< 0.2	< 0.05	< 0.05	< 0.2	< 0.005	< 0.02	< 0.1	< 1	< 0.1	< 0.1
Method Blank	0.10	< 0.01	< 0.1	< 0.2	< 10	< 0.5	< 0.1	< 0.002	< 0.01	< 0.05	< 0.1	< 1	< 0.2	< 0.2	< 0.05	< 0.05	0.3	< 0.005	< 0.02	0.6	< 1	< 0.1	< 0.1
Method Blank	0.10	< 0.01	< 0.1	< 0.2	< 10	< 0.5	< 0.1	< 0.002	< 0.01	< 0.05	< 0.1	< 1	0.8	< 0.2	< 0.05	< 0.05	< 0.2	< 0.005	< 0.02	< 0.1	< 1	< 0.1	< 0.1
Method Blank	0.06	< 0.01	< 0.1	< 0.2	< 10	< 0.5	< 0.1	< 0.002	< 0.01	< 0.05	< 0.1	< 1	0.6	< 0.2	< 0.05	< 0.05	< 0.2	< 0.005	< 0.02	< 0.1	< 1	< 0.1	< 0.1
Method Blank	0.10	< 0.01	< 0.1	0.3	< 10	< 0.5	< 0.1	< 0.002	< 0.01	< 0.05	< 0.1	< 1	0.7	< 0.2	< 0.05	< 0.05	< 0.2	< 0.005	< 0.02	< 0.1	< 1	< 0.1	< 0.1
Method Blank	0.09	< 0.01	< 0.1	< 0.2	< 10	< 0.5	< 0.1	< 0.002	< 0.01	< 0.05	< 0.1	< 1	0.8	< 0.2	< 0.05	< 0.05	< 0.2	< 0.005	0.09	< 0.1	< 1	< 0.1	< 0.1
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																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							

Analyte Symbol	Zn	Zr	Au
Unit Symbol	ppm	ppm	g/mt
Lower Limit	2	0.5	0.005
Method Code	TD-ICP	TD-MS	FA-AA
GXR-1 Meas	762	18.1	
GXR-1 Cert	760	38.0	
GXR-1 Meas	783	19.2	
GXR-1 Cert	760	38.0	
DH-1a Meas			
DH-1a Cert			
DH-1a Meas			
DH-1a Cert			
GXR-4 Meas	69	44.4	
GXR-4 Cert	73.0	186	
GXR-4 Meas	78	47.3	
GXR-4 Cert	73.0	186	
SDC-1 Meas	100	13.0	
SDC-1 Cert	103.00	290.00	
SDC-1 Meas	106	36.8	
SDC-1 Cert	103.00	290.00	
GXR-6 Meas	117	110	
GXR-6 Cert	118	110	
GXR-6 Meas	135	105	
GXR-6 Cert	118	110	
DNC-1a Meas	60	43.4	
DNC-1a Cert	70	38.0	
DNC-1a Meas	61	40.5	
DNC-1a Cert	70	38.0	
SBC-1 Meas	204	133	
SBC-1 Cert	186	134.0	
SBC-1 Meas	184	130	
SBC-1 Cert	186	134.0	
OREAS 45d (4-Acid) Meas	43	130	
OREAS 45d (4-Acid) Cert	45.7	141	
OREAS 45d (4-Acid) Meas	46	49.9	
OREAS 45d (4-Acid) Cert	45.7	141	
SdAR-M2 (U.S.G.S.) Meas	808	135	
SdAR-M2 (U.S.G.S.) Cert	760	259	
SdAR-M2 (U.S.G.S.) Meas	887	135	
SdAR-M2 (U.S.G.S.) Cert	760	259	

Analyte Symbol	Zn	Zr	Au
Unit Symbol	ppm	ppm	g/mt
Lower Limit	2	0.5	0.005
Method Code	TD-ICP	TD-MS	FA-AA
OREAS 223 (Fire Assay) Meas			1.85
OREAS 223 (Fire Assay) Cert			1.78
OREAS 223 (Fire Assay) Meas			1.82
OREAS 223 (Fire Assay) Cert			1.78
OREAS 223 (Fire Assay) Meas			1.77
OREAS 223 (Fire Assay) Cert			1.78
OREAS 223 (Fire Assay) Meas			1.73
OREAS 223 (Fire Assay) Cert			1.78
OREAS 223 (Fire Assay) Meas			1.78
OREAS 223 (Fire Assay) Cert			1.78
OREAS 223 (Fire Assay) Meas			1.78
OREAS 223 (Fire Assay) Cert			1.78
OREAS 223 (Fire Assay) Meas			1.80
OREAS 223 (Fire Assay) Cert			1.78
OREAS 223 (Fire Assay) Meas			1.78
OREAS 223 (Fire Assay) Cert			1.78
OREAS 218 Meas			0.538
OREAS 218 Cert			0.531
OREAS 218 Meas			0.555
OREAS 218 Cert			0.531
OREAS 218 Meas			0.520
OREAS 218 Cert			0.531
OREAS 218 Meas			0.535
OREAS 218 Cert			0.531
OREAS 218 Meas			0.546
OREAS 218 Cert			0.531
OREAS 218 Meas			0.552
OREAS 218 Cert			0.531
OREAS 218 Meas			0.540
OREAS 218 Cert			0.531

Analyte Symbol	Zn	Zr	Au
Unit Symbol	ppm	ppm	g/mt
Lower Limit	2	0.5	0.005
Method Code	TD-ICP	TD-MS	FA-AA
OREAS 218 Meas			0.551
OREAS 218 Cert			0.531
402563 Orig	100	71.0	
402563 Dup	100	74.9	
402569 Orig			0.043
402569 Dup			0.052
402579 Orig			0.010
402579 Dup			0.008
402601 Orig	62	159	
402601 Dup	57	110	
402603 Orig	53	14.9	
402603 Dup	58	104	
402605 Orig			< 0.005
402605 Dup			< 0.005
402615 Orig			< 0.005
402615 Dup			< 0.005
402639 Orig	87	177	
402639 Dup	81	157	
402641 Orig			0.947
402641 Dup			0.916
402644 Orig	89	122	
402644 Dup	98	147	
402651 Orig			< 0.005
402651 Dup			< 0.005
402675 Orig	76	62.9	
402675 Dup	73	88.3	
402677 Orig			< 0.005
402677 Dup			< 0.005
402685 Orig	130	141	
402685 Dup	128	133	
402687 Orig	87	137	0.008
402687 Dup	84	103	< 0.005
402713 Orig			0.008
402713 Dup			0.007
402714 Orig	77	193	
402714 Dup	76	148	
402723 Orig			< 0.005
402723 Dup			< 0.005
402739 Orig	73	109	
402739 Dup	75	153	
402749 Orig			0.006
402749 Dup			0.005

Analyte Symbol	Zn	Zr	Au
Unit Symbol	ppm	ppm	g/mt
Lower Limit	2	0.5	0.005
Method Code	TD-ICP	TD-MS	FA-AA
402757 Orig	84	141	
402757 Dup	81	31.8	
402759 Orig			0.005
402759 Dup			0.006
402777 Orig	90	155	
402777 Dup	93	139	
402785 Orig			0.015
402785 Dup			0.008
402792 Orig	93	160	
402792 Dup	94	143	
402795 Orig			0.006
402795 Dup			0.005
402804 Orig	51	212	
402804 Dup	49	220	
Method Blank	< 2	< 0.5	
Method Blank	< 2	< 0.5	
Method Blank	< 2	< 0.5	
Method Blank	< 2	< 0.5	
Method Blank	< 2	0.9	
Method Blank	< 2	< 0.5	
Method Blank	< 2	< 0.5	
Method Blank			< 0.005
Method Blank			< 0.005
Method Blank			< 0.005
Method Blank			< 0.005
Method Blank			< 0.005
Method Blank			< 0.005
Method Blank			< 0.005
Method Blank			< 0.005
Method Blank			< 0.005
Method Blank			< 0.005
Method Blank			< 0.005
Method Blank			< 0.005
Method Blank			< 0.005
Method Blank			< 0.005
Method Blank			< 0.005
Method Blank			< 0.005

Quality Analysis ... *Innovative Technologies*

Date Submitted: 15-Dec-17
Invoice No.: A17-14265
Invoice Date: 08-Feb-18
Your Reference: # 39899-True North Nickel

Techni-Lab Abitibi Inc.(Actlabs)
184 Rue Principale
Ste-Germaine-Boule Quebec J0Z 1M0
Canada

ATTN: Andre Caouette

CERTIFICATE OF ANALYSIS

172 Soil samples were submitted for analysis.

The following analytical package(s) were requested: Code 1A2 Au - Fire Assay AA

Code ME-MS61 Total Digestion ICP & ICP/MS

REPORT **A17-14265**

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

Values which exceed the upper limit should be assayed for accurate numbers.

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
41 Bittern Street, Ancaster, Ontario, Canada, L9G 4V5
TELEPHONE +905 648-9611 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Ancaster@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn
Unit Symbol	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5
Method Code	TD-MS	TD-ICP	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-ICP
403095	< 0.01	7.32	3.6	500	1.52	0.09	2.37	0.10	76.8	17.3	88	1.66	79.7	4.42	16.5	< 0.05	2.8	0.051	1.50	39.6	19.6	1.39	686
403096	< 0.01	7.51	< 0.2	510	1.64	0.08	2.53	0.12	90.4	20.0	90	1.78	46.2	4.67	17.8	< 0.05	1.4	0.051	1.72	42.8	22.7	1.57	787
403097	< 0.01	7.99	13.2	510	1.78	0.16	2.24	0.12	88.7	31.7	103	2.49	215	6.21	19.2	< 0.05	3.4	0.062	1.75	43.7	27.5	2.04	746
403098	< 0.01	7.48	1.4	520	2.13	0.11	1.93	0.05	76.4	22.2	114	2.11	39.9	5.12	18.5	< 0.05	4.0	0.050	1.28	37.0	24.8	1.71	826
403099	< 0.01	7.15	1.0	480	1.59	0.09	2.33	0.07	74.5	17.9	126	1.48	26.8	4.45	16.3	< 0.05	4.3	0.048	1.63	35.8	19.7	1.46	758
403100	< 0.01	9.28	4.0	150	0.94	0.34	0.34	0.04	47.0	7.9	108	6.27	34.9	6.81	27.0	< 0.05	4.2	0.075	0.53	20.8	37.2	0.33	541
403101	< 0.01	6.35	3.0	470	1.68	0.10	2.09	0.08	57.0	18.2	144	1.43	36.6	4.25	16.9	< 0.05	4.7	0.050	1.32	26.5	18.8	1.31	708
403102	< 0.01	6.86	1.5	520	1.80	0.13	2.03	0.11	59.4	22.6	156	1.74	42.7	4.99	17.2	< 0.05	4.9	0.057	1.30	26.9	22.2	1.62	774
403103	< 0.01	5.99	0.6	470	1.52	0.07	1.96	0.15	42.5	15.3	114	1.23	25.6	3.77	15.4	< 0.05	4.3	0.038	1.16	18.4	17.4	1.10	680
403104	< 0.01	7.30	2.7	500	1.71	0.12	1.99	0.17	81.7	22.8	142	1.95	39.9	5.16	17.3	< 0.05	4.1	0.047	1.63	32.5	24.3	1.67	886
403105	< 0.01	7.46	1.3	500	1.78	0.10	1.86	0.04	76.0	19.7	125	1.78	41.1	4.90	17.3	< 0.05	3.8	0.044	1.72	36.6	22.2	1.59	690
403106	< 0.01	7.62	8.8	530	1.86	0.16	1.98	0.16	79.6	26.2	99	2.13	62.7	5.76	17.7	< 0.05	2.9	0.049	1.85	39.0	25.5	1.85	907
403107	< 0.01	6.78	< 0.2	440	1.45	0.08	2.33	0.18	75.3	17.0	129	1.24	33.6	4.07	14.8	< 0.05	2.6	0.045	1.59	36.2	15.6	1.21	744
403108	< 0.01	7.04	6.9	390	1.34	0.10	3.30	0.07	58.9	24.9	189	0.99	79.4	5.17	15.0	< 0.05	2.0	0.040	1.30	27.5	12.8	2.33	955
403109	< 0.01	7.37	4.9	470	1.70	0.11	2.84	0.12	85.1	24.0	133	1.40	47.6	4.87	16.6	< 0.05	2.6	0.051	1.65	39.2	16.1	1.88	915
403110	< 0.01	7.54	9.8	500	1.65	0.21	2.63	0.08	83.1	30.3	163	1.49	52.5	5.13	16.4	< 0.05	3.2	0.052	1.81	39.8	17.6	2.10	861
403111	< 0.01	7.47	7.1	520	1.90	0.13	2.06	0.14	78.1	26.0	120	2.14	71.8	5.37	17.4	< 0.05	3.0	0.050	1.54	41.2	23.8	1.80	808
403112	< 0.01	7.70	6.3	520	1.77	0.16	2.39	0.16	75.0	27.5	162	1.85	68.3	5.56	17.0	< 0.05	3.6	0.053	1.89	35.8	21.5	2.01	924
403113	< 0.01	7.35	4.1	510	1.76	0.12	2.13	0.17	75.1	23.9	128	1.83	52.7	4.93	17.1	< 0.05	3.7	0.049	1.56	36.5	22.2	1.69	824
403114	< 0.01	5.63	3.9	430	1.67	0.09	2.22	0.11	36.2	20.3	185	1.29	47.2	4.33	16.6	< 0.05	5.0	0.051	1.58	15.6	18.7	1.48	734
403115	< 0.01	6.95	4.0	460	1.59	0.10	2.34	0.13	65.0	21.1	171	1.45	39.8	4.58	15.3	< 0.05	4.0	0.053	1.63	32.3	17.7	1.62	800
403116	< 0.01	8.12	8.5	550	1.97	0.17	2.34	0.19	80.0	31.2	198	2.58	68.5	6.46	18.3	< 0.05	3.2	0.059	1.96	39.2	28.2	2.49	1140
403117	< 0.01	7.61	4.0	460	1.42	0.13	2.99	0.11	68.7	28.1	147	1.48	41.4	5.53	15.8	< 0.05	1.9	0.060	1.66	31.2	17.2	2.53	1100
403118	< 0.01	7.27	0.6	450	1.42	0.11	2.61	0.12	79.9	27.5	152	1.52	46.9	5.06	17.8	< 0.05	2.6	0.049	1.63	36.7	20.1	2.15	934
403119	< 0.01	7.39	3.1	430	1.36	0.11	2.86	0.08	67.4	26.9	181	1.25	41.2	5.31	16.4	< 0.05	2.3	0.049	1.53	32.5	17.3	2.38	980
403120	< 0.01	7.78	5.5	470	1.66	0.20	2.64	0.12	71.7	29.5	168	1.77	68.6	5.86	17.8	< 0.05	2.0	0.051	1.72	37.1	20.1	2.42	1030
403121	< 0.01	7.73	9.4	490	1.61	0.26	2.35	0.09	70.3	32.4	176	2.08	84.4	5.77	18.7	< 0.05	2.1	0.059	1.71	32.5	23.7	2.37	958
403122	< 0.01	7.66	10.4	480	1.55	0.25	2.61	0.14	83.1	39.0	218	2.14	80.8	6.18	17.5	< 0.05	2.8	0.062	1.88	34.6	22.4	3.25	1080
403123	< 0.01	7.72	9.8	490	1.75	0.20	2.39	0.13	88.7	38.5	181	2.26	74.3	5.99	18.4	< 0.05	2.1	0.063	1.89	37.5	22.5	2.88	1090
403124	0.08	7.20	11.6	550	2.00	0.19	1.80	0.20	50.6	34.7	211	2.62	83.3	6.09	20.4	< 0.05	4.2	0.062	1.74	21.7	31.1	2.26	1060
403125	< 0.01	7.71	7.2	550	1.74	0.13	2.04	0.22	74.9	29.0	145	2.52	86.5	5.78	19.4	< 0.05	3.8	0.050	1.87	38.5	30.1	2.10	788
403126	< 0.01	6.99	6.8	410	1.51	0.13	2.80	0.12	71.0	42.3	278	1.81	75.6	5.72	16.8	< 0.05	1.8	0.054	1.54	30.7	21.9	3.43	1010
403127	< 0.01	6.99	2.6	450	1.64	0.11	2.43	0.17	82.7	25.8	177	1.50	44.9	4.72	17.0	< 0.05	3.4	0.052	1.64	36.2	17.7	2.02	1120
403128	< 0.01	6.92	< 0.2	470	1.54	0.08	2.05	0.16	64.7	16.7	82	1.47	33.4	4.12	15.4	< 0.05	2.8	0.045	1.70	32.0	18.6	1.28	590
403129	< 0.01	7.91	2.7	580	1.83	0.21	2.02	0.12	84.7	23.8	87	1.83	48.6	4.94	18.5	< 0.05	1.9	0.058	2.17	38.7	20.8	1.82	771
403130	< 0.01	7.69	11.5	500	1.70	0.31	2.03	0.06	86.5	27.2	118	1.89	56.2	5.31	18.6	< 0.05	2.3	0.061	2.00	33.1	20.1	1.99	796
403131	< 0.01	6.99	1.0	470	1.52	0.10	2.41	0.12	73.0	22.7	124	1.57	59.4	4.74	17.0	< 0.05	2.5	0.047	1.66	34.3	19.3	1.71	784
403132	< 0.01	7.10	2.3	490	1.63	0.09	2.08	0.13	66.9	21.0	96	1.63	46.5	4.57	16.4	< 0.05	2.8	0.044	1.73	34.1	19.4	1.57	713
403133	< 0.01	7.07	1.4	480	1.60	0.10	2.39	0.07	77.1	21.8	143	1.39	38.9	4.51	16.3	< 0.05	2.9	0.048	1.69	36.9	17.8	1.64	754
403134	< 0.01	6.65	10.5	400	1.24	0.15	2.61	0.19	70.9	40.0	297	1.57	85.6	5.29	15.8	< 0.05	3.7	0.056	1.51	33.8	18.8	2.79	899
403135	< 0.01	6.79	6.7	470	1.67	0.09	2.19	0.11	68.7	19.4	93	1.59	41.9	4.48	16.2	< 0.05	2.0	0.049	1.68	33.8	19.0	1.40	700
403136	< 0.01	6.90	2.0	440	1.43	0.09	2.30	0.10	60.2	20.9	156	1.38	40.5	4.60	15.2	< 0.05	2.5	0.051	1.61	29.9	17.7	1.66	664

Analyte Symbol	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn
Unit Symbol	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5
Method Code	TD-MS	TD-ICP	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-ICP
403137	< 0.01	7.03	< 0.2	480	1.59	0.08	1.97	0.15	67.6	19.3	93	1.58	38.3	4.16	16.2	< 0.05	2.8	0.049	1.72	31.5	19.9	1.48	560
403138	< 0.01	6.82	2.6	420	1.45	0.10	2.23	0.13	61.9	26.9	184	1.61	55.0	4.76	15.7	< 0.05	2.5	0.052	1.55	30.0	19.1	2.43	761
403139	< 0.01	7.35	0.4	390	1.49	0.17	3.11	0.07	67.3	22.3	136	1.07	61.1	5.17	17.6	< 0.05	1.9	0.068	1.27	32.2	16.8	1.92	812
403140	< 0.01	6.73	< 0.2	380	1.15	0.05	2.15	0.03	21.0	6.4	48	0.72	6.8	1.69	14.0	< 0.05	2.3	0.020	1.34	9.1	6.6	0.56	337
403141	< 0.01	7.39	< 0.2	490	1.75	0.09	2.41	0.12	82.5	21.5	97	1.58	41.1	4.83	17.0	< 0.05	3.1	0.053	1.61	39.2	21.6	1.66	768
403142	< 0.01	5.81	3.7	420	1.65	0.14	2.58	0.11	41.9	22.3	129	1.33	64.5	4.90	18.3	< 0.05	4.2	0.062	1.45	19.8	18.2	1.55	792
403143	< 0.01	7.22	3.2	460	1.59	0.12	2.35	0.12	65.4	24.2	142	1.35	45.7	4.70	16.7	< 0.05	3.2	0.054	1.63	29.3	19.0	1.66	773
403144	< 0.01	7.31	2.0	440	1.52	0.15	3.07	0.10	84.3	25.5	116	1.08	49.4	5.03	17.0	< 0.05	3.0	0.061	1.46	37.4	16.3	1.92	865
403145	< 0.01	7.35	2.7	400	1.43	0.16	3.12	0.10	76.4	29.5	95	1.07	92.4	5.23	18.4	< 0.05	2.5	0.064	1.35	34.2	16.8	1.85	858
403146	< 0.01	7.13	< 0.2	490	1.77	0.06	2.35	0.12	75.5	18.1	101	1.44	30.6	4.40	17.5	< 0.05	2.7	0.048	1.66	36.8	19.4	1.46	730
403147	< 0.01	7.53	8.6	430	1.48	0.23	2.87	0.09	75.2	37.9	148	1.48	95.4	5.67	17.5	< 0.05	1.7	0.059	1.54	32.1	17.1	2.43	961
403148	< 0.01	7.28	9.3	460	1.57	0.17	2.52	0.18	70.2	26.5	144	1.70	85.7	5.27	16.1	< 0.05	3.3	0.054	1.72	33.1	20.2	1.99	859
403149	< 0.01	7.80	20.1	490	1.41	0.22	2.86	0.15	82.9	31.3	174	1.94	80.7	5.79	18.8	< 0.05	4.3	0.057	1.88	39.8	21.1	2.39	939
403150	< 0.01	7.50	5.8	390	1.33	0.14	3.31	0.10	68.1	30.9	151	1.18	99.1	5.65	17.9	< 0.05	3.2	0.067	1.29	29.7	16.3	2.37	976
403151	< 0.01	7.43	4.3	340	1.31	0.21	3.37	0.09	61.0	35.4	133	0.96	111	5.89	17.6	< 0.05	1.8	0.070	1.15	24.9	14.0	2.53	961
403152	0.06	7.17	24.3	360	1.13	0.31	3.17	0.14	46.5	41.5	179	1.29	248	6.45	17.7	0.20	3.3	0.071	1.29	21.2	18.5	2.35	1020
403153	< 0.01	7.91	7.1	450	1.43	0.31	3.24	0.07	84.6	34.0	212	1.75	77.2	5.94	18.7	< 0.05	3.2	0.072	1.76	36.1	16.8	2.74	959
403154	< 0.01	7.40	1.1	520	1.87	0.09	2.06	0.18	71.9	20.3	109	2.02	52.3	4.95	17.6	< 0.05	3.3	0.051	1.91	35.1	23.5	1.59	870
403155	< 0.01	7.49	2.0	510	1.64	0.11	2.29	0.17	81.9	27.5	138	1.95	52.7	5.41	16.4	< 0.05	2.8	0.053	1.76	38.1	22.4	2.04	701
403156	< 0.01	7.23	1.6	470	1.63	0.10	2.51	0.07	64.6	25.6	112	1.48	29.0	5.13	15.3	< 0.05	2.3	0.048	1.53	27.3	20.2	1.77	885
403157	< 0.01	6.56	0.9	280	1.12	0.10	4.01	0.08	43.0	40.3	297	1.12	90.1	6.26	15.3	< 0.05	2.3	0.051	1.03	19.1	15.7	4.43	948
403158	< 0.01	6.81	4.0	310	1.11	0.13	3.92	0.08	49.9	38.6	269	1.18	66.6	5.99	15.8	0.06	2.6	0.056	1.13	21.5	14.4	3.76	1010
403159	0.01	7.55	3.3	480	1.49	0.11	2.32	0.13	61.9	31.6	224	2.03	54.2	5.88	18.3	< 0.05	3.4	0.046	1.73	31.1	24.3	2.71	985
403160	< 0.01	6.57	< 0.2	400	1.68	0.05	2.20	0.03	19.1	6.3	77	0.68	6.8	1.84	13.7	0.11	2.0	0.018	1.41	7.8	6.5	0.57	377
403161	< 0.01	7.05	2.7	380	1.23	0.10	3.05	0.08	61.4	29.2	190	1.39	79.7	5.19	16.1	< 0.05	3.6	0.054	1.32	29.2	16.6	2.63	895
403162	< 0.01	7.25	0.9	390	1.36	0.12	3.60	0.11	65.5	30.8	166	1.12	70.7	5.39	15.8	< 0.05	3.7	0.058	1.33	28.0	14.1	2.64	1020
403163	< 0.01	6.80	6.9	350	1.18	0.14	3.26	0.11	46.0	36.2	296	1.15	100	5.97	16.7	< 0.05	3.5	0.058	1.17	22.0	16.1	2.86	1010
403164	< 0.01	7.05	10.4	310	1.23	0.16	3.25	0.12	48.0	57.4	386	1.87	184	7.09	18.0	< 0.05	1.4	0.062	1.03	22.8	19.1	4.25	1150
403165	< 0.01	6.86	< 0.2	440	1.30	0.06	2.38	0.13	57.0	21.6	162	1.30	45.4	4.24	15.6	< 0.05	3.4	0.051	1.61	27.0	17.2	1.80	695
403166	< 0.01	7.03	< 0.2	490	1.58	0.06	2.11	0.14	66.8	14.6	83	1.31	24.7	3.84	16.3	< 0.05	1.4	0.036	1.82	31.6	18.2	1.24	534
403167	< 0.01	7.08	0.3	490	1.55	0.07	2.07	0.14	67.7	16.1	108	1.61	33.5	4.18	15.6	< 0.05	2.5	0.052	1.76	31.5	20.7	1.42	490
403168	< 0.01	6.82	2.5	310	1.02	0.14	3.27	0.15	48.1	53.6	343	1.20	58.1	6.29	16.8	< 0.05	1.7	0.060	0.97	19.9	16.1	4.32	1620
403169	< 0.01	6.84	1.4	390	1.64	0.10	2.41	0.15	69.8	41.8	241	2.67	96.3	5.78	18.0	< 0.05	2.7	0.048	1.36	33.5	26.2	3.39	1050
403170	< 0.01	7.01	0.8	380	1.61	0.10	3.40	0.16	68.2	34.4	203	1.38	67.0	5.83	16.3	< 0.05	2.4	0.054	1.21	31.4	16.2	2.94	1070
403171	< 0.01	6.55	2.8	370	1.73	0.09	2.94	0.12	61.0	48.0	309	2.17	77.4	6.13	15.8	< 0.05	3.3	0.054	1.29	28.9	20.8	4.27	1090
403172	< 0.01	5.48	< 0.2	240	0.90	0.11	3.67	0.11	36.7	68.0	708	2.36	146	7.10	13.4	< 0.05	1.4	0.049	0.83	17.9	20.7	6.52	990
403173	< 0.01	4.90	< 0.2	180	0.80	0.10	4.62	0.08	25.6	72.8	546	2.16	107	6.94	13.4	< 0.05	1.6	0.043	0.91	12.3	22.1	7.25	1010
403174	< 0.01	6.82	6.4	350	1.17	0.11	2.34	0.14	65.2	38.4	287	1.38	84.1	6.43	16.6	< 0.05	1.3	0.054	1.10	28.4	18.9	3.20	1290
403175	< 0.01	6.61	3.5	340	1.21	0.09	2.23	0.10	50.6	37.0	392	1.10	56.3	5.59	15.3	< 0.05	2.9	0.048	1.08	24.5	16.1	3.66	865
403176	< 0.01	6.68	3.7	330	1.24	0.14	2.17	0.11	54.5	44.2	396	1.32	64.0	6.17	16.5	< 0.05	2.4	0.057	1.07	24.6	18.8	4.08	1090
403177	< 0.01	6.72	4.9	370	1.32	0.12	2.27	0.14	65.0	42.3	312	1.44	69.5	5.93	15.9	< 0.05	2.6	0.052	1.16	27.2	18.1	3.61	1150
403178	< 0.01	6.72	2.0	360	1.16	0.09	2.35	0.11	51.5	34.5	252	1.03	55.9	5.48	15.3	< 0.05	1.9	0.050	1.11	24.1	15.9	3.29	939

Analyte Symbol	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn
Unit Symbol	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5
Method Code	TD-MS	TD-ICP	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-ICP
403179	< 0.01	6.84	12.6	340	1.25	0.13	2.65	0.19	47.9	43.6	334	1.62	78.4	6.21	16.6	< 0.05	1.8	0.051	1.14	20.7	19.0	3.97	1050
403180	0.02	6.37	14.0	320	1.00	0.15	2.73	0.17	50.2	45.7	527	1.69	80.7	6.31	15.2	0.07	3.7	0.053	1.07	21.2	20.6	4.08	1090
403181	< 0.01	6.78	2.4	360	1.37	0.09	2.32	0.09	60.2	32.6	309	1.26	70.2	5.29	15.6	< 0.05	3.3	0.054	1.21	27.3	16.9	2.78	889
403182	< 0.01	6.94	1.1	400	1.31	0.08	2.37	0.11	68.1	29.3	230	1.09	56.1	5.32	15.7	< 0.05	3.3	0.051	1.29	30.3	16.3	2.53	877
403183	< 0.01	6.77	1.7	390	1.47	0.08	2.43	0.08	62.1	26.1	170	1.04	49.0	4.99	14.3	< 0.05	2.2	0.050	1.24	29.2	15.5	2.24	843
403184	< 0.01	7.05	1.8	440	1.62	0.08	2.49	0.08	78.4	23.4	136	1.10	49.1	4.91	16.3	< 0.05	2.8	0.047	1.41	32.4	16.9	1.93	900
403185	< 0.01	6.71	1.2	380	1.46	0.07	2.56	0.12	64.6	26.3	200	0.89	38.6	4.92	15.1	< 0.05	2.2	0.046	1.28	29.6	14.7	2.49	916
403186	< 0.01	6.80	1.3	380	1.48	0.08	2.41	0.13	67.4	30.2	274	1.11	47.4	5.31	16.0	< 0.05	3.8	0.055	1.21	30.5	16.4	2.95	800
403187	< 0.01	6.95	13.6	380	1.55	0.09	2.64	0.30	68.1	33.5	242	0.94	70.4	5.39	14.7	< 0.05	4.1	0.045	1.24	30.3	15.2	2.39	980
403188	0.07	6.88	8.5	370	1.10	0.06	3.00	0.22	48.3	50.9	459	1.11	117	5.68	14.8	< 0.05	3.4	0.048	1.08	25.0	19.2	3.23	1310
403189	0.04	6.62	5.4	320	1.20	0.08	2.40	0.05	54.9	36.6	319	1.17	68.7	6.00	15.5	< 0.05	3.5	0.048	1.02	25.3	17.3	3.50	1100
403190	< 0.01	6.76	4.4	340	1.28	0.08	2.37	0.17	55.8	43.3	321	1.16	70.6	5.94	16.1	< 0.05	1.9	0.047	1.13	22.8	17.3	3.84	1190
403191	< 0.01	6.61	7.2	400	1.26	0.09	2.18	0.10	52.8	29.7	288	1.10	53.9	5.42	16.3	< 0.05	4.5	0.051	1.29	24.5	17.5	2.48	954
403192	< 0.01	6.97	2.9	380	1.41	0.09	2.37	0.07	61.4	27.4	217	1.11	47.2	5.04	15.6	< 0.05	3.7	0.052	1.18	24.5	16.9	2.06	997
403193	< 0.01	6.92	0.4	370	1.43	0.10	2.60	0.15	67.3	25.8	186	1.08	49.1	5.12	15.4	< 0.05	1.5	0.045	1.16	28.9	15.1	1.93	899
403194	< 0.01	6.87	3.2	370	1.42	0.10	2.34	0.09	64.6	31.8	227	1.17	56.4	5.16	16.1	< 0.05	2.8	0.045	1.22	25.0	19.0	2.45	916
403195	0.02	6.19	35.3	420	1.44	0.27	1.79	0.29	60.1	36.1	281	3.78	199	9.26	15.7	< 0.05	1.2	0.081	1.45	27.8	25.4	2.38	1730
403196	< 0.01	7.06	1.1	460	1.73	0.08	2.01	0.10	74.7	22.5	172	1.38	39.1	4.89	16.5	< 0.05	2.7	0.044	1.61	35.3	19.4	2.12	774
403197	< 0.01	7.18	3.4	450	1.73	0.10	2.01	0.09	78.8	29.4	266	2.07	54.3	5.90	16.4	< 0.05	3.0	0.056	1.54	36.3	21.9	2.53	1010
403198	< 0.01	7.09	2.1	420	1.45	0.09	2.31	0.09	75.9	25.4	222	1.58	41.9	5.23	16.1	< 0.05	4.5	0.051	1.46	33.8	21.6	2.16	885
403199	< 0.01	6.94	6.6	430	1.87	0.15	1.81	0.10	80.4	30.2	256	2.71	72.4	7.07	15.6	< 0.05	3.5	0.054	1.66	37.9	22.2	2.68	1030
403200	< 0.01	9.67	2.6	150	1.06	0.32	0.35	0.04	45.7	7.9	155	5.97	34.4	6.84	28.4	< 0.05	2.7	0.080	0.52	20.8	34.4	0.33	526
403201	< 0.01	6.74	6.4	390	1.33	0.12	2.07	0.07	59.1	30.0	279	1.47	48.8	5.46	16.6	< 0.05	2.8	0.051	1.30	22.9	19.0	2.63	894
403202	0.03	6.70	9.9	370	1.45	0.07	2.46	0.06	48.3	34.1	451	1.20	55.9	5.44	16.6	0.06	4.6	0.047	1.25	21.3	18.3	2.98	953
403203	< 0.01	7.73	4.8	400	1.40	0.14	3.00	0.15	63.6	31.6	90	1.17	144	5.67	18.6	< 0.05	3.2	0.054	1.29	28.0	17.8	1.82	960
403204	< 0.01	7.46	1.5	400	1.49	0.11	2.85	0.08	60.3	25.0	91	1.01	86.3	5.34	18.3	< 0.05	2.8	0.051	1.29	26.4	16.2	1.83	900
403205	< 0.01	7.46	0.5	430	1.62	0.08	2.21	0.08	64.4	24.1	93	1.37	62.4	5.50	18.0	< 0.05	2.2	0.053	1.38	30.0	18.4	1.69	941
403206	< 0.01	6.93	0.9	280	1.02	0.08	2.77	0.14	47.4	50.6	369	0.99	130	7.02	16.8	< 0.05	2.1	0.056	0.86	21.9	22.5	4.63	1290
403207	< 0.01	5.88	< 0.2	150	0.50	0.03	3.34	0.09	20.5	80.2	746	5.23	209	8.03	15.6	< 0.05	2.1	0.041	0.65	8.8	25.4	7.97	1330
403208	< 0.01	6.44	4.8	230	0.69	0.08	2.91	0.19	37.0	59.9	517	2.80	124	7.33	16.6	< 0.05	2.0	0.053	0.69	15.6	18.0	5.03	1190
403209	< 0.01	7.03	7.6	340	1.09	0.09	1.91	0.18	45.6	55.8	411	0.98	102	7.50	17.7	< 0.05	2.2	0.056	0.99	20.2	19.0	4.08	1630
403210	< 0.01	7.56	1.5	470	1.57	0.08	2.33	0.14	75.9	27.1	100	1.60	60.8	5.73	18.7	< 0.05	2.9	0.053	1.54	35.1	19.9	1.64	1180
403211	< 0.01	7.71	< 0.2	450	1.50	0.08	2.39	0.13	76.6	20.9	90	1.39	60.0	5.12	16.7	< 0.05	0.5	0.051	1.47	35.2	19.5	1.59	822
403212	< 0.01	7.27	3.7	460	1.54	0.11	1.83	0.10	78.4	26.6	131	2.43	110	5.63	16.9	< 0.05	2.8	0.054	1.40	34.3	23.9	1.78	950
403213	< 0.01	7.38	< 0.2	430	1.67	0.06	2.44	0.08	64.9	18.7	70	1.01	50.3	4.83	16.9	< 0.05	2.0	0.051	1.42	28.5	15.5	1.41	828
403214	< 0.01	7.26	0.5	410	1.38	0.06	2.49	0.11	67.4	26.7	113	1.20	62.0	5.34	17.2	< 0.05	2.7	0.053	1.32	30.2	16.4	1.86	959
403215	< 0.01	7.89	0.7	420	1.23	0.07	2.74	0.16	65.4	28.0	99	1.07	57.5	5.46	17.4	< 0.05	2.3	0.058	1.42	26.5	15.5	1.84	976
403216	< 0.01	7.06	< 0.2	400	1.47	0.06	2.86	0.12	71.5	22.0	100	0.96	37.9	4.95	17.5	< 0.05	2.9	0.060	1.29	30.7	15.0	1.62	928
403217	< 0.01	7.46	< 0.2	410	1.50	0.07	2.81	0.11	81.4	23.1	101	1.10	52.7	5.37	17.1	< 0.05	3.2	0.067	1.33	35.7	16.7	1.60	1010
403218	< 0.01	7.78	2.3	370	1.33	0.09	2.65	0.18	53.2	36.9	159	1.49	121	6.92	17.9	< 0.05	2.0	0.055	1.18	24.6	19.8	2.67	1240
403219	< 0.01	7.15	< 0.2	380	1.65	0.06	2.89	0.13	67.0	24.6	127	0.99	55.9	5.51	17.2	< 0.05	3.3	0.057	1.22	28.4	15.5	1.76	985
403220	0.08	8.13	4.1	180	0.91	0.32	0.20	< 0.02	35.5	30.7	443	3.73	373	14.3	22.1	< 0.05	1.2	0.085	0.44	16.4	20.8	0.24	505

Analyte Symbol	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn
Unit Symbol	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5
Method Code	TD-MS	TD-ICP	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-ICP
403221	< 0.01	7.39	< 0.2	390	1.50	0.06	2.92	0.11	64.9	25.0	80	1.09	62.2	5.55	17.1	< 0.05	2.3	0.054	1.19	28.0	16.5	1.70	966
403222	< 0.01	7.54	< 0.2	390	1.44	0.06	3.19	0.15	74.3	28.2	76	1.04	78.1	6.09	17.5	< 0.05	1.7	0.063	1.15	28.6	16.0	1.90	1170
403223	< 0.01	7.31	< 0.2	360	1.30	0.05	3.12	0.13	67.9	22.3	81	0.73	42.4	5.18	16.3	< 0.05	2.0	0.063	1.17	28.6	12.7	1.62	963
403224	0.02	7.44	4.6	340	1.11	0.08	3.06	0.44	66.5	35.4	106	0.88	117	6.08	17.2	< 0.05	1.9	0.070	1.09	25.9	15.0	1.93	1310
403225	< 0.01	7.65	4.8	440	1.52	0.08	2.56	0.14	64.7	23.9	107	1.29	53.9	5.43	16.7	< 0.05	3.9	0.052	1.41	29.3	18.7	1.73	974
403226	< 0.01	7.29	3.0	420	1.31	0.07	2.74	0.12	61.5	27.5	163	1.21	60.8	5.63	16.7	< 0.05	4.1	0.047	1.30	27.4	16.8	2.15	1000
403227	< 0.01	7.14	2.2	440	1.41	0.08	2.23	0.26	67.4	25.8	173	1.63	72.3	5.35	15.7	< 0.05	3.6	0.051	1.35	31.2	18.0	1.98	995
403228	< 0.01	7.35	2.7	390	1.48	0.07	2.30	0.17	60.3	47.8	286	1.18	91.3	7.13	18.6	< 0.05	2.1	0.056	1.05	27.7	21.7	3.59	1160
403229	< 0.01	6.59	35.8	390	1.35	0.07	2.39	0.11	46.9	41.0	427	1.31	49.6	5.21	15.8	< 0.05	4.4	0.045	1.38	21.5	17.2	2.18	878
403230	< 0.01	6.96	10.3	320	1.10	0.07	2.21	0.13	47.9	49.2	520	1.25	78.7	6.59	17.1	< 0.05	3.1	0.056	1.15	21.2	18.4	3.26	1080
403231	< 0.01	7.64	< 0.2	400	1.31	0.06	2.79	0.09	59.4	26.7	111	1.00	61.6	5.73	17.9	< 0.05	2.1	0.052	1.21	26.3	17.1	1.98	988
403232	< 0.01	7.52	0.2	420	1.44	0.06	2.70	0.08	66.8	25.0	80	1.10	55.6	5.34	17.8	< 0.05	2.9	0.059	1.35	29.3	16.9	1.72	982
403233	< 0.01	7.53	0.7	450	1.63	0.10	2.12	0.09	67.5	23.6	82	1.68	71.6	5.28	17.9	< 0.05	3.0	0.051	1.40	30.1	21.8	1.66	853
403234	< 0.01	7.67	0.5	380	1.30	0.07	2.97	0.11	63.5	31.1	125	1.14	65.2	6.43	17.8	< 0.05	2.3	0.056	1.12	29.3	18.5	2.39	1160
403235	< 0.01	6.99	3.4	300	1.31	0.07	2.13	0.14	57.4	46.8	411	2.11	110	6.75	17.8	< 0.05	3.4	0.060	0.95	25.4	17.4	4.12	1290
403236	< 0.01	6.88	4.1	320	0.97	0.09	2.40	0.14	39.8	47.8	421	1.19	102	6.94	15.2	0.09	2.3	0.060	0.93	17.4	17.3	4.03	1210
403237	0.15	7.55	11.9	440	1.34	0.08	2.34	0.16	60.0	33.7	166	1.28	95.9	6.68	18.1	< 0.05	3.6	0.059	1.24	27.8	19.3	2.38	1130
403238	< 0.01	7.56	< 0.2	440	1.49	0.07	2.45	0.09	72.8	21.9	92	1.16	53.3	5.25	17.4	< 0.05	3.5	0.058	1.40	33.0	17.6	1.58	907
403239	< 0.01	7.54	< 0.2	380	1.14	0.07	2.59	0.11	58.7	28.3	98	0.92	75.0	6.30	16.3	< 0.05	1.7	0.055	1.16	24.3	15.1	2.02	1230
403240	< 0.01	7.43	1.3	380	1.04	0.07	2.43	0.11	57.2	27.8	129	1.01	86.6	6.20	16.8	< 0.05	2.7	0.056	1.20	24.9	17.1	2.05	1220
403241	< 0.01	7.47	0.4	410	1.33	0.06	2.44	0.09	62.9	24.1	89	0.98	69.4	5.93	18.1	< 0.05	2.6	0.065	1.28	27.1	15.7	1.70	1080
403242	< 0.01	7.79	< 0.2	390	1.13	0.07	2.47	0.09	53.2	27.0	107	1.01	86.4	6.58	17.9	< 0.05	2.1	0.054	1.17	23.0	15.4	2.09	1090
403243	< 0.01	7.63	< 0.2	380	1.21	0.15	2.58	0.18	60.7	28.0	114	1.29	73.4	6.13	17.7	< 0.05	2.1	0.061	1.17	29.4	19.6	2.08	1050
403244	< 0.01	7.63	< 0.2	410	1.54	0.06	2.79	0.12	67.1	21.9	89	0.90	55.5	5.77	17.8	< 0.05	2.6	0.061	1.29	28.7	15.4	1.74	1030
403245	< 0.01	7.67	< 0.2	430	1.28	0.06	2.35	0.08	62.1	23.5	91	1.00	70.3	5.99	18.2	< 0.05	2.4	0.062	1.32	27.5	16.3	1.73	1080
403246	< 0.01	7.66	< 0.2	400	1.15	0.07	2.67	0.12	59.6	24.2	82	0.90	62.9	5.96	18.4	< 0.05	2.2	0.064	1.22	25.3	15.5	1.83	1090
403247	< 0.01	7.79	1.0	400	1.19	0.06	2.43	0.09	57.0	25.0	132	1.05	73.7	6.26	18.2	< 0.05	2.9	0.060	1.22	25.1	17.1	1.97	1070
403248	< 0.01	7.05	< 0.2	420	1.29	0.06	2.75	0.13	68.3	22.2	98	0.96	54.9	5.48	18.0	< 0.05	4.0	0.054	1.27	28.5	15.6	1.63	1030
403249	< 0.01	7.36	0.2	510	1.68	0.09	2.02	0.14	75.8	19.6	123	1.64	37.7	4.60	17.6	< 0.05	3.8	0.052	1.73	34.5	20.5	1.35	857
403250	< 0.01	7.19	< 0.2	470	1.56	0.08	2.12	0.15	86.4	21.7	145	1.43	36.6	4.97	16.5	< 0.05	2.0	0.048	1.58	39.4	19.7	1.45	888
403251	< 0.01	7.54	< 0.2	530	1.65	0.09	1.98	0.15	74.6	24.5	139	1.77	47.2	5.12	16.6	< 0.05	3.0	0.052	1.82	33.2	21.0	1.53	957
403252	< 0.01	7.14	0.3	510	1.63	0.08	2.13	0.12	77.1	18.9	137	1.56	39.0	5.24	17.0	< 0.05	1.6	0.057	1.73	36.6	19.4	1.38	709
403253	< 0.01	7.04	< 0.2	540	1.99	0.06	2.14	0.09	81.6	14.5	86	1.08	23.8	3.84	15.3	< 0.05	2.1	0.043	1.74	36.4	15.0	1.04	750
403254	< 0.01	7.60	< 0.2	630	1.70	0.11	2.13	0.11	86.5	15.7	69	1.87	37.0	3.97	16.4	< 0.05	3.9	0.036	2.14	39.2	20.7	1.14	859
403255	< 0.01	7.80	0.7	450	1.64	0.07	2.05	0.20	79.8	26.9	155	1.48	68.4	6.35	17.4	< 0.05	3.1	0.067	1.40	34.4	19.1	1.72	1050
403256	< 0.01	7.94	0.9	630	1.58	0.12	1.77	0.12	73.4	16.0	64	2.07	28.6	4.23	17.1	< 0.05	4.7	0.039	2.24	33.7	21.4	1.14	615
403257	< 0.01	7.54	0.8	430	1.57	0.07	2.09	0.21	86.3	28.4	188	1.35	62.1	6.34	18.6	< 0.05	3.3	0.068	1.35	39.4	18.5	1.72	1210
403258	< 0.01	7.38	< 0.2	520	1.53	0.08	2.14	0.23	90.0	21.0	93	1.31	34.9	4.39	17.4	< 0.05	3.4	0.059	1.72	34.4	16.6	1.15	1310
403259	< 0.01	5.98	< 0.2	420	1.44	0.07	2.16	0.14	52.6	18.8	177	0.99	49.7	4.87	16.8	< 0.05	5.5	0.058	1.40	22.3	16.0	1.20	1010
403260	0.15	6.62	< 0.2	390	1.08	0.21	1.85	0.03	17.3	5.7	40	0.74	29.1	1.54	12.6	< 0.05	1.2	0.013	1.39	8.0	7.4	0.54	287
403261	< 0.01	7.56	< 0.2	440	1.52	0.06	2.05	0.20	76.1	24.5	131	1.09	49.5	5.78	17.7	< 0.05	1.7	0.058	1.42	31.7	17.5	1.52	1150
403262	< 0.01	7.54	< 0.2	500	1.55	0.08	1.80	0.20	75.3	23.0	110	1.43	46.8	5.43	16.9	< 0.05	1.0	0.057	1.58	32.5	18.2	1.40	1750

Analyte Symbol	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn
Unit Symbol	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5
Method Code	TD-MS	TD-ICP	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-ICP
403263	< 0.01	7.68	< 0.2	510	1.60	0.08	1.76	0.18	72.6	23.7	107	1.53	72.1	5.88	18.2	< 0.05	2.4	0.060	1.55	33.7	19.6	1.53	896
403264	< 0.01	7.29	< 0.2	430	1.50	0.05	2.15	0.16	85.8	20.5	146	0.83	44.0	5.50	16.6	< 0.05	2.3	0.054	1.27	35.4	14.1	1.39	1010
403265	< 0.01	7.36	< 0.2	450	1.42	0.06	2.28	0.13	81.0	18.0	105	0.91	94.8	4.76	17.4	< 0.05	3.8	0.061	1.43	34.6	14.1	1.11	951
403266	< 0.01	7.86	< 0.2	430	1.61	0.07	1.97	0.21	90.8	25.2	145	1.19	61.6	6.30	18.5	< 0.05	4.0	0.062	1.39	39.9	18.5	1.55	1200

Analyte Symbol	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y
Unit Symbol	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.05	0.01	0.1	0.2	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1	1	0.1	0.1
Method Code	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-ICP	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-MS	TD-MS
403095	0.29	2.26	2.7	45.5	960	14.7	52.4	< 0.002	< 0.01	0.09	15.3	< 1	< 0.2	289	< 0.05	< 0.05	9.0	0.286	0.37	3.1	78	< 0.1	17.9
403096	0.17	2.31	4.2	47.8	1330	14.8	62.9	< 0.002	< 0.01	0.09	16.0	< 1	1.8	303	0.21	< 0.05	9.8	0.313	0.40	2.7	90	0.2	17.6
403097	0.24	1.92	2.2	74.0	860	15.0	68.1	< 0.002	< 0.01	0.11	17.2	< 1	< 0.2	230	0.11	< 0.05	9.9	0.279	0.47	2.8	101	0.1	18.6
403098	0.13	2.07	1.4	62.5	740	15.9	56.4	< 0.002	0.01	0.07	16.0	< 1	0.3	253	0.06	< 0.05	9.4	0.330	0.43	2.5	96	0.1	15.3
403099	0.11	2.24	0.2	49.7	820	14.2	52.5	< 0.002	< 0.01	0.05	15.9	< 1	< 0.2	280	< 0.05	< 0.05	7.4	0.246	0.34	2.3	66	< 0.1	16.0
403100	0.18	0.13	0.4	48.4	420	25.5	60.4	< 0.002	0.04	< 0.05	13.8	2	0.5	45.4	< 0.05	< 0.05	14.4	0.260	0.38	3.0	92	< 0.1	13.6
403101	0.20	2.13	0.3	53.9	770	14.2	36.9	< 0.002	< 0.01	0.05	13.6	< 1	0.3	260	< 0.05	< 0.05	6.6	0.297	0.34	2.0	82	< 0.1	15.1
403102	0.22	2.16	0.5	66.9	870	14.9	38.4	< 0.002	< 0.01	< 0.05	14.6	< 1	0.6	244	< 0.05	< 0.05	6.8	0.387	0.40	2.3	106	< 0.1	15.6
403103	0.69	2.24	7.5	41.6	920	14.2	24.8	< 0.002	< 0.01	0.08	11.4	< 1	1.0	248	0.20	< 0.05	4.7	0.477	0.33	1.8	99	< 0.1	11.9
403104	0.16	1.97	0.1	66.3	570	14.5	51.5	< 0.002	0.03	< 0.05	17.4	< 1	0.3	240	< 0.05	< 0.05	8.9	0.303	0.36	3.3	89	< 0.1	17.9
403105	0.08	2.08	0.2	57.7	630	14.4	55.3	< 0.002	0.02	< 0.05	16.7	< 1	< 0.2	245	< 0.05	< 0.05	9.1	0.215	0.39	2.6	69	< 0.1	15.7
403106	0.08	1.95	0.9	75.8	800	16.4	62.6	< 0.002	< 0.01	0.07	17.4	< 1	< 0.2	224	< 0.05	< 0.05	10.0	0.132	0.43	2.9	51	< 0.1	18.0
403107	0.06	2.15	< 0.1	50.7	930	14.4	45.9	< 0.002	< 0.01	< 0.05	16.7	< 1	< 0.2	274	< 0.05	< 0.05	8.0	0.120	0.29	2.2	41	< 0.1	17.7
403108	0.05	1.92	0.1	96.1	940	9.7	40.9	< 0.002	< 0.01	< 0.05	21.2	< 1	< 0.2	314	< 0.05	< 0.05	6.5	0.156	0.23	1.6	75	< 0.1	16.1
403109	0.07	2.05	0.1	73.7	1070	13.3	63.0	< 0.002	< 0.01	< 0.05	17.9	< 1	< 0.2	287	< 0.05	< 0.05	8.5	0.109	0.34	1.9	47	< 0.1	18.9
403110	0.10	1.96	0.2	85.5	830	13.3	59.2	< 0.002	< 0.01	< 0.05	20.8	< 1	< 0.2	265	< 0.05	< 0.05	8.3	0.181	0.35	2.1	67	< 0.1	18.4
403111	0.30	1.94	5.4	86.1	860	15.3	61.0	< 0.002	< 0.01	0.13	17.8	< 1	0.4	244	0.24	< 0.05	10.8	0.341	0.41	2.8	98	0.2	19.1
403112	0.10	1.94	0.2	90.1	860	13.9	61.1	< 0.002	< 0.01	< 0.05	18.2	< 1	< 0.2	241	< 0.05	< 0.05	9.2	0.226	0.38	2.3	79	< 0.1	17.8
403113	0.15	1.99	1.4	73.4	850	14.9	57.4	< 0.002	< 0.01	0.05	17.9	< 1	0.2	241	0.06	< 0.05	9.2	0.314	0.39	2.6	94	< 0.1	17.8
403114	0.46	2.08	5.0	66.5	810	13.2	23.5	< 0.002	< 0.01	0.08	11.9	< 1	0.9	214	0.12	< 0.05	3.5	0.516	0.32	1.4	116	< 0.1	11.2
403115	0.25	2.03	0.1	67.4	830	13.9	51.1	< 0.002	< 0.01	< 0.05	16.3	< 1	0.4	260	< 0.05	< 0.05	7.3	0.305	0.32	2.2	88	< 0.1	16.9
403116	0.10	1.78	0.2	114	780	16.1	70.5	< 0.002	< 0.01	< 0.05	19.7	< 1	< 0.2	226	< 0.05	< 0.05	10.2	0.226	0.49	2.4	90	< 0.1	18.8
403117	0.05	1.91	< 0.1	112	710	11.4	55.0	< 0.002	< 0.01	0.05	24.0	< 1	< 0.2	286	< 0.05	< 0.05	6.7	0.135	0.31	1.9	64	< 0.1	18.3
403118	0.06	1.96	< 0.1	109	720	12.9	63.3	< 0.002	< 0.01	< 0.05	19.3	< 1	0.4	264	< 0.05	< 0.05	8.7	0.139	0.36	2.2	53	< 0.1	17.9
403119	0.13	1.94	0.1	105	730	10.0	55.0	< 0.002	< 0.01	0.05	18.9	< 1	0.4	262	< 0.05	< 0.05	6.7	0.161	0.30	1.8	55	0.1	17.0
403120	0.10	1.79	0.1	111	740	13.3	58.4	< 0.002	< 0.01	0.06	20.8	< 1	0.3	239	< 0.05	< 0.05	7.7	0.124	0.35	3.0	57	< 0.1	19.4
403121	0.13	1.77	0.2	110	600	13.4	61.6	< 0.002	0.01	0.12	19.6	< 1	0.7	234	< 0.05	< 0.05	7.9	0.167	0.38	2.2	59	< 0.1	16.3
403122	0.24	1.44	2.2	185	690	14.2	69.6	< 0.002	< 0.01	0.09	21.9	< 1	0.7	193	< 0.05	< 0.05	8.8	0.335	0.42	2.0	102	0.1	18.5
403123	0.11	1.59	0.1	172	720	14.3	72.1	0.006	< 0.01	< 0.05	21.1	< 1	< 0.2	202	< 0.05	< 0.05	8.4	0.127	0.43	2.4	54	< 0.1	18.3
403124	1.15	1.67	22.9	131	770	17.5	36.3	< 0.002	< 0.01	0.49	14.2	< 1	2.0	193	1.15	0.05	5.5	0.545	0.53	2.5	155	1.4	13.8
403125	0.14	1.89	0.6	108	740	15.6	82.7	< 0.002	< 0.01	< 0.05	16.0	< 1	< 0.2	205	< 0.05	< 0.05	10.0	0.245	0.51	2.6	90	0.1	17.8
403126	0.10	1.64	< 0.1	219	650	12.6	56.4	< 0.002	< 0.01	< 0.05	21.8	< 1	< 0.2	213	< 0.05	< 0.05	6.7	0.108	0.37	1.9	51	< 0.1	18.1
403127	0.08	1.99	0.2	105	850	14.7	52.0	< 0.002	< 0.01	< 0.05	18.4	< 1	< 0.2	253	< 0.05	< 0.05	8.0	0.136	0.34	2.3	52	< 0.1	18.4
403128	0.07	2.13	0.5	51.4	740	13.5	52.8	< 0.002	< 0.01	< 0.05	15.7	< 1	< 0.2	253	< 0.05	< 0.05	8.3	0.141	0.33	2.3	48	< 0.1	16.3
403129	0.08	1.91	0.2	80.4	650	16.5	73.4	< 0.002	< 0.01	< 0.05	17.0	< 1	0.4	232	< 0.05	< 0.05	8.7	0.132	0.41	2.4	49	< 0.1	17.2
403130	0.07	1.74	0.6	101	680	14.8	67.8	< 0.002	0.01	< 0.05	18.3	< 1	0.2	224	< 0.05	< 0.05	8.5	0.140	0.39	2.2	56	0.1	17.5
403131	0.10	2.13	0.1	80.2	930	13.7	53.8	< 0.002	< 0.01	< 0.05	16.3	< 1	< 0.2	254	< 0.05	< 0.05	9.4	0.109	0.34	2.2	44	< 0.1	17.5
403132	0.11	2.13	1.6	71.0	790	13.6	55.9	< 0.002	< 0.01	0.05	16.1	< 1	< 0.2	253	0.07	< 0.05	7.5	0.145	0.34	2.8	50	< 0.1	16.6
403133	0.16	2.20	0.3	72.3	950	13.7	52.9	< 0.002	< 0.01	< 0.05	16.7	< 1	< 0.2	279	< 0.05	< 0.05	8.0	0.103	0.32	2.2	41	< 0.1	17.7
403134	0.11	1.73	< 0.1	198	850	13.9	60.4	< 0.002	< 0.01	< 0.05	19.4	< 1	< 0.2	212	< 0.05	< 0.05	7.4	0.182	0.37	2.1	68	< 0.1	18.0
403135	0.08	2.07	0.2	54.2	920	13.3	57.9	< 0.002	< 0.01	< 0.05	15.3	< 1	< 0.2	258	< 0.05	< 0.05	7.4	0.146	0.35	2.3	47	< 0.1	16.6
403136	0.26	2.07	0.1	78.1	870	12.2	50.7	< 0.002	< 0.01	< 0.05	16.6	< 1	< 0.2	254	< 0.05	< 0.05	6.7	0.101	0.30	2.1	37	0.1	16.2

Analyte Symbol	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y
Unit Symbol	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.05	0.01	0.1	0.2	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1	1	0.1	0.1
Method Code	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-ICP	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-MS	TD-MS
403137	0.13	2.08	1.5	62.7	720	13.4	53.0	< 0.002	< 0.01	< 0.05	15.2	< 1	< 0.2	246	0.07	< 0.05	7.4	0.162	0.34	2.0	49	< 0.1	15.8
403138	0.08	1.86	0.1	147	680	11.9	52.1	< 0.002	< 0.01	0.05	17.0	< 1	0.3	226	< 0.05	< 0.05	6.2	0.141	0.33	1.9	53	< 0.1	16.9
403139	0.07	2.12	0.2	63.2	860	11.0	42.0	< 0.002	< 0.01	0.06	19.3	< 1	0.3	295	< 0.05	< 0.05	6.1	0.131	0.25	1.8	53	< 0.1	17.8
403140	0.07	2.60	0.2	20.9	240	8.1	41.0	< 0.002	< 0.01	< 0.05	6.9	< 1	< 0.2	387	< 0.05	< 0.05	1.4	0.167	0.23	0.4	39	< 0.1	7.5
403141	0.09	2.21	0.3	61.8	880	13.0	53.5	< 0.002	< 0.01	< 0.05	17.0	< 1	0.3	288	< 0.05	< 0.05	7.8	0.173	0.35	2.3	55	< 0.1	17.6
403142	0.22	2.14	2.3	56.7	970	12.5	28.1	< 0.002	< 0.01	< 0.05	12.6	< 1	0.5	232	< 0.05	< 0.05	4.0	0.362	0.30	1.3	95	< 0.1	12.9
403143	0.10	2.07	0.1	61.4	790	12.6	50.4	< 0.002	< 0.01	< 0.05	15.5	< 1	< 0.2	263	< 0.05	< 0.05	6.2	0.233	0.32	1.8	72	< 0.1	15.5
403144	< 0.05	2.20	0.1	71.0	1000	12.4	46.7	< 0.002	< 0.01	< 0.05	18.9	< 1	< 0.2	315	< 0.05	< 0.05	6.8	0.194	0.28	2.0	64	< 0.1	19.6
403145	0.07	2.14	0.2	65.9	920	11.6	47.8	< 0.002	< 0.01	< 0.05	19.6	< 1	0.2	297	< 0.05	< 0.05	6.6	0.136	0.27	2.0	55	< 0.1	18.9
403146	0.09	2.28	0.5	52.2	1000	13.2	53.3	< 0.002	< 0.01	< 0.05	15.3	< 1	< 0.2	283	< 0.05	< 0.05	7.3	0.136	0.33	2.3	47	< 0.1	18.1
403147	0.09	1.82	0.2	115	680	12.2	51.0	< 0.002	< 0.01	0.05	19.5	< 1	0.3	237	< 0.05	< 0.05	5.9	0.141	0.30	1.6	55	< 0.1	17.6
403148	0.12	1.96	0.3	97.8	860	13.9	57.5	< 0.002	< 0.01	< 0.05	18.4	< 1	0.2	248	< 0.05	< 0.05	7.9	0.158	0.35	1.8	54	< 0.1	18.2
403149	0.78	1.80	14.0	114	960	14.6	79.8	< 0.002	0.01	0.23	20.1	< 1	1.7	234	0.24	< 0.05	9.4	0.529	0.50	2.2	141	0.4	19.4
403150	0.24	2.01	1.2	89.3	890	10.3	41.2	< 0.002	< 0.01	0.14	20.5	< 1	0.7	306	< 0.05	< 0.05	5.5	0.326	0.25	1.6	89	< 0.1	19.0
403151	0.09	1.85	0.2	105	680	9.4	37.0	< 0.002	< 0.01	0.06	20.4	< 1	0.3	268	< 0.05	< 0.05	4.4	0.179	0.21	1.3	65	< 0.1	17.7
403152	1.58	1.78	15.6	90.8	840	10.5	24.3	< 0.002	< 0.01	0.88	19.2	< 1	1.8	264	0.87	0.14	4.2	0.629	0.29	1.5	180	1.7	15.6
403153	0.12	1.64	0.1	117	630	12.5	60.9	< 0.002	< 0.01	< 0.05	24.0	< 1	0.2	231	< 0.05	< 0.05	7.5	0.274	0.35	2.1	94	< 0.1	20.6
403154	0.15	2.12	0.1	66.3	860	16.4	64.3	< 0.002	< 0.01	< 0.05	14.8	< 1	< 0.2	236	< 0.05	< 0.05	9.3	0.237	0.41	2.7	72	< 0.1	17.0
403155	0.11	1.99	0.2	93.0	960	13.7	60.4	< 0.002	0.01	< 0.05	18.1	< 1	< 0.2	246	< 0.05	< 0.05	8.4	0.176	0.40	2.4	70	< 0.1	18.5
403156	0.06	2.12	0.1	75.9	820	13.2	48.5	< 0.002	0.01	< 0.05	15.1	< 1	< 0.2	279	< 0.05	< 0.05	7.6	0.101	0.30	1.9	41	< 0.1	14.7
403157	0.17	1.45	0.8	221	550	7.7	36.8	< 0.002	< 0.01	< 0.05	24.1	< 1	< 0.2	223	< 0.05	< 0.05	3.9	0.279	0.24	1.6	116	< 0.1	17.0
403158	0.25	1.62	2.3	208	710	8.3	40.4	< 0.002	< 0.01	0.12	22.4	< 1	0.8	263	< 0.05	< 0.05	4.1	0.414	0.26	1.1	124	< 0.1	17.4
403159	0.77	1.86	15.2	142	920	12.7	63.2	< 0.002	0.01	0.26	18.0	< 1	1.3	237	0.50	< 0.05	7.7	0.513	0.38	2.1	146	0.4	15.9
403160	0.18	2.65	0.7	20.5	250	7.7	36.5	< 0.002	< 0.01	< 0.05	6.6	< 1	0.3	369	< 0.05	< 0.05	1.7	0.149	0.23	0.4	32	< 0.1	7.0
403161	0.42	2.02	8.7	142	950	9.8	50.8	< 0.002	< 0.01	0.19	19.4	< 1	1.1	265	0.10	< 0.05	5.7	0.485	0.30	1.7	123	0.1	17.2
403162	0.46	2.05	5.9	111	990	11.1	42.3	< 0.002	< 0.01	0.19	21.1	< 1	0.9	320	0.08	< 0.05	5.6	0.420	0.26	1.7	121	0.1	17.2
403163	0.84	1.83	14.4	141	860	9.5	26.2	< 0.002	< 0.01	0.56	19.1	< 1	1.5	266	0.76	0.05	3.7	0.611	0.25	1.5	168	0.9	15.4
403164	0.10	1.44	0.1	303	660	8.5	42.6	< 0.002	< 0.01	< 0.05	25.6	< 1	< 0.2	220	< 0.05	< 0.05	4.8	0.154	0.31	1.1	79	< 0.1	18.1
403165	0.07	2.07	0.1	88.3	710	11.6	47.7	< 0.002	< 0.01	< 0.05	16.5	< 1	< 0.2	229	< 0.05	< 0.05	5.8	0.173	0.30	1.7	55	< 0.1	15.4
403166	0.05	2.25	0.3	45.2	680	13.4	53.9	< 0.002	< 0.01	< 0.05	14.2	< 1	< 0.2	250	< 0.05	< 0.05	7.3	0.140	0.32	2.4	45	< 0.1	15.6
403167	0.06	2.08	0.7	58.3	650	14.0	57.7	< 0.002	< 0.01	< 0.05	16.1	< 1	< 0.2	234	< 0.05	< 0.05	8.2	0.151	0.35	2.4	50	< 0.1	16.9
403168	0.12	1.45	0.6	278	570	8.6	32.5	< 0.002	0.01	0.06	23.7	< 1	< 0.2	230	< 0.05	< 0.05	4.6	0.188	0.23	1.1	78	< 0.1	15.0
403169	0.21	1.77	0.3	258	800	12.9	73.5	< 0.002	0.01	0.10	22.4	< 1	0.9	221	< 0.05	< 0.05	7.8	0.240	0.47	1.8	79	< 0.1	17.1
403170	0.25	1.92	0.3	163	1010	10.6	47.3	< 0.002	0.01	0.25	21.4	< 1	0.8	292	< 0.05	< 0.05	6.6	0.246	0.30	2.1	83	0.1	19.0
403171	0.62	1.67	15.5	324	940	11.0	55.4	< 0.002	< 0.01	0.21	21.3	< 1	1.0	211	< 0.05	< 0.05	6.6	0.431	0.44	1.3	113	< 0.1	16.7
403172	0.17	1.06	< 0.1	502	340	6.7	52.8	< 0.002	0.01	< 0.05	26.5	< 1	< 0.2	122	< 0.05	< 0.05	3.3	0.150	0.45	0.8	92	< 0.1	15.1
403173	0.28	0.84	0.1	611	390	5.7	48.2	< 0.002	0.02	< 0.05	25.6	< 1	< 0.2	112	< 0.05	< 0.05	2.1	0.159	0.49	0.7	117	< 0.1	13.6
403174	0.10	1.66	< 0.1	228	740	10.9	35.4	< 0.002	0.02	< 0.05	23.5	< 1	< 0.2	199	< 0.05	< 0.05	5.6	0.109	0.27	1.6	62	< 0.1	18.1
403175	0.11	1.77	0.7	298	650	9.5	30.9	< 0.002	< 0.01	0.07	22.3	< 1	< 0.2	221	< 0.05	< 0.05	4.6	0.206	0.19	1.2	60	< 0.1	17.3
403176	0.15	1.72	1.1	332	680	10.8	34.3	< 0.002	< 0.01	0.08	23.3	< 1	< 0.2	217	< 0.05	< 0.05	5.4	0.236	0.21	1.4	73	< 0.1	17.6
403177	0.15	1.74	0.5	265	820	10.9	36.2	< 0.002	0.01	0.07	24.0	< 1	0.2	227	< 0.05	< 0.05	5.4	0.255	0.23	1.2	78	< 0.1	18.2
403178	0.07	1.83	0.1	234	640	9.9	31.0	< 0.002	< 0.01	0.08	22.2	< 1	0.3	228	< 0.05	< 0.05	5.3	0.157	0.19	1.3	55	< 0.1	17.5

Analyte Symbol	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y
Unit Symbol	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.05	0.01	0.1	0.2	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1	1	0.1	0.1
Method Code	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-ICP	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-MS	TD-MS
403179	0.13	1.59	< 0.1	293	680	10.2	35.3	< 0.002	< 0.01	< 0.05	25.1	< 1	0.6	213	< 0.05	< 0.05	4.6	0.122	0.23	1.0	61	< 0.1	16.8
403180	0.68	1.50	15.0	317	710	10.1	34.3	< 0.002	< 0.01	0.90	23.7	< 1	1.3	200	0.79	0.06	4.6	0.592	0.25	0.9	174	1.0	16.0
403181	0.10	1.82	< 0.1	213	680	11.5	35.5	< 0.002	< 0.01	< 0.05	21.6	< 1	< 0.2	242	< 0.05	< 0.05	5.7	0.207	0.22	1.4	71	< 0.1	18.5
403182	0.07	2.00	< 0.1	157	750	10.9	35.2	< 0.002	0.01	< 0.05	21.4	< 1	< 0.2	228	< 0.05	< 0.05	6.1	0.170	0.22	1.6	60	< 0.1	17.5
403183	0.05	2.02	< 0.1	134	690	10.7	34.7	< 0.002	< 0.01	< 0.05	18.9	< 1	< 0.2	237	< 0.05	< 0.05	5.6	0.129	0.22	1.6	52	< 0.1	17.9
403184	0.05	2.19	0.2	103	810	12.6	39.9	< 0.002	< 0.01	< 0.05	18.1	< 1	< 0.2	268	< 0.05	< 0.05	7.6	0.110	0.27	1.7	43	< 0.1	18.3
403185	0.08	2.03	0.2	152	1050	10.2	35.1	< 0.002	< 0.01	0.20	17.6	< 1	0.7	238	< 0.05	< 0.05	5.6	0.203	0.21	2.0	63	< 0.1	18.1
403186	0.21	1.97	1.7	191	940	11.2	34.7	< 0.002	< 0.01	0.17	19.7	< 1	0.8	227	< 0.05	< 0.05	6.5	0.373	0.23	1.6	90	< 0.1	18.4
403187	0.47	2.00	10.1	210	1070	11.9	33.8	< 0.002	< 0.01	0.45	21.2	< 1	1.2	248	0.08	< 0.05	5.9	0.647	0.22	1.7	145	0.2	19.5
403188	0.58	1.76	20.9	417	920	9.5	31.5	< 0.002	0.02	0.76	20.7	< 1	1.1	209	0.92	0.05	4.9	0.568	0.21	1.3	157	0.7	19.1
403189	0.51	1.64	20.2	257	780	9.4	32.0	< 0.002	0.02	0.29	20.9	< 1	0.8	188	0.58	< 0.05	4.9	0.572	0.20	1.3	159	0.5	18.1
403190	0.08	1.63	< 0.1	281	730	9.7	33.6	< 0.002	< 0.01	< 0.05	22.2	< 1	< 0.2	191	< 0.05	< 0.05	5.1	0.102	0.22	1.4	55	< 0.1	18.0
403191	0.20	1.93	3.0	150	820	11.3	28.6	< 0.002	< 0.01	< 0.05	17.7	< 1	0.3	225	< 0.05	< 0.05	10.3	0.417	0.25	1.6	109	< 0.1	16.3
403192	0.08	1.97	< 0.1	141	670	10.7	38.4	< 0.002	0.02	< 0.05	19.5	< 1	< 0.2	230	< 0.05	< 0.05	11.3	0.256	0.23	1.6	82	< 0.1	16.6
403193	0.06	2.04	0.2	108	850	11.5	34.2	< 0.002	0.01	< 0.05	21.0	< 1	< 0.2	247	< 0.05	< 0.05	6.5	0.176	0.23	10.0	63	< 0.1	18.6
403194	0.06	1.86	0.1	185	750	12.1	39.0	< 0.002	0.02	< 0.05	20.3	< 1	< 0.2	230	< 0.05	< 0.05	5.8	0.133	0.25	1.5	58	< 0.1	15.6
403195	0.24	1.22	0.1	278	980	9.4	70.3	< 0.002	0.02	0.06	16.4	< 1	< 0.2	158	< 0.05	< 0.05	6.6	0.219	0.63	2.5	103	< 0.1	16.4
403196	< 0.05	2.09	0.1	117	900	12.3	46.8	< 0.002	< 0.01	< 0.05	17.0	< 1	< 0.2	219	< 0.05	< 0.05	7.3	0.098	0.29	1.7	41	< 0.1	17.4
403197	0.18	1.85	0.9	151	860	12.9	55.2	< 0.002	0.02	0.17	19.3	< 1	0.8	210	< 0.05	< 0.05	8.9	0.297	0.36	1.9	81	< 0.1	17.5
403198	0.18	1.99	1.4	127	870	13.5	56.9	< 0.002	< 0.01	0.14	18.9	< 1	0.9	236	< 0.05	< 0.05	7.9	0.356	0.33	1.8	85	< 0.1	17.0
403199	0.33	1.59	4.1	178	1020	11.9	69.6	< 0.002	< 0.01	0.09	16.1	< 1	0.6	184	< 0.05	< 0.05	8.6	0.378	0.42	1.9	104	0.1	17.1
403200	0.16	0.13	0.1	49.4	390	24.5	53.4	< 0.002	0.05	0.13	14.0	1	0.6	45.1	< 0.05	< 0.05	14.7	0.174	0.32	3.0	65	< 0.1	13.2
403201	0.11	1.81	< 0.1	186	880	12.3	43.6	< 0.002	0.02	< 0.05	19.6	< 1	< 0.2	203	< 0.05	< 0.05	6.4	0.121	0.27	1.5	61	< 0.1	15.5
403202	0.58	1.85	28.3	222	860	10.7	21.8	< 0.002	< 0.01	0.71	18.6	< 1	1.3	215	1.28	0.06	3.9	0.668	0.25	1.5	152	1.1	14.4
403203	0.08	2.05	0.2	53.9	870	11.3	40.6	< 0.002	< 0.01	< 0.05	18.2	< 1	< 0.2	312	< 0.05	< 0.05	6.3	0.185	0.25	1.5	69	< 0.1	19.3
403204	< 0.05	2.10	0.1	55.4	730	10.5	37.0	< 0.002	< 0.01	< 0.05	19.9	< 1	< 0.2	294	< 0.05	< 0.05	5.5	0.128	0.23	1.5	53	< 0.1	17.7
403205	0.07	1.97	1.0	62.5	790	11.5	43.1	< 0.002	0.01	< 0.05	20.9	< 1	< 0.2	263	< 0.05	< 0.05	7.0	0.171	0.24	2.2	70	< 0.1	19.1
403206	0.10	1.28	0.2	362	730	8.1	29.8	< 0.002	0.01	< 0.05	24.6	< 1	< 0.2	174	< 0.05	< 0.05	4.2	0.157	0.15	1.0	72	< 0.1	19.4
403207	0.19	1.05	0.9	750	360	4.6	23.4	< 0.002	< 0.01	0.19	29.4	< 1	< 0.2	75.3	< 0.05	< 0.05	1.3	0.277	0.21	0.3	146	< 0.1	15.5
403208	0.13	1.52	1.1	424	550	6.3	24.2	< 0.002	0.01	0.10	31.2	< 1	< 0.2	169	< 0.05	< 0.05	2.7	0.281	0.16	0.7	111	< 0.1	19.5
403209	0.19	1.43	1.4	326	760	10.0	26.8	< 0.002	0.02	0.09	27.7	< 1	< 0.2	158	< 0.05	< 0.05	4.0	0.279	0.17	1.1	104	< 0.1	18.0
403210	0.08	2.06	0.2	58.8	1040	13.5	50.5	< 0.002	< 0.01	< 0.05	19.7	< 1	< 0.2	249	< 0.05	< 0.05	7.7	0.108	0.31	2.1	44	< 0.1	19.3
403211	0.10	2.16	0.1	55.0	840	12.0	50.1	< 0.002	< 0.01	< 0.05	20.2	< 1	< 0.2	273	< 0.05	< 0.05	7.7	0.216	0.29	1.8	73	< 0.1	19.4
403212	0.16	1.72	0.1	80.7	1020	15.0	47.5	< 0.002	0.05	< 0.05	17.5	< 1	< 0.2	217	< 0.05	< 0.05	8.3	0.196	0.33	1.8	88	< 0.1	17.9
403213	0.06	2.18	0.9	42.0	860	11.2	38.4	< 0.002	< 0.01	< 0.05	18.5	< 1	< 0.2	283	< 0.05	0.05	6.1	0.154	0.23	1.6	56	< 0.1	18.4
403214	0.06	1.99	0.2	80.8	890	10.6	38.0	< 0.002	< 0.01	< 0.05	21.9	< 1	< 0.2	256	< 0.05	< 0.05	5.8	0.103	0.22	1.4	44	< 0.1	19.5
403215	0.06	2.14	0.2	68.7	950	10.1	37.3	< 0.002	< 0.01	< 0.05	21.4	< 1	< 0.2	266	< 0.05	< 0.05	5.7	0.134	0.21	1.5	46	< 0.1	20.1
403216	0.07	2.18	0.2	61.4	940	11.1	37.3	< 0.002	< 0.01	< 0.05	21.9	< 1	0.2	295	< 0.05	0.12	6.2	0.140	0.21	1.8	47	< 0.1	20.6
403217	0.20	2.09	0.5	51.8	1010	11.8	36.6	< 0.002	< 0.01	< 0.05	21.2	< 1	< 0.2	286	< 0.05	< 0.05	7.8	0.140	0.23	1.8	50	0.2	21.5
403218	0.11	1.72	0.3	128	780	10.5	36.7	< 0.002	< 0.01	< 0.05	24.5	< 1	< 0.2	225	< 0.05	< 0.05	5.4	0.162	0.22	1.3	70	< 0.1	20.8
403219	0.09	2.08	0.3	63.5	980	10.1	32.8	< 0.002	< 0.01	< 0.05	22.3	< 1	< 0.2	280	< 0.05	< 0.05	5.9	0.260	0.20	1.5	81	< 0.1	20.5
403220	0.14	0.09	0.1	236	340	21.7	37.3	< 0.002	0.04	< 0.05	47.0	1	< 0.2	31.9	< 0.05	< 0.05	14.0	0.105	0.25	2.9	91	< 0.1	10.9

Analyte Symbol	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y
Unit Symbol	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.05	0.01	0.1	0.2	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1	1	0.1	0.1
Method Code	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-ICP	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-MS	TD-MS
403221	0.08	2.12	0.2	55.1	950	10.3	34.8	< 0.002	< 0.01	< 0.05	23.3	< 1	< 0.2	291	< 0.05	< 0.05	5.4	0.135	0.20	1.5	58	< 0.1	20.4
403222	0.05	2.13	0.2	57.7	900	10.2	33.3	< 0.002	< 0.01	< 0.05	24.2	< 1	2.0	289	< 0.05	< 0.05	5.8	0.153	0.20	1.6	73	< 0.1	21.7
403223	< 0.05	2.19	0.2	50.8	970	10.2	29.4	< 0.002	< 0.01	< 0.05	22.6	< 1	< 0.2	295	< 0.05	< 0.05	5.3	0.104	0.17	1.4	44	< 0.1	21.1
403224	0.13	1.99	0.3	84.8	850	12.4	33.9	< 0.002	< 0.01	0.57	25.4	< 1	0.8	288	< 0.05	< 0.05	5.6	0.184	0.19	1.9	70	< 0.1	22.1
403225	0.23	2.08	3.6	59.5	950	11.6	40.6	< 0.002	< 0.01	0.11	20.2	< 1	0.6	269	< 0.05	< 0.05	6.4	0.358	0.25	1.6	99	< 0.1	18.8
403226	0.59	1.91	17.8	114	950	11.3	37.3	< 0.002	0.01	0.40	20.2	< 1	1.2	257	0.25	< 0.05	6.4	0.570	0.22	1.8	150	0.2	18.4
403227	0.39	1.96	1.0	142	1150	12.0	42.5	< 0.002	0.04	0.14	18.4	< 1	0.9	258	< 0.05	< 0.05	8.0	0.398	0.27	2.4	115	< 0.1	19.0
403228	0.09	1.60	0.2	285	610	9.1	28.9	< 0.002	0.02	< 0.05	23.9	< 1	< 0.2	228	< 0.05	< 0.05	5.5	0.160	0.19	1.2	69	< 0.1	18.4
403229	0.22	1.94	2.4	276	850	10.6	30.2	< 0.002	< 0.01	0.15	18.7	< 1	0.4	253	< 0.05	< 0.05	4.5	0.402	0.25	1.1	112	0.1	14.6
403230	0.10	1.51	< 0.1	382	710	9.1	33.9	< 0.002	0.01	< 0.05	26.5	< 1	< 0.2	206	< 0.05	< 0.05	4.9	0.247	0.20	1.0	107	< 0.1	16.7
403231	< 0.05	2.07	< 0.1	71.7	870	10.1	33.4	< 0.002	< 0.01	< 0.05	23.8	< 1	< 0.2	284	< 0.05	< 0.05	5.4	0.177	0.20	1.5	70	< 0.1	21.0
403232	< 0.05	2.10	0.2	56.5	880	11.4	36.9	< 0.002	< 0.01	< 0.05	20.8	< 1	< 0.2	279	< 0.05	< 0.05	6.5	0.131	0.22	2.0	55	< 0.1	19.2
403233	0.10	1.97	0.1	61.6	770	13.7	52.8	< 0.002	0.01	< 0.05	18.3	< 1	< 0.2	251	< 0.05	< 0.05	8.4	0.104	0.32	2.0	47	< 0.1	17.3
403234	0.14	1.93	0.4	94.8	840	10.6	31.9	< 0.002	0.01	0.18	24.3	< 1	0.5	271	< 0.05	< 0.05	5.5	0.213	0.20	1.7	76	< 0.1	20.2
403235	0.20	1.67	3.1	315	760	9.4	31.1	< 0.002	0.01	0.09	24.9	< 1	0.2	215	< 0.05	< 0.05	5.1	0.403	0.21	1.3	130	< 0.1	19.5
403236	0.29	1.46	2.9	294	650	7.3	26.1	< 0.002	0.01	0.10	29.1	< 1	0.4	195	0.06	< 0.05	3.3	0.422	0.17	0.9	148	< 0.1	17.9
403237	0.68	1.84	29.5	114	970	11.9	37.9	< 0.002	0.02	0.45	24.4	< 1	1.2	245	0.58	< 0.05	6.8	0.598	0.24	1.9	174	0.3	19.2
403238	0.10	2.12	0.8	51.3	1020	11.7	40.2	< 0.002	0.01	0.08	20.3	< 1	0.5	288	< 0.05	< 0.05	6.6	0.261	0.25	1.7	74	< 0.1	20.0
403239	< 0.05	1.94	0.1	76.4	900	9.1	30.6	< 0.002	< 0.01	< 0.05	24.9	< 1	< 0.2	258	< 0.05	< 0.05	4.4	0.132	0.16	1.2	60	< 0.1	20.4
403240	0.09	1.88	0.1	77.6	890	9.3	38.1	< 0.002	< 0.01	< 0.05	22.5	< 1	< 0.2	233	< 0.05	< 0.05	4.7	0.170	0.20	1.1	72	< 0.1	20.2
403241	0.08	1.96	0.3	55.4	1010	12.1	33.7	< 0.002	< 0.01	< 0.05	24.6	< 1	< 0.2	261	< 0.05	< 0.05	5.3	0.196	0.18	1.3	68	< 0.1	22.3
403242	0.09	1.90	0.4	74.6	900	8.8	31.1	< 0.002	0.01	< 0.05	25.9	< 1	< 0.2	245	< 0.05	< 0.05	4.3	0.151	0.16	1.3	63	< 0.1	21.7
403243	0.15	1.90	0.3	75.1	770	10.6	42.2	< 0.002	0.02	< 0.05	22.2	< 1	0.3	243	< 0.05	< 0.05	7.0	0.179	0.23	2.4	66	0.1	18.1
403244	0.09	2.12	0.5	50.6	940	10.2	34.0	< 0.002	< 0.01	< 0.05	23.9	< 1	< 0.2	271	< 0.05	< 0.05	5.5	0.153	0.18	1.4	51	0.1	22.9
403245	0.09	1.97	0.5	51.1	930	9.6	36.9	< 0.002	< 0.01	< 0.05	23.8	< 1	< 0.2	249	< 0.05	< 0.05	5.1	0.144	0.19	1.4	48	0.1	23.6
403246	0.08	2.03	0.4	54.1	960	9.3	32.5	< 0.002	< 0.01	< 0.05	25.6	< 1	< 0.2	259	< 0.05	< 0.05	4.9	0.148	0.17	1.5	52	< 0.1	22.2
403247	0.08	1.96	0.6	61.9	860	9.0	35.0	< 0.002	0.01	< 0.05	24.2	< 1	< 0.2	250	< 0.05	< 0.05	5.0	0.179	0.19	1.3	62	< 0.1	21.0
403248	0.13	2.10	0.7	47.2	1070	10.5	34.0	< 0.002	< 0.01	< 0.05	21.9	< 1	0.2	270	< 0.05	< 0.05	5.6	0.295	0.21	1.5	87	< 0.1	20.4
403249	0.10	2.13	2.0	44.2	940	13.7	51.7	< 0.002	< 0.01	< 0.05	16.8	< 1	< 0.2	252	0.08	< 0.05	8.1	0.288	0.32	1.9	79	< 0.1	18.9
403250	0.07	2.10	0.4	48.8	1030	13.0	49.0	< 0.002	< 0.01	< 0.05	17.9	< 1	< 0.2	252	< 0.05	< 0.05	8.8	0.215	0.30	1.9	65	< 0.1	20.0
403251	0.17	2.04	2.7	54.0	880	13.4	52.1	< 0.002	< 0.01	0.06	18.1	< 1	< 0.2	239	0.11	< 0.05	8.2	0.242	0.33	1.9	70	0.2	19.8
403252	0.14	2.16	2.2	58.2	970	13.4	55.4	< 0.002	< 0.01	< 0.05	16.0	< 1	< 0.2	250	0.09	< 0.05	9.3	0.196	0.34	2.5	57	< 0.1	17.9
403253	0.07	2.35	1.6	31.0	860	13.2	44.9	< 0.002	< 0.01	< 0.05	13.8	< 1	< 0.2	291	0.07	< 0.05	8.1	0.167	0.27	2.3	41	< 0.1	17.2
403254	0.08	2.24	0.3	36.4	870	16.1	62.6	< 0.002	< 0.01	< 0.05	13.5	< 1	0.3	299	< 0.05	< 0.05	9.9	0.174	0.39	1.6	46	< 0.1	17.2
403255	0.23	1.96	0.8	56.9	980	10.4	42.3	< 0.002	< 0.01	0.14	22.5	< 1	0.8	205	< 0.05	< 0.05	6.9	0.378	0.26	1.9	94	< 0.1	22.9
403256	0.40	2.19	5.2	37.9	850	15.5	67.0	< 0.002	< 0.01	0.36	14.2	< 1	1.3	290	0.10	< 0.05	9.5	0.429	0.39	1.7	99	0.2	15.6
403257	0.13	1.98	0.5	59.9	1110	11.0	40.2	< 0.002	< 0.01	0.20	21.7	< 1	0.7	219	< 0.05	< 0.05	7.2	0.242	0.28	1.9	74	< 0.1	24.0
403258	< 0.05	2.22	0.7	40.6	850	14.1	47.3	< 0.002	< 0.01	< 0.05	16.5	< 1	< 0.2	282	< 0.05	< 0.05	8.3	0.169	0.28	1.8	47	< 0.1	19.2
403259	0.15	2.21	0.6	37.7	890	11.8	26.9	< 0.002	< 0.01	< 0.05	15.0	< 1	0.4	233	< 0.05	< 0.05	4.6	0.368	0.26	1.0	86	0.1	15.4
403260	0.20	2.67	1.9	20.0	200	7.9	40.7	< 0.002	< 0.01	0.24	5.6	< 1	0.5	356	0.05	0.20	1.3	0.156	0.22	0.3	40	0.1	5.8
403261	0.08	2.04	1.0	46.6	810	9.9	38.5	< 0.002	< 0.01	< 0.05	21.4	< 1	< 0.2	229	< 0.05	< 0.05	6.1	0.185	0.23	1.5	59	< 0.1	21.6
403262	< 0.05	1.97	0.4	45.1	680	12.3	46.4	< 0.002	< 0.01	< 0.05	18.8	< 1	< 0.2	230	< 0.05	< 0.05	7.5	0.128	0.27	1.7	47	< 0.1	20.8

Analyte Symbol	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y
Unit Symbol	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.05	0.01	0.1	0.2	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1	1	0.1	0.1
Method Code	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-ICP	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-MS	TD-MS
403263	0.05	1.94	0.4	44.4	910	12.2	46.0	< 0.002	< 0.01	0.06	21.1	< 1	0.3	235	< 0.05	< 0.05	7.1	0.195	0.27	1.8	66	< 0.1	21.8
403264	0.06	2.29	0.6	37.1	1050	10.0	32.3	< 0.002	< 0.01	0.07	20.2	< 1	0.8	245	< 0.05	< 0.05	6.5	0.153	0.19	1.6	41	< 0.1	22.1
403265	0.07	2.23	0.5	28.2	970	11.5	36.9	< 0.002	< 0.01	0.09	18.8	< 1	1.1	299	< 0.05	< 0.05	6.7	0.208	0.21	1.7	49	< 0.1	21.9
403266	0.22	2.00	1.3	47.1	1060	11.5	41.3	< 0.002	< 0.01	0.22	22.8	< 1	0.8	239	< 0.05	< 0.05	7.8	0.430	0.25	2.0	105	< 0.1	23.3

Analyte Symbol	Zn	Zr	Au
Unit Symbol	ppm	ppm	g/mt
Lower Limit	2	0.5	0.005
Method Code	TD-ICP	TD-MS	FA-AA
403095	76	140	< 0.005
403096	84	87.6	0.005
403097	119	142	0.013
403098	86	165	< 0.005
403099	74	183	< 0.005
403100	49	156	< 0.005
403101	73	190	0.005
403102	91	196	0.009
403103	65	177	< 0.005
403104	97	168	< 0.005
403105	79	153	< 0.005
403106	107	118	0.007
403107	68	125	< 0.005
403108	71	89.3	0.012
403109	77	100	0.012
403110	79	130	0.011
403111	100	137	< 0.005
403112	95	150	< 0.005
403113	91	151	0.007
403114	74	195	< 0.005
403115	77	162	< 0.005
403116	119	127	0.007
403117	82	75.0	0.013
403118	79	90.3	0.006
403119	79	79.6	0.008
403120	99	75.5	0.008
403121	92	81.0	0.022
403122	99	108	0.039
403123	97	86.4	0.014
403124	124	174	< 0.005
403125	116	143	< 0.005
403126	89	75.2	0.011
403127	76	145	0.018
403128	69	124	< 0.005
403129	87	72.4	0.025
403130	84	94.1	0.023
403131	83	112	< 0.005
403132	80	121	< 0.005
403133	73	131	< 0.005
403134	74	136	0.016
403135	78	101	0.006
403136	74	103	< 0.005

Analyte Symbol	Zn	Zr	Au
Unit Symbol	ppm	ppm	g/mt
Lower Limit	2	0.5	0.005
Method Code	TD-ICP	TD-MS	FA-AA
403137	78	119	< 0.005
403138	75	96.7	< 0.005
403139	71	78.0	< 0.005
403140	20	95.3	0.011
403141	81	125	< 0.005
403142	77	173	< 0.005
403143	75	134	< 0.005
403144	72	135	< 0.005
403145	72	105	< 0.005
403146	76	126	< 0.005
403147	79	65.7	0.014
403148	87	135	0.016
403149	87	153	0.052
403150	77	133	0.029
403151	74	70.4	0.027
403152	90	124	0.062
403153	78	131	0.046
403154	92	142	< 0.005
403155	98	123	0.010
403156	88	95.5	< 0.005
403157	83	89.0	0.009
403158	78	106	0.009
403159	105	138	< 0.005
403160	22	80.1	< 0.005
403161	75	128	0.007
403162	76	147	< 0.005
403163	83	144	0.008
403164	96	60.0	0.026
403165	70	149	0.010
403166	66	81.7	< 0.005
403167	80	114	< 0.005
403168	98	70.3	< 0.005
403169	85	98.9	< 0.005
403170	93	93.2	0.005
403171	88	135	0.012
403172	80	52.3	0.007
403173	78	63.7	0.006
403174	115	54.4	0.008
403175	77	120	0.008
403176	85	96.9	0.012
403177	84	108	0.012
403178	71	71.3	0.007

Analyte Symbol	Zn	Zr	Au
Unit Symbol	ppm	ppm	g/mt
Lower Limit	2	0.5	0.005
Method Code	TD-ICP	TD-MS	FA-AA
403179	87	79.2	0.022
403180	83	130	< 0.005
403181	77	140	0.013
403182	73	142	0.006
403183	70	101	0.023
403184	72	123	0.006
403185	72	85.9	0.022
403186	80	151	0.007
403187	96	174	0.009
403188	81	139	0.007
403189	74	142	0.008
403190	81	77.7	0.006
403191	82	181	0.006
403192	70	154	0.005
403193	72	102	< 0.005
403194	75	118	0.006
403195	188	59.4	0.027
403196	79	115	0.006
403197	86	118	0.008
403198	75	162	0.018
403199	93	134	0.011
403200	49	114	< 0.005
403201	76	125	0.006
403202	70	191	0.007
403203	122	132	0.015
403204	85	122	0.009
403205	83	113	< 0.005
403206	96	77.8	0.007
403207	74	82.9	0.007
403208	87	80.9	0.006
403209	107	91.2	0.012
403210	93	123	0.019
403211	78	40.7	0.014
403212	99	136	< 0.005
403213	69	104	0.020
403214	75	111	0.026
403215	77	95.7	0.015
403216	68	127	0.030
403217	78	135	0.034
403218	104	80.3	0.009
403219	75	138	0.047
403220	47	49.0	0.023

Analyte Symbol	Zn	Zr	Au
Unit Symbol	ppm	ppm	g/mt
Lower Limit	2	0.5	0.005
Method Code	TD-ICP	TD-MS	FA-AA
403221	75	107	< 0.005
403222	81	72.6	0.008
403223	68	92.0	0.008
403224	117	68.7	0.024
403225	81	161	0.015
403226	87	166	0.009
403227	125	154	0.006
403228	93	91.6	0.010
403229	75	184	0.006
403230	87	136	0.009
403231	80	106	0.006
403232	80	127	< 0.005
403233	82	119	0.006
403234	91	91.4	0.008
403235	92	147	0.098
403236	90	94.0	0.009
403237	106	153	0.010
403238	81	144	< 0.005
403239	85	67.2	0.018
403240	89	102	0.006
403241	90	117	0.013
403242	90	91.1	0.011
403243	91	81.4	0.043
403244	80	110	< 0.005
403245	87	92.8	0.019
403246	85	90.4	< 0.005
403247	87	117	< 0.005
403248	77	166	< 0.005
403249	80	166	0.007
403250	86	116	< 0.005
403251	88	138	0.006
403252	84	89.2	< 0.005
403253	59	101	< 0.005
403254	72	158	< 0.005
403255	108	121	0.008
403256	74	184	0.005
403257	109	137	< 0.005
403258	71	143	0.005
403259	75	203	< 0.005
403260	24	50.3	< 0.005
403261	93	88.9	< 0.005
403262	100	54.2	< 0.005

Analyte Symbol	Zn	Zr	Au
Unit Symbol	ppm	ppm	g/mt
Lower Limit	2	0.5	0.005
Method Code	TD-ICP	TD-MS	FA-AA
403263	111	93.0	< 0.005
403264	94	93.2	< 0.005
403265	79	153	< 0.005
403266	108	154	0.007

Analyte Symbol	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn
Unit Symbol	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5
Method Code	TD-MS	TD-ICP	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-ICP
GXR-1 Meas	29.9	2.13	385	630	1.08	1360	0.89	2.58	14.2	7.7	11	2.63	1160	24.0	8.21		0.4	0.729	0.05	7.2	7.3	0.20	892
GXR-1 Cert	31.0	3.52	427	750	1.22	1380	0.960	3.30	17.0	8.20	12.0	3.00	1110	23.6	13.8		0.960	0.770	0.050	7.50	8.20	0.217	852
GXR-1 Meas	29.2	2.01	392	640	1.11	1380	0.92	2.67	14.5	8.1	13	2.74	1110	24.4	6.89		0.5	0.751	0.05	7.0	7.2	0.21	918
GXR-1 Cert	31.0	3.52	427	750	1.22	1380	0.960	3.30	17.0	8.20	12.0	3.00	1110	23.6	13.8		0.960	0.770	0.050	7.50	8.20	0.217	852
DH-1a Meas																							
DH-1a Cert																							
DH-1a Meas																							
DH-1a Cert																							
GXR-4 Meas	3.18	6.96	92.9	170	1.90	17.2	1.08	0.25	103	14.5	34	2.47	6300	3.17	18.1		1.3	0.195	4.00	52.0	10.4	1.70	155
GXR-4 Cert	4.00	7.20	98.0	1640	1.90	19.0	1.01	0.860	102	14.6	64.0	2.80	6520	3.09	20.0		6.30	0.270	4.01	64.5	11.1	1.66	155
GXR-4 Meas	3.09	6.98	93.4	170	1.88	17.6	1.10	0.10	105	13.1	44	2.52	5930	3.13	16.9		1.2	0.185	4.42	52.0	10.6	1.68	156
GXR-4 Cert	4.00	7.20	98.0	1640	1.90	19.0	1.01	0.860	102	14.6	64.0	2.80	6520	3.09	20.0		6.30	0.270	4.01	64.5	11.1	1.66	155
SDC-1 Meas		8.49	< 0.2	630	2.82		1.10		82.3	17.6	37	3.73	28.6	4.81	20.7		1.3		2.86	36.8	32.2	0.98	899
SDC-1 Cert		8.34	0.220	630	3.00		1.00		93.00	18.0	64.00	4.00	30.000	4.82	21.00		8.30		2.72	42.00	34.0	1.02	880.00
SDC-1 Meas		8.47	< 0.2	620	3.02		1.11		85.4	18.4	37	3.79	29.6	4.88	20.9		1.0		2.26	36.9	34.7	0.99	898
SDC-1 Cert		8.34	0.220	630	3.00		1.00		93.00	18.0	64.00	4.00	30.000	4.82	21.00		8.30		2.72	42.00	34.0	1.02	880.00
GXR-6 Meas	0.17	13.5	263	1260	1.11	0.16	0.19	0.13	32.7	13.4	39	3.96	76.4	5.48	27.3		2.2	0.060	1.99	11.4	36.1	0.60	1040
GXR-6 Cert	1.30	17.7	330	1300	1.40	0.290	0.180	1.00	36.0	13.8	96.0	4.20	66.0	5.58	35.0		4.30	0.260	1.87	13.9	32.0	0.609	1010
GXR-6 Meas	0.18		220		1.07	0.16		0.08	31.0	13.8		3.84	68.1		27.5		2.1	0.061		11.3	35.0		
GXR-6 Cert	1.30		330		1.40	0.290		1.00	36.0	13.8		4.20	66.0		35.0		4.30	0.260		13.9	32.0		
DNC-1a Meas				90						56.1	235		102		14.0					3.8	4.7		
DNC-1a Cert				118						57	270		100		15					3.6	5.2		
DNC-1a Meas				90						56.6	121		92.2		14.4					3.4	4.4		
DNC-1a Cert				118						57	270		100		15					3.6	5.2		
SBC-1 Meas			20.9	540	3.11	0.64		0.33	96.8	22.1	69	7.46	31.6		26.0		3.2			44.3	150		
SBC-1 Cert			25.7	788.0	3.20	0.70		0.40	108.0	22.7	109	8.2	31.0000		27.0		3.7			52.5	163		
SBC-1 Meas			21.6	580	3.28	0.64		0.39	99.9	22.5	73	7.55	29.5		24.8		3.5			44.6	157		
SBC-1 Cert			25.7	788.0	3.20	0.70		0.40	108.0	22.7	109	8.2	31.0000		27.0		3.7			52.5	163		
OREAS 45d (4-Acid) Meas		8.19	4.7	180	0.78	0.30	0.21		33.6	30.3	467	3.55	358	14.4	22.1		1.8	0.081	0.45	15.7	19.9	0.24	515
OREAS 45d (4-Acid) Cert		8.150	13.8	183.0	0.79	0.31	0.185		37.20	29.50	549	3.910	371	14.5	21.20		3.830	0.096	0.412	16.9	21.5	0.245	490.000
OREAS 45d (4-Acid) Meas		8.38	5.3	180	0.92	0.36	0.21		34.9	30.3	505	3.62	343	14.6	21.9		2.1	0.086	0.45	16.0	19.9	0.24	544
OREAS 45d (4-Acid) Cert		8.150	13.8	183.0	0.79	0.31	0.185		37.20	29.50	549	3.910	371	14.5	21.20		3.830	0.096	0.412	16.9	21.5	0.245	490.000
SdAR-M2 (U.S.G.S.) Meas				1020	6.68	1.00		4.82	90.7	13.2	31	1.67	236		14.4		2.9			40.7	17.1		
SdAR-M2 (U.S.G.S.) Cert				990	6.6	1.05		5.1	98.8	12.4	49.6	1.82	236.0000		17.6		7.29			46.6	17.9		
SdAR-M2 (U.S.G.S.) Meas				1010	6.54	1.01		5.00	88.2	13.6	34	1.69	237		14.6		3.6			39.4	17.1		

Analyte Symbol	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn
Unit Symbol	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5
Method Code	TD-MS	TD-ICP	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-ICP
SdAR-M2 (U.S.G.S.) Cert				990	6.6	1.05		5.1	98.8	12.4	49.6	1.82	236.0000		17.6		7.29			46.6	17.9		
OREAS 223 (Fire Assay) Meas																							
OREAS 223 (Fire Assay) Cert																							
OREAS 223 (Fire Assay) Meas																							
OREAS 223 (Fire Assay) Cert																							
OREAS 223 (Fire Assay) Meas																							
OREAS 223 (Fire Assay) Cert																							
OREAS 223 (Fire Assay) Meas																							
OREAS 223 (Fire Assay) Cert																							
OREAS 223 (Fire Assay) Meas																							
OREAS 223 (Fire Assay) Cert																							
OREAS 223 (Fire Assay) Meas																							
OREAS 223 (Fire Assay) Cert																							
OREAS 223 (Fire Assay) Meas																							
OREAS 223 (Fire Assay) Cert																							
OREAS 223 (Fire Assay) Meas																							
OREAS 223 (Fire Assay) Cert																							
OREAS 223 (Fire Assay) Meas																							
OREAS 223 (Fire Assay) Cert																							
OREAS 223 (Fire Assay) Meas																							
OREAS 223 (Fire Assay) Cert																							
OREAS 218 Meas																							
OREAS 218 Cert																							
OREAS 218 Meas																							
OREAS 218 Cert																							
OREAS 218 Meas																							

Analyte Symbol	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn
Unit Symbol	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5
Method Code	TD-MS	TD-ICP	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-ICP
OREAS 218 Cert																							
OREAS 218 Meas																							
OREAS 218 Cert																							
OREAS 218 Meas																							
OREAS 218 Cert																							
OREAS 218 Meas																							
OREAS 218 Cert																							
OREAS 218 Meas																							
OREAS 218 Cert																							
OREAS 218 Meas																							
OREAS 218 Cert																							
OREAS 218 Meas																							
OREAS 218 Cert																							
OREAS 218 Meas																							
OREAS 218 Cert																							
403095 Orig	< 0.01	7.24	4.7	500	1.45	0.09	2.34	0.09	74.2	17.4	100	1.60	78.1	4.36	16.5	< 0.05	4.2	0.050	1.38	38.6	19.0	1.37	678
403095 Dup	< 0.01	7.41	2.6	510	1.59	0.09	2.40	0.10	79.4	17.2	76	1.72	81.3	4.47	16.4	< 0.05	1.4	0.053	1.63	40.7	20.2	1.41	694
403104 Orig																							
403104 Dup																							
403115 Orig																							
403115 Dup																							
403126 Orig																							
403126 Dup																							
403133 Orig	< 0.01	7.06	1.4	480	1.68	0.10	2.37	0.05	76.9	22.5	155	1.41	39.3	4.50	16.5	< 0.05	2.8	0.048	1.66	36.2	18.0	1.63	756
403133 Dup	< 0.01	7.09	1.4	480	1.52	0.09	2.40	0.08	77.2	21.0	132	1.37	38.6	4.52	16.2	< 0.05	3.0	0.047	1.71	37.5	17.7	1.65	752
403135 Orig	< 0.01	6.78	7.3	470	1.58	0.09	2.19	0.09	67.6	19.5	93	1.56	40.6	4.51	15.9	< 0.05	1.4	0.048	1.67	33.1	18.9	1.40	702
403135 Dup	< 0.01	6.80	6.1	470	1.76	0.09	2.19	0.12	69.8	19.4	93	1.61	43.1	4.46	16.4	< 0.05	2.6	0.050	1.68	34.5	19.0	1.40	698
403142 Orig																							
403142 Dup																							
403153 Orig																							
403153 Dup																							
403164 Orig																							
403164 Dup																							
403171 Orig	< 0.01	6.56	1.9	370	2.08	0.09	2.95	0.12	60.3	48.9	297	2.15	79.3	6.14	15.9	< 0.05	2.4	0.049	1.26	28.8	20.7	4.28	1080
403171 Dup	0.11	6.55	3.8	370	1.39	0.08	2.93	0.11	61.6	47.1	322	2.20	75.6	6.12	15.8	0.23	4.1	0.058	1.31	29.0	20.9	4.25	1100
403176 Orig	< 0.01	6.60	4.1	320	1.28	0.11	2.12	0.10	54.9	43.8	395	1.34	63.1	6.04	16.9	< 0.05	2.4	0.055	1.05	24.7	18.9	4.00	1070
403176 Dup	< 0.01	6.76	3.2	330	1.20	0.16	2.21	0.11	54.1	44.5	398	1.31	65.0	6.30	16.0	< 0.05	2.3	0.058	1.10	24.5	18.8	4.16	1120
403180 Orig																							
403180 Dup																							
403191 Orig																							
403191 Dup																							
403202 Orig																							

Analyte Symbol	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn
Unit Symbol	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5
Method Code	TD-MS	TD-ICP	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-ICP
403202 Dup																							
403207 Orig	< 0.01	5.81	< 0.2	150	0.58	0.03	3.33	0.08	20.7	79.5	748	5.21	204	7.96	15.3	< 0.05	2.0	0.040	0.65	8.8	24.9	7.92	1320
403207 Dup	< 0.01	5.95	< 0.2	160	0.42	0.03	3.36	0.11	20.3	80.9	745	5.25	213	8.10	15.9	< 0.05	2.2	0.042	0.65	8.8	26.0	8.03	1350
403217 Orig	< 0.01	7.44	< 0.2	410	1.58	0.08	2.78	0.12	76.7	23.8	105	1.12	54.7	5.35	17.5	< 0.05	3.4	0.065	1.33	33.9	17.0	1.58	1000
403217 Dup	< 0.01	7.48	< 0.2	410	1.42	0.07	2.83	0.09	86.2	22.5	96	1.09	50.6	5.40	16.6	< 0.05	3.1	0.070	1.32	37.6	16.3	1.61	1010
403218 Orig																							
403218 Dup																							
403219 Orig	< 0.01	7.03	1.0	380	1.26	0.06	2.88	0.14	65.6	24.5	141	0.98	56.1	5.50	17.5	< 0.05	3.6	0.062	1.22	27.8	15.7	1.75	986
403219 Dup	< 0.01	7.27	< 0.2	390	2.04	0.06	2.90	0.12	68.3	24.8	112	0.99	55.8	5.53	17.0	< 0.05	3.0	0.053	1.23	29.0	15.4	1.77	984
403229 Orig																							
403229 Dup																							
403240 Orig																							
403240 Dup																							
403246 Orig	< 0.01	7.65	< 0.2	400	1.07	0.06	2.70	0.12	58.7	24.1	89	0.92	62.8	6.01	18.6	< 0.05	2.3	0.065	1.23	25.0	15.6	1.84	1110
403246 Dup	< 0.01	7.66	< 0.2	390	1.23	0.08	2.64	0.12	60.4	24.2	75	0.88	63.0	5.91	18.2	< 0.05	2.1	0.063	1.21	25.7	15.4	1.81	1080
403256 Orig																							
403256 Dup																							
403261 Orig	< 0.01	7.72	< 0.2	440	1.47	0.06	2.08	0.19	73.0	24.6	140	1.08	50.1	5.86	17.8	< 0.05	2.1	0.055	1.44	30.2	17.7	1.54	1170
403261 Dup	< 0.01	7.40	< 0.2	440	1.56	0.06	2.02	0.21	79.1	24.5	122	1.09	48.9	5.71	17.6	< 0.05	1.2	0.062	1.40	33.2	17.3	1.50	1130
403266 Orig																							
403266 Dup																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank	< 0.01	0.01	< 0.2	< 10	< 0.05	0.01	< 0.01	< 0.02	0.02	< 0.1		< 0.05	< 0.2	< 0.01	0.22	< 0.05	< 0.1	< 0.005	< 0.01	< 0.5	< 0.2	< 0.01	
Method Blank	< 0.01	< 0.01	< 0.2	< 10	< 0.05	< 0.01	< 0.01	< 0.02	< 0.01	< 0.1		< 0.05	< 0.2	< 0.01	0.22	< 0.05	< 0.1	< 0.005	< 0.01	< 0.5	< 0.2	< 0.01	
Method Blank	< 0.01	0.01	< 0.2	< 10	0.05	< 0.01	< 0.01	< 0.02	0.03	< 0.1		< 0.05	< 0.2	< 0.01	0.17	< 0.05	< 0.1	< 0.005	< 0.01	< 0.5	< 0.2	< 0.01	
Method Blank	< 0.01	< 0.01	< 0.2	< 10	0.09	< 0.01	< 0.01	< 0.02	< 0.01	< 0.1		< 0.05	< 0.2	< 0.01	0.21	< 0.05	< 0.1	< 0.005	< 0.01	< 0.5	< 0.2	< 0.01	
Method Blank	< 0.01	0.05	< 0.2	< 10	< 0.05	< 0.01	< 0.01	< 0.02	0.03	< 0.1		< 0.05	< 0.2	< 0.01	0.18	< 0.05	< 0.1	< 0.005	< 0.01	< 0.5	< 0.2	< 0.01	
Method Blank	< 0.01	< 0.01	0.5	< 10	< 0.05	< 0.01	< 0.01	< 0.02	0.01	< 0.1		< 0.05	< 0.2	< 0.01	0.20	< 0.05	< 0.1	< 0.005	< 0.01	< 0.5	< 0.2	< 0.01	
Method Blank	< 0.01	< 0.01	< 0.2	< 10	0.07	< 0.01	< 0.01	< 0.02	< 0.01	< 0.1		< 0.05	< 0.2	< 0.01	0.20	< 0.05	< 0.1	< 0.005	< 0.01	< 0.5	< 0.2	< 0.01	
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							

Analyte Symbol	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn
Unit Symbol	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5
Method Code	TD-MS	TD-ICP	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-ICP
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							

Analyte Symbol	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y
Unit Symbol	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.05	0.01	0.1	0.2	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1	1	0.1	0.1
Method Code	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-ICP	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-MS	TD-MS
GXR-1 Meas	17.9	0.04	0.7	39.7	580	750	2.4		0.24	29.7	1.3	13	26.7	285	< 0.05	8.27	2.3	0.024	0.38	32.9	88	131	26.1
GXR-1 Cert	18.0	0.0520	0.800	41.0	650	730	14.0		0.257	122	1.58	16.6	54.0	275	0.175	13.0	2.44	0.036	0.390	34.9	80.0	164	32.0
GXR-1 Meas	19.0	0.04	0.8	39.6	590	755	2.4		0.25	32.5	1.2	13	25.9	292	< 0.05	8.47	2.2	0.023	0.37	31.9	89	135	26.2
GXR-1 Cert	18.0	0.0520	0.800	41.0	650	730	14.0		0.257	122	1.58	16.6	54.0	275	0.175	13.0	2.44	0.036	0.390	34.9	80.0	164	32.0
DH-1a Meas																	825			2230			
DH-1a Cert																	910			2629			
DH-1a Meas																	807			2190			
DH-1a Cert																	910			2629			
GXR-4 Meas	319	0.52	10.3	40.3	1350	47.4	128		1.88	4.30	6.9	5	6.7	201	0.55	0.82	15.8	0.290	2.92	6.3	91	34.3	12.1
GXR-4 Cert	310	0.564	10.0	42.0	1200	52.0	160		1.77	4.80	7.70	5.60	5.60	221	0.790	0.970	22.5	0.29	3.20	6.20	87.0	30.8	14.0
GXR-4 Meas	317	0.51	9.7	37.8	1350	45.5	129		1.85	4.27	6.8	5	6.5	206	0.52	0.77	18.1	0.276	3.00	5.8	90	33.0	12.3
GXR-4 Cert	310	0.564	10.0	42.0	1200	52.0	160		1.77	4.80	7.70	5.60	5.60	221	0.790	0.970	22.5	0.29	3.20	6.20	87.0	30.8	14.0
SDC-1 Meas		1.50	1.0	35.2	540	24.0	107			< 0.05	15.1		< 0.2	165	0.05		10.8	0.119	0.60	2.9	37	< 0.1	
SDC-1 Cert		1.52	21.00	38.0	690	25.00	127.00			0.54	17.00		3.00	180.00	1.20		12.00	0.606	0.70	3.10	102.00	0.80	
SDC-1 Meas		1.50	< 0.1	35.0	540	24.6	94.2			< 0.05	15.1		< 0.2	176	< 0.05		11.1	0.158	0.59	3.2	50	< 0.1	
SDC-1 Cert		1.52	21.00	38.0	690	25.00	127.00			0.54	17.00		3.00	180.00	1.20		12.00	0.606	0.70	3.10	102.00	0.80	
GXR-6 Meas	0.56	0.10	0.5	23.9	330	93.2	77.1		0.01	0.28	24.0	< 1	0.5	37.8	< 0.05	< 0.05	4.6		2.12	1.3	124	0.1	10.9
GXR-6 Cert	2.40	0.104	7.50	27.0	350	101	90.0		0.0160	3.60	27.6	0.940	1.70	35.0	0.485	0.0180	5.30		2.20	1.54	186	1.90	14.0
GXR-6 Meas	0.35		0.6	25.6		95.1	70.2			0.38	25.9	< 1	0.4	38.8	< 0.05	0.18	4.8		2.07	1.5		0.2	11.1
GXR-6 Cert	2.40		7.50	27.0		101	90.0			3.60	27.6	0.940	1.70	35.0	0.485	0.0180	5.30		2.20	1.54		1.90	14.0
DNC-1a Meas			2.0	264		6.8	3.3			0.90	29.5			143				0.262			137		14.7
DNC-1a Cert			3	247		6.3	5			0.96	31			144				0.29			148		18.0
DNC-1a Meas			1.5	258		6.1	3.0			0.42	29.8			145				0.254			134		14.7
DNC-1a Cert			3	247		6.3	5			0.96	31			144				0.29			148		18.0
SBC-1 Meas	2.02		12.6	83.3		34.1	121			0.89	19.0		2.9	167	0.70		14.5	0.478	0.81	5.8	218	1.5	27.4
SBC-1 Cert	2.40		15.3	82.8		35.0	147			1.01	20.0		3.3	178.0	1.10		15.8	0.51	0.89	5.76	220.0	1.60	36.5
SBC-1 Meas	2.23		15.8	89.4		35.0	129			1.00	19.7		3.2	175	0.73		14.6	0.494	0.85	5.9	216	1.6	28.1
SBC-1 Cert	2.40		15.3	82.8		35.0	147			1.01	20.0		3.3	178.0	1.10		15.8	0.51	0.89	5.76	220.0	1.60	36.5
OREAS 45d (4-Acid) Meas	0.35	0.09	0.3	236	330	21.0	36.2		0.04	< 0.05	50.9		0.4	28.8	< 0.05		13.6	0.194	0.24	2.8	112	0.1	10.4
OREAS 45d (4-Acid) Cert	2.500	0.101	14.50	231.0	420.000	21.8	42.1		0.049	0.82	49.30		2.78	31.30	1.02		14.5	0.773	0.27	2.63	235.0	1.62	9.53
OREAS 45d (4-Acid) Meas	0.69	0.09	0.4	229	350	21.4	35.6		0.05	< 0.05	48.3		0.6	30.1	< 0.05		13.8	0.287	0.24	2.8	141	0.2	10.3
OREAS 45d (4-Acid) Cert	2.500	0.101	14.50	231.0	420.000	21.8	42.1		0.049	0.82	49.30		2.78	31.30	1.02		14.5	0.773	0.27	2.63	235.0	1.62	9.53
SdAR-M2 (U.S.G.S.) Meas	11.9		6.3	51.4		779	118				4.4			142	0.25		12.7			2.5	27	0.5	23.3
SdAR-M2 (U.S.G.S.) Cert	13.3		26.2	48.8		808	149				4.1			144	1.8		14.2			2.53	25.2	2.8	32.7
SdAR-M2 (U.S.G.S.) Meas	10.3		3.0	51.7		778	124				3.9			131	0.10		12.0			2.4	26	0.3	21.7
SdAR-M2 (U.S.G.S.) Cert	13.3		26.2	48.8		808	149				4.1			144	1.8		14.2			2.53	25.2	2.8	32.7

Analyte Symbol	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y
Unit Symbol	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.05	0.01	0.1	0.2	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1	1	0.1	0.1
Method Code	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-ICP	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-MS	TD-MS
OREAS 223 (Fire Assay) Meas																							
OREAS 223 (Fire Assay) Cert																							
OREAS 223 (Fire Assay) Meas																							
OREAS 223 (Fire Assay) Cert																							
OREAS 223 (Fire Assay) Meas																							
OREAS 223 (Fire Assay) Cert																							
OREAS 223 (Fire Assay) Meas																							
OREAS 223 (Fire Assay) Cert																							
OREAS 223 (Fire Assay) Meas																							
OREAS 223 (Fire Assay) Cert																							
OREAS 223 (Fire Assay) Meas																							
OREAS 223 (Fire Assay) Cert																							
OREAS 223 (Fire Assay) Meas																							
OREAS 223 (Fire Assay) Cert																							
OREAS 223 (Fire Assay) Meas																							
OREAS 223 (Fire Assay) Cert																							
OREAS 223 (Fire Assay) Meas																							
OREAS 223 (Fire Assay) Cert																							
OREAS 223 (Fire Assay) Meas																							
OREAS 223 (Fire Assay) Cert																							
OREAS 218 Meas																							
OREAS 218 Cert																							
OREAS 218 Meas																							
OREAS 218 Cert																							
OREAS 218 Meas																							
OREAS 218 Cert																							
OREAS 218 Meas																							

Analyte Symbol	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y
Unit Symbol	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.05	0.01	0.1	0.2	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1	1	0.1	0.1
Method Code	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-ICP	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-MS	TD-MS
OREAS 218 Cert																							
OREAS 218 Meas																							
OREAS 218 Cert																							
OREAS 218 Meas																							
OREAS 218 Cert																							
OREAS 218 Meas																							
OREAS 218 Cert																							
OREAS 218 Meas																							
OREAS 218 Cert																							
OREAS 218 Meas																							
OREAS 218 Cert																							
OREAS 218 Meas																							
OREAS 218 Cert																							
403095 Orig	0.42	2.25	4.3	44.9	1000	14.3	49.1	< 0.002	< 0.01	0.12	15.3	< 1	0.4	277	0.20	< 0.05	8.8	0.349	0.36	3.0	88	0.2	17.6
403095 Dup	0.16	2.28	1.1	46.1	920	15.1	55.8	< 0.002	< 0.01	0.07	15.4	< 1	< 0.2	301	< 0.05	< 0.05	9.2	0.224	0.38	3.2	69	< 0.1	18.3
403104 Orig																							
403104 Dup																							
403115 Orig																							
403115 Dup																							
403126 Orig																							
403126 Dup																							
403133 Orig	0.24	2.20	0.3	73.4	950	13.8	53.9	< 0.002	< 0.01	< 0.05	16.5	< 1	< 0.2	287	< 0.05	< 0.05	8.4	0.109	0.32	2.2	43	0.1	18.0
403133 Dup	0.08	2.21	0.2	71.3	940	13.6	51.9	< 0.002	< 0.01	< 0.05	16.8	< 1	< 0.2	272	< 0.05	< 0.05	7.7	0.097	0.32	2.1	38	< 0.1	17.3
403135 Orig	0.09	2.05	0.2	55.7	910	13.2	58.1	< 0.002	< 0.01	< 0.05	15.7	< 1	0.2	250	< 0.05	< 0.05	7.4	0.190	0.35	2.2	57	< 0.1	17.0
403135 Dup	0.07	2.08	0.3	52.7	920	13.5	57.7	< 0.002	< 0.01	< 0.05	14.8	< 1	< 0.2	266	< 0.05	< 0.05	7.4	0.102	0.35	2.4	38	< 0.1	16.2
403142 Orig																							
403142 Dup																							
403153 Orig																							
403153 Dup																							
403164 Orig																							
403164 Dup																							
403171 Orig	0.23	1.68	0.7	329	880	10.9	54.2	< 0.002	0.01	0.07	21.4	< 1	0.6	207	< 0.05	< 0.05	6.4	0.253	0.43	1.3	74	< 0.1	16.5
403171 Dup	1.00	1.66	30.4	319	990	11.1	56.6	< 0.002	< 0.01	0.35	21.2	< 1	1.5	215	1.03	< 0.05	6.7	0.610	0.45	1.3	153	0.5	16.9
403176 Orig	0.12	1.68	1.4	330	670	11.0	34.8	< 0.002	< 0.01	0.09	22.9	< 1	0.2	218	< 0.05	< 0.05	5.4	0.239	0.21	1.5	72	< 0.1	17.6
403176 Dup	0.17	1.76	0.8	334	700	10.7	33.9	< 0.002	0.01	0.07	23.8	< 1	< 0.2	215	< 0.05	< 0.05	5.3	0.233	0.21	1.3	75	< 0.1	17.6
403180 Orig																							
403180 Dup																							
403191 Orig																							
403191 Dup																							
403202 Orig																							
403202 Dup																							
403207 Orig	0.19	1.04	1.0	741	360	3.7	23.1	< 0.002	< 0.01	0.22	29.1	< 1	< 0.2	73.7	< 0.05	< 0.05	1.3	0.279	0.21	0.3	149	< 0.1	15.1

Analyte Symbol	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y
Unit Symbol	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.05	0.01	0.1	0.2	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1	1	0.1	0.1
Method Code	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-ICP	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-MS	TD-MS
403207 Dup	0.19	1.05	0.7	760	360	5.5	23.6	< 0.002	< 0.01	0.16	29.7	< 1	< 0.2	77.0	< 0.05	< 0.05	1.3	0.275	0.21	0.3	143	< 0.1	16.0
403217 Orig	0.30	2.09	0.6	54.1	1000	12.0	36.8	< 0.002	< 0.01	0.09	21.4	< 1	0.4	287	< 0.05	< 0.05	8.2	0.158	0.23	1.8	52	0.2	21.8
403217 Dup	0.11	2.10	0.3	49.5	1030	11.6	36.5	< 0.002	< 0.01	< 0.05	21.1	< 1	< 0.2	286	< 0.05	< 0.05	7.4	0.123	0.23	1.8	49	0.3	21.3
403218 Orig																							
403218 Dup																							
403219 Orig	0.13	2.07	0.6	62.8	980	10.1	31.5	< 0.002	< 0.01	< 0.05	21.9	< 1	< 0.2	280	< 0.05	< 0.05	5.8	0.291	0.19	1.5	86	< 0.1	20.0
403219 Dup	0.06	2.09	0.1	64.1	980	10.1	34.2	< 0.002	< 0.01	< 0.05	22.8	< 1	< 0.2	280	< 0.05	< 0.05	6.1	0.230	0.20	1.5	76	< 0.1	21.1
403229 Orig																							
403229 Dup																							
403240 Orig																							
403240 Dup																							
403246 Orig	0.10	2.05	0.5	53.7	990	9.3	32.5	< 0.002	< 0.01	0.06	25.4	< 1	0.2	258	< 0.05	< 0.05	4.8	0.155	0.17	1.4	53	< 0.1	22.0
403246 Dup	0.06	2.01	0.3	54.4	930	9.3	32.6	< 0.002	< 0.01	< 0.05	25.8	< 1	< 0.2	260	< 0.05	< 0.05	4.9	0.140	0.17	1.6	52	< 0.1	22.4
403256 Orig																							
403256 Dup																							
403261 Orig	0.07	2.07	0.4	47.6	820	10.0	38.9	< 0.002	< 0.01	< 0.05	22.5	< 1	< 0.2	230	< 0.05	< 0.05	6.1	0.164	0.23	1.6	57	< 0.1	21.9
403261 Dup	0.08	2.02	1.6	45.6	790	9.9	38.1	< 0.002	< 0.01	0.05	20.2	< 1	< 0.2	228	0.07	< 0.05	6.1	0.205	0.23	1.5	62	< 0.1	21.3
403266 Orig																							
403266 Dup																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank	0.10	< 0.01	< 0.1	< 0.2	< 10	< 0.5	< 0.1	< 0.002	< 0.01	0.08	< 0.1	< 1	0.2	< 0.2	< 0.05	< 0.05	< 0.2	< 0.005	< 0.02	< 0.1	< 1	< 0.1	< 0.1
Method Blank	0.08	< 0.01	< 0.1	< 0.2	< 10	< 0.5	< 0.1	< 0.002	< 0.01	< 0.05	0.1	< 1	< 0.2	< 0.2	< 0.05	< 0.05	< 0.2	< 0.005	< 0.02	< 0.1	< 1	< 0.1	< 0.1
Method Blank	0.08	< 0.01	< 0.1	< 0.2	< 10	< 0.5	< 0.1	< 0.002	< 0.01	< 0.05	< 0.1	< 1	< 0.2	< 0.2	< 0.05	< 0.05	< 0.2	< 0.005	< 0.02	< 0.1	< 1	< 0.1	< 0.1
Method Blank	0.08	< 0.01	< 0.1	< 0.2	< 10	< 0.5	< 0.1	< 0.002	< 0.01	< 0.05	< 0.1	< 1	< 0.2	< 0.2	< 0.05	< 0.05	< 0.2	< 0.005	< 0.02	< 0.1	< 1	< 0.1	< 0.1
Method Blank	0.09	< 0.01	< 0.1	< 0.2	< 10	< 0.5	< 0.1	< 0.002	< 0.01	< 0.05	< 0.1	< 1	< 0.2	< 0.2	< 0.05	< 0.05	< 0.2	< 0.005	< 0.02	< 0.1	< 1	< 0.1	< 0.1
Method Blank	0.08	< 0.01	< 0.1	< 0.2	< 10	< 0.5	< 0.1	< 0.002	< 0.01	< 0.05	< 0.1	< 1	< 0.2	< 0.2	< 0.05	< 0.05	< 0.2	< 0.005	< 0.02	< 0.1	< 1	< 0.1	< 0.1
Method Blank	0.07	< 0.01	< 0.1	< 0.2	< 10	< 0.5	< 0.1	< 0.002	< 0.01	< 0.05	0.2	< 1	17.8	< 0.2	< 0.05	< 0.05	< 0.2	< 0.005	< 0.02	< 0.1	< 1	< 0.1	< 0.1
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							

Analyte Symbol	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y
Unit Symbol	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.05	0.01	0.1	0.2	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1	1	0.1	0.1
Method Code	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-ICP	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-MS	TD-MS
Method Blank																							
Method Blank																							

Analyte Symbol	Zn	Zr	Au
Unit Symbol	ppm	ppm	g/mt
Lower Limit	2	0.5	0.005
Method Code	TD-ICP	TD-MS	FA-AA
GXR-1 Meas	818	19.4	
GXR-1 Cert	760	38.0	
GXR-1 Meas	813	27.5	
GXR-1 Cert	760	38.0	
DH-1a Meas			
DH-1a Cert			
DH-1a Meas			
DH-1a Cert			
GXR-4 Meas	79	49.5	
GXR-4 Cert	73.0	186	
GXR-4 Meas	75	42.3	
GXR-4 Cert	73.0	186	
SDC-1 Meas	105	55.7	
SDC-1 Cert	103.00	290.00	
SDC-1 Meas	107	41.2	
SDC-1 Cert	103.00	290.00	
GXR-6 Meas	138	76.2	
GXR-6 Cert	118	110	
GXR-6 Meas		77.7	
GXR-6 Cert		110	
DNC-1a Meas	60	39.7	
DNC-1a Cert	70	38.0	
DNC-1a Meas	57	42.3	
DNC-1a Cert	70	38.0	
SBC-1 Meas	194	121	
SBC-1 Cert	186	134.0	
SBC-1 Meas	187	131	
SBC-1 Cert	186	134.0	
OREAS 45d (4-Acid) Meas	51	73.5	
OREAS 45d (4-Acid) Cert	45.7	141	
OREAS 45d (4-Acid) Meas	50	85.6	
OREAS 45d (4-Acid) Cert	45.7	141	
SdAR-M2 (U.S.G.S.) Meas	849	118	
SdAR-M2 (U.S.G.S.) Cert	760	259	
SdAR-M2 (U.S.G.S.) Meas	855	126	
SdAR-M2 (U.S.G.S.) Cert	760	259	

Analyte Symbol	Zn	Zr	Au
Unit Symbol	ppm	ppm	g/mt
Lower Limit	2	0.5	0.005
Method Code	TD-ICP	TD-MS	FA-AA
OREAS 223 (Fire Assay) Meas			1.76
OREAS 223 (Fire Assay) Cert			1.78
OREAS 223 (Fire Assay) Meas			1.79
OREAS 223 (Fire Assay) Cert			1.78
OREAS 223 (Fire Assay) Meas			1.79
OREAS 223 (Fire Assay) Cert			1.78
OREAS 223 (Fire Assay) Meas			1.76
OREAS 223 (Fire Assay) Cert			1.78
OREAS 223 (Fire Assay) Meas			1.72
OREAS 223 (Fire Assay) Cert			1.78
OREAS 223 (Fire Assay) Meas			1.72
OREAS 223 (Fire Assay) Cert			1.78
OREAS 223 (Fire Assay) Meas			1.77
OREAS 223 (Fire Assay) Cert			1.78
OREAS 223 (Fire Assay) Meas			1.73
OREAS 223 (Fire Assay) Cert			1.78
OREAS 223 (Fire Assay) Meas			1.79
OREAS 223 (Fire Assay) Cert			1.78
OREAS 223 (Fire Assay) Meas			1.76
OREAS 223 (Fire Assay) Cert			1.78
OREAS 218 Meas			0.523
OREAS 218 Cert			0.531
OREAS 218 Meas			0.518
OREAS 218 Cert			0.531
OREAS 218 Meas			0.554
OREAS 218 Cert			0.531
OREAS 218 Meas			0.545

Analyte Symbol	Zn	Zr	Au
Unit Symbol	ppm	ppm	g/mt
Lower Limit	2	0.5	0.005
Method Code	TD-ICP	TD-MS	FA-AA
OREAS 218 Cert			0.531
OREAS 218 Meas			0.538
OREAS 218 Cert			0.531
OREAS 218 Meas			0.523
OREAS 218 Cert			0.531
OREAS 218 Meas			0.517
OREAS 218 Cert			0.531
OREAS 218 Meas			0.522
OREAS 218 Cert			0.531
OREAS 218 Meas			0.512
OREAS 218 Cert			0.531
OREAS 218 Meas			0.539
OREAS 218 Cert			0.531
403095 Orig	76	178	
403095 Dup	75	102	
403104 Orig			0.011
403104 Dup			< 0.005
403115 Orig			0.007
403115 Dup			< 0.005
403126 Orig			0.011
403126 Dup			0.012
403133 Orig	72	129	
403133 Dup	73	133	
403135 Orig	79	93.5	
403135 Dup	78	109	
403142 Orig			0.009
403142 Dup			< 0.005
403153 Orig			0.050
403153 Dup			0.042
403164 Orig			0.025
403164 Dup			0.027
403171 Orig	86	96.9	
403171 Dup	90	173	
403176 Orig	83	99.4	
403176 Dup	86	94.4	
403180 Orig			0.009
403180 Dup			< 0.005
403191 Orig			0.007
403191 Dup			0.005
403202 Orig			0.006
403202 Dup			0.007
403207 Orig	75	79.6	

Analyte Symbol	Zn	Zr	Au
Unit Symbol	ppm	ppm	g/mt
Lower Limit	2	0.5	0.005
Method Code	TD-ICP	TD-MS	FA-AA
403207 Dup	74	86.2	
403217 Orig	78	139	
403217 Dup	79	131	
403218 Orig			0.008
403218 Dup			0.009
403219 Orig	75	145	
403219 Dup	74	131	
403229 Orig			0.007
403229 Dup			0.005
403240 Orig			0.006
403240 Dup			0.006
403246 Orig	86	91.4	
403246 Dup	85	89.4	
403256 Orig			0.005
403256 Dup			0.005
403261 Orig	94	105	
403261 Dup	92	72.6	
403266 Orig			0.008
403266 Dup			0.007
Method Blank			< 0.005
Method Blank			< 0.005
Method Blank			< 0.005
Method Blank			< 0.005
Method Blank			< 0.005
Method Blank			< 0.005
Method Blank			< 0.005
Method Blank			< 0.005
Method Blank			< 0.005
Method Blank	< 2	< 0.5	
Method Blank	< 2	< 0.5	
Method Blank	< 2	0.9	
Method Blank	< 2	1.0	
Method Blank	< 2	< 0.5	
Method Blank	< 2	< 0.5	
Method Blank	< 2	< 0.5	
Method Blank			< 0.005
Method Blank			< 0.005
Method Blank			< 0.005
Method Blank			< 0.005
Method Blank			< 0.005
Method Blank			< 0.005
Method Blank			< 0.005

Analyte Symbol	Zn	Zr	Au
Unit Symbol	ppm	ppm	g/mt
Lower Limit	2	0.5	0.005
Method Code	TD-ICP	TD-MS	FA-AA
Method Blank			< 0.005
Method Blank			< 0.005

Quality Analysis ... *Innovative Technologies*

Date Submitted: 15-Dec-17
Invoice No.: A17-14267
Invoice Date: 15-Feb-18
Your Reference: # 39899-True North Nickel

Techni-Lab Abitibi Inc.(Actlabs)
184 Rue Principale
Ste-Germaine-Boule Quebec J0Z 1M0
Canada

ATTN: Andre Caouette

CERTIFICATE OF ANALYSIS

137 Soil samples were submitted for analysis.

The following analytical package(s) were requested: Code 1A2 Au - Fire Assay AA

Code ME-MS61 Total Digestion ICP & ICP/MS

REPORT **A17-14267**

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

Values which exceed the upper limit should be assayed for accurate numbers.

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
41 Bittern Street, Ancaster, Ontario, Canada, L9G 4V5
TELEPHONE +905 648-9611 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Ancaster@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn
Unit Symbol	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5
Method Code	TD-MS	TD-ICP	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-ICP
403501	< 0.01	6.86	< 0.2	510	2.12	0.09	2.09	0.15	104	24.2	160	1.65	39.6	4.80	20.0	< 0.05	1.4	0.064	1.48	51.9	23.4	1.59	792
403502	< 0.01	7.02	1.5	520	1.76	0.09	2.01	0.13	89.8	24.9	157	1.78	44.5	5.37	18.6	< 0.05	0.3	0.067	1.42	45.7	22.2	1.65	876
403503	< 0.01	7.25	4.2	530	1.84	0.10	1.91	0.11	84.5	27.1	178	2.01	48.0	5.34	19.6	< 0.05	3.6	0.063	1.27	41.0	25.3	1.79	860
403504	< 0.01	7.41	5.0	560	1.96	0.11	1.62	0.08	86.2	32.2	205	2.39	54.3	5.93	21.5	< 0.05	4.0	0.068	1.23	39.6	31.0	2.12	1080
403505	< 0.01	6.73	< 0.2	490	1.73	0.08	2.48	0.14	99.6	23.2	208	1.23	33.3	4.58	18.3	< 0.05	1.7	0.064	1.40	47.5	17.4	1.48	781
403506	< 0.01	7.06	3.2	450	1.64	0.10	1.91	0.11	75.8	27.4	200	1.74	46.7	6.01	19.6	< 0.05	3.6	0.074	1.11	33.2	23.2	1.98	1110
403507	< 0.01	6.91	1.9	480	1.49	0.11	2.15	0.13	81.1	21.6	155	1.52	35.0	4.39	17.7	< 0.05	4.4	0.065	1.28	38.4	17.9	1.38	819
403508	< 0.01	6.93	0.9	450	1.32	0.09	1.93	0.13	65.3	24.6	207	1.53	37.3	5.14	18.1	< 0.05	4.2	0.055	1.21	29.5	19.4	1.79	915
403509	< 0.01	5.59	1.1	410	1.37	0.07	2.08	0.09	60.9	19.9	227	1.08	29.1	4.64	16.6	< 0.05	5.9	0.057	1.09	26.5	16.5	1.48	820
403510	< 0.01	7.09	< 0.2	410	1.15	0.06	2.07	0.09	62.6	23.5	208	1.13	39.1	4.99	13.7	< 0.05	3.0	0.050	1.34	28.0	17.8	1.94	1030
403511	< 0.01	6.83	< 0.2	390	1.20	0.05	2.31	0.11	62.5	21.9	227	1.06	37.6	4.85	13.6	< 0.05	1.2	0.050	1.32	29.4	17.2	1.81	899
403512	< 0.01	7.78	1.7	480	1.50	0.09	1.91	0.16	64.8	30.8	270	2.23	74.7	6.71	15.8	< 0.05	3.2	0.060	1.28	33.8	27.6	2.41	982
403513	< 0.01	6.79	< 0.2	390	1.10	0.06	2.39	0.09	63.2	22.8	285	1.14	39.0	5.12	13.1	< 0.05	1.3	0.050	1.25	29.7	16.4	1.94	972
403514	< 0.01	6.75	< 0.2	390	1.00	0.06	2.62	0.08	56.5	18.3	216	0.89	30.3	4.74	12.4	< 0.05	1.0	0.050	1.26	25.8	12.6	1.77	961
403515	< 0.01	7.11	1.5	430	1.30	0.06	2.06	0.11	61.3	20.5	164	1.28	33.5	4.79	14.2	< 0.05	3.7	0.040	1.52	27.2	19.3	1.69	1000
403516	< 0.01	6.92	1.7	410	1.10	0.06	2.09	0.09	69.3	20.8	190	1.06	37.2	4.56	14.0	< 0.05	4.0	0.060	1.43	31.2	17.0	1.55	950
403517	< 0.01	6.99	17.3	390	1.10	0.08	1.94	0.15	61.6	30.2	243	1.22	105	5.53	14.5	< 0.05	3.7	0.050	1.32	28.0	19.0	1.84	1060
403518	< 0.01	10.5	25.9	470	1.30	0.09	2.13	0.11	43.8	22.5	226	1.22	49.5	5.39	15.0	0.10	4.7	0.050	1.22	18.3	20.3	1.82	968
403519	< 0.01	6.97	9.6	390	1.10	0.08	1.96	0.08	60.3	20.7	217	1.08	48.3	5.29	13.9	< 0.05	3.6	0.060	1.34	27.8	16.9	1.70	877
403520	0.36	7.11	34.9	2400	3.10	6.09	0.65	0.34	79.8	15.5	24	6.35	1650	3.98	52.9	< 0.05	6.7	0.630	1.67	31.8	19.8	0.27	397
403521	< 0.01	7.71	9.2	460	1.50	0.15	1.62	0.10	64.2	27.5	190	2.02	79.0	6.12	16.8	< 0.05	3.5	0.070	1.18	36.8	25.0	2.01	992
403522	< 0.01	7.06	2.3	420	1.20	0.07	2.03	0.24	80.0	27.3	168	1.29	45.1	4.94	14.7	< 0.05	3.2	0.060	1.48	31.3	18.9	1.67	1180
403523	< 0.01	7.67	14.8	480	1.60	0.12	1.73	0.13	65.8	30.1	192	2.09	84.3	6.06	16.5	< 0.05	3.2	0.070	1.46	32.1	26.0	2.07	1060
403524	< 0.01	7.34	10.4	440	1.50	0.10	1.76	0.12	64.6	25.1	186	1.76	60.7	5.28	16.2	< 0.05	3.3	0.060	1.48	32.3	23.4	1.76	846
403525	< 0.01	7.00	4.0	420	1.30	0.08	1.86	0.10	70.2	24.1	175	1.37	46.9	4.99	14.8	< 0.05	3.4	0.060	1.48	32.6	20.2	1.65	900
403526	< 0.01	7.33	8.9	460	1.50	0.09	1.88	0.15	78.2	27.6	176	1.53	55.4	5.27	15.7	< 0.05	2.3	0.060	1.17	35.8	22.4	1.73	1050
403527	< 0.01	6.86	3.7	390	1.10	0.09	2.39	0.08	63.5	25.0	176	1.13	72.7	5.52	13.5	< 0.05	2.9	0.050	1.29	29.1	17.0	1.74	848
403528	< 0.01	6.92	1.9	410	1.20	0.07	1.97	0.11	71.7	22.8	188	1.19	43.8	4.64	13.9	< 0.05	2.0	0.050	1.37	31.9	18.1	1.54	985
403529	< 0.01	5.41	7.1	410	1.30	0.08	1.80	0.18	42.3	26.7	228	1.29	56.2	5.13	15.6	0.10	4.9	0.060	1.10	17.4	21.5	1.64	1090
403530	< 0.01	7.16	3.3	430	1.30	0.07	2.16	0.13	63.9	22.9	214	1.27	44.5	4.92	14.4	< 0.05	3.6	0.060	1.39	30.0	19.7	1.76	982
403531	< 0.01	7.23	< 0.2	470	1.20	0.08	2.73	0.12	74.9	22.5	167	1.13	47.9	4.55	12.5	< 0.05	0.6	0.050	1.47	35.0	17.1	1.60	821
403532	< 0.01	7.21	< 0.2	460	1.30	0.09	2.56	0.15	78.2	20.8	132	1.21	53.4	4.38	13.5	< 0.05	1.1	0.050	1.51	36.8	18.3	1.40	733
403533	< 0.01	6.78	< 0.2	400	1.10	0.07	2.69	0.11	78.5	23.9	190	0.94	35.3	4.72	12.6	< 0.05	2.0	0.050	1.28	35.4	17.3	1.77	899
403534	< 0.01	6.99	< 0.2	440	1.30	0.08	2.69	0.13	80.4	20.4	146	1.15	124	4.45	13.1	< 0.05	3.0	0.040	1.40	36.2	17.8	1.53	845
403535	< 0.01	6.98	< 0.2	460	1.60	0.07	2.32	0.12	93.2	16.9	127	1.22	39.8	4.17	14.5	< 0.05	1.3	0.050	1.55	44.2	18.4	1.25	727
403536	0.67	6.86	< 0.2	490	1.30	0.08	2.32	0.11	85.6	17.1	123	1.22	44.0	3.80	13.0	< 0.05	2.7	0.050	1.60	37.4	17.4	1.19	750
403537	< 0.01	7.08	< 0.2	420	1.30	0.06	2.96	0.11	75.7	22.5	136	1.05	65.7	4.98	13.5	< 0.05	3.3	0.060	1.37	34.7	17.1	1.69	869
403538	< 0.01	7.16	< 0.2	500	1.50	0.08	2.33	0.11	87.3	16.9	145	1.26	32.6	4.26	13.7	< 0.05	0.6	0.050	1.57	42.2	18.8	1.31	753
403539	< 0.01	6.83	4.0	540	1.30	0.09	2.11	0.13	47.0	15.1	95	1.28	34.9	3.34	12.8	< 0.05	5.3	0.040	1.27	19.7	16.3	0.97	642
403540	< 0.01	6.58	< 0.2	370	0.90	0.03	1.89	< 0.02	18.0	6.2	165	0.70	10.8	1.82	10.9	< 0.05	1.3	0.020	1.27	8.3	8.1	0.55	295
403541	< 0.01	7.38	4.8	490	1.50	0.09	2.13	0.18	81.1	27.1	138	1.94	66.6	5.25	14.6	< 0.05	3.2	0.060	1.47	39.8	24.4	1.59	932
403542	< 0.01	7.28	< 0.2	480	1.40	0.10	2.44	0.13	80.9	22.8	161	1.60	69.1	5.04	13.5	< 0.05	0.5	0.050	1.50	38.5	20.7	1.56	786

Analyte Symbol	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn
Unit Symbol	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5
Method Code	TD-MS	TD-ICP	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-ICP
403543	< 0.01	7.01	< 0.2	460	1.40	0.08	2.54	0.09	80.7	18.1	117	1.32	25.2	4.19	14.1	< 0.05	0.6	0.060	1.53	36.9	18.9	1.33	723
403544	< 0.01	7.12	< 0.2	470	1.70	0.08	2.31	0.13	107	20.7	144	1.37	65.1	4.87	14.8	< 0.05	1.8	0.060	1.51	49.4	21.0	1.50	900
403545	< 0.01	6.85	< 0.2	430	1.30	0.07	2.44	0.13	74.5	21.2	164	1.15	47.6	4.32	13.2	< 0.05	3.3	0.050	1.37	34.9	17.8	1.50	726
403546	< 0.01	6.80	< 0.2	440	1.30	0.07	2.68	0.09	89.9	19.2	130	0.96	30.6	4.08	13.3	< 0.05	0.6	0.050	1.43	40.5	16.3	1.39	765
403547	< 0.01	7.00	1.1	360	1.10	0.07	2.82	0.12	63.6	44.5	247	1.26	103	6.02	12.6	< 0.05	2.0	0.050	1.15	28.7	20.7	2.36	1000
403548	< 0.01	6.98	< 0.2	480	2.05	0.08	2.74	0.25	141	30.1	213	1.43	66.4	5.40	13.5	< 0.05	2.0	0.060	1.31	58.1	24.5	2.19	1280
403549	< 0.01	7.23	0.8	420	1.40	0.07	2.77	0.11	78.7	32.1	324	1.41	67.5	5.08	13.5	< 0.05	3.3	0.050	1.30	38.5	22.8	2.18	902
403550	< 0.01	6.97	3.2	370	1.30	0.08	3.68	0.11	58.3	29.0	185	0.98	149	6.77	12.3	< 0.05	2.3	0.055	1.12	28.5	17.3	2.40	1060
403551	< 0.01	6.97	< 0.2	390	1.30	0.05	3.30	0.09	70.3	25.6	173	1.06	84.1	5.49	13.3	< 0.05	0.4	0.060	1.18	35.9	19.2	2.05	951
403552	< 0.01	7.35	< 0.2	460	1.50	0.08	2.89	0.13	115	26.3	173	1.43	63.9	5.88	14.3	< 0.05	2.3	0.060	1.25	66.2	22.3	2.08	1190
403553	< 0.01	7.14	0.4	440	1.50	0.07	2.12	0.06	68.4	22.4	189	1.54	72.8	5.32	14.4	< 0.05	3.1	0.050	1.38	36.5	24.1	1.76	661
403554	< 0.01	7.43	< 0.2	420	1.30	0.07	2.84	0.13	70.4	25.1	152	1.36	71.6	5.62	14.1	< 0.05	2.6	0.060	1.35	30.7	21.5	1.97	939
403555	< 0.01	7.00	< 0.2	400	1.20	0.08	3.41	0.10	71.4	26.8	203	0.93	47.2	5.29	13.3	< 0.05	1.3	0.050	1.23	31.4	15.6	2.36	961
403556	< 0.01	7.19	8.1	420	1.40	0.07	2.61	0.15	70.4	28.6	146	1.63	66.6	5.54	14.2	< 0.05	3.0	0.050	1.38	34.7	22.4	1.79	954
403557	0.18	5.84	2.3	400	1.20	0.06	2.82	0.06	49.9	22.3	245	0.95	42.8	5.04	13.8	< 0.05	4.8	0.060	1.12	23.6	17.4	1.73	930
403558	< 0.01	7.40	< 0.2	480	1.40	0.07	2.48	0.06	75.4	23.7	190	1.43	54.7	5.06	14.0	< 0.05	3.2	0.060	1.46	39.9	21.4	1.74	822
403559	< 0.01	7.09	< 0.2	420	1.30	0.06	2.87	0.09	63.5	24.0	175	1.14	57.4	5.22	13.7	< 0.05	2.6	0.060	1.25	31.0	18.6	1.80	867
403560	< 0.01	7.14	0.2	420	1.20	0.06	2.87	0.09	65.0	24.9	163	1.18	52.2	5.32	13.6	< 0.05	3.0	0.060	1.25	31.7	19.1	1.83	884
403561	< 0.01	7.23	5.0	430	1.30	0.09	2.25	0.19	73.1	32.2	223	1.58	73.3	5.83	14.2	< 0.05	2.8	0.050	1.23	32.7	23.1	1.94	1060
403562	< 0.01	7.60	10.1	400	1.30	0.17	2.10	0.27	64.9	38.8	196	1.57	92.0	6.73	16.0	< 0.05	2.7	0.070	1.30	28.5	22.9	2.08	1320
403563	< 0.01	7.56	6.2	380	1.30	0.12	2.54	0.26	62.6	37.2	176	1.53	96.5	6.37	14.9	< 0.05	2.1	0.060	1.32	28.0	22.6	2.23	1300
403564	< 0.01	7.67	7.2	400	1.20	0.11	2.21	0.24	59.4	36.4	197	1.42	86.0	6.31	14.7	< 0.05	2.8	0.060	1.34	26.5	22.2	2.17	1340
403565	< 0.01	7.45	5.5	390	1.30	0.13	2.24	0.14	55.4	27.0	184	1.28	60.1	5.63	14.9	< 0.05	2.3	0.060	1.31	26.6	20.4	1.82	922
403566	< 0.01	7.71	7.8	400	1.20	0.11	2.31	0.26	60.0	36.1	214	1.47	77.1	6.53	14.8	< 0.05	2.5	0.060	1.37	26.5	21.7	2.17	1300
403567	< 0.01	7.21	12.5	420	1.30	0.13	2.06	0.14	31.1	28.4	252	1.51	72.5	6.15	15.5	0.30	3.9	0.050	0.95	14.4	24.1	1.99	952
403568	< 0.01	7.51	6.9	380	1.10	0.10	2.53	0.25	63.0	35.1	214	1.22	63.8	6.27	13.9	< 0.05	2.5	0.050	1.27	26.5	19.5	2.05	1290
403569	< 0.01	7.80	7.7	500	1.30	0.10	2.46	0.22	62.3	35.7	188	1.49	76.8	6.50	15.1	< 0.05	2.7	0.060	1.24	28.1	26.1	2.14	1250
403570	< 0.01	7.68	6.7	430	1.40	0.10	2.34	0.16	63.2	35.1	222	1.72	86.6	6.20	14.8	< 0.05	2.8	0.060	1.38	30.0	23.3	2.07	1150
403571	< 0.01	7.65	5.5	430	1.20	0.09	2.44	0.21	67.4	34.7	194	1.54	82.2	6.13	15.1	< 0.05	2.6	0.050	1.39	30.5	22.5	2.01	1210
403572	< 0.01	7.61	5.7	450	1.30	0.09	2.41	0.22	67.7	34.8	179	1.65	78.3	6.06	15.6	< 0.05	2.8	0.060	1.45	30.1	23.1	2.00	1180
403573	< 0.01	7.61	1.5	530	1.70	0.10	1.84	0.18	77.3	21.5	134	2.25	54.3	5.35	15.8	< 0.05	3.1	0.060	1.69	38.4	28.7	1.64	722
403574	< 0.01	7.77	9.4	460	1.40	0.12	2.13	0.21	59.8	32.2	192	1.74	85.5	6.38	14.9	< 0.05	2.6	0.070	1.51	28.4	24.1	2.01	1150
403575	< 0.01	7.72	8.7	400	1.20	0.10	2.49	0.19	57.1	34.4	180	1.45	97.2	6.45	15.4	< 0.05	2.3	0.060	1.32	26.0	21.2	2.06	1240
403576	< 0.01	7.55	10.8	490	1.40	0.17	2.15	0.25	68.6	33.9	193	1.83	88.5	5.97	14.8	< 0.05	3.1	0.060	1.63	30.1	23.0	1.86	1200
403577	< 0.01	7.79	13.1	410	1.10	0.12	2.67	0.25	54.8	37.9	202	1.58	86.7	6.75	15.8	< 0.05	2.7	0.060	1.39	24.4	22.9	2.20	1380
403578	< 0.01	6.98	17.9	410	1.20	0.11	2.26	0.28	34.9	35.7	223	1.43	88.5	6.37	16.1	0.20	3.9	0.060	1.05	14.2	22.9	1.89	1330
403579	< 0.01	7.21	2.6	460	1.40	0.08	2.25	0.26	70.9	26.0	228	1.57	59.8	5.33	14.9	< 0.05	3.3	0.050	1.56	34.4	22.4	1.77	939
403580	0.36	7.30	32.2	2390	2.90	5.98	0.66	0.31	84.4	14.5	21	6.19	1560	3.98	50.3	< 0.05	6.5	0.590	1.97	35.5	19.0	0.28	400
403581	< 0.01	7.34	3.5	470	1.30	0.10	2.27	0.20	71.0	31.9	289	1.62	68.1	5.78	14.3	< 0.05	2.9	0.060	1.56	32.5	22.4	2.02	1050
403582	< 0.01	7.49	5.0	400	1.20	0.11	2.45	0.18	62.7	31.4	202	1.42	69.5	5.94	15.1	< 0.05	2.6	0.070	1.31	29.4	20.3	1.91	1060
403583	< 0.01	7.59	7.5	420	1.20	0.10	2.36	0.21	69.2	37.3	191	1.55	77.3	6.05	14.8	< 0.05	2.6	0.050	1.39	29.6	21.8	2.00	1280
403584	< 0.01	7.62	4.7	520	1.40	0.10	1.94	0.18	67.5	27.1	144	2.13	68.7	5.56	15.6	< 0.05	3.2	0.060	1.79	33.8	25.8	1.75	899

Analyte Symbol	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn
Unit Symbol	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5
Method Code	TD-MS	TD-ICP	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-ICP
403585	< 0.01	7.60	6.8	460	1.20	0.09	2.37	0.23	61.0	36.7	173	1.67	88.3	6.46	14.9	< 0.05	2.2	0.060	1.32	26.9	22.0	2.04	1260
403586	< 0.01	7.85	6.9	420	1.10	0.10	2.28	0.14	48.8	32.2	182	1.60	90.3	6.61	14.4	< 0.05	2.1	0.060	1.26	23.5	21.8	2.10	1010
403587	< 0.01	7.60	7.8	400	1.00	0.09	2.42	0.20	56.2	35.3	187	1.54	82.8	6.38	13.8	< 0.05	2.5	0.060	1.24	25.7	20.6	2.07	1250
403588	< 0.01	7.71	8.6	410	1.10	0.13	2.26	0.19	61.0	35.3	196	1.50	79.5	6.42	14.8	< 0.05	2.6	0.060	1.28	28.4	21.1	1.95	1290
403589	< 0.01	7.98	12.5	420	1.10	0.11	2.28	0.23	55.2	38.3	192	1.63	94.7	6.83	15.4	< 0.05	2.8	0.080	1.22	25.4	22.9	2.16	1290
403590	< 0.01	7.92	8.5	420	1.10	0.11	2.15	0.15	53.2	34.0	161	1.51	88.2	6.64	14.9	< 0.05	2.5	0.070	1.29	24.5	21.9	2.03	1190
403591	< 0.01	7.71	8.6	420	1.20	0.15	1.98	0.13	54.3	31.4	219	1.71	86.6	6.66	14.3	< 0.05	2.2	0.065	1.40	27.5	22.4	2.09	976
403592	< 0.01	7.63	9.1	400	1.20	0.13	2.11	0.19	57.7	33.9	236	1.63	95.1	6.73	15.1	< 0.05	2.7	0.060	1.37	28.7	23.0	2.14	980
403593	< 0.01	8.18	12.0	420	1.30	0.18	2.06	0.25	58.5	37.6	222	1.74	96.1	7.27	14.8	< 0.05	2.4	0.070	1.47	26.5	23.4	2.28	1250
403594	< 0.01	7.75	10.7	380	1.00	0.14	2.13	0.29	52.4	37.7	218	1.48	92.8	7.09	14.4	< 0.05	2.3	0.070	1.31	24.0	21.2	2.26	1310
403595	< 0.01	6.29	15.4	360	1.20	0.13	1.94	0.21	30.5	36.4	257	1.28	88.8	7.07	14.9	0.10	3.7	0.060	0.89	12.3	22.0	1.94	845
403596	< 0.01	7.74	8.7	390	1.10	0.14	2.05	0.22	70.2	34.9	190	1.50	86.2	6.81	14.3	< 0.05	2.8	0.060	1.15	31.2	22.3	1.99	1170
403597	< 0.01	7.85	10.4	410	1.30	0.15	2.10	0.22	61.1	35.3	206	1.67	81.8	6.64	14.7	< 0.05	2.9	0.070	1.25	28.6	23.2	2.07	1180
403598	< 0.01	7.66	10.6	400	1.20	0.15	2.18	0.21	60.4	37.5	242	1.66	93.2	6.76	14.1	< 0.05	2.9	0.070	1.39	27.5	23.3	2.23	1210
403599	< 0.01	7.48	6.3	360	1.10	0.13	2.05	0.22	59.7	33.4	158	1.24	98.8	6.35	15.1	< 0.05	2.3	0.070	1.21	27.7	21.1	1.81	1040
403600	< 0.01	7.66	5.8	370	1.10	0.13	2.16	0.23	59.9	37.2	190	1.20	75.7	6.69	14.6	< 0.05	2.2	0.070	1.25	26.9	21.1	2.03	1360
403601	0.06	8.09	4.6	170	0.60	0.31	0.21	< 0.02	35.3	30.4	552	3.39	380	13.8	18.1	0.10	1.6	0.090	0.40	16.3	21.7	0.24	498
403602	< 0.01	7.74	10.0	370	1.10	0.14	2.37	0.22	56.3	41.1	247	1.47	93.6	7.01	13.7	< 0.05	2.1	0.070	1.28	25.5	22.6	2.58	1390
403603	< 0.01	7.59	14.4	350	1.10	0.16	2.14	0.21	51.2	39.6	256	1.41	102	7.00	14.5	< 0.05	3.0	0.070	1.22	23.1	22.1	2.50	1330
403604	< 0.01	7.93	16.7	370	1.00	0.16	2.59	0.24	53.1	43.2	282	1.44	92.5	7.28	14.7	< 0.05	2.6	0.060	1.30	23.3	22.1	2.68	1400
403605	< 0.01	6.98	1.8	320	0.80	0.08	3.04	0.11	52.6	37.6	413	1.27	83.8	6.18	12.2	< 0.05	2.6	0.050	0.99	25.3	18.3	4.14	1050
403606	0.04	10.6	15.8	420	0.90	0.16	2.68	0.08	29.3	46.8	622	1.24	110	7.68	11.7	< 0.05	3.0	0.060	1.52	12.2	20.3	5.00	1730
403607	< 0.01	6.67	3.7	310	0.70	0.11	2.96	0.13	53.3	48.7	587	1.65	92.9	6.88	11.5	< 0.05	2.1	0.050	1.06	23.7	19.6	5.00	1370
403608	< 0.01	6.76	5.6	300	0.70	0.09	2.63	0.08	50.6	42.3	538	1.59	75.7	6.45	11.3	< 0.05	2.7	0.050	0.99	22.3	20.1	4.65	1090
403609	< 0.01	7.23	2.8	410	1.36	0.10	2.60	0.06	65.2	34.5	330	1.42	75.3	5.79	18.7	< 0.05	3.4	0.066	1.21	31.1	20.0	2.98	762
403610	< 0.01	7.30	2.6	440	1.51	0.12	2.38	0.09	72.7	34.2	228	1.63	76.8	6.12	19.3	< 0.05	3.0	0.068	1.22	32.9	22.2	2.76	983
403611	< 0.01	7.00	9.2	450	1.58	0.13	2.71	0.06	78.7	36.3	290	1.86	55.4	5.94	18.0	< 0.05	2.5	0.072	1.36	36.7	21.9	3.49	984
403612	< 0.01	6.81	3.7	430	1.49	0.11	2.61	0.03	79.3	28.4	200	1.58	46.2	5.17	17.7	< 0.05	2.8	0.062	1.30	35.2	19.7	2.64	863
403613	< 0.01	6.85	15.0	430	1.45	0.13	2.73	0.09	69.1	31.9	219	1.65	55.1	5.58	18.3	< 0.05	2.1	0.068	1.28	32.1	20.7	3.00	870
403614	< 0.01	7.16	3.2	430	1.51	0.12	2.36	0.07	65.0	35.4	206	1.85	110	5.89	19.3	< 0.05	1.9	0.057	1.25	29.3	22.6	2.85	955
403615	< 0.01	7.16	1.4	450	1.69	0.10	2.56	0.11	84.4	31.6	162	1.89	87.4	5.56	20.7	< 0.05	4.0	0.065	1.33	39.2	23.3	2.08	1030
403616	< 0.01	7.00	1.0	400	1.33	0.10	2.56	0.09	64.7	23.8	138	1.11	53.1	5.06	18.0	< 0.05	2.7	0.061	1.16	30.4	16.6	1.91	756
403617	< 0.01	7.00	2.3	450	1.62	0.13	2.37	0.07	74.6	28.6	183	1.73	53.9	5.29	19.6	< 0.05	3.3	0.058	1.34	33.7	21.8	2.17	853
403618	< 0.01	6.92	1.3	440	1.55	0.10	2.51	0.07	70.3	21.8	137	1.42	44.8	4.64	18.6	< 0.05	2.7	0.054	1.32	33.3	18.9	1.92	695
403619	< 0.01	7.09	< 0.2	490	1.64	0.09	2.35	0.12	93.7	23.5	104	1.55	48.7	4.42	18.9	< 0.05	1.3	0.061	1.46	44.9	19.7	1.52	965
403620	< 0.01	6.88	< 0.2	470	1.67	0.09	2.34	0.09	84.1	21.5	97	1.44	39.2	4.35	19.2	< 0.05	3.2	0.060	1.44	40.5	19.6	1.50	768
403621	< 0.01	6.72	0.6	490	1.57	0.09	2.26	0.07	79.1	19.8	111	1.55	58.4	4.36	19.4	< 0.05	3.1	0.059	1.44	39.6	20.1	1.55	659
403622	< 0.01	6.91	< 0.2	490	1.67	0.08	2.41	0.05	87.8	19.1	89	1.37	42.8	4.20	19.2	< 0.05	3.4	0.059	1.48	42.0	19.4	1.40	739
403623	< 0.01	7.08	5.2	460	1.76	0.12	2.45	0.07	85.5	30.7	173	1.98	73.5	5.38	19.5	< 0.05	2.7	0.061	1.33	41.5	24.3	2.40	941
403624	< 0.01	6.83	7.4	340	1.23	0.19	3.25	0.12	63.3	43.0	356	1.50	379	6.46	18.2	< 0.05	2.3	0.067	0.93	29.9	18.7	3.84	1090
403625	< 0.01	6.45	< 0.2	470	1.53	0.07	2.34	0.11	79.8	20.1	136	1.41	34.9	4.13	16.9	< 0.05	4.2	0.058	1.10	37.1	18.9	1.46	748
403626	< 0.01	7.12	4.7	480	1.71	0.10	2.30	0.09	84.2	24.4	151	1.73	51.5	4.94	19.6	< 0.05	4.1	0.059	1.39	38.8	21.6	1.89	677

Analyte Symbol	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn
Unit Symbol	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5
Method Code	TD-MS	TD-ICP	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-ICP
403627	< 0.01	7.00	7.9	500	1.58	0.09	2.34	0.06	86.6	23.5	116	1.64	41.5	4.60	18.8	< 0.05	1.7	0.057	1.47	40.3	20.6	1.74	818
403628	< 0.01	7.29	< 0.2	500	1.80	0.09	2.58	0.09	94.5	22.1	93	1.54	34.4	4.81	20.4	< 0.05	3.6	0.058	1.49	44.0	22.6	1.67	819
403629	< 0.01	6.88	6.0	480	1.44	0.09	2.55	0.08	74.3	24.4	143	1.41	37.5	4.70	18.5	< 0.05	2.9	0.055	1.46	36.5	19.5	2.15	780
403630	< 0.01	6.66	1.8	510	1.54	0.08	2.18	0.10	78.8	15.8	116	1.19	27.8	3.82	17.0	< 0.05	4.5	0.052	1.52	36.4	15.8	1.18	635
403631	< 0.01	7.31	1.1	480	1.65	0.14	2.62	0.19	124	30.1	135	1.97	94.1	6.24	19.2	< 0.05	5.6	0.070	1.44	60.9	23.5	1.85	1090
403632	< 0.01	6.77	3.2	510	1.51	0.14	2.17	0.21	89.7	19.3	106	1.20	83.1	4.49	17.5	< 0.05	6.2	0.053	1.52	37.1	15.9	1.29	864
403633	< 0.01	6.84	< 0.2	500	1.49	0.11	2.35	0.12	86.9	14.8	86	1.20	28.1	3.98	16.8	< 0.05	3.6	0.054	1.47	39.8	15.4	1.15	706
403634	< 0.01	6.70	< 0.2	490	1.46	0.11	2.26	0.10	85.6	15.8	117	1.16	22.4	3.89	16.9	< 0.05	4.1	0.053	1.49	39.4	14.9	1.17	669
403635	< 0.01	5.95	9.3	460	1.61	0.13	2.33	0.19	58.9	27.9	168	1.38	81.0	4.59	18.7	< 0.05	6.2	0.062	1.14	25.1	18.8	1.52	803
403636	< 0.01	6.63	< 0.2	500	1.65	0.10	2.03	0.14	91.4	17.6	101	1.41	28.1	4.13	17.6	< 0.05	3.1	0.053	1.43	40.9	17.9	1.22	754
403637	< 0.01	6.78	0.6	560	1.56	0.09	1.96	0.09	85.2	14.5	75	1.37	23.8	3.32	18.2	< 0.05	4.3	0.043	1.68	41.2	17.5	1.02	627

Analyte Symbol	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y
Unit Symbol	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.05	0.01	0.1	0.2	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1	1	0.1	0.1
Method Code	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-ICP	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-MS	TD-MS
403501	0.07	2.25	< 0.1	75.8	980	15.1	62.9	< 0.002	< 0.01	< 0.05	18.9	< 1	0.7	278	< 0.05	0.65	10.4	0.265	0.35	2.3	71	< 0.1	21.0
403502	0.06	2.15	< 0.1	68.9	1020	13.6	64.1	< 0.002	< 0.01	< 0.05	20.6	< 1	0.5	267	< 0.05	< 0.05	9.9	0.354	0.35	2.0	92	< 0.1	19.4
403503	0.08	2.10	0.3	84.0	870	14.2	61.1	< 0.002	< 0.01	< 0.05	20.6	< 1	0.4	257	< 0.05	< 0.05	10.4	0.345	0.41	1.9	100	< 0.1	18.4
403504	0.13	1.90	< 0.1	103	790	14.4	65.3	< 0.002	0.02	< 0.05	21.9	< 1	0.6	220	< 0.05	< 0.05	9.7	0.387	0.43	1.9	130	< 0.1	18.0
403505	< 0.05	2.29	< 0.1	68.9	1040	13.7	51.7	< 0.002	< 0.01	< 0.05	21.7	< 1	0.5	307	< 0.05	< 0.05	9.4	0.329	0.28	2.7	75	< 0.1	22.4
403506	0.09	1.74	0.2	67.5	770	15.6	46.8	< 0.002	0.02	< 0.05	22.6	< 1	0.4	194	< 0.05	< 0.05	6.7	0.341	0.31	1.6	98	< 0.1	19.1
403507	0.11	2.10	< 0.1	51.5	770	13.6	55.7	< 0.002	< 0.01	< 0.05	20.1	< 1	0.6	277	< 0.05	< 0.05	8.4	0.359	0.33	1.7	85	< 0.1	19.3
403508	0.07	2.01	0.3	63.8	630	11.4	46.9	< 0.002	< 0.01	< 0.05	21.0	< 1	0.4	222	< 0.05	< 0.05	6.8	0.351	0.27	1.5	94	< 0.1	18.5
403509	0.84	2.05	5.6	52.2	870	11.5	30.1	0.011	< 0.01	< 0.05	16.7	< 1	1.2	227	0.14	< 0.05	5.6	0.623	0.26	5.0	117	< 0.1	16.0
403510	0.08	1.97	< 0.1	67.4	660	9.8	46.6	< 0.002	< 0.01	< 0.05	21.6	< 1	0.4	208	< 0.05	< 0.05	6.6	0.190	0.24	1.4	63	0.1	22.8
403511	0.06	2.03	< 0.1	68.5	730	10.1	46.0	< 0.002	< 0.01	< 0.05	21.0	< 1	0.4	219	< 0.05	< 0.05	6.0	0.213	0.23	1.6	62	< 0.1	23.9
403512	0.12	1.67	0.1	92.1	830	12.6	68.1	< 0.002	0.01	< 0.05	22.9	< 1	0.4	169	< 0.05	< 0.05	8.5	0.278	0.35	1.9	102	0.1	23.4
403513	0.06	1.93	< 0.1	62.9	700	9.9	42.1	< 0.002	< 0.01	< 0.05	24.2	< 1	0.5	214	< 0.05	< 0.05	6.6	0.295	0.21	1.4	83	< 0.1	23.6
403514	0.08	2.02	< 0.1	48.6	700	8.9	36.3	< 0.002	< 0.01	< 0.05	21.1	< 1	0.4	220	< 0.05	< 0.05	5.9	0.347	0.18	1.2	90	< 0.1	21.3
403515	0.13	2.04	0.1	53.4	860	10.5	51.6	< 0.002	< 0.01	< 0.05	19.6	< 1	0.7	226	< 0.05	< 0.05	5.9	0.375	0.27	1.7	92	0.1	23.0
403516	0.10	2.08	0.1	57.8	760	10.2	48.3	< 0.002	< 0.01	< 0.05	19.6	< 1	0.6	216	< 0.05	< 0.05	6.4	0.336	0.25	1.5	81	0.1	26.5
403517	0.11	1.85	0.1	65.1	740	12.4	46.7	< 0.002	< 0.01	< 0.05	22.2	< 1	0.6	191	< 0.05	< 0.05	6.1	0.307	0.26	1.7	88	0.1	25.9
403518	0.59	1.89	13.2	64.1	840	13.0	30.5	< 0.002	0.01	0.42	15.1	< 1	1.9	187	0.75	< 0.05	4.5	0.802	0.29	1.4	152	0.5	17.1
403519	0.06	1.90	< 0.1	58.9	630	10.9	45.3	< 0.002	< 0.01	< 0.05	20.8	< 1	0.5	191	< 0.05	< 0.05	9.1	0.300	0.24	1.6	82	0.1	22.8
403520	3.39	2.42	19.3	10.5	280	31.3	112	< 0.002	0.06	2.18	5.0	2	6.3	137	1.10	0.08	10.6	0.133	0.72	3.7	12	3.2	14.3
403521	0.10	1.70	0.2	92.8	790	14.1	58.3	< 0.002	0.01	< 0.05	22.4	< 1	0.4	176	< 0.05	< 0.05	9.5	0.338	0.35	14.0	107	0.1	28.5
403522	0.07	1.94	0.1	71.5	780	11.9	54.2	< 0.002	< 0.01	< 0.05	19.7	< 1	0.4	207	< 0.05	< 0.05	7.2	0.203	0.28	1.8	59	< 0.1	27.0
403523	0.07	1.71	0.1	95.0	770	15.3	61.5	< 0.002	< 0.01	< 0.05	22.0	< 1	0.3	178	< 0.05	< 0.05	10.2	0.279	0.38	2.6	92	< 0.1	26.6
403524	0.24	1.81	2.9	79.0	720	13.7	65.1	< 0.002	< 0.01	0.11	21.0	< 1	0.7	198	0.17	< 0.05	8.4	0.312	0.33	2.3	86	0.6	26.0
403525	0.11	1.91	1.5	68.7	730	12.0	55.1	< 0.002	< 0.01	< 0.05	20.3	< 1	0.5	203	0.07	< 0.05	7.3	0.247	0.28	2.0	69	0.1	25.7
403526	0.10	1.95	0.9	77.1	770	13.4	53.5	< 0.002	< 0.01	< 0.05	20.2	< 1	0.5	205	< 0.05	< 0.05	8.1	0.314	0.31	2.2	86	0.1	26.9
403527	0.08	1.91	0.1	57.1	730	10.9	43.0	< 0.002	< 0.01	< 0.05	20.6	< 1	0.5	237	< 0.05	< 0.05	6.4	0.284	0.24	1.5	86	< 0.1	21.6
403528	0.07	1.98	0.1	58.9	680	11.7	51.6	< 0.002	< 0.01	< 0.05	19.8	< 1	0.5	216	< 0.05	< 0.05	6.8	0.308	0.26	2.0	77	< 0.1	26.9
403529	0.54	1.94	10.1	73.9	800	12.6	22.5	< 0.002	< 0.01	0.21	15.2	< 1	1.6	174	0.46	< 0.05	3.7	0.573	0.31	1.3	129	0.4	18.9
403530	0.07	1.99	0.1	64.5	710	10.9	53.5	< 0.002	< 0.01	< 0.05	20.9	< 1	0.6	227	< 0.05	< 0.05	7.5	0.314	0.28	1.6	87	< 0.1	24.0
403531	0.08	2.22	0.1	79.9	870	12.0	47.3	< 0.002	< 0.01	< 0.05	19.6	< 1	0.7	299	< 0.05	< 0.05	8.0	0.379	0.26	1.5	105	0.1	20.4
403532	0.10	2.27	0.1	58.4	940	12.5	49.2	< 0.002	< 0.01	< 0.05	18.9	< 1	0.6	297	< 0.05	< 0.05	8.9	0.291	0.26	1.7	82	0.1	21.5
403533	0.06	2.05	0.1	75.4	1060	10.3	40.2	< 0.002	< 0.01	< 0.05	21.7	< 1	0.4	270	< 0.05	< 0.05	7.4	0.208	0.21	1.4	75	0.1	20.8
403534	0.07	2.17	0.1	58.1	1000	11.8	46.0	< 0.002	< 0.01	< 0.05	18.6	< 1	0.4	281	< 0.05	< 0.05	7.9	0.164	0.25	1.6	56	< 0.1	20.9
403535	0.06	2.29	0.1	45.0	1030	13.4	51.9	< 0.002	< 0.01	< 0.05	16.8	< 1	0.4	295	< 0.05	< 0.05	11.3	0.170	0.28	2.0	55	< 0.1	22.4
403536	0.05	2.22	0.1	42.0	980	13.4	52.2	< 0.002	< 0.01	< 0.05	15.6	< 1	0.4	292	< 0.05	< 0.05	8.4	0.172	0.28	1.7	50	< 0.1	19.9
403537	0.05	2.11	0.1	57.4	900	11.1	43.6	< 0.002	< 0.01	< 0.05	21.8	< 1	0.4	292	< 0.05	< 0.05	8.1	0.128	0.24	1.8	59	< 0.1	22.0
403538	0.05	2.29	0.1	47.3	980	14.0	53.1	< 0.002	< 0.01	< 0.05	15.8	< 1	0.5	280	< 0.05	< 0.05	10.2	0.242	0.29	1.9	62	< 0.1	21.8
403539	0.49	2.29	10.9	33.3	870	14.0	36.4	< 0.002	< 0.01	0.24	10.1	< 1	1.6	280	0.57	< 0.05	5.5	0.425	0.30	1.0	98	0.7	12.8
403540	10.4	2.64	2.8	27.8	210	7.1	43.2	< 0.002	< 0.01	0.06	5.6	< 1	0.9	337	0.12	< 0.05	1.4	0.162	0.22	0.3	42	0.4	6.3
403541	0.15	2.06	0.2	65.3	1060	13.7	66.8	< 0.002	< 0.01	< 0.05	19.2	< 1	0.6	244	< 0.05	< 0.05	10.0	0.313	0.35	2.2	99	< 0.1	22.4
403542	0.08	2.06	0.1	56.9	980	13.1	56.6	< 0.002	< 0.01	< 0.05	19.6	< 1	0.8	263	< 0.05	< 0.05	10.2	0.297	0.31	2.0	98	< 0.1	21.8

Analyte Symbol	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y
Unit Symbol	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.05	0.01	0.1	0.2	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1	1	0.1	0.1
Method Code	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-ICP	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-MS	TD-MS
403543	0.06	2.20	0.1	44.8	800	12.8	53.2	< 0.002	< 0.01	< 0.05	18.1	< 1	0.5	302	< 0.05	< 0.05	8.5	0.243	0.29	1.6	72	< 0.1	20.3
403544	0.06	2.26	0.1	53.8	1200	13.5	54.2	< 0.002	< 0.01	< 0.05	17.7	< 1	0.5	266	< 0.05	< 0.05	11.0	0.193	0.30	5.6	59	0.1	23.7
403545	0.05	2.12	0.1	66.1	950	12.0	47.4	< 0.002	< 0.01	< 0.05	18.5	< 1	0.4	274	< 0.05	< 0.05	8.4	0.188	0.26	1.6	60	< 0.1	20.5
403546	< 0.05	2.23	0.1	54.5	1010	12.7	46.7	< 0.002	< 0.01	< 0.05	18.5	< 1	0.4	302	< 0.05	< 0.05	9.2	0.191	0.24	1.9	60	< 0.1	22.1
403547	0.06	1.87	0.1	173	730	9.7	42.6	< 0.002	< 0.01	< 0.05	24.9	< 1	0.4	224	< 0.05	< 0.05	6.7	0.144	0.24	1.5	74	< 0.1	20.1
403548	0.1	2.03	0.3	146	1410	13.2	53.8	< 0.002	< 0.01	< 0.05	20.9	< 1	0.7	271	< 0.05	< 0.05	10.7	0.187	0.31	2.0	79	< 0.1	25.6
403549	0.10	2.04	0.2	167	860	12.2	49.9	< 0.002	< 0.01	< 0.05	20.8	< 1	0.4	248	< 0.05	< 0.05	9.4	0.214	0.27	1.8	75	0.1	21.1
403550	0.06	1.94	0.1	63.1	980	9.5	36.7	< 0.002	< 0.01	< 0.05	25.1	< 1	0.4	263	< 0.05	< 0.05	5.4	0.225	0.20	1.3	95	< 0.1	20.0
403551	0.09	2.08	< 0.1	59.8	910	9.6	41.8	< 0.002	< 0.01	< 0.05	23.4	< 1	0.4	281	< 0.05	< 0.05	6.3	0.214	0.23	1.7	83	0.1	20.2
403552	0.07	2.11	0.1	73.4	1060	11.7	51.2	< 0.002	< 0.01	< 0.05	22.2	< 1	0.3	251	< 0.05	< 0.05	11.7	0.160	0.28	2.0	70	0.1	26.3
403553	0.08	2.05	0.1	76.2	580	12.3	54.0	< 0.002	0.01	< 0.05	18.9	< 1	0.4	225	< 0.05	< 0.05	8.7	0.176	0.29	1.9	58	0.1	19.9
403554	0.05	2.07	0.1	63.5	970	10.7	46.8	< 0.002	0.01	< 0.05	20.8	< 1	0.3	262	< 0.05	< 0.05	6.9	0.131	0.26	1.6	62	< 0.1	18.3
403555	< 0.05	2.13	0.1	88.2	850	9.4	38.1	< 0.002	< 0.01	< 0.05	24.4	< 1	0.4	288	< 0.05	< 0.05	6.4	0.197	0.21	1.4	89	< 0.1	20.8
403556	0.05	1.91	0.1	56.9	870	11.3	58.6	< 0.002	< 0.01	< 0.05	22.4	< 1	0.4	249	< 0.05	< 0.05	7.6	0.209	0.31	2.2	87	0.1	21.8
403557	0.85	2.23	39.7	64.5	1240	10.7	23.3	< 0.002	< 0.01	0.26	16.6	< 1	1.9	232	1.60	< 0.05	4.5	0.746	0.24	1.4	154	0.6	16.4
403558	0.06	2.19	0.1	64.7	890	12.1	54.0	< 0.002	< 0.01	< 0.05	18.8	< 1	0.5	239	< 0.05	< 0.05	9.0	0.303	0.30	2.2	90	< 0.1	21.5
403559	< 0.05	2.20	0.3	57.2	840	9.8	43.6	< 0.002	< 0.01	< 0.05	22.9	< 1	0.3	243	< 0.05	< 0.05	6.7	0.224	0.24	1.7	86	< 0.1	20.1
403560	0.09	2.16	0.1	59.5	880	10.1	44.1	< 0.002	< 0.01	< 0.05	24.0	< 1	0.4	243	< 0.05	< 0.05	7.1	0.234	0.27	1.5	90	0.1	20.4
403561	0.09	1.83	0.1	96.0	840	13.2	59.5	< 0.002	< 0.01	< 0.05	21.3	< 1	0.4	185	< 0.05	< 0.05	8.0	0.202	0.34	1.6	73	< 0.1	21.5
403562	0.09	1.70	0.5	102	780	14.0	51.3	< 0.002	< 0.01	< 0.05	25.0	< 1	0.4	178	< 0.05	< 0.05	7.1	0.190	0.33	1.5	82	0.1	21.3
403563	0.06	1.71	0.1	108	730	12.4	49.8	< 0.002	0.01	< 0.05	24.9	< 1	0.4	185	< 0.05	< 0.05	6.9	0.152	0.30	1.5	69	< 0.1	20.7
403564	0.21	1.78	2.8	104	760	11.8	44.9	< 0.002	< 0.01	0.21	23.1	< 1	0.8	188	0.16	< 0.05	6.5	0.163	0.29	1.7	61	0.2	20.6
403565	0.06	1.90	0.1	70.7	710	11.8	46.0	< 0.002	< 0.01	< 0.05	22.3	< 1	0.4	206	< 0.05	< 0.05	6.4	0.118	0.26	1.5	46	< 0.1	20.1
403566	0.13	1.81	0.5	99.5	820	12.3	43.2	< 0.002	< 0.01	0.09	22.6	< 1	0.6	176	< 0.05	< 0.05	6.4	0.207	0.29	1.2	75	0.1	19.5
403567	0.59	1.71	9.1	85.6	810	12.4	20.2	< 0.002	0.02	0.37	16.7	< 1	1.5	148	0.41	< 0.05	4.1	0.687	0.34	1.0	176	0.2	14.0
403568	0.06	1.85	0.1	91.2	770	11.5	43.3	< 0.002	< 0.01	< 0.05	23.8	< 1	0.4	192	< 0.05	< 0.05	6.3	0.214	0.25	1.3	83	< 0.1	20.5
403569	0.07	1.82	0.1	84.8	890	11.5	52.1	< 0.002	< 0.01	< 0.05	22.9	< 1	0.4	249	< 0.05	< 0.05	6.7	0.257	0.30	2.2	96	< 0.1	19.6
403570	0.06	1.85	0.1	97.4	760	12.1	54.2	< 0.002	< 0.01	< 0.05	22.9	< 1	0.3	204	< 0.05	< 0.05	7.6	0.210	0.33	1.5	83	< 0.1	21.5
403571	0.06	1.88	0.1	85.4	810	11.6	50.5	< 0.002	< 0.01	< 0.05	23.4	< 1	0.3	209	< 0.05	< 0.05	7.5	0.171	0.29	1.6	74	< 0.1	21.3
403572	0.06	1.90	0.1	91.2	800	12.6	52.7	< 0.002	< 0.01	< 0.05	23.2	< 1	0.4	216	< 0.05	< 0.05	7.4	0.161	0.31	1.4	69	< 0.1	21.1
403573	0.05	1.86	0.2	63.7	790	16.3	75.8	< 0.002	< 0.01	< 0.05	17.4	< 1	0.4	184	< 0.05	< 0.05	10.9	0.257	0.45	2.2	76	< 0.1	20.6
403574	0.08	1.82	0.1	90.2	810	13.6	50.0	< 0.002	< 0.01	< 0.05	21.9	< 1	0.4	187	< 0.05	< 0.05	7.4	0.146	0.33	1.5	60	< 0.1	20.3
403575	0.10	1.84	0.3	85.7	770	11.4	43.2	< 0.002	0.01	0.05	23.8	< 1	0.5	202	< 0.05	< 0.05	6.2	0.145	0.28	1.2	58	0.1	20.0
403576	0.18	1.81	1.3	79.5	800	16.1	55.0	< 0.002	< 0.01	0.16	21.6	< 1	0.8	185	< 0.05	< 0.05	8.3	0.240	0.36	1.6	75	0.1	19.6
403577	0.12	1.76	1.2	103	820	12.3	45.8	< 0.002	0.01	0.13	25.0	< 1	0.6	188	< 0.05	< 0.05	6.4	0.241	0.31	1.3	84	< 0.1	19.8
403578	0.96	1.83	8.4	83.4	950	13.4	18.5	< 0.002	< 0.01	0.53	17.5	< 1	1.5	167	0.39	< 0.05	3.8	0.702	0.31	0.8	183	0.3	13.5
403579	0.07	1.94	0.1	85.0	860	13.6	58.0	< 0.002	< 0.01	< 0.05	19.8	< 1	0.5	217	< 0.05	< 0.05	11.9	0.249	0.34	1.7	79	< 0.1	20.9
403580	3.23	2.41	15.8	9.6	270	30.6	115	< 0.002	0.06	2.06	4.7	2	4.5	132	0.87	0.07	11.7	0.135	0.70	4.1	12	2.8	14.1
403581	0.07	1.96	0.1	114	850	13.1	57.5	< 0.002	< 0.01	< 0.05	19.7	< 1	0.4	201	< 0.05	< 0.05	8.1	0.194	0.34	1.3	69	0.1	21.3
403582	< 0.05	1.90	0.1	80.6	800	12.2	48.9	< 0.002	0.01	< 0.05	24.0	< 1	0.3	207	< 0.05	< 0.05	7.1	0.187	0.28	1.7	75	< 0.1	21.9
403583	0.05	1.87	0.1	92.4	800	12.6	50.7	< 0.002	< 0.01	< 0.05	23.8	< 1	0.3	198	< 0.05	< 0.05	7.4	0.154	0.31	1.6	70	< 0.1	21.1
403584	0.25	1.83	2.3	74.1	810	14.8	73.5	< 0.002	< 0.01	0.08	19.3	< 1	0.6	198	0.12	< 0.05	9.5	0.244	0.40	1.9	83	0.1	20.6

Analyte Symbol	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y
Unit Symbol	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.05	0.01	0.1	0.2	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1	1	0.1	0.1
Method Code	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-ICP	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-MS	TD-MS
403585	0.08	1.85	0.1	81.5	810	11.1	48.9	< 0.002	< 0.01	< 0.05	25.3	< 1	0.4	203	< 0.05	0.49	6.2	0.119	0.28	1.3	54	0.1	21.1
403586	0.06	1.76	0.1	77.7	750	10.3	43.7	< 0.002	0.02	< 0.05	25.1	< 1	0.4	185	< 0.05	< 0.05	6.0	0.156	0.28	1.2	66	< 0.1	19.7
403587	0.12	1.76	0.1	84.5	770	10.9	48.3	< 0.002	< 0.01	< 0.05	23.0	< 1	0.4	189	< 0.05	< 0.05	6.6	0.220	0.28	1.3	91	0.1	19.9
403588	0.07	1.81	0.2	78.4	720	12.3	48.9	< 0.002	0.01	< 0.05	25.6	< 1	0.3	200	< 0.05	< 0.05	6.9	0.191	0.29	1.4	85	0.1	20.4
403589	0.07	1.78	0.4	89.3	810	12.2	50.3	< 0.002	0.01	< 0.05	26.1	< 1	0.4	194	< 0.05	< 0.05	6.4	0.202	0.29	1.3	94	0.1	21.0
403590	0.05	1.80	0.2	77.0	800	11.4	45.9	< 0.002	0.01	< 0.05	24.8	< 1	0.3	198	< 0.05	< 0.05	6.1	0.324	0.29	1.2	109	0.1	20.1
403591	0.07	1.69	0.4	94.8	680	12.6	52.0	< 0.002	0.01	< 0.05	23.7	< 1	0.5	163	< 0.05	< 0.05	7.5	0.231	0.36	1.7	80	< 0.1	20.2
403592	0.06	1.69	0.2	103	690	12.6	51.1	< 0.002	0.01	0.07	24.3	< 1	0.5	170	< 0.05	< 0.05	7.3	0.176	0.36	1.6	69	0.1	21.2
403593	0.10	1.67	0.6	104	810	13.9	49.2	< 0.002	0.01	0.12	24.5	< 1	0.7	155	< 0.05	< 0.05	6.8	0.251	0.37	1.5	92	< 0.1	19.8
403594	0.09	1.64	0.8	105	800	12.4	44.5	< 0.002	< 0.01	0.16	24.6	< 1	0.8	161	< 0.05	< 0.05	6.2	0.246	0.33	1.2	88	< 0.1	19.4
403595	0.59	1.68	9.1	88.9	730	11.9	24.2	< 0.002	0.01	0.43	18.6	< 1	1.7	159	0.44	< 0.05	3.2	0.719	0.31	1.1	194	0.3	13.8
403596	0.09	1.67	0.3	80.8	780	12.8	49.2	< 0.002	0.01	< 0.05	24.7	< 1	0.3	178	< 0.05	< 0.05	6.9	0.348	0.32	1.4	122	0.1	20.1
403597	0.21	1.71	3.7	88.1	830	13.6	57.6	< 0.002	0.01	0.26	23.7	< 1	0.7	178	0.21	< 0.05	7.4	0.415	0.32	1.4	131	0.3	19.9
403598	0.15	1.62	2.3	106	740	13.3	54.1	< 0.002	0.01	0.14	23.2	< 1	0.5	165	0.13	< 0.05	7.3	0.321	0.33	1.5	114	0.2	19.9
403599	0.06	1.76	0.6	73.8	780	12.0	44.4	< 0.002	< 0.01	< 0.05	24.2	< 1	0.4	201	< 0.05	< 0.05	6.3	0.320	0.27	1.5	101	< 0.1	20.0
403600	< 0.05	1.79	0.1	88.7	780	11.8	43.3	< 0.002	< 0.01	< 0.05	24.3	< 1	0.3	193	< 0.05	< 0.05	5.8	0.140	0.26	1.3	65	< 0.1	20.2
403601	0.14	0.09	0.1	241	350	21.3	40.6	< 0.002	0.04	< 0.05	49.9	1	0.7	30.3	< 0.05	< 0.05	15.1	0.165	0.24	2.7	108	< 0.1	11.7
403602	0.13	1.65	0.6	125	750	12.9	46.9	< 0.002	0.01	0.22	25.5	< 1	0.7	174	< 0.05	< 0.05	6.9	0.236	0.29	1.5	84	< 0.1	19.7
403603	0.31	1.61	3.3	127	790	13.3	42.7	< 0.002	0.02	0.20	26.6	< 1	0.8	171	0.05	< 0.05	5.9	0.459	0.28	1.3	140	0.1	19.0
403604	0.20	1.67	2.6	142	790	12.0	43.6	< 0.002	0.02	0.32	25.9	< 1	0.7	175	< 0.05	< 0.05	6.0	0.384	0.29	1.5	124	0.1	19.2
403605	0.12	1.67	1.3	258	750	9.2	36.3	< 0.002	0.02	0.06	23.1	< 1	0.6	229	< 0.05	< 0.05	5.0	0.261	0.23	1.2	85	0.1	18.0
403606	1.03	1.35	14.1	312	600	9.1	8.6	< 0.002	0.05	0.62	16.6	< 1	1.9	170	0.84	< 0.05	2.5	0.609	0.29	1.5	180	1.4	11.2
403607	0.11	1.35	0.1	374	710	9.2	44.3	< 0.002	0.01	< 0.05	24.6	< 1	0.3	164	< 0.05	< 0.05	5.7	0.218	0.28	1.2	103	< 0.1	17.9
403608	0.09	1.54	0.1	323	540	9.0	39.6	< 0.002	0.01	< 0.05	23.3	< 1	0.3	178	< 0.05	< 0.05	5.6	0.189	0.26	1.1	90	< 0.1	17.3
403609	0.05	1.88	< 0.1	211	640	11.5	49.3	0.002	< 0.01	< 0.05	23.7	< 1	0.3	269	< 0.05	< 0.05	7.2	0.241	0.26	1.5	92	< 0.1	17.6
403610	< 0.05	1.89	< 0.1	150	670	11.5	51.0	< 0.002	< 0.01	< 0.05	23.9	< 1	0.2	248	< 0.05	< 0.05	7.3	0.209	0.30	1.5	84	< 0.1	18.8
403611	< 0.05	1.80	< 0.1	229	700	13.5	57.2	< 0.002	< 0.01	< 0.05	20.8	< 1	0.2	235	< 0.05	< 0.05	8.1	0.101	0.34	2.2	52	< 0.1	17.0
403612	< 0.05	1.95	< 0.1	153	690	13.3	54.2	< 0.002	< 0.01	< 0.05	20.1	< 1	1.0	262	< 0.05	< 0.05	8.1	0.091	0.31	1.9	42	< 0.1	17.1
403613	< 0.05	1.76	< 0.1	176	690	12.7	55.6	< 0.002	< 0.01	< 0.05	21.6	< 1	0.7	245	< 0.05	< 0.05	7.4	0.152	0.31	2.3	55	< 0.1	16.8
403614	0.08	1.80	0.2	160	560	12.3	55.6	< 0.002	0.01	< 0.05	21.9	< 1	0.6	244	< 0.05	< 0.05	7.1	0.145	0.32	1.6	54	< 0.1	15.9
403615	< 0.05	2.08	0.2	99.0	970	14.5	60.1	< 0.002	< 0.01	< 0.05	22.8	< 1	0.4	292	< 0.05	< 0.05	9.3	0.138	0.36	1.9	54	< 0.1	19.5
403616	< 0.05	2.09	< 0.1	78.5	770	11.2	43.5	< 0.002	0.01	< 0.05	20.7	< 1	0.2	282	< 0.05	< 0.05	7.0	0.142	0.25	1.4	57	< 0.1	16.0
403617	0.07	2.05	0.1	114	840	14.5	57.7	< 0.002	0.01	< 0.05	20.3	< 1	0.3	279	< 0.05	0.08	8.8	0.198	0.35	2.5	70	< 0.1	16.1
403618	< 0.05	2.15	< 0.1	91.7	730	12.4	50.4	< 0.002	< 0.01	< 0.05	18.9	< 1	0.2	278	< 0.05	< 0.05	7.6	0.110	0.31	1.7	44	< 0.1	15.5
403619	0.06	2.30	< 0.1	58.6	940	14.5	57.9	< 0.002	< 0.01	< 0.05	17.5	< 1	0.3	300	< 0.05	< 0.05	9.6	0.128	0.34	2.7	46	< 0.1	17.2
403620	< 0.05	2.23	0.1	57.6	940	14.4	56.1	< 0.002	< 0.01	< 0.05	17.7	< 1	0.3	295	< 0.05	< 0.05	8.9	0.123	0.33	2.1	43	< 0.1	16.6
403621	< 0.05	2.24	0.2	82.8	880	13.7	59.0	< 0.002	< 0.01	< 0.05	16.8	< 1	0.3	283	< 0.05	< 0.05	9.4	0.109	0.34	2.4	41	< 0.1	16.7
403622	< 0.05	2.31	0.1	54.3	1010	14.8	51.9	0.011	< 0.01	< 0.05	15.7	< 1	0.4	312	< 0.05	< 0.05	10.0	0.195	0.33	2.1	48	< 0.1	17.0
403623	< 0.05	2.06	< 0.1	147	880	14.0	59.4	< 0.002	0.01	< 0.05	20.4	< 1	0.5	276	< 0.05	< 0.05	10.0	0.127	0.35	2.2	50	< 0.1	17.7
403624	0.07	1.67	< 0.1	260	830	48.8	41.1	< 0.002	< 0.01	0.08	26.1	< 1	1.2	265	< 0.05	< 0.05	5.7	0.128	0.25	1.3	62	< 0.1	18.5
403625	0.24	2.21	2.5	61.2	1150	14.3	40.7	< 0.002	< 0.01	< 0.05	14.3	< 1	0.9	276	< 0.05	< 0.05	8.8	0.404	0.32	2.2	86	< 0.1	15.2
403626	0.05	2.13	0.1	86.3	870	15.2	58.2	< 0.002	0.02	< 0.05	18.5	< 1	0.4	283	< 0.05	< 0.05	9.2	0.245	0.36	2.1	75	< 0.1	17.1

Analyte Symbol	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y
Unit Symbol	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.05	0.01	0.1	0.2	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1	1	0.1	0.1
Method Code	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-ICP	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-MS	TD-MS
403627	< 0.05	2.21	0.2	77.9	930	14.9	60.4	< 0.002	< 0.01	< 0.05	17.0	< 1	0.3	290	< 0.05	< 0.05	10.0	0.200	0.35	2.3	65	< 0.1	17.4
403628	< 0.05	2.28	0.3	61.0	990	15.0	62.7	< 0.002	< 0.01	< 0.05	18.7	< 1	0.3	324	< 0.05	< 0.05	9.3	0.120	0.35	2.4	42	< 0.1	18.1
403629	< 0.05	2.14	0.2	107	840	13.4	57.3	< 0.002	< 0.01	< 0.05	18.4	< 1	0.5	280	< 0.05	< 0.05	7.8	0.127	0.32	2.9	42	< 0.1	16.6
403630	< 0.05	2.29	0.3	45.7	830	14.0	47.3	< 0.002	< 0.01	< 0.05	14.5	< 1	0.5	298	< 0.05	< 0.05	9.1	0.191	0.28	1.7	46	< 0.1	16.1
403631	0.14	2.19	13.3	60.2	1370	14.2	66.1	< 0.002	0.02	0.06	22.0	< 1	1.0	248	0.09	< 0.05	14.8	0.402	0.39	2.6	116	< 0.1	22.7
403632	0.30	2.25	6.9	59.1	1000	13.8	48.6	< 0.002	< 0.01	0.09	15.0	< 1	1.3	302	0.09	< 0.05	8.1	0.388	0.30	1.8	81	< 0.1	17.6
403633	< 0.05	2.28	0.2	37.7	870	13.6	49.3	< 0.002	< 0.01	< 0.05	15.1	< 1	0.3	309	< 0.05	< 0.05	9.3	0.147	1.87	1.8	40	< 0.1	17.5
403634	0.07	2.26	0.3	40.3	880	13.0	49.0	< 0.002	< 0.01	< 0.05	15.2	< 1	0.4	310	< 0.05	< 0.05	8.4	0.213	0.27	1.8	55	< 0.1	17.6
403635	0.30	2.23	5.4	85.7	980	14.0	34.2	< 0.002	< 0.01	< 0.05	15.9	< 1	1.0	264	0.11	< 0.05	5.8	0.471	0.30	1.7	105	< 0.1	15.3
403636	< 0.05	2.19	0.3	48.3	920	14.7	52.7	< 0.002	< 0.01	< 0.05	15.2	< 1	0.3	288	< 0.05	< 0.05	9.8	0.226	0.32	1.9	62	< 0.1	17.4
403637	< 0.05	2.26	0.2	39.1	840	14.8	59.1	< 0.002	< 0.01	< 0.05	12.4	< 1	0.5	326	< 0.05	< 0.05	11.7	0.234	0.34	2.1	56	< 0.1	16.1

Analyte Symbol	Zn	Zr	Au
Unit Symbol	ppm	ppm	g/mt
Lower Limit	2	0.5	0.005
Method Code	TD-ICP	TD-MS	FA-AA
403501	79	100	0.007
403502	86	43.9	0.010
403503	90	162	0.006
403504	97	160	0.020
403505	66	122	0.009
403506	109	147	0.010
403507	74	177	0.008
403508	79	160	0.017
403509	67	227	0.033
403510	75	139	0.010
403511	75	90.8	0.008
403512	113	152	0.010
403513	76	96.1	0.009
403514	64	84.6	0.031
403515	76	174	0.012
403516	69	182	0.041
403517	89	172	0.022
403518	84	211	0.016
403519	77	169	0.019
403520	143	305	0.391
403521	109	171	0.018
403522	83	154	0.027
403523	112	158	0.024
403524	94	164	0.014
403525	81	161	0.020
403526	91	146	0.055
403527	75	149	0.013
403528	75	137	0.014
403529	88	222	0.016
403530	78	168	0.015
403531	68	72.2	0.012
403532	73	104	0.014
403533	70	127	0.012
403534	69	145	0.014
403535	71	94.9	0.013
403536	60	143	0.011
403537	77	157	< 0.005
403538	71	58.1	< 0.005
403539	71	235	< 0.005
403540	21	58.2	< 0.005
403541	103	159	< 0.005
403542	81	67.6	< 0.005

Analyte Symbol	Zn	Zr	Au
Unit Symbol	ppm	ppm	g/mt
Lower Limit	2	0.5	0.005
Method Code	TD-ICP	TD-MS	FA-AA
403543	64	66.3	< 0.005
403544	84	123	< 0.005
403545	71	162	< 0.005
403546	61	52.6	< 0.005
403547	90	101	< 0.005
403548	102	101	< 0.005
403549	83	159	0.010
403550	86	112	0.007
403551	79	41.3	< 0.005
403552	98	120	< 0.005
403553	89	149	< 0.005
403554	95	125	< 0.005
403555	73	84.5	0.010
403556	88	142	0.076
403557	77	215	0.007
403558	83	153	< 0.005
403559	87	128	< 0.005
403560	90	138	0.012
403561	100	135	0.016
403562	110	127	0.012
403563	102	98.8	0.012
403564	102	125	< 0.005
403565	90	107	0.007
403566	105	110	0.009
403567	103	174	0.007
403568	97	118	0.007
403569	107	129	< 0.005
403570	103	131	0.012
403571	99	122	0.018
403572	97	132	0.006
403573	108	146	0.006
403574	109	120	0.013
403575	105	104	0.011
403576	108	133	0.027
403577	107	119	0.009
403578	100	175	0.011
403579	95	150	0.012
403580	141	283	0.364
403581	93	135	0.010
403582	97	123	0.014
403583	101	122	0.011
403584	106	160	0.007

Analyte Symbol	Zn	Zr	Au
Unit Symbol	ppm	ppm	g/mt
Lower Limit	2	0.5	0.005
Method Code	TD-ICP	TD-MS	FA-AA
403585	100	103	0.016
403586	103	99.5	0.013
403587	102	114	0.027
403588	98	121	0.010
403589	106	131	0.010
403590	102	119	0.011
403591	109	101	0.018
403592	113	125	0.021
403593	120	108	0.014
403594	117	102	0.013
403595	109	169	0.019
403596	110	130	0.011
403597	107	138	0.008
403598	110	136	0.014
403599	101	110	0.008
403600	103	104	0.022
403601	47	73.6	0.025
403602	108	87.9	0.009
403603	106	131	0.010
403604	113	116	0.012
403605	89	111	0.008
403606	92	129	0.011
403607	93	92.0	0.006
403608	81	118	0.005
403609	87	134	0.016
403610	87	118	0.005
403611	90	95.5	0.011
403612	84	112	< 0.005
403613	82	80.1	0.005
403614	87	71.7	0.007
403615	89	151	0.007
403616	73	112	< 0.005
403617	80	134	< 0.005
403618	74	111	< 0.005
403619	73	71.0	< 0.005
403620	73	131	0.006
403621	77	127	< 0.005
403622	69	134	< 0.005
403623	86	102	0.006
403624	82	92.5	0.010
403625	69	164	< 0.005
403626	81	165	0.005

Analyte Symbol	Zn	Zr	Au
Unit Symbol	ppm	ppm	g/mt
Lower Limit	2	0.5	0.005
Method Code	TD-ICP	TD-MS	FA-AA
403627	76	102	0.007
403628	76	145	< 0.005
403629	75	112	0.007
403630	68	174	< 0.005
403631	118	214	0.005
403632	95	244	0.023
403633	63	144	< 0.005
403634	62	188	0.007
403635	77	239	< 0.005
403636	73	158	0.007
403637	57	173	< 0.005

Analyte Symbol	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn
Unit Symbol	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5
Method Code	TD-MS	TD-ICP	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-ICP
GXR-1 Meas	35.2	2.06	431	600	0.70	1510	0.91	2.51	15.1	7.9	16	2.61	1180	24.3	3.52		0.4	0.790	0.05	7.5	8.1	0.21	871
GXR-1 Cert	31.0	3.52	427	750	1.22	1380	0.960	3.30	17.0	8.20	12.0	3.00	1110	23.6	13.8		0.960	0.770	0.050	7.50	8.20	0.217	852
GXR-1 Meas		1.97		660			0.90				17			24.1					0.04			0.21	898
GXR-1 Cert		3.52		750			0.960				12.0			23.6					0.050			0.217	852
GXR-1 Meas		2.18		660			0.90				14			24.3					0.04			0.21	900
GXR-1 Cert		3.52		750			0.960				12.0			23.6					0.050			0.217	852
DH-1a Meas																							
DH-1a Cert																							
DH-1a Meas																							
DH-1a Cert																							
DH-1a Meas																							
DH-1a Cert																							
GXR-4 Meas	3.72	6.93	101	150	1.90	19.7	1.11	0.32	110	13.2	42	2.37	6430	3.02	15.7		1.2	0.200	2.07	55.3	10.8	1.74	163
GXR-4 Cert	4.00	7.20	98.0	1640	1.90	19.0	1.01	0.860	102	14.6	64.0	2.80	6520	3.09	20.0		6.30	0.270	4.01	64.5	11.1	1.66	155
GXR-4 Meas	3.51	6.60	103	90	2.00	18.9	1.07	0.32	109	14.2	69	2.63	6300	3.03	17.0		1.3	0.216	2.57	56.5	10.5	1.68	156
GXR-4 Cert	4.00	7.20	98.0	1640	1.90	19.0	1.01	0.860	102	14.6	64.0	2.80	6520	3.09	20.0		6.30	0.270	4.01	64.5	11.1	1.66	155
GXR-4 Meas	2.79	6.47	94.7	150	1.71	19.1	1.06	0.31	96.2	12.7	38	2.34	6060	3.02	16.8		1.4	0.223	3.85	53.6	9.5	1.66	159
GXR-4 Cert	4.00	7.20	98.0	1640	1.90	19.0	1.01	0.860	102	14.6	64.0	2.80	6520	3.09	20.0		6.30	0.270	4.01	64.5	11.1	1.66	155
SDC-1 Meas		8.01	< 0.2	570	2.80		1.09		86.4	17.6	46	3.61	30.7	4.45	17.3		1.0		1.64	37.0	35.4	0.99	852
SDC-1 Cert		8.34	0.220	630	3.00		1.00		93.00	18.0	64.00	4.00	30.000	4.82	21.00		8.30		2.72	42.00	34.0	1.02	880.00
SDC-1 Meas		7.93	< 0.2	630	2.89		1.07		87.1	19.0	38	3.80	32.1	4.74	22.3		1.2		2.57	35.8	34.6	0.99	869
SDC-1 Cert		8.34	0.220	630	3.00		1.00		93.00	18.0	64.00	4.00	30.000	4.82	21.00		8.30		2.72	42.00	34.0	1.02	880.00
SDC-1 Meas		7.51	< 0.2	600	2.96		1.04		83.1	18.5	63	3.88	32.8	4.60	22.3		0.9		1.72	37.7	33.0	0.96	855
SDC-1 Cert		8.34	0.220	630	3.00		1.00		93.00	18.0	64.00	4.00	30.000	4.82	21.00		8.30		2.72	42.00	34.0	1.02	880.00
GXR-6 Meas	0.23	13.7	272	1220	0.80	0.18	0.20	0.09	34.4	12.2	48	3.80	66.6	5.44	13.2		2.4	0.060	1.62	12.4	33.2	0.63	1070
GXR-6 Cert	1.30	17.7	330	1300	1.40	0.290	0.180	1.00	36.0	13.8	96.0	4.20	66.0	5.58	35.0		4.30	0.260	1.87	13.9	32.0	0.609	1010
GXR-6 Meas	0.20	13.3	285	1300	1.13	0.17	0.19	0.04	30.3	13.5	45	4.02	66.7	5.51	30.6		2.5	0.064	1.74	10.0	35.2	0.62	1060
GXR-6 Cert	1.30	17.7	330	1300	1.40	0.290	0.180	1.00	36.0	13.8	96.0	4.20	66.0	5.58	35.0		4.30	0.260	1.87	13.9	32.0	0.609	1010
GXR-6 Meas	0.15	12.7	255	1280	1.13	0.19	0.19	0.08	34.7	13.4	55	4.13	67.3	5.43	25.5		2.4	0.068	1.69	13.0	33.3	0.58	1050
GXR-6 Cert	1.30	17.7	330	1300	1.40	0.290	0.180	1.00	36.0	13.8	96.0	4.20	66.0	5.58	35.0		4.30	0.260	1.87	13.9	32.0	0.609	1010
DNC-1a Meas				90						54.1	146		96.9		11.4					3.6	4.7		
DNC-1a Cert				118						57	270		100		15					3.6	5.2		
DNC-1a Meas				100						62.1	113		103		14.2					3.9	4.6		
DNC-1a Cert				118						57	270		100		15					3.6	5.2		
DNC-1a Meas				100						61.9	164		107		14.8					3.8	4.4		
DNC-1a Cert				118						57	270		100		15					3.6	5.2		
OREAS 13b (fusion) Meas		7.34		200			5.57				9910			8.22					1.06			2.86	1220
OREAS 13b (fusion) Cert		8.41		690			5.57				10800.00			8.41					2.30			3.01	1300.000
SBC-1 Meas			26.2	610	3.10	0.72		0.29	107	21.9	81	7.52	30.8		21.9		3.0			48.3	166		
SBC-1 Cert			25.7	788.0	3.20	0.70		0.40	108.0	22.7	109	8.2	31.0000		27.0		3.7			52.5	163		

Analyte Symbol	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn
Unit Symbol	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5
Method Code	TD-MS	TD-ICP	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-ICP
SBC-1 Meas			25.0	680	3.46	0.71		0.41	113	24.1	77	8.53	33.1		27.5		3.6			52.4	166		
SBC-1 Cert			25.7	788.0	3.20	0.70		0.40	108.0	22.7	109	8.2	31.0000		27.0		3.7			52.5	163		
SBC-1 Meas			23.4	670	3.06	0.73		0.39	100	22.5	82	7.75	31.5		24.8		3.5			49.8	150		
SBC-1 Cert			25.7	788.0	3.20	0.70		0.40	108.0	22.7	109	8.2	31.0000		27.0		3.7			52.5	163		
OREAS 45d (4-Acid) Meas		7.83	5.3	170	0.50	0.35	0.20		34.2	27.5	584	3.29	346	14.2	16.7		3.1	0.080	0.41	15.7	19.9	0.24	515
OREAS 45d (4-Acid) Cert		8.150	13.8	183.0	0.79	0.31	0.185		37.20	29.50	549	3.910	371	14.5	21.20		3.830	0.096	0.412	16.9	21.5	0.245	490.000
OREAS 45d (4-Acid) Meas		7.67	7.1	180	0.75	0.44	0.20		36.7	29.5	476	3.67	362	13.9	20.0		2.1	0.097	0.38	16.3	19.8	0.24	493
OREAS 45d (4-Acid) Cert		8.150	13.8	183.0	0.79	0.31	0.185		37.20	29.50	549	3.910	371	14.5	21.20		3.830	0.096	0.412	16.9	21.5	0.245	490.000
OREAS 45d (4-Acid) Meas		7.86	5.8	180	0.72	0.40	0.20		35.3	30.5	525	3.69	386	14.3	21.9		1.5	0.098	0.39	16.7	18.6	0.24	510
OREAS 45d (4-Acid) Cert		8.150	13.8	183.0	0.79	0.31	0.185		37.20	29.50	549	3.910	371	14.5	21.20		3.830	0.096	0.412	16.9	21.5	0.245	490.000
SdAR-M2 (U.S.G.S.) Meas				950	6.73	1.05		5.30	99.9	13.9	34	1.77	248		19.4		3.9			45.3	17.8		
SdAR-M2 (U.S.G.S.) Cert				990	6.6	1.05		5.1	98.8	12.4	49.6	1.82	236.0000		17.6		7.29			46.6	17.9		
SdAR-M2 (U.S.G.S.) Meas				1000	5.95	1.11		4.87	92.8	12.4	51	1.68	235		13.7		1.7			44.7	15.1		
SdAR-M2 (U.S.G.S.) Cert				990	6.6	1.05		5.1	98.8	12.4	49.6	1.82	236.0000		17.6		7.29			46.6	17.9		
SdAR-M2 (U.S.G.S.) Meas				990							40												
SdAR-M2 (U.S.G.S.) Cert				990							49.6												
OREAS 223 (Fire Assay) Meas																							
OREAS 223 (Fire Assay) Cert																							
OREAS 223 (Fire Assay) Meas																							
OREAS 223 (Fire Assay) Cert																							
OREAS 223 (Fire Assay) Meas																							
OREAS 223 (Fire Assay) Cert																							
OREAS 223 (Fire Assay) Meas																							
OREAS 223 (Fire Assay) Cert																							
OREAS 223 (Fire																							

Analyte Symbol	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn
Unit Symbol	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5
Method Code	TD-MS	TD-ICP	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-ICP
Assay) Meas																							
OREAS 223 (Fire Assay) Cert																							
OREAS 223 (Fire Assay) Meas																							
OREAS 223 (Fire Assay) Cert																							
OREAS 223 (Fire Assay) Meas																							
OREAS 223 (Fire Assay) Cert																							
OREAS 218 Meas																							
OREAS 218 Cert																							
OREAS 218 Meas																							
OREAS 218 Cert																							
OREAS 218 Meas																							
OREAS 218 Cert																							
OREAS 218 Meas																							
OREAS 218 Cert																							
OREAS 218 Meas																							
OREAS 218 Cert																							
OREAS 218 Meas																							
OREAS 218 Cert																							
403501 Orig	< 0.01	6.78	< 0.2	510	1.97	0.08	2.08	0.14	103	23.7	167	1.59	38.8	4.77	19.2	< 0.05	1.1	0.057	1.52	51.2	22.8	1.58	778
403501 Dup	< 0.01	6.94	0.3	510	2.27	0.10	2.09	0.15	105	24.7	152	1.71	40.5	4.82	20.9	< 0.05	1.7	0.070	1.43	52.5	24.0	1.60	805
403510 Orig	< 0.01	7.01	0.7	400	1.10	0.06	2.06	0.10	62.3	23.5	197	1.11	38.3	4.99	13.7	< 0.05	3.1	0.040	1.33	28.0	17.9	1.93	1020
403510 Dup	< 0.01	7.16	< 0.2	410	1.20	0.06	2.08	0.07	62.9	23.6	219	1.14	40.0	5.00	13.7	< 0.05	2.9	0.060	1.34	27.9	17.7	1.95	1040
403520 Orig																							
403520 Dup																							
403539 Orig		6.74		560			2.10				70			3.39					1.75			0.95	630
403539 Dup		6.89		580			2.12				66			3.43					1.73			0.96	630
403541 Orig		7.47		540			2.07				126			5.41					1.58			1.61	930
403541 Dup		7.39		530			2.09				128			5.38					1.69			1.61	942
403546 Orig																							
403546 Dup																							
403548 Orig	< 0.01	7.00	< 0.2	480	2.10	0.08	2.75	0.25	141	30.4	218	1.42	67.6	5.36	13.6	< 0.05	2.1	0.060	1.32	58.7	24.7	2.20	1280
403548 Dup	< 0.01	6.95	< 0.2	470	2.00	0.08	2.74	0.24	142	29.8	209	1.45	65.2	5.44	13.5	< 0.05	1.9	0.060	1.30	57.5	24.2	2.18	1280
403550 Orig	< 0.01	6.92	3.0	370	1.10	0.07	3.66	0.11	56.4	27.7	201	0.93	137	6.69	11.8	< 0.05	2.4	0.050	1.11	27.5	16.7	2.38	1060
403550 Dup	< 0.01	7.02	3.3	370	1.50	0.08	3.70	0.11	60.3	30.4	170	1.03	161	6.84	12.9	< 0.05	2.2	0.060	1.13	29.6	17.8	2.41	1070
403556 Orig																							
403556 Dup																							

Analyte Symbol	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn
Unit Symbol	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5
Method Code	TD-MS	TD-ICP	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-ICP
403577 Orig		7.56		440			2.62				177			6.92					1.35			2.17	1380
403577 Dup		7.43		440			2.61				191			6.84					1.32			2.14	1360
403582 Orig		7.09		420			2.32				168			5.85					1.23			1.82	1040
403582 Dup		6.84		420			2.36				194			6.01					1.28			1.85	1070
403586 Orig	< 0.01	7.76	6.6	420	1.10	0.10	2.26	0.12	49.0	31.6	177	1.55	88.3	6.53	14.3	< 0.05	2.0	0.060	1.23	23.5	21.4	2.08	1010
403586 Dup	< 0.01	7.93	7.2	430	1.10	0.10	2.30	0.15	48.6	32.8	188	1.64	92.2	6.69	14.5	< 0.05	2.2	0.060	1.28	23.6	22.2	2.11	1020
403591 Orig	< 0.01	7.67	7.9	420	1.30	0.15	1.97	0.14	55.6	31.5	209	1.71	86.9	6.61	14.3	< 0.05	2.4	0.060	1.40	28.0	22.5	2.09	972
403591 Dup	< 0.01	7.74	9.4	420	1.10	0.14	1.99	0.13	53.1	31.3	229	1.70	86.2	6.72	14.2	< 0.05	2.0	0.070	1.41	27.0	22.2	2.09	980
403592 Orig																							
403592 Dup																							
403613 Orig	< 0.01	6.92	14.6	430	1.41	0.12	2.75	0.09	65.8	30.9	228	1.62	53.0	5.58	17.8	< 0.05	2.2	0.068	1.28	30.6	20.1	3.00	862
403613 Dup	< 0.01	6.78	15.3	430	1.50	0.13	2.72	0.09	72.4	33.0	210	1.67	57.3	5.59	18.8	< 0.05	2.1	0.069	1.28	33.6	21.4	3.00	879
403618 Orig																							
403618 Dup																							
403623 Orig	< 0.01	7.09	4.7	460	1.73	0.12	2.45	0.06	86.2	30.9	176	1.96	74.0	5.42	19.5	< 0.05	2.5	0.059	1.33	41.7	24.3	2.41	961
403623 Dup	< 0.01	7.06	5.6	460	1.78	0.12	2.44	0.07	84.7	30.4	170	1.99	73.0	5.34	19.4	< 0.05	2.8	0.063	1.34	41.3	24.4	2.38	920
403625 Orig	< 0.01	6.26	0.8	460	1.53	0.08	2.32	0.10	72.8	20.5	146	1.44	35.5	4.10	17.0	< 0.05	4.4	0.057	1.34	32.8	19.3	1.44	746
403625 Dup	< 0.01	6.63	< 0.2	470	1.52	0.07	2.36	0.12	86.9	19.8	125	1.37	34.3	4.17	16.9	< 0.05	4.0	0.059	0.85	41.4	18.5	1.48	750
403628 Orig																							
403628 Dup																							
Method Blank	< 0.01	< 0.01	< 0.2	< 10	< 0.05	< 0.01	< 0.01	< 0.02	< 0.01	< 0.1		< 0.05	0.8	< 0.01	0.18	< 0.05	< 0.1	< 0.005	< 0.01	< 0.5	< 0.2	< 0.01	
Method Blank		< 0.01		< 10			< 0.01							< 0.01					< 0.01			< 0.01	
Method Blank		< 0.01		< 10			< 0.01							< 0.01					< 0.01			< 0.01	
Method Blank	0.01	< 0.01	< 0.2	< 10	0.06	< 0.01	< 0.01	< 0.02	0.02	< 0.1		< 0.05	0.8	< 0.01	0.18	< 0.05	< 0.1	0.008	< 0.01	< 0.5	< 0.2	< 0.01	
Method Blank	< 0.01		< 0.2		< 0.05	0.06		< 0.02	0.11	< 0.1		< 0.05	< 0.2		0.19	< 0.05	< 0.1	< 0.005		< 0.5	< 0.2		
Method Blank	< 0.01		< 0.2		< 0.05	0.06		< 0.02	< 0.01	< 0.1		< 0.05	< 0.2		0.19	< 0.05	< 0.1	< 0.005		< 0.5	< 0.2		
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																							
Method Blank																							
Method Blank	< 0.01	< 0.01	< 0.2	< 10	< 0.05	< 0.01	< 0.01	< 0.02	0.01	< 0.1		< 0.05	0.8	< 0.01	0.16	< 0.05	< 0.1	< 0.005	< 0.01	< 0.5	< 0.2	< 0.01	
Method Blank	< 0.01	< 0.01	< 0.2	< 10	< 0.05	< 0.01	< 0.01	< 0.02	< 0.01	< 0.1		< 0.05	0.3	< 0.01	0.18	< 0.05	< 0.1	< 0.005	< 0.01	< 0.5	< 0.2	< 0.01	
Method Blank	< 0.01	< 0.01	< 0.2	< 10	< 0.05	< 0.01	< 0.01	< 0.02	< 0.01	< 0.1		< 0.05	0.2	< 0.01	0.18	< 0.05	< 0.1	< 0.005	< 0.01	< 0.5	< 0.2	< 0.01	

Analyte Symbol	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn
Unit Symbol	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5
Method Code	TD-MS	TD-ICP	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-ICP
Method Blank	< 0.01	0.01	< 0.2	< 10	< 0.05	< 0.01	< 0.01	< 0.02	0.05	< 0.1		< 0.05	< 0.2	< 0.01	0.20	< 0.05	< 0.1	< 0.005	< 0.01	< 0.5	< 0.2	< 0.01	

Analyte Symbol	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y
Unit Symbol	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.05	0.01	0.1	0.2	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1	1	0.1	0.1
Method Code	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-ICP	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-MS	TD-MS
GXR-1 Meas	18.0	0.04	0.6	40.3	610	793	2.8		0.24	25.4	1.4	15	28.7	301	< 0.05	7.84	2.8	0.026	0.38	32.6	89	140	30.2
GXR-1 Cert	18.0	0.0520	0.800	41.0	650	730	14.0		0.257	122	1.58	16.6	54.0	275	0.175	13.0	2.44	0.036	0.390	34.9	80.0	164	32.0
GXR-1 Meas		0.05			590				0.25									0.026			88		
GXR-1 Cert		0.0520			650				0.257									0.036			80.0		
GXR-1 Meas		0.05			590				0.25									0.026			89		
GXR-1 Cert		0.0520			650				0.257									0.036			80.0		
DH-1a Meas																	961			2370			
DH-1a Cert																	910			2629			
DH-1a Meas																	968			2520			
DH-1a Cert																	910			2629			
DH-1a Meas																	912			2500			
DH-1a Cert																	910			2629			
GXR-4 Meas	308	0.51	10.4	38.0	1400	50.3	109		1.79	4.39	7.3	5	7.7	200	0.60	0.88	21.1	0.285	3.12	5.9	90	37.5	13.7
GXR-4 Cert	310	0.564	10.0	42.0	1200	52.0	160		1.77	4.80	7.70	5.60	5.60	221	0.790	0.970	22.5	0.29	3.20	6.20	87.0	30.8	14.0
GXR-4 Meas	326	0.51	9.6	41.6	1310	51.3	136		1.83	4.22	7.0	5	7.6	207	0.59	0.83	20.4	0.290	3.12	5.8	88	34.6	11.3
GXR-4 Cert	310	0.564	10.0	42.0	1200	52.0	160		1.77	4.80	7.70	5.60	5.60	221	0.790	0.970	22.5	0.29	3.20	6.20	87.0	30.8	14.0
GXR-4 Meas	300	0.52	7.6	39.1	1290	50.3	113		1.81	4.07	6.6	5	6.4	193	0.54	0.80	18.8	0.279	3.07	5.4	86	36.6	11.8
GXR-4 Cert	310	0.564	10.0	42.0	1200	52.0	160		1.77	4.80	7.70	5.60	5.60	221	0.790	0.970	22.5	0.29	3.20	6.20	87.0	30.8	14.0
SDC-1 Meas		1.45	0.1	34.5	550	24.9	114			< 0.05	15.2		0.8	171	< 0.05		12.2	0.182	0.61	5.7	52	< 0.1	
SDC-1 Cert		1.52	21.00	38.0	690	25.00	127.00			0.54	17.00		3.00	180.00	1.20		12.00	0.606	0.70	3.10	102.00	0.80	
SDC-1 Meas		1.52	< 0.1	35.7	530	24.6	94.9			< 0.05	14.4		0.6	173	< 0.05		11.2	0.092	0.60	2.6	35	< 0.1	
SDC-1 Cert		1.52	21.00	38.0	690	25.00	127.00			0.54	17.00		3.00	180.00	1.20		12.00	0.606	0.70	3.10	102.00	0.80	
SDC-1 Meas		1.48	< 0.1	38.8	530	26.8	113			< 0.05	14.7		< 0.2	180	< 0.05		11.3	0.223	0.64	2.8	57	< 0.1	
SDC-1 Cert		1.52	21.00	38.0	690	25.00	127.00			0.54	17.00		3.00	180.00	1.20		12.00	0.606	0.70	3.10	102.00	0.80	
GXR-6 Meas	0.97	0.10	2.9	22.4	380	100	76.7		0.02	1.52	24.8	< 1	1.0	38.7	0.17	< 0.05	5.7		2.07	1.5	174	0.8	12.5
GXR-6 Cert	2.40	0.104	7.50	27.0	350	101	90.0		0.0160	3.60	27.6	0.940	1.70	35.0	0.485	0.0180	5.30		2.20	1.54	186	1.90	14.0
GXR-6 Meas	1.29	0.10	3.2	24.0	350	102	68.6		0.02	2.07	23.9	< 1	1.3	38.3	< 0.05	< 0.05	4.6		2.03	1.4	152	< 0.1	9.3
GXR-6 Cert	2.40	0.104	7.50	27.0	350	101	90.0		0.0160	3.60	27.6	0.940	1.70	35.0	0.485	0.0180	5.30		2.20	1.54	186	1.90	14.0
GXR-6 Meas	0.56	0.10	0.7	25.6	350	109	75.8		0.02	0.66	24.6	< 1	0.6	41.0	< 0.05	< 0.05	5.3		2.15	1.5	156	0.4	11.8
GXR-6 Cert	2.40	0.104	7.50	27.0	350	101	90.0		0.0160	3.60	27.6	0.940	1.70	35.0	0.485	0.0180	5.30		2.20	1.54	186	1.90	14.0
DNC-1a Meas			1.6	258		6.0	3.6			0.34	31.3			143				0.269			140		16.7
DNC-1a Cert			3	247		6.3	5			0.96	31			144				0.29			148		18.0
DNC-1a Meas			1.6	288		6.4	3.6			0.38	32.3			151				0.283			139		14.9
DNC-1a Cert			3	247		6.3	5			0.96	31			144				0.29			148		18.0
DNC-1a Meas			1.5	310		6.6	3.6			0.75	32.9			159				0.283			141		16.5
DNC-1a Cert			3	247		6.3	5			0.96	31			144				0.29			148		18.0
OREAS 13b (fusion) Meas		1.63			1780				1.10					453				0.660			320		
OREAS 13b (fusion) Cert		1.67			1890.000				1.19					537				0.711			330		
SBC-1 Meas	2.48		12.4	85.6		37.7	148			1.04	20.4		3.8	175	0.50		16.8	0.492	0.88	5.8	224	1.6	32.5
SBC-1 Cert	2.40		15.3	82.8		35.0	147			1.01	20.0		3.3	178.0	1.10		15.8	0.51	0.89	5.76	220.0	1.60	36.5
SBC-1 Meas	2.42		16.8	91.3		38.3	141			1.05	20.8		4.0	186	1.14		17.1	0.507	0.92	6.0	219	1.6	28.8

Analyte Symbol	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y
Unit Symbol	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.05	0.01	0.1	0.2	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1	1	0.1	0.1
Method Code	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-ICP	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-MS	TD-MS
SBC-1 Cert	2.40		15.3	82.8		35.0	147			1.01	20.0		3.3	178.0	1.10		15.8	0.51	0.89	5.76	220.0	1.60	36.5
SBC-1 Meas	2.51		11.5	90.0		35.4	136			1.11	18.9		3.1	180	0.61		15.5	0.511	0.90	5.7	216	1.7	30.0
SBC-1 Cert	2.40		15.3	82.8		35.0	147			1.01	20.0		3.3	178.0	1.10		15.8	0.51	0.89	5.76	220.0	1.60	36.5
OREAS 45d (4-Acid) Meas	0.38	0.09	0.1	219	370	21.2	37.8		0.04	< 0.05	46.4		0.4	24.8	< 0.05		14.9	0.387	0.23	2.7	179	0.2	11.1
OREAS 45d (4-Acid) Cert	2.500	0.101	14.50	231.0	420.000	21.8	42.1		0.049	0.82	49.30		2.78	31.30	1.02		14.5	0.773	0.27	2.63	235.0	1.62	9.53
OREAS 45d (4-Acid) Meas	0.34	0.09	0.2	233	330	22.0	38.5		0.04	< 0.05	47.7		0.6	30.0	< 0.05		15.3	0.128	0.24	2.8	99	< 0.1	9.3
OREAS 45d (4-Acid) Cert	2.500	0.101	14.50	231.0	420.000	21.8	42.1		0.049	0.82	49.30		2.78	31.30	1.02		14.5	0.773	0.27	2.63	235.0	1.62	9.53
OREAS 45d (4-Acid) Meas	0.18	0.10	< 0.1	254	350	23.5	39.1		0.05	< 0.05	47.6		0.3	31.2	< 0.05		14.6	0.202	0.26	2.8	119	< 0.1	11.0
OREAS 45d (4-Acid) Cert	2.500	0.101	14.50	231.0	420.000	21.8	42.1		0.049	0.82	49.30		2.78	31.30	1.02		14.5	0.773	0.27	2.63	235.0	1.62	9.53
SdAR-M2 (U.S.G.S.) Meas	13.1		11.8	52.1		830	144				3.9			143	0.09		14.9			2.6	28	0.6	21.9
SdAR-M2 (U.S.G.S.) Cert	13.3		26.2	48.8		808	149				4.1			144	1.8		14.2			2.53	25.2	2.8	32.7
SdAR-M2 (U.S.G.S.) Meas	9.79		2.0	49.7		858	124				3.6			136	< 0.05		14.0			2.7	26	0.2	22.7
SdAR-M2 (U.S.G.S.) Cert	13.3		26.2	48.8		808	149				4.1			144	1.8		14.2			2.53	25.2	2.8	32.7
SdAR-M2 (U.S.G.S.) Meas																					26		
SdAR-M2 (U.S.G.S.) Cert																					25.2		
OREAS 223 (Fire Assay) Meas																							
OREAS 223 (Fire Assay) Cert																							
OREAS 223 (Fire Assay) Meas																							
OREAS 223 (Fire Assay) Cert																							
OREAS 223 (Fire Assay) Meas																							
OREAS 223 (Fire Assay) Cert																							
OREAS 223 (Fire Assay) Meas																							
OREAS 223 (Fire Assay) Cert																							
OREAS 223 (Fire Assay) Meas																							
OREAS 223 (Fire Assay) Cert																							

Analyte Symbol	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y
Unit Symbol	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.05	0.01	0.1	0.2	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1	1	0.1	0.1
Method Code	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-ICP	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-MS	TD-MS
OREAS 223 (Fire Assay) Meas																							
OREAS 223 (Fire Assay) Cert																							
OREAS 223 (Fire Assay) Meas																							
OREAS 223 (Fire Assay) Cert																							
OREAS 218 Meas																							
OREAS 218 Cert																							
OREAS 218 Meas																							
OREAS 218 Cert																							
OREAS 218 Meas																							
OREAS 218 Cert																							
OREAS 218 Meas																							
OREAS 218 Cert																							
OREAS 218 Meas																							
OREAS 218 Cert																							
OREAS 218 Meas																							
OREAS 218 Cert																							
403501 Orig	0.07	2.24	< 0.1	73.3	970	14.5	62.4	< 0.002	< 0.01	< 0.05	18.5	< 1	0.8	273	< 0.05	1.26	10.2	0.260	0.34	2.3	71	< 0.1	20.1
403501 Dup	0.07	2.26	< 0.1	78.4	980	15.6	63.4	< 0.002	< 0.01	< 0.05	19.3	< 1	0.5	283	< 0.05	0.05	10.6	0.270	0.36	2.3	71	< 0.1	22.0
403510 Orig	0.09	1.95	0.1	68.0	670	9.9	46.5	< 0.002	< 0.01	< 0.05	21.7	< 1	0.4	207	< 0.05	< 0.05	6.5	0.203	0.24	1.4	65	0.1	22.9
403510 Dup	0.07	1.99	< 0.1	66.9	660	9.8	46.7	< 0.002	< 0.01	< 0.05	21.5	< 1	0.3	208	< 0.05	< 0.05	6.6	0.176	0.24	1.4	61	0.1	22.6
403520 Orig																							
403520 Dup																							
403539 Orig		2.31			740				< 0.01									0.267			66		
403539 Dup		2.32			780				< 0.01									0.291			72		
403541 Orig		2.16			1020				0.01									0.301			97		
403541 Dup		2.15			1020				< 0.01									0.262			87		
403546 Orig																							
403546 Dup																							
403548 Orig	0.12	2.04	0.3	148	1420	13.1	54.4	< 0.002	< 0.01	< 0.05	21.0	< 1	0.7	277	< 0.05	< 0.05	10.6	0.207	0.31	2.0	85	0.1	25.7
403548 Dup	0.08	2.02	0.2	145	1390	13.2	53.2	< 0.002	< 0.01	< 0.05	20.8	< 1	0.6	266	< 0.05	< 0.05	10.8	0.167	0.30	1.9	73	< 0.1	25.6
403550 Orig	0.07	1.93	0.1	59.8	980	9.2	35.1	< 0.002	< 0.01	< 0.05	25.0	< 1	0.4	252	< 0.05	< 0.05	5.3	0.256	0.19	1.3	101	0.1	19.2
403550 Dup	0.05	1.95	0.1	66.3	990	9.7	38.3	< 0.002	< 0.01	< 0.05	25.2	< 1	0.4	273	< 0.05	< 0.05	5.4	0.195	0.21	1.4	89	< 0.1	20.9
403556 Orig																							
403556 Dup																							
403577 Orig		1.81			740				0.01									0.206			71		
403577 Dup		1.79			770				0.01									0.184			67		
403582 Orig		1.89			750				0.01									0.135			48		

Analyte Symbol	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y
Unit Symbol	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.05	0.01	0.1	0.2	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1	1	0.1	0.1
Method Code	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-ICP	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-MS	TD-MS
403582 Dup		1.93			730				0.01									0.178			60		
403586 Orig	0.06	1.75	0.1	75.6	730	10.1	43.2	< 0.002	0.02	< 0.05	24.7	< 1	0.4	181	< 0.05	< 0.05	6.0	0.138	0.28	1.2	64	0.1	19.4
403586 Dup	0.06	1.78	0.1	79.8	760	10.6	44.2	< 0.002	0.02	0.05	25.5	< 1	0.5	190	< 0.05	< 0.05	6.0	0.173	0.29	1.2	69	< 0.1	19.9
403591 Orig	0.08	1.69	0.7	94.4	670	12.8	53.3	< 0.002	0.01	0.07	24.1	< 1	0.5	162	< 0.05	< 0.05	7.9	0.230	0.36	1.7	81	0.1	20.3
403591 Dup	0.06	1.69	0.1	95.3	690	12.4	50.8	< 0.002	0.01	< 0.05	23.2	< 1	0.5	164	< 0.05	< 0.05	7.1	0.233	0.35	1.6	80	< 0.1	20.1
403592 Orig																							
403592 Dup																							
403613 Orig	0.07	1.77	0.3	172	710	12.4	54.3	< 0.002	< 0.01	0.07	21.0	< 1	0.9	241	< 0.05	< 0.05	7.3	0.182	0.31	2.2	58	< 0.1	16.4
403613 Dup	< 0.05	1.76	< 0.1	181	670	13.1	56.8	< 0.002	< 0.01	< 0.05	22.1	< 1	0.5	249	< 0.05	< 0.05	7.6	0.122	0.32	2.3	52	< 0.1	17.2
403618 Orig																							
403618 Dup																							
403623 Orig	< 0.05	2.07	0.2	149	870	14.1	59.8	< 0.002	0.01	0.06	20.5	< 1	0.7	275	< 0.05	< 0.05	10.0	0.143	0.35	2.2	52	< 0.1	17.7
403623 Dup	< 0.05	2.05	< 0.1	146	890	14.0	59.0	< 0.002	0.01	< 0.05	20.3	< 1	0.3	276	< 0.05	< 0.05	10.0	0.112	0.35	2.1	49	< 0.1	17.6
403625 Orig	0.26	2.22	4.5	61.9	1100	14.7	40.5	0.002	< 0.01	< 0.05	14.2	< 1	0.8	271	< 0.05	< 0.05	9.1	0.386	0.32	2.3	84	< 0.1	14.6
403625 Dup	0.23	2.21	0.4	60.5	1200	13.9	40.9	< 0.002	< 0.01	< 0.05	14.4	< 1	0.9	280	< 0.05	< 0.05	8.5	0.421	0.32	2.0	88	< 0.1	15.9
403628 Orig																							
403628 Dup																							
Method Blank	0.09	< 0.01	< 0.1	< 0.2	< 10	< 0.5	< 0.1	< 0.002	< 0.01	< 0.05	< 0.1	< 1	< 0.2	< 0.2	< 0.05	< 0.05	< 0.2	< 0.005	< 0.02	< 0.1	< 1	< 0.1	< 0.1
Method Blank		< 0.01			< 10				< 0.01									< 0.005			< 1		
Method Blank		< 0.01			< 10				< 0.01									< 0.005			< 1		
Method Blank	0.09	< 0.01	< 0.1	< 0.2	< 10	< 0.5	< 0.1	< 0.002	< 0.01	0.05	< 0.1	< 1	< 0.2	< 0.2	< 0.05	0.08	< 0.2	< 0.005	< 0.02	< 0.1	< 1	< 0.1	< 0.1
Method Blank	0.09		< 0.1	< 0.2		< 0.5	< 0.1	< 0.002		< 0.05	0.2	< 1	< 0.2	< 0.2	< 0.05	< 0.05	< 0.2		< 0.02	< 0.1		< 0.1	< 0.1
Method Blank	0.08		< 0.1	< 0.2		< 0.5	< 0.1	< 0.002		< 0.05	< 0.1	< 1	< 0.2	< 0.2	< 0.05	< 0.05	< 0.2		< 0.02	< 0.1		< 0.1	< 0.1
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																							
Method Blank	0.13	< 0.01	< 0.1	< 0.2	< 10	< 0.5	< 0.1	< 0.002	< 0.01	< 0.05	0.1	< 1	0.3	< 0.2	< 0.05	< 0.05	< 0.2	< 0.005	< 0.02	< 0.1	< 1	0.1	< 0.1
Method Blank	0.07	< 0.01	< 0.1	< 0.2	< 10	< 0.5	< 0.1	< 0.002	< 0.01	< 0.05	< 0.1	< 1	1.2	< 0.2	< 0.05	< 0.05	< 0.2	< 0.005	< 0.02	< 0.1	< 1	0.1	< 0.1
Method Blank	0.08	< 0.01	< 0.1	< 0.2	< 10	< 0.5	< 0.1	< 0.002	< 0.01	< 0.05	< 0.1	< 1	0.3	< 0.2	< 0.05	< 0.05	< 0.2	< 0.005	< 0.02	< 0.1	< 1	< 0.1	< 0.1
Method Blank	0.09	< 0.01	< 0.1	< 0.2	< 10	< 0.5	< 0.1	< 0.002	< 0.01	< 0.05	< 0.1	< 1	0.3	< 0.2	< 0.05	< 0.05	< 0.2	< 0.005	< 0.02	< 0.1	< 1	0.1	< 0.1

Analyte Symbol	Zn	Zr	Au
Unit Symbol	ppm	ppm	g/mt
Lower Limit	2	0.5	0.005
Method Code	TD-ICP	TD-MS	FA-AA
GXR-1 Meas	799	23.4	
GXR-1 Cert	760	38.0	
GXR-1 Meas	805		
GXR-1 Cert	760		
GXR-1 Meas	793		
GXR-1 Cert	760		
DH-1a Meas			
DH-1a Cert			
DH-1a Meas			
DH-1a Cert			
DH-1a Meas			
DH-1a Cert			
GXR-4 Meas	75	47.7	
GXR-4 Cert	73.0	186	
GXR-4 Meas	74	42.8	
GXR-4 Cert	73.0	186	
GXR-4 Meas	74	44.5	
GXR-4 Cert	73.0	186	
SDC-1 Meas	103	43.5	
SDC-1 Cert	103.00	290.00	
SDC-1 Meas	105	45.8	
SDC-1 Cert	103.00	290.00	
SDC-1 Meas	102	33.7	
SDC-1 Cert	103.00	290.00	
GXR-6 Meas	135	97.0	
GXR-6 Cert	118	110	
GXR-6 Meas	134	87.8	
GXR-6 Cert	118	110	
GXR-6 Meas	130	85.7	
GXR-6 Cert	118	110	
DNC-1a Meas	57	43.2	
DNC-1a Cert	70	38.0	
DNC-1a Meas	58	41.2	
DNC-1a Cert	70	38.0	
DNC-1a Meas	58	43.4	
DNC-1a Cert	70	38.0	
OREAS 13b (fusion) Meas		89.1	
OREAS 13b (fusion) Cert		108	
SBC-1 Meas	186	132	
SBC-1 Cert	186	134.0	
SBC-1 Meas	189	132	

Analyte Symbol	Zn	Zr	Au
Unit Symbol	ppm	ppm	g/mt
Lower Limit	2	0.5	0.005
Method Code	TD-ICP	TD-MS	FA-AA
SBC-1 Cert	186	134.0	
SBC-1 Meas	190	128	
SBC-1 Cert	186	134.0	
OREAS 45d (4-Acid) Meas	54	137	
OREAS 45d (4-Acid) Cert	45.7	141	
OREAS 45d (4-Acid) Meas	47	80.3	
OREAS 45d (4-Acid) Cert	45.7	141	
OREAS 45d (4-Acid) Meas	45	62.3	
OREAS 45d (4-Acid) Cert	45.7	141	
SdAR-M2 (U.S.G.S.) Meas	855	124	
SdAR-M2 (U.S.G.S.) Cert	760	259	
SdAR-M2 (U.S.G.S.) Meas	834	78.0	
SdAR-M2 (U.S.G.S.) Cert	760	259	
SdAR-M2 (U.S.G.S.) Meas	842		
SdAR-M2 (U.S.G.S.) Cert	760		
OREAS 223 (Fire Assay) Meas			1.78
OREAS 223 (Fire Assay) Cert			1.78
OREAS 223 (Fire Assay) Meas			1.79
OREAS 223 (Fire Assay) Cert			1.78
OREAS 223 (Fire Assay) Meas			1.77
OREAS 223 (Fire Assay) Cert			1.78
OREAS 223 (Fire Assay) Meas			1.78
OREAS 223 (Fire Assay) Cert			1.78
OREAS 223 (Fire Assay) Meas			1.71
OREAS 223 (Fire Assay) Cert			1.78

Analyte Symbol	Zn	Zr	Au
Unit Symbol	ppm	ppm	g/mt
Lower Limit	2	0.5	0.005
Method Code	TD-ICP	TD-MS	FA-AA
OREAS 223 (Fire Assay) Meas			1.73
OREAS 223 (Fire Assay) Cert			1.78
OREAS 223 (Fire Assay) Meas			1.80
OREAS 223 (Fire Assay) Cert			1.78
OREAS 218 Meas			0.535
OREAS 218 Cert			0.531
OREAS 218 Meas			0.519
OREAS 218 Cert			0.531
OREAS 218 Meas			0.552
OREAS 218 Cert			0.531
OREAS 218 Meas			0.520
OREAS 218 Cert			0.531
OREAS 218 Meas			0.541
OREAS 218 Cert			0.531
OREAS 218 Meas			0.521
OREAS 218 Cert			0.531
OREAS 218 Meas			0.538
OREAS 218 Cert			0.531
403501 Orig	79	90.4	
403501 Dup	80	110	
403510 Orig	75	142	0.010
403510 Dup	75	137	0.009
403520 Orig			0.390
403520 Dup			0.393
403539 Orig	72		
403539 Dup	70		
403541 Orig	106		
403541 Dup	105		
403546 Orig			< 0.005
403546 Dup			< 0.005
403548 Orig	101	106	
403548 Dup	103	96.3	
403550 Orig	85	114	
403550 Dup	87	111	
403556 Orig			0.050
403556 Dup			0.101
403577 Orig	108		
403577 Dup	107		
403582 Orig	95		0.009

Analyte Symbol	Zn	Zr	Au
Unit Symbol	ppm	ppm	g/mt
Lower Limit	2	0.5	0.005
Method Code	TD-ICP	TD-MS	FA-AA
403582 Dup	100		0.020
403586 Orig	102	96.0	
403586 Dup	103	103	
403591 Orig	108	110	
403591 Dup	109	91.8	
403592 Orig			0.024
403592 Dup			0.018
403613 Orig	81	80.1	
403613 Dup	83	80.1	
403618 Orig			< 0.005
403618 Dup			0.006
403623 Orig	86	93.0	
403623 Dup	85	112	
403625 Orig	68	171	
403625 Dup	71	157	
403628 Orig			< 0.005
403628 Dup			< 0.005
Method Blank	< 2	< 0.5	
Method Blank	< 2		
Method Blank	< 2		
Method Blank	< 2	< 0.5	
Method Blank		< 0.5	
Method Blank		< 0.5	
Method Blank			< 0.005
Method Blank			< 0.005
Method Blank			< 0.005
Method Blank			< 0.005
Method Blank			< 0.005
Method Blank			< 0.005
Method Blank			< 0.005
Method Blank			< 0.005
Method Blank			< 0.005
Method Blank			< 0.005
Method Blank			< 0.005
Method Blank			< 0.005
Method Blank			< 0.005
Method Blank	< 2	< 0.5	
Method Blank	< 2	< 0.5	
Method Blank	< 2	< 0.5	
Method Blank	< 2	< 0.5	

Quality Analysis ... *Innovative Technologies*

Date Submitted: 15-Dec-17
Invoice No.: A17-14268
Invoice Date: 08-Feb-18
Your Reference: # 39899-True North Nickel

Techni-Lab Abitibi Inc.(Actlabs)
184 Rue Principale
Ste-Germaine-Boule Quebec J0Z 1M0
Canada

ATTN: Andre Caouette

CERTIFICATE OF ANALYSIS

66 Soil samples were submitted for analysis.

The following analytical package(s) were requested: Code 1A2 Au - Fire Assay AA

Code ME-MS61 Total Digestion ICP & ICP/MS

REPORT **A17-14268**

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

Values which exceed the upper limit should be assayed for accurate numbers.

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
41 Bittern Street, Ancaster, Ontario, Canada, L9G 4V5
TELEPHONE +905 648-9611 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Ancaster@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn
Unit Symbol	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5
Method Code	TD-MS	TD-ICP	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-ICP
403851	< 0.01	7.13	< 0.2	450	1.60	0.07	2.42	0.27	77.6	30.9	354	1.51	50.8	6.30	16.5	< 0.05	3.1	0.062	1.64	36.5	22.5	2.13	1390
403852	< 0.01	7.29	0.4	470	1.50	0.07	2.34	0.20	68.8	30.8	304	1.61	51.3	6.51	17.3	< 0.05	2.7	0.058	1.69	31.9	22.1	2.23	1080
403853	< 0.01	6.72	2.7	430	1.76	0.10	2.04	0.18	71.6	29.3	447	1.97	61.0	6.54	17.4	< 0.05	4.2	0.055	1.49	36.8	23.0	1.94	946
403854	< 0.01	6.97	< 0.2	430	1.59	0.07	2.33	0.17	73.1	29.1	479	1.47	45.4	6.07	16.3	< 0.05	3.5	0.064	1.51	33.2	20.5	1.91	913
403855	< 0.01	6.93	< 0.2	420	1.53	0.07	2.49	0.16	67.1	27.8	346	1.25	39.3	5.35	16.1	< 0.05	0.6	0.061	1.52	30.0	19.2	1.80	908
403856	< 0.01	7.05	0.5	430	1.47	0.06	2.46	0.18	62.0	31.6	330	1.34	45.9	6.12	17.3	< 0.05	2.2	0.052	1.55	28.2	20.5	2.21	1050
403857	< 0.01	7.03	< 0.2	420	1.53	0.06	2.61	0.18	66.8	34.8	355	1.25	46.1	6.29	16.9	< 0.05	2.3	0.057	1.54	28.9	19.9	2.32	1060
403858	< 0.01	7.42	< 0.2	520	1.64	0.09	2.10	0.12	63.5	15.5	134	1.94	26.1	4.20	18.2	< 0.05	2.5	0.048	1.98	31.0	24.6	1.26	673
403859	< 0.01	7.40	< 0.2	530	1.55	0.09	2.00	0.17	69.6	18.9	144	2.20	37.3	4.84	17.6	< 0.05	2.8	0.052	1.99	32.9	25.8	1.38	988
403860	< 0.01	7.16	< 0.2	500	1.51	0.09	2.05	0.21	71.8	19.6	162	1.99	37.8	4.68	15.1	< 0.05	2.9	0.047	1.94	34.8	24.0	1.33	866
403861	< 0.01	7.12	< 0.2	450	1.48	0.07	2.37	0.20	68.7	28.1	310	1.45	49.7	6.08	17.0	< 0.05	2.8	0.057	1.63	32.2	20.9	2.04	945
403862	< 0.01	6.79	< 0.2	380	1.36	0.06	2.76	0.21	71.4	32.1	392	1.04	40.9	5.86	14.9	< 0.05	2.5	0.062	1.33	32.1	17.4	2.08	1050
403863	< 0.01	7.14	0.4	470	1.56	0.07	2.27	0.20	67.7	25.2	284	1.92	44.4	5.65	16.3	< 0.05	3.4	0.054	1.73	33.5	25.1	1.88	856
403864	< 0.01	6.74	< 0.2	390	1.38	0.05	2.62	0.18	71.5	33.2	363	1.04	40.0	5.70	15.6	< 0.05	2.0	0.053	1.38	30.7	17.7	2.06	1120
403865	< 0.01	6.86	< 0.2	470	1.54	0.06	2.11	0.20	68.9	24.8	191	1.55	32.5	5.49	15.7	< 0.05	2.2	0.060	1.64	32.5	19.4	1.51	1010
403866	< 0.01	7.11	< 0.2	470	1.51	0.06	2.28	0.25	76.7	29.6	285	1.59	41.4	5.81	16.8	< 0.05	2.9	0.050	1.64	33.4	21.1	1.90	1030
403867	< 0.01	7.06	< 0.2	460	1.44	0.06	2.28	0.23	73.2	25.9	276	1.43	33.6	5.32	17.7	< 0.05	3.0	0.055	1.66	32.4	19.5	1.72	912
403868	< 0.01	6.99	< 0.2	460	1.55	0.06	2.26	0.25	76.2	31.3	293	1.41	40.2	6.02	17.3	< 0.05	3.4	0.059	1.67	33.2	21.1	2.03	1040
403869	< 0.01	6.89	< 0.2	430	1.53	0.05	2.39	0.21	77.4	27.8	342	1.19	37.7	5.65	16.2	< 0.05	3.1	0.053	1.55	34.3	18.2	1.87	989
403870	< 0.01	9.71	2.4	150	1.03	0.31	0.35	< 0.02	46.4	8.1	97	5.97	33.1	6.85	28.6	< 0.05	2.8	0.083	0.53	21.0	34.5	0.33	525
403871	< 0.01	7.00	< 0.2	450	1.58	0.05	2.32	0.24	68.6	27.4	328	1.29	41.1	5.78	17.5	< 0.05	2.1	0.061	1.61	30.8	19.0	1.94	972
403872	< 0.01	6.97	1.8	450	1.65	0.06	2.35	0.21	65.1	29.0	444	1.38	40.9	6.30	16.1	< 0.05	4.4	0.056	1.61	31.9	21.9	2.11	1000
403873	< 0.01	7.06	< 0.2	450	1.68	0.06	2.26	0.15	65.3	28.2	342	1.37	43.2	6.10	17.0	< 0.05	3.3	0.066	1.62	30.8	21.0	2.03	913
403874	< 0.01	6.99	< 0.2	460	1.66	0.06	2.26	0.17	72.1	27.6	366	1.31	38.7	6.04	17.5	< 0.05	2.1	0.060	1.59	32.2	20.9	1.90	899
403875	< 0.01	6.93	< 0.2	450	1.47	0.05	2.35	0.15	67.5	24.6	356	1.27	36.5	5.53	17.3	< 0.05	2.7	0.059	1.59	31.0	19.9	1.87	750
403876	< 0.01	7.10	< 0.2	480	1.68	0.07	2.30	0.25	72.6	36.5	267	1.47	51.3	6.74	18.1	< 0.05	2.9	0.060	1.68	32.3	22.7	2.31	1230
403877	< 0.01	7.05	< 0.2	460	1.61	0.05	2.36	0.18	71.3	31.0	355	1.26	55.0	6.38	17.9	< 0.05	3.0	0.057	1.62	31.7	21.0	2.20	1190
403878	< 0.01	7.09	< 0.2	480	1.47	0.06	2.33	0.21	75.8	35.7	312	1.39	49.2	6.81	18.0	< 0.05	3.5	0.061	1.63	33.3	22.7	2.34	1160
403879	< 0.01	7.02	0.9	460	1.68	0.06	2.33	0.27	76.8	35.6	390	1.37	59.9	6.78	16.2	< 0.05	4.2	0.064	1.54	35.8	22.1	2.12	1350
403880	< 0.01	7.21	1.1	490	1.43	0.05	2.43	0.24	72.8	36.1	326	1.38	44.9	6.76	17.6	0.06	3.9	0.056	1.67	32.1	21.9	2.31	1160
403881	< 0.01	6.94	< 0.2	440	1.55	0.05	2.39	0.16	72.2	32.7	400	1.15	38.1	6.20	16.2	< 0.05	3.3	0.059	1.52	31.9	20.1	2.22	990
403882	< 0.01	6.73	0.6	440	1.67	0.05	2.34	0.17	70.1	29.8	463	1.27	37.3	6.08	16.3	< 0.05	4.0	0.056	1.53	30.7	21.3	2.21	1020
403883	< 0.01	6.91	< 0.2	470	1.71	0.05	2.29	0.22	70.6	33.6	427	1.30	47.4	6.52	18.1	< 0.05	2.7	0.060	1.59	31.0	22.5	2.22	881
403884	< 0.01	7.03	< 0.2	480	1.62	0.06	2.42	0.21	71.2	34.4	408	1.29	45.7	6.66	16.9	< 0.05	2.9	0.058	1.60	30.7	22.3	2.41	1180
403885	< 0.01	6.89	< 0.2	470	1.64	0.06	2.25	0.15	64.7	34.0	311	1.45	44.7	6.58	17.4	< 0.05	2.2	0.057	1.60	29.9	23.0	2.17	1160
403886	< 0.01	6.96	< 0.2	470	1.74	0.06	2.23	0.18	71.0	31.5	268	1.46	49.1	6.19	17.5	< 0.05	2.4	0.058	1.67	32.5	22.5	2.07	992
403887	< 0.01	7.14	< 0.2	500	1.54	0.06	2.27	0.17	71.4	32.9	297	1.53	49.0	6.75	18.0	< 0.05	2.9	0.071	1.71	31.9	22.5	2.32	1110
403888	< 0.01	6.86	< 0.2	470	1.66	0.06	2.34	0.20	74.8	33.3	344	1.35	46.8	6.47	14.9	< 0.05	3.6	0.062	1.58	34.1	22.9	2.25	1100
403889	< 0.01	7.15	< 0.2	480	1.52	0.06	2.26	0.20	69.9	29.7	335	1.49	40.2	5.95	17.3	< 0.05	4.0	0.053	1.66	32.7	21.3	1.95	1070
403890	< 0.01	7.29	0.5	510	1.69	0.06	2.23	0.24	74.2	31.6	334	1.66	42.0	6.38	18.5	< 0.05	4.1	0.065	1.79	34.1	23.5	2.09	1120
403891	< 0.01	7.14	2.1	490	1.62	0.06	2.21	0.20	72.3	34.0	370	1.48	49.5	6.79	17.7	< 0.05	3.9	0.064	1.67	33.1	23.2	2.34	1100
403892	< 0.01	7.01	0.3	470	1.65	0.06	2.36	0.21	78.1	32.0	312	1.35	40.8	6.14	17.0	< 0.05	3.0	0.053	1.66	33.7	20.8	2.08	1140

Analyte Symbol	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn
Unit Symbol	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5
Method Code	TD-MS	TD-ICP	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-ICP
403893	< 0.01	5.98	1.9	450	1.44	0.06	2.12	0.20	47.6	30.8	333	1.41	43.9	6.00	17.8	< 0.05	4.2	0.054	1.64	20.5	22.4	1.95	1110
403894	< 0.01	7.05	0.3	490	1.62	0.07	2.04	0.23	67.1	30.2	252	1.81	40.6	5.79	18.6	< 0.05	2.0	0.056	1.80	31.1	23.6	1.79	1020
403895	< 0.01	6.97	0.3	470	1.73	0.06	2.23	0.19	71.1	32.6	324	1.46	45.9	6.32	17.9	< 0.05	1.1	0.056	1.67	32.0	22.0	2.06	1090
403896	< 0.01	7.21	< 0.2	490	1.65	0.07	2.12	0.16	64.5	22.7	207	1.93	43.7	5.83	16.5	< 0.05	2.4	0.052	1.75	35.1	25.3	1.84	802
403897	< 0.01	7.05	< 0.2	480	1.65	0.06	2.20	0.18	72.2	33.2	306	1.43	48.3	6.62	17.5	< 0.05	2.4	0.063	1.67	32.5	21.7	2.18	1100
403898	< 0.01	6.84	< 0.2	440	1.71	0.06	2.35	0.24	78.0	34.3	395	1.27	44.1	6.32	17.6	< 0.05	3.2	0.062	1.57	33.6	20.1	2.13	1160
403899	< 0.01	6.97	< 0.2	470	1.70	0.06	2.18	0.23	69.2	29.9	333	1.50	46.1	6.27	18.7	< 0.05	2.9	0.054	1.67	32.8	22.4	2.01	962
403900	< 0.01	6.82	< 0.2	430	1.55	0.05	2.42	0.17	73.2	29.4	411	1.22	40.6	5.94	17.1	< 0.05	3.2	0.061	1.51	32.5	18.7	1.93	1080
403901	< 0.01	6.88	< 0.2	440	1.76	0.05	2.46	0.19	75.0	31.9	383	1.22	45.7	6.15	17.0	< 0.05	2.9	0.057	1.54	33.4	19.6	2.06	1060
403902	< 0.01	6.91	< 0.2	460	1.56	0.07	2.20	0.21	71.6	28.7	332	1.62	47.9	6.01	16.1	< 0.05	3.7	0.060	1.65	35.3	23.8	1.99	960
403903	< 0.01	7.11	< 0.2	480	1.66	0.06	2.17	0.23	73.7	29.0	285	1.72	44.7	5.75	18.4	< 0.05	1.3	0.058	1.73	34.1	23.1	1.83	793
403904	< 0.01	6.88	< 0.2	470	1.69	0.07	2.04	0.17	69.7	23.2	235	1.78	52.2	5.17	17.0	< 0.05	2.2	0.047	1.74	33.1	23.7	1.61	846
403905	< 0.01	6.88	< 0.2	450	1.87	0.06	2.34	0.21	75.4	31.3	325	1.41	115	6.28	18.5	< 0.05	2.0	0.063	1.62	34.7	21.8	2.12	993
403906	< 0.01	6.90	< 0.2	450	1.66	0.06	2.30	0.15	68.1	21.5	280	1.39	36.1	5.28	17.4	< 0.05	2.2	0.056	1.65	33.1	19.5	1.64	824
403907	< 0.01	7.00	< 0.2	470	1.42	0.06	2.34	0.15	71.1	20.2	189	1.44	29.8	4.69	18.1	< 0.05	3.1	0.056	1.76	34.0	19.1	1.37	779
403908	< 0.01	7.20	< 0.2	510	1.53	0.09	1.93	0.13	67.7	15.7	75	2.43	38.4	4.57	17.6	< 0.05	2.8	0.039	1.99	36.1	26.7	1.26	675
403909	< 0.01	6.75	< 0.2	420	1.51	0.05	2.45	0.13	67.3	22.3	378	1.15	30.4	4.78	16.7	< 0.05	2.8	0.050	1.52	31.5	18.7	1.64	775
403910	< 0.01	6.79	< 0.2	390	1.08	0.04	1.88	0.02	17.5	5.9	38	0.74	12.0	1.79	13.8	< 0.05	1.4	0.016	1.38	8.2	7.7	0.54	310
403911	< 0.01	5.77	2.5	380	1.23	0.05	2.52	0.13	39.5	28.1	525	1.01	38.0	5.67	16.3	0.37	4.5	0.058	1.22	19.5	17.9	2.08	898
403912	< 0.01	6.91	0.5	430	1.51	0.06	2.65	0.17	66.8	31.0	378	1.36	43.6	5.94	16.6	< 0.05	1.2	0.056	1.62	30.4	20.8	2.20	975
403913	< 0.01	7.04	< 0.2	490	1.64	0.08	2.14	0.17	73.7	23.4	222	2.01	44.6	5.45	18.2	< 0.05	1.2	0.052	1.80	37.3	25.5	1.62	813
403914	< 0.01	7.00	< 0.2	470	1.52	0.09	2.12	0.12	64.0	24.3	243	1.81	40.5	5.58	18.3	< 0.05	2.5	0.048	1.76	32.4	23.3	1.74	850
403915	< 0.01	6.84	< 0.2	420	1.64	0.06	2.43	0.23	75.8	28.3	285	1.32	43.6	6.05	16.4	< 0.05	1.4	0.050	1.54	36.7	20.9	2.00	1010
403916	< 0.01	7.06	< 0.2	460	1.72	0.06	2.27	0.20	72.9	31.7	292	1.51	44.2	6.24	16.8	< 0.05	2.5	0.048	1.65	33.4	21.6	2.00	1350

Analyte Symbol	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y
Unit Symbol	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.05	0.01	0.1	0.2	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1	1	0.1	0.1
Method Code	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-ICP	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-MS	TD-MS
403851	0.20	1.91	0.3	129	850	12.1	57.7	< 0.002	< 0.01	0.09	20.1	< 1	0.8	173	< 0.05	< 0.05	7.4	0.309	0.34	1.7	78	< 0.1	21.2
403852	0.18	1.87	0.3	122	820	11.8	53.1	< 0.002	< 0.01	0.06	20.3	< 1	0.6	162	< 0.05	< 0.05	7.3	0.269	0.33	1.9	76	< 0.1	20.9
403853	0.17	1.67	0.6	111	550	14.3	45.2	< 0.002	0.01	< 0.05	19.0	< 1	< 0.2	151	< 0.05	< 0.05	8.0	0.288	0.36	2.0	90	< 0.1	21.0
403854	0.08	1.89	0.2	113	740	11.9	48.6	< 0.002	< 0.01	< 0.05	20.9	< 1	< 0.2	168	< 0.05	< 0.05	7.4	0.190	0.30	1.8	67	< 0.1	21.7
403855	< 0.05	2.07	0.2	98.6	740	11.7	46.4	< 0.002	< 0.01	< 0.05	19.9	< 1	< 0.2	207	< 0.05	< 0.05	6.6	0.119	0.28	1.9	48	< 0.1	20.1
403856	0.05	1.87	0.1	125	780	10.6	46.2	< 0.002	< 0.01	< 0.05	19.8	< 1	< 0.2	168	< 0.05	< 0.05	6.7	0.111	0.29	1.6	49	< 0.1	20.1
403857	0.05	1.96	0.2	136	760	10.3	42.9	< 0.002	< 0.01	< 0.05	21.5	< 1	< 0.2	170	< 0.05	< 0.05	6.2	0.129	0.27	1.6	56	< 0.1	20.8
403858	0.07	2.31	0.8	41.3	720	15.7	66.1	< 0.002	< 0.01	< 0.05	14.5	< 1	< 0.2	257	< 0.05	< 0.05	8.8	0.164	0.40	2.3	49	< 0.1	15.8
403859	0.06	2.14	0.4	52.6	750	16.7	68.9	< 0.002	< 0.01	< 0.05	14.9	< 1	< 0.2	223	< 0.05	< 0.05	8.5	0.118	0.44	2.5	41	< 0.1	16.9
403860	0.07	2.09	0.1	56.6	810	16.3	72.7	< 0.002	< 0.01	< 0.05	14.0	< 1	0.2	211	< 0.05	< 0.05	8.8	0.139	0.44	2.1	42	0.1	16.5
403861	0.17	1.94	0.4	101	810	11.5	49.8	< 0.002	< 0.01	< 0.05	19.9	< 1	0.3	178	< 0.05	< 0.05	6.8	0.235	0.31	1.8	68	< 0.1	20.5
403862	0.08	1.99	0.1	115	820	9.8	43.1	< 0.002	< 0.01	0.07	20.0	< 1	0.6	177	< 0.05	< 0.05	6.1	0.220	0.24	1.5	62	< 0.1	21.8
403863	0.13	1.94	< 0.1	92.2	780	13.8	67.3	< 0.002	0.01	< 0.05	17.0	< 1	< 0.2	189	< 0.05	< 0.05	8.2	0.171	0.41	1.8	62	0.1	18.5
403864	0.10	1.95	0.1	120	770	10.2	37.5	< 0.002	< 0.01	< 0.05	20.9	< 1	< 0.2	168	< 0.05	< 0.05	6.2	0.106	0.24	2.5	45	< 0.1	21.4
403865	0.07	2.06	0.1	79.8	740	13.3	52.6	< 0.002	< 0.01	< 0.05	18.2	< 1	< 0.2	205	< 0.05	< 0.05	7.9	0.096	0.32	2.3	38	< 0.1	19.5
403866	0.10	2.00	0.2	106	870	12.8	53.0	< 0.002	< 0.01	< 0.05	18.8	< 1	< 0.2	179	< 0.05	< 0.05	7.3	0.145	0.33	1.8	46	< 0.1	20.9
403867	0.10	2.07	0.4	89.4	860	12.6	50.4	< 0.002	< 0.01	< 0.05	18.3	< 1	0.2	191	< 0.05	< 0.05	6.9	0.189	0.32	1.8	52	< 0.1	20.5
403868	0.13	1.93	0.5	118	830	11.8	49.7	< 0.002	< 0.01	< 0.05	20.3	< 1	1.7	166	< 0.05	< 0.05	7.2	0.235	0.31	1.7	66	< 0.1	21.0
403869	0.13	2.00	0.4	101	890	10.8	43.9	< 0.002	< 0.01	< 0.05	18.5	< 1	0.3	175	< 0.05	< 0.05	6.8	0.231	0.26	1.6	61	< 0.1	21.1
403870	0.20	0.13	0.1	51.0	380	24.6	56.6	< 0.002	0.05	0.10	15.4	1	0.7	47.0	< 0.05	< 0.05	14.7	0.207	0.33	3.0	68	< 0.1	13.8
403871	0.06	1.97	0.1	106	840	11.1	47.3	< 0.002	< 0.01	< 0.05	19.2	< 1	< 0.2	179	< 0.05	< 0.05	6.4	0.106	0.28	1.8	41	< 0.1	20.9
403872	0.19	1.95	1.3	120	900	11.4	45.4	< 0.002	< 0.01	< 0.05	17.6	< 1	0.3	154	< 0.05	< 0.05	6.7	0.346	0.32	1.6	96	0.1	19.6
403873	0.10	1.93	0.3	108	800	10.5	47.7	< 0.002	< 0.01	< 0.05	20.2	< 1	< 0.2	161	< 0.05	< 0.05	6.7	0.239	0.29	1.7	75	< 0.1	21.0
403874	0.07	1.93	< 0.1	100	720	11.8	46.8	< 0.002	< 0.01	< 0.05	20.9	< 1	< 0.2	165	< 0.05	< 0.05	7.1	0.178	0.30	1.9	60	< 0.1	21.7
403875	< 0.05	1.98	< 0.1	99.2	780	11.0	45.9	< 0.002	< 0.01	< 0.05	19.7	< 1	< 0.2	175	< 0.05	< 0.05	6.7	0.135	0.28	2.1	50	< 0.1	21.5
403876	0.08	1.80	0.1	138	790	11.5	50.7	< 0.002	< 0.01	< 0.05	22.2	< 1	< 0.2	153	< 0.05	< 0.05	7.1	0.173	0.32	1.7	71	< 0.1	21.9
403877	0.12	1.89	0.6	125	830	10.5	45.9	< 0.002	< 0.01	< 0.05	20.9	< 1	< 0.2	158	< 0.05	< 0.05	6.8	0.240	0.28	1.6	70	< 0.1	22.7
403878	0.24	1.80	1.4	138	890	10.9	48.7	< 0.002	< 0.01	0.07	21.7	< 1	0.5	153	< 0.05	< 0.05	6.9	0.386	0.30	1.6	93	< 0.1	22.3
403879	0.42	1.86	3.1	137	880	12.3	53.3	< 0.002	0.01	0.08	19.5	< 1	0.8	156	< 0.05	< 0.05	7.4	0.529	0.31	1.7	115	< 0.1	21.6
403880	0.53	1.81	5.3	137	960	10.3	47.7	< 0.002	< 0.01	0.08	20.7	< 1	0.9	149	0.06	0.21	6.6	0.581	0.29	1.4	131	0.1	21.4
403881	0.21	1.89	0.6	135	860	9.8	43.8	< 0.002	< 0.01	0.10	21.1	< 1	0.6	158	< 0.05	< 0.05	6.6	0.325	0.26	1.5	79	< 0.1	22.5
403882	0.14	1.88	1.0	131	890	10.9	43.2	< 0.002	< 0.01	< 0.05	20.0	< 1	< 0.2	161	< 0.05	< 0.05	6.5	0.311	0.28	1.6	85	< 0.1	21.2
403883	0.06	1.82	0.2	145	810	10.1	48.2	< 0.002	< 0.01	< 0.05	22.7	< 1	< 0.2	152	< 0.05	< 0.05	6.7	0.218	0.28	1.6	73	< 0.1	22.8
403884	0.05	1.84	0.2	140	910	10.6	46.1	< 0.002	< 0.01	< 0.05	20.8	< 1	< 0.2	152	< 0.05	< 0.05	6.5	0.163	0.28	1.5	62	< 0.1	21.9
403885	< 0.05	1.72	0.2	135	790	10.6	51.2	< 0.002	0.02	< 0.05	21.3	< 1	< 0.2	149	< 0.05	< 0.05	6.7	0.145	0.31	1.8	61	< 0.1	21.3
403886	0.06	1.85	0.2	127	760	11.3	50.9	< 0.002	< 0.01	< 0.05	19.4	< 1	< 0.2	166	< 0.05	< 0.05	8.1	0.158	0.31	1.8	63	< 0.1	21.5
403887	0.10	1.86	0.3	131	860	11.0	50.5	< 0.002	< 0.01	< 0.05	21.3	< 1	< 0.2	155	< 0.05	< 0.05	6.8	0.222	0.31	1.6	72	< 0.1	21.4
403888	0.12	1.84	0.5	128	840	10.9	53.5	< 0.002	< 0.01	< 0.05	20.1	< 1	0.2	149	< 0.05	< 0.05	7.1	0.260	0.30	1.5	78	< 0.1	21.0
403889	0.28	1.95	3.0	118	900	11.6	51.1	< 0.002	< 0.01	0.06	19.6	< 1	0.5	172	< 0.05	< 0.05	7.2	0.397	0.32	1.8	93	< 0.1	21.0
403890	0.35	1.97	3.5	129	920	12.5	55.7	< 0.002	< 0.01	0.07	20.2	< 1	0.5	177	< 0.05	< 0.05	8.2	0.442	0.34	1.9	106	< 0.1	21.3
403891	0.43	1.77	4.6	136	890	10.9	51.4	< 0.002	0.02	0.08	21.5	< 1	0.6	152	< 0.05	< 0.05	7.0	0.515	0.31	1.7	121	< 0.1	21.8
403892	0.16	1.93	0.6	117	880	11.6	47.1	< 0.002	< 0.01	0.09	20.8	< 1	0.6	167	< 0.05	< 0.05	7.3	0.261	0.29	1.7	72	< 0.1	21.2

Analyte Symbol	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y
Unit Symbol	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.05	0.01	0.1	0.2	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1	1	0.1	0.1
Method Code	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-ICP	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-MS	TD-MS
403893	0.30	1.82	3.3	116	870	12.1	31.5	< 0.002	< 0.01	< 0.05	16.1	< 1	0.5	152	0.07	< 0.05	4.7	0.443	0.33	1.2	107	< 0.1	16.4
403894	0.07	1.91	0.2	99.6	750	12.8	58.6	< 0.002	0.01	< 0.05	18.8	< 1	< 0.2	175	< 0.05	< 0.05	7.9	0.207	0.38	2.0	68	< 0.1	19.2
403895	< 0.05	1.86	0.2	119	770	11.9	49.9	< 0.002	0.02	< 0.05	21.5	< 1	< 0.2	159	< 0.05	< 0.05	7.0	0.131	0.31	1.9	56	< 0.1	21.5
403896	0.07	1.95	0.4	90.3	730	12.9	66.5	< 0.002	< 0.01	< 0.05	16.8	< 1	< 0.2	180	< 0.05	< 0.05	9.5	0.106	0.39	2.1	45	< 0.1	18.6
403897	0.09	1.84	0.2	124	820	11.0	48.2	< 0.002	< 0.01	< 0.05	19.4	< 1	< 0.2	148	< 0.05	< 0.05	6.7	0.133	0.29	1.6	55	< 0.1	21.4
403898	0.12	1.88	0.3	131	840	11.4	45.2	< 0.002	< 0.01	< 0.05	21.7	< 1	< 0.2	161	< 0.05	< 0.05	6.8	0.205	0.28	8.9	64	< 0.1	22.7
403899	0.15	1.84	0.4	115	780	11.3	52.1	< 0.002	< 0.01	< 0.05	20.4	< 1	0.3	165	< 0.05	< 0.05	7.2	0.228	0.32	2.1	66	< 0.1	21.2
403900	0.14	1.97	0.4	112	870	10.9	43.9	< 0.002	0.02	0.08	21.0	< 1	0.6	174	< 0.05	< 0.05	6.6	0.254	0.27	1.7	71	< 0.1	21.8
403901	0.10	1.98	0.3	124	880	10.7	44.6	< 0.002	< 0.01	< 0.05	21.6	< 1	< 0.2	171	< 0.05	< 0.05	7.8	0.176	0.27	1.8	59	< 0.1	23.2
403902	0.08	1.87	0.2	110	860	12.3	59.9	< 0.002	< 0.01	< 0.05	18.1	< 1	< 0.2	168	< 0.05	< 0.05	7.7	0.188	0.34	1.8	68	< 0.1	20.5
403903	0.08	1.89	0.1	108	730	12.8	55.7	< 0.002	< 0.01	< 0.05	19.7	< 1	< 0.2	173	< 0.05	< 0.05	7.8	0.149	0.34	2.3	54	< 0.1	21.2
403904	0.06	1.93	0.1	77.5	760	12.8	56.5	< 0.002	0.01	< 0.05	17.9	< 1	< 0.2	189	< 0.05	< 0.05	7.8	0.134	0.36	2.2	50	< 0.1	18.7
403905	0.08	1.89	0.2	124	760	11.2	49.0	< 0.002	< 0.01	< 0.05	22.0	< 1	< 0.2	166	< 0.05	< 0.05	7.1	0.151	0.31	1.6	63	< 0.1	22.3
403906	0.06	2.02	0.4	75.9	820	12.5	50.2	< 0.002	< 0.01	< 0.05	17.8	< 1	< 0.2	205	< 0.05	< 0.05	7.1	0.113	0.30	1.8	40	< 0.1	20.6
403907	0.08	2.24	0.3	62.8	850	13.9	53.3	< 0.002	< 0.01	< 0.05	17.1	< 1	0.3	244	< 0.05	< 0.05	7.7	0.174	0.32	2.0	50	< 0.1	19.0
403908	0.10	2.04	< 0.1	38.6	740	15.8	81.5	< 0.002	0.01	< 0.05	14.1	< 1	0.5	224	< 0.05	< 0.05	9.7	0.193	0.48	2.8	60	< 0.1	15.8
403909	0.14	2.16	0.3	74.9	670	11.3	43.8	0.003	< 0.01	< 0.05	18.0	< 1	< 0.2	217	< 0.05	< 0.05	6.3	0.125	0.28	2.0	38	< 0.1	19.1
403910	0.53	2.65	2.2	20.6	200	7.2	42.0	< 0.002	< 0.01	< 0.05	6.1	< 1	0.3	364	0.08	< 0.05	1.2	0.165	0.24	0.4	42	0.3	5.8
403911	0.42	1.94	13.4	120	810	9.2	23.6	< 0.002	< 0.01	0.15	16.9	< 1	0.8	162	0.47	< 0.05	3.8	0.652	0.24	1.2	136	0.2	16.0
403912	0.06	1.89	0.1	120	770	11.0	47.2	< 0.002	< 0.01	< 0.05	20.4	< 1	< 0.2	168	< 0.05	< 0.05	6.9	0.213	0.30	5.6	72	< 0.1	20.4
403913	0.11	1.96	1.0	87.8	770	14.2	61.9	< 0.002	< 0.01	< 0.05	17.7	< 1	< 0.2	204	0.05	0.06	9.6	0.178	0.39	2.4	60	< 0.1	19.7
403914	< 0.05	1.92	0.1	91.3	740	12.7	57.6	< 0.002	0.01	< 0.05	18.5	< 1	< 0.2	177	< 0.05	< 0.05	8.1	0.109	0.37	11.2	47	< 0.1	19.6
403915	0.10	1.91	0.1	107	810	10.8	53.6	< 0.002	< 0.01	< 0.05	18.9	< 1	0.3	166	< 0.05	< 0.05	7.1	0.113	0.30	1.5	53	0.1	20.8
403916	0.12	1.95	0.2	124	830	11.6	50.4	< 0.002	< 0.01	< 0.05	20.6	< 1	0.5	170	< 0.05	< 0.05	9.5	0.170	0.31	1.8	57	< 0.1	22.0

Analyte Symbol	Zn	Zr	Au
Unit Symbol	ppm	ppm	g/mt
Lower Limit	2	0.5	0.005
Method Code	TD-ICP	TD-MS	FA-AA
403851	103	112	0.005
403852	107	108	< 0.005
403853	108	174	< 0.005
403854	100	155	< 0.005
403855	87	46.4	< 0.005
403856	95	98.9	< 0.005
403857	97	101	0.008
403858	83	121	< 0.005
403859	98	121	0.005
403860	93	113	0.005
403861	99	113	< 0.005
403862	87	90.1	0.007
403863	99	135	0.011
403864	87	90.7	0.005
403865	87	98.6	0.006
403866	94	120	0.010
403867	93	125	< 0.005
403868	101	138	0.006
403869	89	123	0.008
403870	49	117	< 0.005
403871	96	92.0	0.005
403872	99	159	0.006
403873	100	145	0.007
403874	96	108	0.007
403875	96	124	0.005
403876	108	127	0.007
403877	101	123	< 0.005
403878	109	146	0.005
403879	102	150	0.007
403880	105	164	< 0.005
403881	89	130	0.007
403882	96	165	< 0.005
403883	107	131	0.007
403884	102	124	0.005
403885	106	105	0.006
403886	102	109	0.006
403887	106	119	< 0.005
403888	101	129	< 0.005
403889	98	168	< 0.005
403890	97	171	< 0.005
403891	110	162	< 0.005
403892	97	119	< 0.005

Analyte Symbol	Zn	Zr	Au
Unit Symbol	ppm	ppm	g/mt
Lower Limit	2	0.5	0.005
Method Code	TD-ICP	TD-MS	FA-AA
403893	101	176	< 0.005
403894	107	106	< 0.005
403895	107	70.4	< 0.005
403896	103	98.4	< 0.005
403897	108	109	< 0.005
403898	100	133	< 0.005
403899	107	118	< 0.005
403900	94	126	< 0.005
403901	96	123	< 0.005
403902	104	143	< 0.005
403903	103	80.1	< 0.005
403904	96	109	< 0.005
403905	101	83.3	< 0.005
403906	97	102	< 0.005
403907	79	131	< 0.005
403908	96	101	< 0.005
403909	74	120	0.006
403910	20	57.7	< 0.005
403911	87	182	< 0.005
403912	97	81.9	< 0.005
403913	98	76.1	< 0.005
403914	99	111	< 0.005
403915	96	52.9	< 0.005
403916	104	97.2	< 0.005

Analyte Symbol	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn
Unit Symbol	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5
Method Code	TD-MS	TD-ICP	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-ICP
GXR-1 Meas	29.9	2.13	385	630	1.08	1360	0.89	2.58	14.2	7.7	11	2.63	1160	24.0	8.21		0.4	0.729	0.05	7.2	7.3	0.20	892
GXR-1 Cert	31.0	3.52	427	750	1.22	1380	0.960	3.30	17.0	8.20	12.0	3.00	1110	23.6	13.8		0.960	0.770	0.050	7.50	8.20	0.217	852
GXR-1 Meas	29.2	2.01	392	640	1.11	1380	0.92	2.67	14.5	8.1	13	2.74	1110	24.4	6.89		0.5	0.751	0.05	7.0	7.2	0.21	918
GXR-1 Cert	31.0	3.52	427	750	1.22	1380	0.960	3.30	17.0	8.20	12.0	3.00	1110	23.6	13.8		0.960	0.770	0.050	7.50	8.20	0.217	852
DH-1a Meas																							
DH-1a Cert																							
DH-1a Meas																							
DH-1a Cert																							
GXR-4 Meas	3.18	6.96	92.9	170	1.90	17.2	1.08	0.25	103	14.5	34	2.47	6300	3.17	18.1		1.3	0.195	4.00	52.0	10.4	1.70	155
GXR-4 Cert	4.00	7.20	98.0	1640	1.90	19.0	1.01	0.860	102	14.6	64.0	2.80	6520	3.09	20.0		6.30	0.270	4.01	64.5	11.1	1.66	155
GXR-4 Meas	3.09	6.98	93.4	170	1.88	17.6	1.10	0.10	105	13.1	44	2.52	5930	3.13	16.9		1.2	0.185	4.42	52.0	10.6	1.68	156
GXR-4 Cert	4.00	7.20	98.0	1640	1.90	19.0	1.01	0.860	102	14.6	64.0	2.80	6520	3.09	20.0		6.30	0.270	4.01	64.5	11.1	1.66	155
SDC-1 Meas		8.49	< 0.2	630	2.82		1.10		82.3	17.6	37	3.73	28.6	4.81	20.7		1.3		2.86	36.8	32.2	0.98	899
SDC-1 Cert		8.34	0.220	630	3.00		1.00		93.00	18.0	64.00	4.00	30.000	4.82	21.00		8.30		2.72	42.00	34.0	1.02	880.00
SDC-1 Meas		8.47	< 0.2	620	3.02		1.11		85.4	18.4	37	3.79	29.6	4.88	20.9		1.0		2.26	36.9	34.7	0.99	898
SDC-1 Cert		8.34	0.220	630	3.00		1.00		93.00	18.0	64.00	4.00	30.000	4.82	21.00		8.30		2.72	42.00	34.0	1.02	880.00
GXR-6 Meas	0.17	13.5	263	1260	1.11	0.16	0.19	0.13	32.7	13.4	39	3.96	76.4	5.48	27.3		2.2	0.060	1.99	11.4	36.1	0.60	1040
GXR-6 Cert	1.30	17.7	330	1300	1.40	0.290	0.180	1.00	36.0	13.8	96.0	4.20	66.0	5.58	35.0		4.30	0.260	1.87	13.9	32.0	0.609	1010
GXR-6 Meas	0.18		220		1.07	0.16		0.08	31.0	13.8		3.84	68.1		27.5		2.1	0.061		11.3	35.0		
GXR-6 Cert	1.30		330		1.40	0.290		1.00	36.0	13.8		4.20	66.0		35.0		4.30	0.260		13.9	32.0		
DNC-1a Meas				90						56.1	235		102		14.0					3.8	4.7		
DNC-1a Cert				118						57	270		100		15					3.6	5.2		
DNC-1a Meas				90						56.6	121		92.2		14.4					3.4	4.4		
DNC-1a Cert				118						57	270		100		15					3.6	5.2		
SBC-1 Meas			20.9	540	3.11	0.64		0.33	96.8	22.1	69	7.46	31.6		26.0		3.2			44.3	150		
SBC-1 Cert			25.7	788.0	3.20	0.70		0.40	108.0	22.7	109	8.2	31.0000		27.0		3.7			52.5	163		
SBC-1 Meas			21.6	580	3.28	0.64		0.39	99.9	22.5	73	7.55	29.5		24.8		3.5			44.6	157		
SBC-1 Cert			25.7	788.0	3.20	0.70		0.40	108.0	22.7	109	8.2	31.0000		27.0		3.7			52.5	163		
OREAS 45d (4-Acid) Meas		8.19	4.7	180	0.78	0.30	0.21		33.6	30.3	467	3.55	358	14.4	22.1		1.8	0.081	0.45	15.7	19.9	0.24	515
OREAS 45d (4-Acid) Cert		8.150	13.8	183.0	0.79	0.31	0.185		37.20	29.50	549	3.910	371	14.5	21.20		3.830	0.096	0.412	16.9	21.5	0.245	490.000
OREAS 45d (4-Acid) Meas		8.38	5.3	180	0.92	0.36	0.21		34.9	30.3	505	3.62	343	14.6	21.9		2.1	0.086	0.45	16.0	19.9	0.24	544
OREAS 45d (4-Acid) Cert		8.150	13.8	183.0	0.79	0.31	0.185		37.20	29.50	549	3.910	371	14.5	21.20		3.830	0.096	0.412	16.9	21.5	0.245	490.000
SdAR-M2 (U.S.G.S.) Meas				1020	6.68	1.00		4.82	90.7	13.2	31	1.67	236		14.4		2.9			40.7	17.1		
SdAR-M2 (U.S.G.S.) Cert				990	6.6	1.05		5.1	98.8	12.4	49.6	1.82	236.0000		17.6		7.29			46.6	17.9		
SdAR-M2 (U.S.G.S.) Meas				1010	6.54	1.01		5.00	88.2	13.6	34	1.69	237		14.6		3.6			39.4	17.1		

Analyte Symbol	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn
Unit Symbol	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5
Method Code	TD-MS	TD-ICP	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-ICP
SdAR-M2 (U.S.G.S.) Cert				990	6.6	1.05		5.1	98.8	12.4	49.6	1.82	236.0000		17.6		7.29			46.6	17.9		
OREAS 223 (Fire Assay) Meas																							
OREAS 223 (Fire Assay) Cert																							
OREAS 223 (Fire Assay) Meas																							
OREAS 223 (Fire Assay) Cert																							
OREAS 223 (Fire Assay) Meas																							
OREAS 223 (Fire Assay) Cert																							
OREAS 223 (Fire Assay) Meas																							
OREAS 223 (Fire Assay) Cert																							
OREAS 223 (Fire Assay) Meas																							
OREAS 223 (Fire Assay) Cert																							
OREAS 223 (Fire Assay) Meas																							
OREAS 223 (Fire Assay) Cert																							
OREAS 223 (Fire Assay) Meas																							
OREAS 223 (Fire Assay) Cert																							
OREAS 218 Meas																							
OREAS 218 Cert																							
OREAS 218 Meas																							
OREAS 218 Cert																							
OREAS 218 Meas																							
OREAS 218 Cert																							
OREAS 218 Meas																							
OREAS 218 Cert																							
OREAS 218 Meas																							
OREAS 218 Cert																							
OREAS 218 Meas																							
OREAS 218 Cert																							
OREAS 218 Meas																							
OREAS 218 Cert																							
403867 Orig																							
403867 Dup																							

Analyte Symbol	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn
Unit Symbol	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5
Method Code	TD-MS	TD-ICP	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-ICP
403877 Orig	0.24	7.12	< 0.2	470	1.55	0.05	2.37	0.17	72.4	31.7	343	1.26	66.5	6.37	17.6	< 0.05	2.6	0.059	1.60	32.4	21.2	2.19	1200
403877 Dup	< 0.01	6.98	< 0.2	460	1.66	0.05	2.35	0.19	70.2	30.3	367	1.26	43.5	6.38	18.1	< 0.05	3.4	0.054	1.63	31.0	20.8	2.20	1180
403894 Orig	< 0.01	7.03	0.4	490	1.59	0.07	2.04	0.22	68.4	31.1	249	1.85	41.4	5.81	18.4	< 0.05	0.9	0.054	1.79	31.6	24.1	1.80	1030
403894 Dup	< 0.01	7.07	0.3	490	1.65	0.07	2.04	0.23	65.7	29.3	255	1.78	39.9	5.77	18.7	< 0.05	3.1	0.057	1.80	30.6	23.1	1.79	1000
403903 Orig																							
403903 Dup																							
403912 Orig	< 0.01	6.98	0.5	430	1.54	0.07	2.67	0.15	65.8	31.2	388	1.37	41.1	5.98	16.2	< 0.05	1.1	0.055	1.62	29.6	20.8	2.20	990
403912 Dup	< 0.01	6.84	0.4	430	1.47	0.06	2.63	0.18	67.9	30.9	369	1.35	46.2	5.90	17.0	< 0.05	1.2	0.057	1.62	31.2	20.9	2.19	959
403913 Orig																							
403913 Dup																							
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																							
Method Blank	< 0.01	0.01	< 0.2	< 10	< 0.05	0.01	< 0.01	< 0.02	0.02	< 0.1		< 0.05	< 0.2	< 0.01	0.22	< 0.05	< 0.1	< 0.005	< 0.01	< 0.5	< 0.2	< 0.01	
Method Blank	< 0.01	< 0.01	< 0.2	< 10	< 0.05	< 0.01	< 0.01	< 0.02	< 0.01	< 0.1		< 0.05	< 0.2	< 0.01	0.22	< 0.05	< 0.1	< 0.005	< 0.01	< 0.5	< 0.2	< 0.01	
Method Blank	< 0.01	0.01	< 0.2	< 10	0.05	< 0.01	< 0.01	< 0.02	0.03	< 0.1		< 0.05	< 0.2	< 0.01	0.17	< 0.05	< 0.1	< 0.005	< 0.01	< 0.5	< 0.2	< 0.01	
Method Blank	< 0.01	< 0.01	< 0.2	< 10	0.09	< 0.01	< 0.01	< 0.02	< 0.01	< 0.1		< 0.05	< 0.2	< 0.01	0.21	< 0.05	< 0.1	< 0.005	< 0.01	< 0.5	< 0.2	< 0.01	
Method Blank	< 0.01	0.05	< 0.2	< 10	< 0.05	< 0.01	< 0.01	< 0.02	0.03	< 0.1		< 0.05	< 0.2	< 0.01	0.18	< 0.05	< 0.1	< 0.005	< 0.01	< 0.5	< 0.2	< 0.01	
Method Blank	< 0.01	< 0.01	0.5	< 10	< 0.05	< 0.01	< 0.01	< 0.02	0.01	< 0.1		< 0.05	< 0.2	< 0.01	0.20	< 0.05	< 0.1	< 0.005	< 0.01	< 0.5	< 0.2	< 0.01	
Method Blank	< 0.01	< 0.01	< 0.2	< 10	0.07	< 0.01	< 0.01	< 0.02	< 0.01	< 0.1		< 0.05	< 0.2	< 0.01	0.20	< 0.05	< 0.1	< 0.005	< 0.01	< 0.5	< 0.2	< 0.01	

Analyte Symbol	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y
Unit Symbol	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.05	0.01	0.1	0.2	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1	1	0.1	0.1
Method Code	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-ICP	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-MS	TD-MS
GXR-1 Meas	17.9	0.04	0.7	39.7	580	750	2.4		0.24	29.7	1.3	13	26.7	285	< 0.05	8.27	2.3	0.024	0.38	32.9	88	131	26.1
GXR-1 Cert	18.0	0.0520	0.800	41.0	650	730	14.0		0.257	122	1.58	16.6	54.0	275	0.175	13.0	2.44	0.036	0.390	34.9	80.0	164	32.0
GXR-1 Meas	19.0	0.04	0.8	39.6	590	755	2.4		0.25	32.5	1.2	13	25.9	292	< 0.05	8.47	2.2	0.023	0.37	31.9	89	135	26.2
GXR-1 Cert	18.0	0.0520	0.800	41.0	650	730	14.0		0.257	122	1.58	16.6	54.0	275	0.175	13.0	2.44	0.036	0.390	34.9	80.0	164	32.0
DH-1a Meas																	825			2230			
DH-1a Cert																	910			2629			
DH-1a Meas																	807			2190			
DH-1a Cert																	910			2629			
GXR-4 Meas	319	0.52	10.3	40.3	1350	47.4	128		1.88	4.30	6.9	5	6.7	201	0.55	0.82	15.8	0.290	2.92	6.3	91	34.3	12.1
GXR-4 Cert	310	0.564	10.0	42.0	1200	52.0	160		1.77	4.80	7.70	5.60	5.60	221	0.790	0.970	22.5	0.29	3.20	6.20	87.0	30.8	14.0
GXR-4 Meas	317	0.51	9.7	37.8	1350	45.5	129		1.85	4.27	6.8	5	6.5	206	0.52	0.77	18.1	0.276	3.00	5.8	90	33.0	12.3
GXR-4 Cert	310	0.564	10.0	42.0	1200	52.0	160		1.77	4.80	7.70	5.60	5.60	221	0.790	0.970	22.5	0.29	3.20	6.20	87.0	30.8	14.0
SDC-1 Meas		1.50	1.0	35.2	540	24.0	107			< 0.05	15.1		< 0.2	165	0.05		10.8	0.119	0.60	2.9	37	< 0.1	
SDC-1 Cert		1.52	21.00	38.0	690	25.00	127.00			0.54	17.00		3.00	180.00	1.20		12.00	0.606	0.70	3.10	102.00	0.80	
SDC-1 Meas		1.50	< 0.1	35.0	540	24.6	94.2			< 0.05	15.1		< 0.2	176	< 0.05		11.1	0.158	0.59	3.2	50	< 0.1	
SDC-1 Cert		1.52	21.00	38.0	690	25.00	127.00			0.54	17.00		3.00	180.00	1.20		12.00	0.606	0.70	3.10	102.00	0.80	
GXR-6 Meas	0.56	0.10	0.5	23.9	330	93.2	77.1		0.01	0.28	24.0	< 1	0.5	37.8	< 0.05	< 0.05	4.6		2.12	1.3	124	0.1	10.9
GXR-6 Cert	2.40	0.104	7.50	27.0	350	101	90.0		0.0160	3.60	27.6	0.940	1.70	35.0	0.485	0.0180	5.30		2.20	1.54	186	1.90	14.0
GXR-6 Meas	0.35		0.6	25.6		95.1	70.2			0.38	25.9	< 1	0.4	38.8	< 0.05	0.18	4.8		2.07	1.5		0.2	11.1
GXR-6 Cert	2.40		7.50	27.0		101	90.0			3.60	27.6	0.940	1.70	35.0	0.485	0.0180	5.30		2.20	1.54		1.90	14.0
DNC-1a Meas			2.0	264		6.8	3.3			0.90	29.5			143				0.262			137		14.7
DNC-1a Cert			3	247		6.3	5			0.96	31			144				0.29			148		18.0
DNC-1a Meas			1.5	258		6.1	3.0			0.42	29.8			145				0.254			134		14.7
DNC-1a Cert			3	247		6.3	5			0.96	31			144				0.29			148		18.0
SBC-1 Meas	2.02		12.6	83.3		34.1	121			0.89	19.0		2.9	167	0.70		14.5	0.478	0.81	5.8	218	1.5	27.4
SBC-1 Cert	2.40		15.3	82.8		35.0	147			1.01	20.0		3.3	178.0	1.10		15.8	0.51	0.89	5.76	220.0	1.60	36.5
SBC-1 Meas	2.23		15.8	89.4		35.0	129			1.00	19.7		3.2	175	0.73		14.6	0.494	0.85	5.9	216	1.6	28.1
SBC-1 Cert	2.40		15.3	82.8		35.0	147			1.01	20.0		3.3	178.0	1.10		15.8	0.51	0.89	5.76	220.0	1.60	36.5
OREAS 45d (4-Acid) Meas	0.35	0.09	0.3	236	330	21.0	36.2		0.04	< 0.05	50.9		0.4	28.8	< 0.05		13.6	0.194	0.24	2.8	112	0.1	10.4
OREAS 45d (4-Acid) Cert	2.500	0.101	14.50	231.0	420.000	21.8	42.1		0.049	0.82	49.30		2.78	31.30	1.02		14.5	0.773	0.27	2.63	235.0	1.62	9.53
OREAS 45d (4-Acid) Meas	0.69	0.09	0.4	229	350	21.4	35.6		0.05	< 0.05	48.3		0.6	30.1	< 0.05		13.8	0.287	0.24	2.8	141	0.2	10.3
OREAS 45d (4-Acid) Cert	2.500	0.101	14.50	231.0	420.000	21.8	42.1		0.049	0.82	49.30		2.78	31.30	1.02		14.5	0.773	0.27	2.63	235.0	1.62	9.53
SdAR-M2 (U.S.G.S.) Meas	11.9		6.3	51.4		779	118				4.4			142	0.25		12.7			2.5	27	0.5	23.3
SdAR-M2 (U.S.G.S.) Cert	13.3		26.2	48.8		808	149				4.1			144	1.8		14.2			2.53	25.2	2.8	32.7
SdAR-M2 (U.S.G.S.) Meas	10.3		3.0	51.7		778	124				3.9			131	0.10		12.0			2.4	26	0.3	21.7
SdAR-M2 (U.S.G.S.) Cert	13.3		26.2	48.8		808	149				4.1			144	1.8		14.2			2.53	25.2	2.8	32.7

Analyte Symbol	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y
Unit Symbol	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.05	0.01	0.1	0.2	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1	1	0.1	0.1
Method Code	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-ICP	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-MS	TD-MS
OREAS 223 (Fire Assay) Meas																							
OREAS 223 (Fire Assay) Cert																							
OREAS 223 (Fire Assay) Meas																							
OREAS 223 (Fire Assay) Cert																							
OREAS 223 (Fire Assay) Meas																							
OREAS 223 (Fire Assay) Cert																							
OREAS 223 (Fire Assay) Meas																							
OREAS 223 (Fire Assay) Cert																							
OREAS 223 (Fire Assay) Meas																							
OREAS 223 (Fire Assay) Cert																							
OREAS 223 (Fire Assay) Meas																							
OREAS 223 (Fire Assay) Cert																							
OREAS 223 (Fire Assay) Meas																							
OREAS 223 (Fire Assay) Cert																							
OREAS 218 Meas																							
OREAS 218 Cert																							
OREAS 218 Meas																							
OREAS 218 Cert																							
OREAS 218 Meas																							
OREAS 218 Cert																							
OREAS 218 Meas																							
OREAS 218 Cert																							
OREAS 218 Meas																							
OREAS 218 Cert																							
OREAS 218 Meas																							
OREAS 218 Cert																							
403867 Orig																							
403867 Dup																							
403877 Orig	0.08	1.90	0.2	125	830	10.5	45.9	< 0.002	< 0.01	< 0.05	21.3	< 1	< 0.2	158	< 0.05	< 0.05	6.8	0.177	0.28	1.6	59	< 0.1	22.3

Analyte Symbol	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y
Unit Symbol	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.05	0.01	0.1	0.2	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1	1	0.1	0.1
Method Code	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-ICP	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-MS	TD-MS
403877 Dup	0.16	1.89	1.0	125	820	10.5	45.9	< 0.002	< 0.01	< 0.05	20.5	< 1	< 0.2	158	< 0.05	< 0.05	6.8	0.302	0.29	1.5	81	< 0.1	23.2
403894 Orig	0.07	1.92	0.2	101	710	13.0	59.9	< 0.002	0.01	< 0.05	19.3	< 1	< 0.2	177	< 0.05	< 0.05	7.9	0.237	0.38	2.1	76	< 0.1	19.5
403894 Dup	0.06	1.90	0.2	98.4	790	12.6	57.4	< 0.002	0.01	< 0.05	18.3	< 1	< 0.2	173	< 0.05	< 0.05	8.0	0.177	0.37	2.0	61	< 0.1	19.0
403903 Orig																							
403903 Dup																							
403912 Orig	0.07	1.92	0.1	122	780	11.0	47.5	< 0.002	0.01	< 0.05	20.4	< 1	< 0.2	168	< 0.05	< 0.05	7.0	0.262	0.30	9.4	81	< 0.1	20.5
403912 Dup	0.05	1.87	0.2	118	760	11.0	46.9	< 0.002	< 0.01	< 0.05	20.5	< 1	< 0.2	168	< 0.05	< 0.05	6.7	0.165	0.30	1.7	62	< 0.1	20.3
403913 Orig																							
403913 Dup																							
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																							
Method Blank	0.10	< 0.01	< 0.1	< 0.2	< 10	< 0.5	< 0.1	< 0.002	< 0.01	0.08	< 0.1	< 1	0.2	< 0.2	< 0.05	< 0.05	< 0.2	< 0.005	< 0.02	< 0.1	< 1	< 0.1	< 0.1
Method Blank	0.08	< 0.01	< 0.1	< 0.2	< 10	< 0.5	< 0.1	< 0.002	< 0.01	< 0.05	0.1	< 1	< 0.2	< 0.2	< 0.05	< 0.05	< 0.2	< 0.005	< 0.02	< 0.1	< 1	< 0.1	< 0.1
Method Blank	0.08	< 0.01	< 0.1	< 0.2	< 10	< 0.5	< 0.1	< 0.002	< 0.01	< 0.05	< 0.1	< 1	< 0.2	< 0.2	< 0.05	< 0.05	< 0.2	< 0.005	< 0.02	< 0.1	< 1	< 0.1	< 0.1
Method Blank	0.08	< 0.01	< 0.1	< 0.2	< 10	< 0.5	< 0.1	< 0.002	< 0.01	< 0.05	< 0.1	< 1	< 0.2	< 0.2	< 0.05	< 0.05	< 0.2	< 0.005	< 0.02	< 0.1	< 1	< 0.1	< 0.1
Method Blank	0.09	< 0.01	< 0.1	< 0.2	< 10	< 0.5	< 0.1	< 0.002	< 0.01	< 0.05	< 0.1	< 1	< 0.2	< 0.2	< 0.05	< 0.05	< 0.2	< 0.005	< 0.02	< 0.1	< 1	< 0.1	< 0.1
Method Blank	0.08	< 0.01	< 0.1	< 0.2	< 10	< 0.5	< 0.1	< 0.002	< 0.01	< 0.05	< 0.1	< 1	< 0.2	< 0.2	< 0.05	< 0.05	< 0.2	< 0.005	< 0.02	< 0.1	< 1	< 0.1	< 0.1
Method Blank	0.07	< 0.01	< 0.1	< 0.2	< 10	< 0.5	< 0.1	< 0.002	< 0.01	< 0.05	0.2	< 1	17.8	< 0.2	< 0.05	< 0.05	< 0.2	< 0.005	< 0.02	< 0.1	< 1	< 0.1	< 0.1

Analyte Symbol	Zn	Zr	Au
Unit Symbol	ppm	ppm	g/mt
Lower Limit	2	0.5	0.005
Method Code	TD-ICP	TD-MS	FA-AA
GXR-1 Meas	818	19.4	
GXR-1 Cert	760	38.0	
GXR-1 Meas	813	27.5	
GXR-1 Cert	760	38.0	
DH-1a Meas			
DH-1a Cert			
DH-1a Meas			
DH-1a Cert			
GXR-4 Meas	79	49.5	
GXR-4 Cert	73.0	186	
GXR-4 Meas	75	42.3	
GXR-4 Cert	73.0	186	
SDC-1 Meas	105	55.7	
SDC-1 Cert	103.00	290.00	
SDC-1 Meas	107	41.2	
SDC-1 Cert	103.00	290.00	
GXR-6 Meas	138	76.2	
GXR-6 Cert	118	110	
GXR-6 Meas		77.7	
GXR-6 Cert		110	
DNC-1a Meas	60	39.7	
DNC-1a Cert	70	38.0	
DNC-1a Meas	57	42.3	
DNC-1a Cert	70	38.0	
SBC-1 Meas	194	121	
SBC-1 Cert	186	134.0	
SBC-1 Meas	187	131	
SBC-1 Cert	186	134.0	
OREAS 45d (4-Acid) Meas	51	73.5	
OREAS 45d (4-Acid) Cert	45.7	141	
OREAS 45d (4-Acid) Meas	50	85.6	
OREAS 45d (4-Acid) Cert	45.7	141	
SdAR-M2 (U.S.G.S.) Meas	849	118	
SdAR-M2 (U.S.G.S.) Cert	760	259	
SdAR-M2 (U.S.G.S.) Meas	855	126	
SdAR-M2 (U.S.G.S.) Cert	760	259	

Analyte Symbol	Zn	Zr	Au
Unit Symbol	ppm	ppm	g/mt
Lower Limit	2	0.5	0.005
Method Code	TD-ICP	TD-MS	FA-AA
OREAS 223 (Fire Assay) Meas			1.78
OREAS 223 (Fire Assay) Cert			1.78
OREAS 223 (Fire Assay) Meas			1.79
OREAS 223 (Fire Assay) Cert			1.78
OREAS 223 (Fire Assay) Meas			1.77
OREAS 223 (Fire Assay) Cert			1.78
OREAS 223 (Fire Assay) Meas			1.78
OREAS 223 (Fire Assay) Cert			1.78
OREAS 223 (Fire Assay) Meas			1.71
OREAS 223 (Fire Assay) Cert			1.78
OREAS 223 (Fire Assay) Meas			1.73
OREAS 223 (Fire Assay) Cert			1.78
OREAS 223 (Fire Assay) Meas			1.80
OREAS 223 (Fire Assay) Cert			1.78
OREAS 218 Meas			0.535
OREAS 218 Cert			0.531
OREAS 218 Meas			0.519
OREAS 218 Cert			0.531
OREAS 218 Meas			0.552
OREAS 218 Cert			0.531
OREAS 218 Meas			0.520
OREAS 218 Cert			0.531
OREAS 218 Meas			0.541
OREAS 218 Cert			0.531
OREAS 218 Meas			0.521
OREAS 218 Cert			0.531
OREAS 218 Meas			0.538
OREAS 218 Cert			0.531
403867 Orig			< 0.005
403867 Dup			0.005
403877 Orig	99	109	0.007

Analyte Symbol	Zn	Zr	Au
Unit Symbol	ppm	ppm	g/mt
Lower Limit	2	0.5	0.005
Method Code	TD-ICP	TD-MS	FA-AA
403877 Dup	103	137	< 0.005
403894 Orig	108	77.0	
403894 Dup	106	135	
403903 Orig			< 0.005
403903 Dup			< 0.005
403912 Orig	97	77.8	
403912 Dup	97	86.1	
403913 Orig			< 0.005
403913 Dup			< 0.005
Method Blank			< 0.005
Method Blank			< 0.005
Method Blank			< 0.005
Method Blank			< 0.005
Method Blank			< 0.005
Method Blank			< 0.005
Method Blank			< 0.005
Method Blank			< 0.005
Method Blank			< 0.005
Method Blank			< 0.005
Method Blank			< 0.005
Method Blank			< 0.005
Method Blank			< 0.005
Method Blank			< 0.005
Method Blank	< 2	< 0.5	
Method Blank	< 2	< 0.5	
Method Blank	< 2	0.9	
Method Blank	< 2	1.0	
Method Blank	< 2	< 0.5	
Method Blank	< 2	< 0.5	
Method Blank	< 2	< 0.5	

Quality Analysis ... *Innovative Technologies*

Date Submitted: 15-Dec-17
Invoice No.: A17-14275
Invoice Date: 06-Mar-18
Your Reference: # 39899-True North Nickel

Techni-Lab Abitibi Inc.(Actlabs)
184 Rue Principale
Ste-Germaine-Boule Quebec J0Z 1M0
Canada

ATTN: Andre Caouette

CERTIFICATE OF ANALYSIS

374 Soil samples were submitted for analysis.

The following analytical package(s) were requested: Code 1A2 Au - Fire Assay AA

Code ME-MS61 Total Digestion ICP & ICP/MS

REPORT **A17-14275**

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

Values which exceed the upper limit should be assayed for accurate numbers.

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
41 Bittern Street, Ancaster, Ontario, Canada, L9G 4V5
TELEPHONE +905 648-9611 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Ancaster@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn
Unit Symbol	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5
Method Code	TD-MS	TD-ICP	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-ICP
404127	< 0.01	7.08	< 0.2	480	1.91	0.11	2.46	0.09	84.3	24.5	201	1.57	67.4	5.31	17.4	< 0.05	1.3	0.067	1.51	44.0	23.9	1.76	810
404128	< 0.01	7.15	< 0.2	450	1.60	0.10	2.64	0.08	75.9	25.4	205	1.48	65.8	5.60	18.0	< 0.05	2.9	0.075	1.38	36.7	22.8	1.79	770
404129	< 0.01	6.69	< 0.2	460	1.55	0.10	2.35	0.12	89.2	23.7	247	1.30	45.2	4.90	16.8	< 0.05	2.7	0.066	1.47	44.7	21.9	1.56	821
404130	< 0.01	6.81	< 0.2	430	1.47	0.12	2.81	0.18	165	27.3	204	1.44	75.1	5.45	17.3	< 0.05	2.4	0.057	1.36	81.3	22.1	1.74	868
404131	< 0.01	7.05	< 0.2	480	1.50	0.12	2.21	0.16	86.8	19.9	122	1.30	41.3	4.33	16.1	< 0.05	0.3	0.059	1.58	40.5	19.6	1.38	711
404132	< 0.01	6.98	19.0	420	1.53	0.11	2.45	0.14	78.5	23.8	142	1.12	57.0	4.71	17.6	< 0.05	3.1	0.070	1.39	38.7	17.8	1.62	744
404133	< 0.01	6.69	0.4	420	1.46	0.09	2.49	0.05	81.0	20.2	181	0.98	28.1	4.23	16.1	< 0.05	0.3	0.063	1.40	38.2	16.9	1.55	713
404134	< 0.01	6.64	< 0.2	420	1.39	0.15	2.58	0.11	82.8	16.7	148	0.81	24.5	3.98	16.4	< 0.05	0.3	0.059	1.39	40.7	14.3	1.32	638
404135	< 0.01	6.48	2.1	450	1.44	0.11	2.25	0.13	58.5	20.9	230	1.04	51.6	4.65	17.1	< 0.05	5.2	0.057	1.34	24.7	18.7	1.48	748
404136	< 0.01	6.95	1.0	450	1.47	0.14	2.25	0.18	76.6	20.5	153	1.31	48.6	4.24	17.1	< 0.05	3.6	0.063	1.48	36.0	19.6	1.46	737
404137	0.03	6.74	< 0.2	460	1.53	0.12	2.22	0.15	88.5	18.3	135	1.11	29.8	3.99	16.4	< 0.05	< 0.1	0.062	1.48	41.7	17.5	1.25	679
404138	0.08	7.33	1.1	580	1.71	0.18	1.85	0.15	86.9	20.3	95	2.32	43.1	4.32	18.1	< 0.05	0.3	0.067	2.04	47.2	26.9	1.31	718
404139	< 0.01	7.10	< 0.2	500	1.64	0.16	2.24	0.14	96.6	17.8	105	1.29	29.2	3.89	18.0	< 0.05	1.9	0.063	1.66	44.6	18.2	1.12	764
404140	< 0.01	6.64	< 0.2	400	1.11	0.06	1.93	< 0.02	19.0	5.7	44	0.72	6.7	1.47	13.3	0.14	1.0	0.019	1.40	8.6	7.6	0.51	273
404141	< 0.01	6.94	19.9	490	1.48	0.38	2.13	0.12	96.5	18.8	164	1.13	35.6	4.18	16.7	< 0.05	4.6	0.063	1.64	47.7	18.0	1.27	732
404142	< 0.01	6.53	< 0.2	430	1.59	0.11	2.15	0.13	109	20.7	198	1.27	32.3	4.37	16.2	< 0.05	3.9	0.057	1.47	36.2	19.9	1.29	772
404143	< 0.01	7.04	< 0.2	500	1.52	0.61	1.83	0.52	96.7	13.7	111	1.15	23.8	3.85	16.8	< 0.05	5.4	0.065	1.70	47.7	17.6	0.97	635
404144	< 0.01	6.59	< 0.2	450	1.71	0.10	2.19	0.11	98.3	19.4	165	1.23	27.9	4.07	17.2	< 0.05	3.1	0.060	1.49	46.2	20.1	1.23	748
404145	< 0.01	6.60	12.8	460	1.71	0.12	2.19	0.16	93.2	30.9	271	1.54	48.1	4.57	17.1	< 0.05	3.7	0.063	1.51	41.0	24.5	1.77	868
404146	< 0.01	6.66	59.3	370	1.12	0.65	3.27	0.24	52.6	52.1	771	1.61	167	5.48	14.4	< 0.05	4.1	0.061	1.25	25.2	25.8	2.70	1320
404147	< 0.01	6.98	15.9	470	1.37	0.19	3.75	0.15	78.2	49.3	306	1.47	127	4.26	14.7	< 0.05	3.5	0.052	1.53	38.2	19.3	1.77	885
404148	< 0.01	6.83	9.9	450	1.49	0.15	2.40	0.17	86.0	29.3	197	1.31	67.3	4.47	16.0	< 0.05	0.5	0.054	1.52	41.4	19.5	1.45	780
404149	< 0.01	6.67	0.9	450	1.41	0.14	2.17	0.12	88.7	30.7	261	1.47	40.9	4.80	16.3	< 0.05	2.0	0.056	1.45	42.7	23.6	2.50	780
404150	< 0.01	6.86	18.3	550	1.60	0.18	2.03	0.11	95.5	16.4	104	1.20	28.9	4.17	15.9	< 0.05	0.8	0.053	1.84	45.6	15.7	0.96	704
404151	< 0.01	6.87	2.9	500	1.50	0.12	2.15	0.08	90.1	18.0	146	1.11	58.6	4.27	15.8	< 0.05	4.4	0.059	1.64	43.6	16.9	1.17	826
404152	< 0.01	7.01	< 0.2	500	1.95	0.13	2.03	0.11	128	30.4	212	1.88	37.1	5.22	17.5	< 0.05	4.2	0.070	1.67	45.8	29.0	1.58	907
404153	< 0.01	6.82	< 0.2	480	1.74	0.11	2.00	0.09	102	19.4	123	1.64	32.0	4.24	16.8	< 0.05	4.1	0.063	1.64	46.3	22.5	1.21	698
404154	< 0.01	6.89	1.3	490	1.64	0.10	2.21	0.09	87.1	16.4	121	1.10	29.2	3.88	16.7	< 0.05	3.9	0.058	1.67	41.5	19.4	1.12	664
404155	< 0.01	7.01	5.9	450	1.60	0.13	2.25	0.13	78.4	23.5	132	1.17	55.9	4.87	17.3	< 0.05	3.5	0.068	1.51	37.0	19.7	1.47	837
404156	< 0.01	6.76	5.4	450	1.31	0.16	2.32	0.09	63.5	19.4	215	1.00	27.7	4.19	16.0	< 0.05	4.7	0.052	1.42	29.2	16.4	1.33	716
404157	< 0.01	6.95	1.9	490	1.47	0.12	2.15	0.09	80.3	17.1	137	1.24	27.7	3.90	16.3	< 0.05	0.6	0.059	1.66	39.0	17.4	1.18	612
404158	0.03	7.01	2.8	510	1.69	0.11	2.17	0.13	91.9	17.0	135	1.27	27.1	4.04	16.7	< 0.05	< 0.1	0.058	1.75	43.8	17.6	1.15	658
404159	< 0.01	7.03	46.5	370	1.31	0.49	2.49	0.17	63.3	26.1	166	1.10	55.9	5.11	17.1	< 0.05	0.8	0.064	1.36	29.8	16.8	1.69	853
404160	< 0.01	6.37	< 0.2	380	1.10	0.04	1.88	< 0.02	20.8	5.6	31	0.74	6.3	1.39	12.8	< 0.05	1.0	0.022	1.41	9.7	8.4	0.50	255
404161	< 0.01	6.80	3.1	330	1.25	0.68	2.80	0.18	64.5	27.0	182	0.78	53.0	4.94	16.2	< 0.05	2.1	0.093	1.09	30.6	15.5	1.94	805
404162	< 0.01	6.86	0.6	440	1.40	0.23	2.39	0.17	86.9	20.8	172	1.09	36.5	4.39	16.2	< 0.05	4.7	0.064	1.44	40.8	17.4	1.40	819
404163	< 0.01	7.12	1.4	490	1.41	0.33	2.27	0.16	81.2	20.1	139	1.38	35.3	4.52	16.2	< 0.05	3.7	0.056	1.61	38.8	19.2	1.50	753
404164	< 0.01	6.48	< 0.2	410	1.57	0.11	2.10	0.11	95.7	23.2	265	1.34	28.3	4.74	15.8	< 0.05	3.1	0.061	1.38	36.6	23.9	1.33	766
404165	< 0.01	6.93	5.9	390	1.45	0.55	2.51	0.18	80.9	25.7	159	1.14	103	4.81	16.6	< 0.05	3.4	0.067	1.35	39.3	17.9	1.49	854
404166	< 0.01	7.01	8.3	520	1.57	0.12	2.16	0.09	80.7	22.4	208	1.32	36.4	3.81	14.9	< 0.05	0.7	0.050	1.59	38.5	20.2	1.57	638
404167	< 0.01	7.10	21.7	480	1.35	0.17	2.83	0.19	71.8	41.8	308	1.29	85.0	5.12	15.2	< 0.05	2.3	0.063	1.36	32.4	22.8	2.32	1200
404168	< 0.01	6.79	1.8	390	1.15	0.09	4.15	0.11	70.2	41.3	380	1.29	68.1	4.89	14.1	< 0.05	2.3	0.058	1.33	32.5	20.2	2.40	959

Analyte Symbol	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn
Unit Symbol	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5
Method Code	TD-MS	TD-ICP	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-ICP
404169	< 0.01	6.55	4.3	430	1.37	0.09	2.95	0.11	84.0	24.1	190	0.92	29.4	4.00	13.7	< 0.05	2.9	0.055	1.42	39.1	14.1	1.53	784
404170	< 0.01	6.88	25.4	480	1.31	0.21	2.83	0.17	73.1	40.5	171	1.23	67.6	4.65	14.9	< 0.05	3.2	0.068	1.56	34.8	18.8	1.62	769
404171	< 0.01	6.22	25.4	420	0.81	0.10	2.47	0.11	47.2	29.6	271	1.00	39.7	6.92	9.36	< 0.05	2.1	0.039	1.34	23.2	13.6	1.77	1030
404172	< 0.01	7.01	0.5	490	1.85	0.10	1.98	0.14	104	22.9	170	1.62	44.6	4.84	17.1	< 0.05	0.8	0.069	1.66	51.4	24.1	1.44	821
404173	< 0.01	6.81	18.6	470	1.49	0.17	2.06	0.15	78.1	25.0	221	1.11	46.6	4.58	16.1	< 0.05	3.7	0.056	1.51	38.1	19.5	1.54	747
404174	< 0.01	6.70	< 0.2	460	1.72	0.09	1.97	0.08	93.7	19.7	191	1.47	27.1	4.54	17.1	< 0.05	4.8	0.058	1.30	39.2	23.2	1.32	759
404175	< 0.01	7.62	9.6	580	1.60	0.17	1.54	0.11	70.8	26.4	187	2.51	60.3	5.36	17.4	< 0.05	3.1	0.056	1.54	34.2	31.5	1.96	756
404176	< 0.01	7.13	3.4	550	1.58	0.14	1.95	0.15	76.0	24.0	168	2.36	77.0	4.97	16.8	< 0.05	3.2	0.052	1.68	37.4	25.8	1.81	827
404177	< 0.01	6.88	1.5	470	1.43	0.12	2.10	0.15	75.8	19.7	159	1.36	45.6	4.43	15.4	< 0.05	2.3	0.057	1.58	37.3	19.8	1.55	685
404178	< 0.01	7.08	8.1	510	1.63	0.14	2.34	0.17	95.4	34.5	144	1.89	57.5	4.87	17.2	< 0.05	0.9	0.057	1.76	47.8	25.8	1.51	816
404179	< 0.01	6.95	5.7	450	1.39	0.18	2.24	0.10	67.0	24.9	212	1.26	39.9	4.71	15.6	< 0.05	2.6	0.059	1.47	31.4	20.5	1.77	802
404180	< 0.01	7.06	8.5	460	1.45	0.19	2.12	0.09	71.1	27.2	205	1.37	39.0	4.81	17.2	< 0.05	3.0	0.063	1.51	33.1	23.2	1.83	821
404181	< 0.01	6.87	13.5	440	1.31	0.17	2.34	0.18	82.3	28.2	214	1.15	41.4	4.39	16.0	< 0.05	3.7	0.058	1.51	38.5	18.3	1.55	909
404182	< 0.01	6.91	11.8	450	1.47	0.20	2.20	0.18	78.9	23.3	146	1.32	74.0	4.71	17.3	< 0.05	3.8	0.062	1.56	37.9	20.3	1.46	776
404183	< 0.01	6.86	5.5	390	1.23	0.11	2.55	0.14	79.0	21.0	146	0.93	42.4	4.56	16.6	< 0.05	3.8	0.072	1.26	36.8	16.1	1.52	715
404184	< 0.01	6.82	6.8	440	1.85	0.15	1.82	0.15	91.7	25.8	198	2.04	64.9	5.01	18.0	< 0.05	5.0	0.067	1.32	38.6	29.1	1.49	844
404185	< 0.01	6.63	1.3	380	1.26	0.08	2.99	0.15	77.2	22.8	169	0.81	33.1	4.08	16.2	< 0.05	0.5	0.074	1.26	35.1	15.0	1.43	756
404186	< 0.01	6.86	4.4	430	1.54	0.11	2.27	0.13	84.5	25.6	148	1.40	79.5	4.80	17.3	< 0.05	2.4	0.063	1.48	38.9	21.5	1.56	688
404187	< 0.01	7.14	< 0.2	430	1.40	0.11	2.97	0.14	91.1	19.4	135	0.79	30.0	4.62	16.2	< 0.05	1.5	0.060	1.42	40.0	14.3	1.46	859
404188	< 0.01	7.39	1.3	390	1.24	0.22	2.81	0.19	66.1	23.0	150	0.81	46.9	5.06	16.8	< 0.05	2.8	0.074	1.27	29.3	16.2	1.70	828
404189	< 0.01	7.16	1.4	410	1.12	0.08	2.95	0.14	69.9	18.9	158	0.80	37.1	4.54	15.3	< 0.05	3.1	0.061	1.40	30.9	14.3	1.60	780
404190	< 0.01	7.10	5.5	400	1.39	0.10	2.85	0.12	88.3	19.8	197	0.78	32.3	4.60	16.6	< 0.05	3.7	0.062	1.36	41.1	14.0	1.44	778
404191	< 0.01	7.06	< 0.2	350	1.32	0.17	3.21	0.17	87.0	20.3	212	0.64	34.4	4.96	16.9	< 0.05	3.7	0.065	1.15	38.8	12.9	1.61	831
404192	< 0.01	7.38	< 0.2	480	1.51	0.13	2.48	0.11	92.1	22.1	161	1.19	49.8	4.63	17.5	< 0.05	4.2	0.068	1.65	41.6	19.4	1.48	766
404193	< 0.01	7.38	0.5	490	1.73	0.13	2.38	0.21	96.1	22.6	144	1.37	50.5	4.85	17.3	< 0.05	4.2	0.079	1.68	43.9	19.8	1.45	963
404194	< 0.01	7.36	4.4	480	1.41	0.14	1.98	0.24	83.0	29.5	179	1.67	77.1	5.15	17.0	< 0.05	4.3	0.072	1.72	38.3	23.4	1.67	1360
404195	< 0.01	7.07	10.4	460	1.42	0.08	2.93	0.16	89.3	34.0	399	0.98	49.0	4.40	16.6	< 0.05	5.0	0.054	1.52	39.4	17.3	1.71	880
404196	< 0.01	6.97	< 0.2	500	1.64	0.08	2.20	0.11	97.6	18.2	155	1.21	29.0	4.17	17.0	< 0.05	2.9	0.058	1.73	47.1	20.4	1.26	678
404197	< 0.01	7.29	2.5	330	1.02	0.08	3.11	0.14	55.8	27.5	193	0.92	70.7	5.13	16.4	< 0.05	2.1	0.067	1.13	24.9	16.5	2.16	856
404198	< 0.01	7.30	< 0.2	430	1.42	0.12	2.97	0.13	76.3	20.1	146	0.88	44.4	4.61	16.6	< 0.05	2.6	0.063	1.42	34.4	16.7	1.64	719
404199	< 0.01	7.32	< 0.2	490	1.56	0.10	2.54	0.15	97.1	21.5	110	1.24	48.3	4.64	16.9	< 0.05	2.9	0.068	1.68	46.5	19.4	1.52	859
404200	< 0.01	6.85	< 0.2	400	0.99	0.05	2.21	< 0.02	26.7	6.4	54	0.69	9.0	1.81	13.6	< 0.05	1.5	0.027	1.39	11.6	7.2	0.57	347
404201	< 0.01	7.69	0.5	570	1.70	0.13	2.11	0.15	89.0	23.4	146	2.13	54.4	4.98	17.7	< 0.05	4.3	0.059	2.02	43.8	26.7	1.58	764
404202	< 0.01	7.31	3.3	520	1.42	0.11	2.23	0.16	81.2	19.6	124	1.27	45.1	4.24	15.3	< 0.05	3.9	0.059	1.83	35.6	18.5	1.38	831
404203	< 0.01	7.35	< 0.2	480	1.44	0.10	2.44	0.19	83.3	25.0	166	1.25	50.2	5.19	16.3	< 0.05	3.2	0.071	1.60	38.2	20.1	1.66	1200
404204	< 0.01	7.28	< 0.2	510	1.77	0.09	2.27	0.15	92.8	23.9	180	1.62	54.5	5.39	16.7	< 0.05	0.7	0.069	1.70	46.1	23.7	1.65	900
404205	< 0.01	7.51	< 0.2	510	1.45	0.10	2.28	0.18	71.0	23.3	112	1.40	57.3	4.93	16.1	< 0.05	2.5	0.060	1.72	32.5	21.5	1.64	894
404206	< 0.01	7.41	< 0.2	500	2.24	0.09	2.36	0.18	87.7	25.3	187	1.47	74.3	5.32	17.6	< 0.05	3.6	0.058	1.67	41.8	23.8	1.77	832
404207	< 0.01	7.31	< 0.2	550	1.71	0.09	2.19	0.10	96.2	21.5	176	1.63	41.6	4.78	17.1	< 0.05	3.7	0.057	1.87	46.0	23.7	1.51	796
404208	< 0.01	7.69	1.3	570	1.85	0.12	2.16	0.20	96.3	29.6	219	2.19	77.7	5.87	18.3	< 0.05	4.9	0.069	1.90	48.4	29.4	1.90	909
404209	< 0.01	7.41	< 0.2	520	1.99	0.09	2.11	0.10	99.4	18.3	173	1.49	33.7	4.82	16.8	< 0.05	3.9	0.057	1.78	49.6	23.1	1.45	671
404210	< 0.01	7.48	< 0.2	420	1.33	0.08	3.34	0.16	95.0	22.1	197	0.73	30.9	5.44	17.2	< 0.05	3.0	0.084	1.35	42.5	13.8	1.65	886

Analyte Symbol	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn
Unit Symbol	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5
Method Code	TD-MS	TD-ICP	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-ICP
404211	< 0.01	7.63	< 0.2	540	1.84	0.10	2.06	0.09	119	28.0	234	1.88	38.9	5.98	18.0	< 0.05	2.8	0.076	1.77	45.6	26.5	1.77	1150
404212	< 0.01	7.51	< 0.2	520	1.77	0.11	2.03	0.12	103	22.4	255	2.16	56.5	5.59	18.1	< 0.05	4.0	0.069	1.48	56.2	26.8	1.72	766
404213	< 0.01	7.49	< 0.2	540	1.80	0.10	2.37	0.18	130	23.1	158	1.63	39.8	5.12	18.0	< 0.05	0.7	0.065	1.62	61.6	25.5	1.51	1010
404214	0.07	8.26	1.8	620	1.81	0.12	1.75	0.27	101	34.6	90	2.27	79.3	6.28	19.4	< 0.05	0.4	0.062	2.06	46.2	31.7	2.07	1390
404215	< 0.01	8.16	1.2	530	1.61	0.10	1.65	0.14	77.2	29.8	131	1.81	49.6	6.36	19.7	< 0.05	2.4	0.078	1.84	38.2	26.8	1.97	1050
404216	< 0.01	7.46	< 0.2	520	1.64	0.08	2.35	0.14	100	18.9	158	1.44	33.7	4.82	17.0	< 0.05	3.5	0.057	1.82	47.6	21.7	1.41	778
404217	< 0.01	7.24	< 0.2	540	1.72	0.09	2.40	0.17	103	26.8	217	1.55	45.0	5.52	16.8	< 0.05	5.2	0.066	1.84	48.1	23.0	1.70	1010
404218	< 0.01	7.97	7.2	570	1.65	0.13	2.17	0.18	75.3	28.5	187	1.79	58.9	5.69	16.6	< 0.05	4.6	0.063	1.93	34.8	24.8	1.76	946
404219	< 0.01	7.56	0.4	520	1.55	0.10	2.47	0.18	77.6	21.1	178	1.15	30.4	5.16	16.6	< 0.05	4.7	0.056	1.80	33.9	20.7	1.60	916
404220	0.33	7.71	34.3	2780	2.92	6.42	0.68	0.34	85.4	15.4	24	6.61	1540	4.55	17.6	< 0.05	7.2	0.653	3.42	36.6	20.4	0.30	434
404221	< 0.01	7.66	< 0.2	580	1.73	0.10	2.26	0.15	94.5	25.4	235	1.55	47.7	5.58	17.2	< 0.05	3.6	0.060	1.86	45.6	23.6	1.75	931
404222	< 0.01	7.37	< 0.2	530	1.56	0.08	2.35	0.14	87.9	21.4	217	1.41	36.1	5.08	15.8	< 0.05	3.7	0.061	1.76	42.3	21.0	1.63	808
404223	< 0.01	7.45	< 0.2	570	1.55	0.07	2.31	0.11	86.7	21.4	289	1.21	34.9	4.78	15.5	< 0.05	4.3	0.056	1.54	39.1	20.5	1.51	805
404224	< 0.01	7.51	< 0.2	530	1.57	0.08	2.61	0.10	97.0	21.5	235	1.12	31.5	4.81	14.8	< 0.05	2.7	0.068	1.70	43.5	18.4	1.52	882
404225	< 0.01	7.58	1.0	550	1.46	0.12	1.84	0.27	80.5	23.3	108	2.49	52.3	5.46	16.4	< 0.05	1.2	0.058	1.96	38.1	29.1	1.54	822
404226	< 0.01	7.52	< 0.2	490	1.49	0.10	2.29	0.19	72.5	24.7	162	1.87	54.5	6.15	17.0	< 0.05	2.6	0.071	1.83	35.4	25.8	1.83	905
404227	< 0.01	7.26	< 0.2	430	1.36	0.07	2.55	0.14	71.6	22.1	210	1.20	42.1	5.38	16.1	< 0.05	2.9	0.066	1.59	35.5	19.7	1.73	796
404228	< 0.01	7.69	< 0.2	520	1.62	0.11	2.03	0.15	74.4	23.7	132	2.11	50.8	5.46	18.0	< 0.05	3.1	0.052	2.03	37.9	27.3	1.66	927
404229	< 0.01	7.66	10.1	390	1.30	0.11	3.22	0.20	54.7	45.3	289	1.47	99.2	7.76	17.0	< 0.05	3.3	0.077	1.29	24.4	22.1	2.93	1240
404230	< 0.01	7.10	0.7	500	1.21	0.10	2.09	0.17	68.6	17.1	151	1.49	31.0	4.79	14.2	< 0.05	4.2	0.054	1.94	34.4	19.9	1.37	789
404231	< 0.01	7.55	3.0	490	1.47	0.11	2.29	0.25	67.8	28.2	207	1.84	51.2	6.16	17.3	< 0.05	4.3	0.072	1.88	31.5	25.3	1.98	983
404232	< 0.01	7.48	< 0.2	500	1.68	0.10	2.33	0.22	88.4	30.0	155	1.64	55.8	6.63	17.7	< 0.05	3.9	0.074	1.82	40.6	23.7	1.86	1140
404233	< 0.01	7.39	< 0.2	500	1.58	0.09	2.30	0.21	83.1	26.2	154	1.69	48.2	6.05	17.2	< 0.05	3.1	0.075	1.93	39.7	23.6	1.76	951
404234	< 0.01	7.30	1.3	410	1.37	0.06	2.66	0.10	61.5	29.0	393	1.25	51.7	6.09	16.2	< 0.05	4.0	0.070	1.45	29.2	22.0	2.34	855
404235	< 0.01	7.17	0.4	450	1.32	0.08	2.19	0.14	68.0	20.7	153	1.50	42.5	4.98	16.0	< 0.05	2.9	0.056	1.77	32.8	22.5	1.56	727
404236	< 0.01	7.27	0.2	460	1.56	0.09	2.26	0.27	77.4	26.5	120	1.67	48.8	5.70	16.9	< 0.05	2.7	0.072	1.81	35.7	23.0	1.63	1130
404237	< 0.01	7.07	< 0.2	460	1.59	0.09	2.32	0.17	64.6	31.7	269	1.71	60.4	6.34	16.8	< 0.05	1.9	0.063	1.55	32.4	25.9	2.23	906
404238	< 0.01	7.03	< 0.2	390	1.37	0.07	2.85	0.22	66.0	37.5	293	1.13	63.2	6.53	16.4	< 0.05	1.0	0.059	1.38	29.3	21.4	2.56	1100
404239	< 0.01	7.18	< 0.2	500	1.66	0.09	2.13	0.18	74.8	26.1	201	1.69	44.9	5.49	16.3	< 0.05	2.1	0.067	1.87	35.8	24.6	1.81	754
404240	< 0.01	6.94	< 0.2	480	1.43	0.11	1.96	0.25	76.6	27.2	251	1.96	46.0	5.49	15.4	< 0.05	2.5	0.069	1.89	35.3	26.1	1.85	630
404241	< 0.01	7.07	< 0.2	490	1.61	0.12	2.12	0.32	85.0	30.3	281	2.16	50.6	5.49	16.9	< 0.05	3.8	0.058	1.87	39.8	28.0	1.97	640
404242	< 0.01	7.04	0.7	480	1.42	0.11	2.01	0.21	66.0	22.2	199	1.93	46.6	5.39	15.6	< 0.05	3.1	0.052	1.91	33.9	25.4	1.59	738
404243	0.07	6.93	1.5	490	1.45	0.11	1.79	0.23	69.5	15.7	111	1.73	32.8	4.18	14.7	< 0.05	0.1	0.047	1.44	36.1	23.0	1.11	579
404244	< 0.01	7.11	1.1	520	1.56	0.11	2.06	0.23	71.0	22.7	187	2.22	47.6	5.66	16.4	< 0.05	1.7	0.064	1.80	38.5	27.8	1.66	867
404245	< 0.01	6.91	< 0.2	330	1.22	0.05	3.24	0.16	57.9	35.8	329	0.87	66.0	6.08	15.3	< 0.05	0.7	0.078	1.16	25.7	18.4	2.60	1030
404246	< 0.01	6.90	< 0.2	410	1.32	0.08	2.54	0.18	64.5	24.4	210	1.30	44.4	5.48	15.2	< 0.05	2.7	0.065	1.53	31.7	20.8	1.91	799
404247	< 0.01	6.88	< 0.2	420	1.53	0.08	2.72	0.21	80.6	35.7	242	1.26	50.7	6.15	16.4	< 0.05	2.0	0.088	1.47	35.1	21.6	2.13	1180
404248	< 0.01	7.07	0.6	520	1.46	0.12	1.62	0.34	75.6	22.2	92	2.04	43.1	4.99	15.1	< 0.05	2.8	0.059	2.14	36.4	26.1	1.34	816
404249	< 0.01	7.24	0.7	510	1.59	0.11	2.03	0.29	77.4	29.6	172	1.91	70.4	6.07	16.7	< 0.05	2.9	0.070	1.93	37.0	26.4	1.80	1120
404250	< 0.01	7.06	< 0.2	490	1.62	0.09	2.22	0.20	83.5	29.0	171	1.63	44.7	5.93	16.5	< 0.05	2.8	0.066	1.75	38.5	23.7	1.72	1030
404251	< 0.01	6.65	< 0.2	450	1.66	0.07	2.41	0.23	75.3	38.8	468	1.23	54.2	6.40	15.5	< 0.05	3.3	0.075	1.40	32.4	27.2	2.45	1140
404252	< 0.01	6.83	< 0.2	440	1.44	0.08	2.11	0.15	76.7	35.0	394	1.40	53.4	6.15	15.2	< 0.05	2.5	0.061	1.52	35.5	25.5	2.23	955

Analyte Symbol	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn
Unit Symbol	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5
Method Code	TD-MS	TD-ICP	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-ICP
404253	0.03	6.76	< 0.2	410	1.40	0.06	2.55	0.13	76.0	29.0	399	0.98	41.3	5.63	14.1	< 0.05	0.1	0.067	1.38	34.8	20.0	2.00	912
404254	< 0.01	6.74	< 0.2	440	1.43	0.07	2.26	0.13	70.6	26.0	326	1.30	48.1	5.32	14.8	< 0.05	2.2	0.060	1.58	35.6	22.7	1.87	773
404255	< 0.01	6.75	< 0.2	420	1.32	0.07	2.59	0.15	78.3	28.8	344	1.02	59.9	5.49	15.0	< 0.05	2.6	0.064	1.43	35.8	18.5	1.81	959
404256	< 0.01	6.95	< 0.2	460	1.55	0.08	2.29	0.14	80.8	29.9	285	1.35	43.6	5.88	15.6	< 0.05	2.7	0.079	1.56	39.6	22.4	1.89	976
404257	< 0.01	7.04	< 0.2	490	1.72	0.09	2.22	0.15	82.1	31.5	322	1.51	47.3	6.46	16.6	< 0.05	2.5	0.079	1.56	37.4	25.0	2.04	816
404258	< 0.01	6.68	< 0.2	430	1.33	0.08	2.20	0.11	74.9	24.5	345	1.38	44.6	5.02	14.0	< 0.05	3.1	0.058	1.64	36.5	22.1	1.68	827
404259	< 0.01	6.98	0.3	450	1.30	0.09	2.11	0.09	65.7	23.9	358	1.48	39.7	5.30	13.4	< 0.05	3.1	0.056	1.73	27.3	23.3	1.77	802
404260	< 0.01	9.79	1.9	160	0.85	0.38	0.35	< 0.02	48.3	7.7	113	5.95	32.1	7.04	25.5	< 0.05	2.5	0.099	0.55	22.2	37.8	0.34	523
404261	< 0.01	6.82	1.7	420	1.35	0.07	2.64	0.20	64.6	36.1	543	1.22	54.9	6.28	14.6	< 0.05	4.6	0.059	1.23	29.4	23.3	2.38	1100
404262	< 0.01	6.87	< 0.2	420	1.28	0.07	2.46	0.16	70.2	28.5	364	1.24	55.5	5.39	13.4	< 0.05	2.8	0.058	1.44	32.5	21.0	1.88	904
404263	0.05	6.97	< 0.2	440	1.53	0.09	2.38	0.14	78.4	33.6	408	1.32	51.0	6.30	14.8	< 0.05	< 0.1	0.068	1.46	36.4	24.1	2.10	1060
404264	0.03	7.02	0.7	510	1.47	0.12	1.68	0.15	69.0	16.6	92	2.19	38.2	4.19	15.0	< 0.05	0.4	0.053	1.62	35.9	27.8	1.18	601
404265	0.10	7.19	1.6	540	1.58	0.12	1.69	0.31	73.9	21.2	97	2.26	46.2	4.87	14.7	< 0.05	0.1	0.054	2.13	37.5	27.7	1.36	782
404266	< 0.01	6.92	< 0.2	470	1.41	0.08	2.02	0.15	65.8	21.0	281	1.61	36.9	5.09	14.2	< 0.05	2.7	0.065	1.85	33.1	24.1	1.60	681
404267	< 0.01	6.96	< 0.2	430	1.42	0.07	2.45	0.15	65.1	29.1	375	1.26	45.3	6.09	14.1	< 0.05	1.6	0.065	1.57	31.7	21.9	2.18	872
404268	< 0.01	7.03	< 0.2	440	1.55	0.08	2.47	0.15	70.7	28.1	436	1.29	46.2	5.70	14.2	< 0.05	2.5	0.071	1.57	34.2	22.0	2.04	890
404269	< 0.01	6.98	< 0.2	430	1.36	0.10	2.45	0.18	73.5	34.6	391	1.20	51.6	6.00	14.4	< 0.05	3.2	0.070	1.49	32.8	22.8	2.13	1100
404270	< 0.01	7.15	< 0.2	470	1.40	0.10	2.15	0.21	68.4	22.7	212	1.68	41.5	5.30	14.7	< 0.05	3.6	0.067	1.89	34.4	24.4	1.68	758
404271	< 0.01	6.99	< 0.2	450	1.75	0.10	2.51	0.25	76.5	35.3	372	1.49	57.1	6.35	14.6	< 0.05	2.9	0.059	1.65	36.3	25.7	2.41	1050
404272	< 0.01	6.97	1.0	510	1.39	0.11	1.95	0.24	68.4	26.4	296	1.84	52.3	6.05	13.9	< 0.05	2.9	0.059	1.46	34.4	25.7	2.02	848
404273	0.06	6.72	< 0.2	500	1.45	0.10	1.87	0.18	68.6	20.7	198	1.73	42.0	5.17	13.9	< 0.05	0.2	0.057	1.47	35.1	24.5	1.59	707
404274	< 0.01	6.80	0.6	490	1.46	0.10	1.92	0.25	74.8	28.3	244	1.78	53.2	5.80	14.6	< 0.05	2.1	0.063	1.62	35.2	25.6	1.89	912
404275	< 0.01	6.62	< 0.2	520	1.38	0.11	1.58	0.10	74.7	13.5	106	1.96	34.5	4.26	14.2	< 0.05	0.6	0.057	1.68	37.8	25.1	1.22	531
404276	< 0.01	6.62	< 0.2	440	1.24	0.09	2.39	0.16	76.6	32.0	350	1.12	40.7	5.59	13.6	< 0.05	2.4	0.068	1.45	33.1	20.3	1.94	1060
404277	< 0.01	6.43	< 0.2	420	1.24	0.08	2.43	0.17	70.4	28.6	360	1.08	41.0	5.57	13.9	< 0.05	2.1	0.066	1.29	31.8	19.4	2.01	804
404278	< 0.01	6.59	< 0.2	470	1.41	0.09	2.19	0.17	72.7	29.5	340	1.39	44.7	5.82	13.9	< 0.05	3.0	0.057	1.47	33.4	24.1	2.03	942
404279	< 0.01	6.70	1.4	540	1.43	0.11	1.76	0.20	69.0	19.9	160	1.84	36.4	4.81	13.3	< 0.05	3.0	0.065	2.03	33.4	24.4	1.43	759
404280	< 0.01	5.72	< 0.2	390	0.89	0.05	1.80	< 0.02	14.9	5.5	73	0.65	5.6	1.43	10.6	< 0.05	1.0	0.023	1.19	5.8	6.7	0.48	300
404281	< 0.01	7.02	< 0.2	540	1.51	0.12	1.92	0.15	77.0	26.0	319	1.87	41.5	5.65	14.6	< 0.05	0.5	0.073	1.44	36.8	25.3	1.79	1030
404282	< 0.01	6.72	1.0	370	1.07	0.07	2.90	0.22	63.1	33.7	331	0.92	57.6	6.23	13.8	< 0.05	2.0	0.063	1.16	27.4	17.7	2.43	1040
404283	0.03	6.76	< 0.2	420	1.34	0.09	2.43	0.11	56.3	28.5	270	1.30	58.4	6.34	13.9	< 0.05	0.3	0.077	1.33	27.0	21.4	2.37	878
404284	< 0.01	6.74	< 0.2	410	1.33	0.08	2.59	0.12	63.4	25.3	296	1.07	46.6	5.64	14.2	< 0.05	2.3	0.064	1.29	29.6	18.8	2.06	745
404285	< 0.01	6.82	< 0.2	480	1.38	0.09	2.21	0.21	76.7	32.4	322	1.45	49.9	6.24	13.8	< 0.05	2.4	0.056	1.56	34.1	24.1	2.21	1050
404286	< 0.01	6.86	0.4	540	1.39	0.11	1.67	0.23	69.6	19.4	169	1.92	49.1	4.98	13.6	< 0.05	2.8	0.056	1.98	34.7	25.5	1.47	714
404287	< 0.01	6.80	0.4	500	1.50	0.14	2.07	0.20	78.1	33.2	368	1.62	52.2	6.30	14.1	< 0.05	3.9	0.066	1.58	35.6	24.4	2.09	1350
404288	< 0.01	6.69	< 0.2	470	1.37	0.11	2.09	0.17	67.6	25.1	236	1.44	40.2	5.78	14.1	< 0.05	4.2	0.057	1.61	31.4	20.8	1.66	944
404289	< 0.01	6.66	< 0.2	450	1.49	0.10	2.20	0.16	82.2	30.4	345	1.34	42.6	5.98	14.2	< 0.05	3.2	0.063	1.43	36.6	20.4	1.94	1010
404290	< 0.01	6.59	< 0.2	460	1.50	0.12	2.24	0.15	73.6	30.3	408	1.46	40.8	6.05	14.8	< 0.05	3.6	0.055	1.46	33.7	21.6	1.98	1020
404291	< 0.01	6.11	< 0.2	450	1.48	0.07	2.20	0.16	63.6	26.9	423	1.34	35.1	5.49	14.5	< 0.05	4.4	0.070	1.38	28.5	21.2	1.77	941
404292	< 0.01	6.68	< 0.2	440	1.49	0.07	2.25	0.18	76.7	32.6	446	1.26	44.0	6.16	14.2	< 0.05	1.4	0.060	1.34	33.5	20.1	1.97	1070
404293	< 0.01	6.70	< 0.2	470	1.54	0.08	2.26	0.18	78.4	31.2	404	1.36	41.4	6.26	14.8	< 0.05	1.7	0.062	1.52	35.9	21.2	1.98	1050
404294	0.04	6.67	< 0.2	460	1.36	0.07	2.28	0.14	71.8	23.6	336	1.27	35.2	5.53	13.6	< 0.05	< 0.1	0.068	1.27	34.8	19.8	1.70	876

Analyte Symbol	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn
Unit Symbol	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5
Method Code	TD-MS	TD-ICP	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-ICP
404295	< 0.01	6.67	< 0.2	460	1.45	0.09	2.13	0.15	74.7	27.0	357	1.45	39.7	6.00	14.7	< 0.05	2.1	0.073	1.50	35.9	21.1	1.90	890
404296	< 0.01	6.85	< 0.2	480	1.38	0.07	2.32	0.09	65.9	22.0	295	1.41	38.0	5.65	13.7	< 0.05	2.7	0.063	1.53	34.2	20.9	1.72	975
404297	< 0.01	6.85	< 0.2	490	1.57	0.09	2.17	0.17	74.7	26.9	396	1.40	67.0	6.14	18.5	< 0.05	3.6	0.065	1.60	35.2	21.5	1.92	893
404298	< 0.01	6.56	< 0.2	440	1.43	0.10	2.21	0.21	75.4	30.2	397	1.23	35.5	6.02	17.4	< 0.05	3.8	0.066	1.18	34.8	19.7	1.96	1060
404299	< 0.01	6.65	< 0.2	470	1.36	0.11	2.03	0.19	73.8	24.1	192	1.56	42.1	5.58	17.4	< 0.05	4.0	0.062	1.59	35.5	21.2	1.59	876
404300	< 0.01	6.68	< 0.2	480	1.44	0.09	2.09	0.21	72.9	25.0	223	1.62	42.7	5.67	18.0	< 0.05	3.4	0.064	1.60	35.3	21.4	1.61	912
404301	< 0.01	6.93	0.5	530	1.43	0.11	1.89	0.24	70.5	20.4	119	1.93	43.6	5.32	17.9	< 0.05	3.9	0.058	1.86	34.9	24.3	1.44	801
404302	< 0.01	5.76	0.4	450	1.41	0.08	2.03	0.20	56.1	24.8	330	1.31	36.7	5.29	16.6	< 0.05	4.3	0.060	1.50	24.9	20.6	1.59	884
404303	< 0.01	6.96	< 0.2	510	1.50	0.09	2.04	0.26	75.5	28.3	362	1.74	49.1	6.05	17.4	< 0.05	3.2	0.069	1.58	36.0	24.1	1.99	784
404304	< 0.01	7.20	< 0.2	550	1.38	0.11	1.98	0.20	74.8	21.8	178	2.02	39.3	5.12	17.9	< 0.05	1.2	0.051	1.70	35.5	25.1	1.51	854
404305	< 0.01	6.85	< 0.2	500	1.60	0.08	2.35	0.20	79.6	32.4	391	1.55	51.7	6.57	17.7	< 0.05	2.1	0.061	1.54	36.6	23.8	2.18	1050
404306	< 0.01	6.71	< 0.2	470	1.44	0.07	2.28	0.10	71.8	24.1	301	1.24	35.5	5.59	16.5	< 0.05	2.7	0.063	1.50	34.0	20.6	1.78	836
404307	< 0.01	6.56	< 0.2	440	1.26	0.08	2.51	0.15	74.7	27.8	352	0.88	40.2	5.58	15.4	< 0.05	2.8	0.069	1.32	34.0	18.7	1.88	919
404308	< 0.01	6.71	< 0.2	490	1.48	0.08	2.21	0.17	74.3	29.0	382	1.35	44.3	6.47	16.6	< 0.05	2.9	0.074	1.48	34.8	22.6	2.08	1420
404309	< 0.01	6.79	< 0.2	490	1.48	0.07	2.24	0.18	76.8	32.0	381	1.17	41.9	6.76	16.6	< 0.05	1.9	0.071	1.44	35.2	21.6	2.09	997
404310	< 0.01	6.51	< 0.2	420	1.50	0.06	2.49	0.12	72.3	27.0	386	0.94	34.9	5.65	15.5	< 0.05	2.6	0.069	1.28	33.4	18.4	2.05	945
404311	0.02	6.63	< 0.2	450	1.31	0.06	2.30	0.16	77.5	31.8	403	1.34	38.3	6.45	16.4	< 0.05	0.2	0.063	1.37	35.3	21.4	2.12	887
404312	0.03	6.59	< 0.2	440	1.43	0.06	2.44	0.15	73.2	28.2	384	1.17	37.4	5.71	15.8	< 0.05	0.2	0.063	1.37	33.3	19.9	2.00	887
404313	< 0.01	6.75	< 0.2	480	1.48	0.06	2.29	0.10	69.4	27.9	387	1.30	37.3	6.14	16.3	< 0.05	2.3	0.071	1.46	34.0	22.1	2.14	931
404314	< 0.01	6.61	< 0.2	460	1.35	0.06	2.30	0.13	71.9	30.7	386	1.24	40.3	6.26	16.0	< 0.05	1.9	0.076	1.39	33.4	22.0	2.29	933
404315	< 0.01	6.71	< 0.2	480	1.56	0.07	2.27	0.15	76.9	31.6	367	1.35	42.8	6.43	16.4	< 0.05	2.6	0.069	1.51	35.6	23.3	2.31	1010
404316	< 0.01	6.52	< 0.2	460	1.45	0.08	2.29	0.17	82.1	34.3	334	1.06	43.1	6.34	15.7	< 0.05	2.0	0.068	1.37	36.2	21.7	2.32	1100
404317	< 0.01	6.67	< 0.2	440	1.54	0.07	2.44	0.23	78.4	32.2	304	1.05	42.6	6.39	16.6	< 0.05	2.1	0.068	1.33	35.1	20.7	2.19	1100
404318	< 0.01	6.58	0.8	430	1.54	0.07	2.48	0.20	77.6	33.3	464	1.03	43.1	6.58	16.5	< 0.05	1.6	0.067	1.27	34.7	20.6	2.37	1190
404319	< 0.01	6.59	< 0.2	450	1.50	0.07	2.18	0.12	69.0	27.7	371	1.16	38.4	6.45	16.3	< 0.05	2.7	0.057	1.30	32.5	21.9	2.27	856
404320	< 0.01	7.03	11.5	180	0.70	0.32	0.18	< 0.02	23.4	28.3	536	3.15	354	14.2	19.5	0.38	4.0	0.078	0.39	9.3	21.2	0.22	517
404321	< 0.01	6.50	< 0.2	410	1.37	0.06	2.53	0.15	74.5	30.3	489	0.95	37.2	6.16	15.3	< 0.05	0.9	0.069	1.22	33.1	18.8	2.21	1090
404322	< 0.01	6.67	< 0.2	440	1.52	0.06	2.45	0.11	75.0	25.7	376	1.13	34.0	5.96	15.7	< 0.05	1.1	0.067	1.34	34.3	19.9	2.02	975
404323	< 0.01	6.72	< 0.2	490	1.67	0.06	2.51	0.17	79.3	28.3	280	1.42	42.2	5.95	16.7	< 0.05	2.9	0.062	1.53	35.5	22.5	2.09	1320
404324	< 0.01	6.51	< 0.2	430	1.47	0.06	2.46	0.14	79.4	33.2	410	0.84	36.0	6.76	16.0	< 0.05	2.5	0.072	1.20	35.1	18.6	2.50	1170
404325	< 0.01	6.87	< 0.2	510	1.51	0.08	2.24	0.13	74.1	27.1	307	1.64	35.0	6.19	17.2	< 0.05	3.3	0.070	1.52	35.4	24.8	2.10	949
404326	< 0.01	6.53	< 0.2	450	1.47	0.09	2.49	0.16	74.9	29.0	410	1.21	32.7	6.22	16.1	< 0.05	3.3	0.084	1.33	34.7	20.1	2.14	1050
404327	< 0.01	6.90	< 0.2	510	1.42	0.10	2.09	0.16	75.7	25.2	253	1.78	41.4	5.79	16.9	< 0.05	3.8	0.066	1.68	37.1	24.1	1.82	921
404328	< 0.01	6.67	< 0.2	450	1.42	0.08	2.40	0.27	79.5	30.6	390	1.34	40.4	6.13	16.2	< 0.05	2.6	0.077	1.41	36.0	20.1	1.99	1060
404329	< 0.01	6.96	< 0.2	500	1.53	0.10	2.35	0.21	76.5	31.1	400	1.34	42.2	6.63	16.3	< 0.05	3.1	0.065	1.55	35.3	21.6	2.15	1180
404330	< 0.01	6.21	< 0.2	410	1.42	0.05	2.39	0.10	61.2	27.1	570	0.93	34.5	5.97	14.6	< 0.05	4.3	0.060	1.29	28.3	16.8	1.89	1040
404331	< 0.01	6.66	< 0.2	450	1.41	0.09	2.33	0.17	76.0	25.0	370	1.25	33.9	5.72	15.2	< 0.05	1.2	0.073	1.46	34.9	18.6	1.77	1000
404332	0.03	6.88	< 0.2	490	1.42	0.08	2.32	0.15	76.1	26.8	318	1.40	39.0	6.08	15.9	< 0.05	0.2	0.067	1.44	35.2	20.5	1.87	1180
404333	< 0.01	6.75	< 0.2	450	1.51	0.06	2.47	1.55	73.0	25.0	380	1.07	33.4	6.06	15.8	< 0.05	2.1	0.066	1.45	33.9	19.0	1.98	904
404334	< 0.01	6.75	< 0.2	450	1.50	0.07	2.23	0.17	66.9	27.2	448	1.33	43.6	6.33	16.3	< 0.05	2.2	0.069	1.44	33.8	21.5	2.18	875
404335	< 0.01	6.61	< 0.2	450	1.38	0.08	2.28	0.10	68.0	20.7	371	1.21	30.3	5.42	15.7	< 0.05	2.9	0.068	1.41	34.2	20.0	1.74	803
404336	< 0.01	6.90	< 0.2	490	1.42	0.08	2.27	0.17	80.5	30.2	379	1.42	51.2	6.62	16.8	< 0.05	3.3	0.073	1.52	37.2	22.3	2.13	1170

Analyte Symbol	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn
Unit Symbol	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5
Method Code	TD-MS	TD-ICP	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-ICP
404337	< 0.01	6.87	< 0.2	500	1.63	0.10	2.22	0.13	81.9	29.5	351	1.43	41.7	6.56	16.1	< 0.05	3.7	0.068	1.58	37.7	22.5	2.11	1120
404338	< 0.01	6.97	< 0.2	510	1.38	0.11	2.40	0.14	72.6	27.1	335	1.54	39.2	6.45	16.7	< 0.05	4.4	0.068	1.58	34.3	23.4	2.07	1080
404339	< 0.01	6.93	< 0.2	500	1.53	0.08	2.18	0.20	77.1	32.1	378	1.53	46.3	6.72	16.4	< 0.05	2.7	0.068	1.53	35.6	22.3	2.10	1400
404340	< 0.01	6.40	< 0.2	410	1.05	0.04	1.96	< 0.02	19.8	5.1	46	0.64	6.4	1.59	11.5	< 0.05	1.3	0.024	1.28	8.2	6.3	0.53	309
404341	< 0.01	6.58	< 0.2	490	1.47	0.07	2.12	0.15	63.7	29.1	391	1.34	40.0	6.50	16.4	< 0.05	4.1	0.076	1.37	30.6	22.9	2.23	930
404342	< 0.01	7.05	< 0.2	520	1.48	0.07	2.24	0.23	78.3	35.2	380	1.49	49.6	6.95	16.9	< 0.05	2.7	0.070	1.57	34.2	24.1	2.44	1170
404343	0.01	6.68	< 0.2	480	1.49	0.07	2.23	0.13	71.9	28.7	328	1.40	41.6	5.97	16.1	< 0.05	0.5	0.075	1.48	33.7	22.2	2.09	933
404344	< 0.01	6.78	< 0.2	490	1.58	0.07	2.28	0.14	71.4	30.5	407	1.38	46.8	6.63	16.2	< 0.05	2.3	0.076	1.47	33.2	22.9	2.32	947
404345	< 0.01	6.74	< 0.2	490	1.43	0.06	2.38	0.19	74.4	31.0	361	1.37	40.1	6.09	15.7	< 0.05	2.9	0.057	1.47	33.6	22.2	2.14	1470
404346	< 0.01	6.63	< 0.2	430	1.41	0.06	2.48	0.32	79.9	32.2	339	0.96	39.7	6.09	15.1	< 0.05	3.3	0.066	1.32	35.6	18.4	2.14	1120
404347	< 0.01	6.59	< 0.2	440	1.61	0.08	2.48	0.14	78.8	28.3	355	1.02	36.4	6.00	15.5	< 0.05	3.0	0.078	1.34	35.8	19.8	2.12	1040
404348	< 0.01	6.44	< 0.2	420	1.29	0.06	2.50	0.13	75.3	25.7	360	0.97	30.0	5.57	15.1	< 0.05	3.7	0.066	1.33	34.4	18.4	1.98	943
404349	< 0.01	6.65	< 0.2	500	1.30	0.09	2.20	0.10	72.6	17.8	184	1.71	26.1	4.29	15.8	< 0.05	4.5	0.056	1.63	35.7	21.5	1.35	720
404350	< 0.01	6.35	< 0.2	420	1.40	0.06	2.42	0.12	71.2	23.8	536	1.04	55.5	5.54	15.2	< 0.05	2.4	0.081	1.27	33.9	17.6	1.82	863
404351	0.03	6.58	< 0.2	450	1.47	0.06	2.36	0.17	73.7	30.1	400	1.12	33.1	6.03	15.6	< 0.05	0.2	0.066	1.31	33.7	20.3	2.15	1060
404352	0.03	6.65	< 0.2	490	1.49	0.07	2.12	0.19	79.6	28.6	441	1.34	43.0	6.62	16.8	< 0.05	0.3	0.088	1.35	36.8	22.2	2.22	673
404353	< 0.01	6.67	< 0.2	470	1.54	0.07	2.31	0.16	76.0	29.6	400	1.21	37.7	6.10	16.0	< 0.05	2.0	0.064	1.42	34.8	20.7	2.09	849
404354	< 0.01	6.67	< 0.2	460	1.63	0.07	2.33	0.19	74.4	30.6	452	1.23	38.8	6.35	16.3	< 0.05	2.4	0.070	1.36	34.7	21.4	2.07	951
404355	< 0.01	6.54	< 0.2	460	1.44	0.08	2.35	0.17	73.4	25.5	431	1.15	32.1	5.71	15.4	< 0.05	2.5	0.077	1.42	33.8	20.1	1.95	1060
404356	< 0.01	6.67	< 0.2	500	1.58	0.10	2.19	0.19	73.3	33.2	347	1.36	41.1	6.58	15.9	< 0.05	3.2	0.070	1.52	33.6	23.1	2.32	1270
404357	< 0.01	6.29	< 0.2	420	1.39	0.06	2.34	0.16	69.3	20.8	432	0.95	26.4	5.21	14.7	< 0.05	2.2	0.061	1.27	33.2	17.9	1.83	711
404358	< 0.01	6.50	< 0.2	450	1.31	0.07	2.36	0.17	77.2	25.9	439	1.15	34.4	5.65	15.2	< 0.05	3.2	0.061	1.38	35.3	19.3	1.89	848
404359	< 0.01	5.79	0.8	450	1.34	0.07	2.27	0.10	54.6	28.8	402	1.25	38.0	5.96	16.1	< 0.05	4.8	0.081	1.36	23.8	21.9	1.98	1030
404360	< 0.01	6.77	< 0.2	470	1.57	0.06	2.35	0.16	79.7	30.4	376	1.25	41.0	6.42	16.5	< 0.05	2.6	0.074	1.30	35.7	22.1	2.17	1060
404361	< 0.01	7.28	< 0.2	570	1.71	0.09	1.97	0.18	87.0	21.0	91	2.40	41.4	4.92	18.1	< 0.05	3.7	0.050	1.68	41.9	29.6	1.49	780
404362	0.01	6.98	< 0.2	510	1.65	0.07	2.18	0.11	69.0	25.2	293	1.68	34.6	6.14	16.8	< 0.05	0.5	0.060	1.56	35.1	25.6	2.09	922
404363	0.15	6.69	< 0.2	480	1.56	0.07	2.24	0.13	81.3	27.7	269	1.48	33.2	5.72	16.3	< 0.05	2.8	0.064	1.54	37.4	21.8	1.99	1100
404364	< 0.01	7.34	5.9	500	1.38	0.20	1.71	0.16	65.9	25.6	160	1.63	61.0	5.94	17.1	< 0.05	3.1	0.067	1.66	31.2	21.3	1.94	858
404365	0.86	7.13	1.7	460	1.35	0.09	1.82	0.11	66.7	23.4	173	1.24	46.2	5.41	16.0	< 0.05	3.0	0.058	1.50	32.0	19.4	1.77	899
404366	< 0.01	7.17	5.5	460	1.28	0.10	1.80	0.11	60.5	24.5	178	1.29	46.9	5.72	16.2	< 0.05	3.5	0.052	1.48	28.4	18.9	1.89	939
404367	< 0.01	6.94	5.0	460	1.28	0.11	1.78	0.17	64.5	25.0	169	1.33	49.8	5.45	15.9	< 0.05	3.4	0.070	1.49	29.3	19.3	1.80	968
404368	< 0.01	7.30	4.6	480	1.30	0.10	1.78	0.12	63.4	26.3	178	1.49	55.4	5.76	16.3	< 0.05	3.2	0.062	1.61	29.1	21.8	1.89	1040
404369	< 0.01	6.55	9.5	500	1.57	0.11	1.39	0.05	46.5	23.9	198	1.83	54.6	5.69	17.4	< 0.05	4.4	0.056	1.28	21.8	24.3	1.74	887
404370	< 0.01	6.81	1.7	470	1.18	0.08	1.74	0.08	62.1	20.6	146	1.18	36.8	4.85	14.9	< 0.05	3.0	0.052	1.45	27.9	18.8	1.55	894
404371	< 0.01	6.78	0.9	430	1.22	0.08	1.95	0.14	71.7	22.5	160	0.95	38.3	4.99	15.1	< 0.05	1.1	0.055	1.35	31.8	16.6	1.56	940
404372	< 0.01	6.87	1.9	480	1.33	0.09	1.72	0.07	60.6	21.1	137	1.38	40.7	4.99	16.0	< 0.05	2.2	0.036	1.64	29.4	20.7	1.59	761
404373	< 0.01	6.76	2.2	430	1.19	0.08	1.85	0.23	67.7	26.8	150	1.09	42.2	5.12	15.2	< 0.05	2.4	0.061	1.39	28.2	17.6	1.71	1100
404374	< 0.01	7.48	5.1	500	1.37	0.11	1.76	0.15	59.8	25.6	170	1.66	56.7	5.92	16.3	< 0.05	3.0	0.059	1.68	28.6	22.2	1.95	1140
404375	< 0.01	7.24	7.1	490	1.26	0.13	1.56	0.03	62.7	25.7	178	1.50	51.1	6.06	16.9	< 0.05	3.5	0.056	1.54	28.6	22.2	1.93	928
404376	< 0.01	7.46	9.3	470	1.33	0.12	1.66	0.11	62.4	28.9	223	1.54	63.6	6.41	17.4	< 0.05	3.8	0.070	1.52	30.0	22.5	2.17	1160
404377	< 0.01	7.14	7.4	480	1.29	0.11	1.62	0.12	62.9	25.9	209	1.50	52.7	5.86	16.1	< 0.05	4.0	0.059	1.56	29.6	21.5	1.92	1040
404378	< 0.01	7.16	19.6	480	1.26	0.14	1.71	0.17	59.7	25.6	153	1.47	48.2	5.78	16.0	< 0.05	2.9	0.067	1.64	27.2	21.0	1.85	1020

Analyte Symbol	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn
Unit Symbol	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5
Method Code	TD-MS	TD-ICP	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-ICP
404379	< 0.01	6.50	7.8	500	1.41	0.12	1.64	0.21	52.9	23.7	187	1.69	56.7	5.56	16.4	< 0.05	4.1	0.062	1.37	24.2	24.0	1.71	1050
404380	< 0.01	9.19	0.6	160	0.87	0.34	0.33	< 0.02	48.0	7.6	90	5.87	32.9	6.99	23.4	< 0.05	1.9	0.084	0.49	21.8	36.9	0.34	512
404381	< 0.01	7.11	4.7	540	1.32	0.12	1.73	0.23	68.3	25.8	134	1.83	55.5	5.51	16.3	< 0.05	2.0	0.063	1.79	32.2	23.8	1.67	963
404382	< 0.01	7.28	1.6	480	1.30	0.10	1.71	0.07	67.3	26.1	145	1.40	50.3	5.80	16.7	< 0.05	0.7	0.053	1.47	30.8	21.1	1.93	825
404383	< 0.01	6.85	1.5	460	1.35	0.08	1.80	0.06	62.9	22.0	154	1.23	46.2	4.99	15.6	< 0.05	2.3	0.067	1.52	28.9	20.1	1.65	847
404384	< 0.01	6.94	3.3	510	1.41	0.10	1.58	0.06	64.3	20.6	126	1.44	42.5	4.90	16.2	< 0.05	2.7	0.041	1.80	31.6	22.0	1.50	791
404385	< 0.01	7.40	5.9	510	1.57	0.14	1.61	0.12	64.7	24.9	149	1.88	60.2	5.92	17.3	< 0.05	3.0	0.065	1.79	32.3	25.1	1.92	865
404386	< 0.01	7.10	9.3	480	1.41	0.11	1.73	0.12	64.9	25.3	154	1.50	50.8	5.68	16.0	< 0.05	2.8	0.066	1.62	29.7	21.4	1.83	1120
404387	< 0.01	7.08	3.9	490	1.42	0.12	1.76	0.10	67.9	26.0	151	1.66	51.1	5.49	16.6	< 0.05	3.2	0.050	1.67	31.8	23.1	1.72	1000
404388	< 0.01	7.14	5.5	490	1.44	0.11	1.63	0.22	65.7	23.8	159	1.70	51.0	5.61	16.4	< 0.05	3.2	0.053	1.67	31.3	22.6	1.82	985
404389	< 0.01	7.11	4.8	470	1.39	0.11	1.78	0.13	64.0	26.2	171	1.44	54.1	5.73	16.4	< 0.05	3.0	0.059	1.55	29.4	20.8	1.86	893
404390	0.06	7.42	3.8	480	1.49	0.10	1.82	0.15	65.7	26.9	153	1.45	55.6	5.97	16.7	< 0.05	0.2	0.071	1.53	29.9	22.6	1.93	1140
404391	< 0.01	7.25	0.6	500	1.45	0.10	1.68	0.06	63.1	21.6	116	1.52	43.3	5.28	16.3	< 0.05	0.4	0.051	1.61	31.2	23.3	1.65	848
404392	0.08	7.19	1.5	460	1.28	0.12	1.79	0.16	60.2	25.7	135	1.31	45.2	5.50	16.2	< 0.05	1.0	0.060	1.43	27.1	19.7	1.78	986
404393	< 0.01	7.31	3.9	490	1.35	0.11	1.72	0.13	64.2	26.4	141	1.51	52.1	5.95	16.9	< 0.05	1.9	0.045	1.60	30.1	22.9	1.84	1060
404394	< 0.01	7.06	1.7	460	1.40	0.10	1.75	0.16	68.1	23.0	159	1.20	43.3	5.17	16.5	< 0.05	2.8	0.052	1.53	31.6	19.9	1.67	813
404395	< 0.01	7.27	3.4	500	1.50	0.11	1.67	0.12	67.8	26.4	139	1.62	49.5	5.48	17.8	< 0.05	2.8	0.059	1.69	30.9	24.0	1.83	1040
404396	< 0.01	7.45	5.6	490	1.35	0.11	1.69	0.08	58.7	27.3	190	1.65	57.8	6.10	17.5	< 0.05	2.8	0.054	1.56	27.6	24.7	2.03	1040
404397	< 0.01	7.30	5.6	460	1.22	0.20	1.83	0.53	68.8	28.3	152	1.17	48.5	5.87	16.9	< 0.05	2.1	0.069	1.47	29.9	19.4	1.88	1240
404398	< 0.01	7.14	8.7	460	1.26	0.09	1.77	0.09	49.4	25.8	224	1.18	49.5	5.63	16.8	< 0.05	4.4	0.078	1.59	20.8	20.9	1.85	955
404399	< 0.01	7.13	4.0	480	1.38	0.11	1.77	0.11	62.5	24.3	158	1.36	44.7	5.32	16.3	< 0.05	3.2	0.055	1.36	28.0	20.8	1.67	921
404400	< 0.01	6.14	< 0.2	390	0.95	0.05	1.89	< 0.02	20.2	5.6	46	0.71	6.6	1.50	12.5	< 0.05	1.7	0.020	1.23	8.7	7.3	0.51	305
404401	0.05	7.10	3.8	470	1.34	0.10	1.75	0.18	61.8	25.8	127	1.23	44.9	6.05	16.4	< 0.05	0.2	0.051	1.44	27.9	21.1	1.76	1030
404402	< 0.01	6.88	6.0	440	1.28	0.09	1.88	0.22	63.1	20.4	141	1.06	36.8	5.04	15.8	< 0.05	2.5	0.068	1.44	29.6	17.5	1.55	825
404403	< 0.01	7.00	4.8	460	1.37	0.09	1.76	0.21	62.2	23.8	135	1.23	44.3	5.51	16.6	< 0.05	2.3	0.060	1.44	28.5	20.2	1.73	940
404404	< 0.01	7.07	96.4	470	1.39	0.15	1.71	0.63	62.5	24.5	143	1.37	52.0	5.70	16.2	< 0.05	2.4	0.062	1.53	29.6	22.2	1.73	987
404405	< 0.01	7.39	4.4	500	1.55	0.15	1.83	0.10	56.8	22.0	147	1.49	47.9	5.57	16.2	< 0.05	3.3	0.053	1.67	28.0	21.8	1.79	903
404406	< 0.01	7.39	4.1	500	1.44	0.11	1.69	0.05	60.3	24.3	163	1.70	56.9	5.64	17.1	< 0.05	3.1	0.073	1.69	30.0	23.5	1.81	939
404407	< 0.01	7.49	4.5	520	1.41	0.13	1.56	0.22	67.2	25.8	155	1.73	54.6	5.77	17.2	< 0.05	2.9	0.069	1.82	33.0	24.6	1.83	949
404408	0.01	7.32	1.7	500	1.26	0.10	1.76	0.14	64.5	26.4	139	1.45	46.5	5.64	16.0	< 0.05	0.4	0.046	1.59	28.4	21.1	1.81	1190
404409	< 0.01	6.19	7.7	460	1.28	0.11	1.67	0.02	43.2	23.0	209	1.38	50.1	5.39	16.6	0.10	4.4	0.055	1.40	18.9	22.5	1.69	814
404410	< 0.01	7.29	5.2	480	1.34	0.11	1.84	0.18	65.1	26.7	178	1.69	55.3	5.80	16.6	< 0.05	3.2	0.056	1.43	30.1	21.9	1.85	1050
404411	< 0.01	7.84	4.3	520	1.60	0.16	1.65	0.16	60.9	27.6	138	1.70	59.1	6.05	18.8	< 0.05	0.4	0.067	1.55	28.7	23.3	1.95	1170
404412	< 0.01	7.50	4.7	530	1.58	0.13	1.66	0.18	68.7	29.2	109	2.02	61.4	6.02	18.2	< 0.05	1.4	0.063	1.71	32.0	27.1	1.83	1170
404413	< 0.01	7.44	478	530	1.57	0.17	1.65	14.7	64.6	23.4	107	1.44	48.6	5.45	17.3	< 0.05	2.4	0.060	1.78	29.8	21.6	1.57	1050
404414	< 0.01	7.23	3.5	510	1.53	0.12	1.75	0.14	70.8	27.1	131	1.79	57.5	5.53	17.3	< 0.05	2.5	0.058	1.66	32.6	24.3	1.68	1130
404415	< 0.01	7.39	1.6	530	1.54	0.19	1.67	0.21	66.2	25.2	138	1.86	56.2	5.62	17.1	< 0.05	2.3	0.058	1.78	31.1	23.7	1.74	1240
404416	< 0.01	7.00	2.6	520	1.49	0.10	1.70	0.10	66.6	23.2	120	1.79	49.3	5.06	16.3	< 0.05	2.7	0.047	1.77	31.5	22.8	1.57	842
404417	< 0.01	7.00	14.7	480	1.40	0.11	1.83	0.12	68.9	24.3	136	1.43	47.4	5.33	16.1	< 0.05	1.4	0.057	1.56	31.5	20.4	1.63	985
404418	0.04	7.16	13.2	490	1.45	0.13	1.83	0.12	76.5	24.3	125	1.46	44.8	5.30	16.8	< 0.05	< 0.1	0.061	1.68	34.5	21.3	1.60	1020
404419	< 0.01	7.25	0.5	490	1.33	0.13	1.84	0.12	65.0	27.0	127	1.35	47.6	5.71	17.0	< 0.05	1.3	0.071	1.66	29.2	21.0	1.82	1130
404420	< 0.01	7.24	< 0.2	480	1.39	0.15	1.83	0.14	65.0	25.5	117	1.26	45.8	5.52	16.6	< 0.05	1.7	0.073	1.58	29.3	19.9	1.77	1120

Analyte Symbol	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn
Unit Symbol	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5
Method Code	TD-MS	TD-ICP	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-ICP
404421	0.07	7.50	2.1	490	1.51	0.14	1.71	0.09	59.8	27.4	128	1.45	53.1	6.14	17.0	< 0.05	1.6	0.054	1.65	27.1	22.4	2.01	1240
404422	< 0.01	7.06	0.8	460	1.24	0.12	1.75	0.16	64.5	26.4	122	1.22	45.6	5.47	16.2	< 0.05	1.9	0.047	1.58	28.5	19.7	1.74	1130
404423	< 0.01	6.87	1.2	470	1.39	0.12	1.84	0.17	61.2	22.9	134	1.24	38.9	5.19	15.7	< 0.05	2.2	0.048	1.56	28.7	19.3	1.66	859
404424	< 0.01	7.06	2.2	480	1.39	0.12	1.74	0.09	68.7	24.0	119	1.46	45.6	5.32	16.1	< 0.05	0.8	0.062	1.65	32.5	21.5	1.67	962
404425	< 0.01	6.96	0.7	510	1.42	0.11	1.64	0.08	64.8	18.8	125	1.50	43.7	4.90	16.2	< 0.05	3.1	0.054	1.71	32.7	22.9	1.54	627
404426	< 0.01	6.09	4.7	520	1.65	0.16	1.52	0.18	47.5	21.8	120	1.73	50.4	4.88	17.1	< 0.05	4.0	0.048	1.55	21.9	24.9	1.31	820
404427	< 0.01	7.24	7.9	490	1.42	0.14	1.69	0.15	67.7	27.7	168	1.55	60.2	5.78	17.3	< 0.05	3.3	0.058	1.72	32.6	22.9	1.88	981
404428	< 0.01	6.88	1.5	490	1.45	0.11	1.63	< 0.02	66.2	20.9	131	1.35	47.1	4.68	16.5	< 0.05	3.7	0.073	1.69	33.4	21.8	1.44	669
404429	< 0.01	7.11	6.7	470	1.35	0.14	1.84	0.08	68.7	32.3	172	1.51	56.8	6.12	17.3	< 0.05	3.1	0.067	1.53	30.8	22.4	2.03	1140
404430	< 0.01	7.40	11.3	480	1.47	0.16	1.86	0.21	73.8	37.5	167	1.53	67.2	6.53	18.0	< 0.05	2.7	0.067	1.62	32.2	22.1	2.15	1400
404431	< 0.01	7.80	6.5	490	1.36	0.18	1.82	0.20	67.3	39.0	192	1.81	81.5	6.85	17.8	< 0.05	2.7	0.066	1.54	29.9	23.2	2.17	1660
404432	< 0.01	7.34	6.5	470	1.37	0.17	1.78	0.20	71.2	36.2	174	1.64	70.2	6.31	17.4	< 0.05	2.2	0.061	1.49	31.5	22.3	2.03	1260
404433	< 0.01	7.80	12.7	500	1.49	0.20	1.69	0.18	60.7	35.1	190	1.92	86.9	6.88	18.1	< 0.05	3.1	0.058	1.61	28.9	24.1	2.17	1230
404434	< 0.01	7.68	4.5	510	1.39	0.18	1.60	0.10	62.3	28.6	152	1.98	70.8	6.38	17.7	< 0.05	1.9	0.064	1.67	28.9	25.1	2.01	971
404435	< 0.01	7.77	9.4	500	1.51	0.23	1.56	0.21	64.3	41.8	188	1.87	81.8	6.96	18.8	< 0.05	3.0	0.080	1.61	29.4	24.8	2.18	1760
404436	< 0.01	7.61	2.7	480	1.46	0.19	1.67	0.06	60.4	29.9	139	1.90	76.9	6.45	17.8	< 0.05	1.7	0.072	1.55	29.1	24.3	2.07	945
404437	< 0.01	6.62	10.6	470	1.47	0.15	1.53	0.07	49.6	27.5	219	1.82	73.9	5.98	18.4	< 0.05	4.0	0.064	1.57	24.1	23.8	1.87	1070
404438	< 0.01	7.25	6.3	500	1.35	0.13	1.82	0.07	72.9	31.6	175	1.54	55.7	6.00	17.0	< 0.05	3.4	0.049	1.70	32.3	21.9	1.89	1250
404439	< 0.01	7.36	9.3	540	1.52	0.15	1.64	0.16	63.7	32.1	153	2.04	71.9	6.05	18.2	< 0.05	3.4	0.064	1.80	29.6	26.4	1.81	1510
404440	< 0.01	6.37	< 0.2	410	1.14	0.07	2.00	< 0.02	27.4	6.7	40	0.68	6.2	1.65	14.2	< 0.05	1.3	0.017	1.29	11.9	7.7	0.54	321
404441	< 0.01	7.39	3.4	540	1.63	0.15	1.70	0.12	65.4	27.4	113	2.01	66.2	5.69	18.0	< 0.05	2.7	0.045	1.89	31.1	26.9	1.77	993
404442	< 0.01	6.85	2.0	480	1.38	0.10	1.64	0.04	58.5	19.2	104	1.53	44.8	4.85	16.7	< 0.05	2.7	0.039	1.68	29.3	22.5	1.43	679
404443	< 0.01	6.79	2.0	490	1.46	0.13	1.76	< 0.02	71.0	18.9	158	1.39	55.8	4.55	16.0	< 0.05	3.2	0.044	1.68	36.0	21.3	1.34	671
404444	< 0.01	7.19	7.5	530	1.61	0.18	1.79	0.15	61.5	22.3	142	1.80	51.4	5.45	17.9	< 0.05	4.5	0.065	1.78	30.7	24.4	1.67	799
404445	< 0.01	7.50	8.5	530	1.40	0.18	1.69	0.14	63.3	28.1	142	2.18	68.9	6.16	18.7	< 0.05	3.9	0.074	1.88	31.8	27.2	1.92	892
404446	< 0.01	7.41	3.7	520	1.44	0.15	1.70	0.12	65.4	25.2	123	1.91	62.8	5.84	18.4	< 0.05	2.3	0.055	1.76	33.4	26.1	1.85	822
404447	< 0.01	7.11	40.6	570	1.72	0.13	1.47	< 0.02	63.4	25.0	158	2.29	63.3	5.76	18.1	< 0.05	4.8	0.061	1.81	33.2	28.5	1.50	842
404448	< 0.01	7.06	1.9	560	1.55	0.11	1.59	0.06	73.8	19.3	126	2.01	41.4	4.93	17.2	< 0.05	4.2	0.051	1.85	36.1	26.0	1.36	742
404449	< 0.01	7.18	2.2	500	1.35	0.09	1.91	0.08	73.0	23.9	186	1.52	45.6	5.63	16.3	< 0.05	3.4	0.076	1.67	35.2	20.8	1.70	1060
404450	0.02	6.99	1.6	570	1.53	0.10	1.54	0.09	67.8	20.6	86	2.05	44.8	4.90	16.6	< 0.05	0.3	0.053	2.02	33.7	26.9	1.38	764
404451	< 0.01	6.70	< 0.2	510	1.70	0.08	1.68	0.09	68.0	17.3	96	1.56	36.0	4.36	16.2	< 0.05	2.9	0.052	1.77	33.9	22.8	1.25	672
404452	< 0.01	6.94	0.6	490	1.35	0.07	1.82	0.03	67.2	17.4	101	1.12	29.7	4.74	16.2	< 0.05	0.5	0.054	1.66	31.3	18.1	1.30	846
404453	< 0.01	7.05	1.9	490	1.25	0.08	1.87	0.10	63.1	17.5	102	1.16	29.8	5.04	16.1	< 0.05	2.6	0.052	1.64	30.2	18.0	1.37	938
404454	< 0.01	7.07	5.0	460	1.41	0.11	1.80	0.15	66.1	24.8	156	1.36	46.9	5.72	16.2	< 0.05	3.1	0.075	1.59	30.6	20.6	1.71	1150
404455	< 0.01	7.47	5.8	520	1.38	0.13	1.63	0.04	69.2	22.2	146	1.85	52.5	5.77	17.5	< 0.05	3.9	0.060	1.82	34.7	24.2	1.67	881
404456	< 0.01	7.00	3.9	430	1.22	0.10	2.07	0.16	68.5	24.9	158	1.32	52.7	5.66	15.9	< 0.05	3.0	0.060	1.45	31.1	18.6	1.72	1060
404457	< 0.01	6.96	7.4	490	1.39	0.12	1.68	0.14	64.3	23.2	171	1.81	55.2	5.70	16.7	< 0.05	3.9	0.048	1.65	31.8	23.7	1.69	921
404458	< 0.01	6.80	1.2	490	1.38	0.09	1.84	0.09	63.8	19.4	100	1.40	37.6	4.52	15.6	< 0.05	1.4	0.059	1.72	30.0	21.6	1.32	755
404459	< 0.01	7.22	9.4	550	1.50	0.12	1.47	0.15	66.6	23.9	107	2.18	49.6	5.45	16.4	< 0.05	1.5	0.056	1.88	31.5	25.8	1.52	1170
404460	0.03	8.16	7.3	190	0.78	0.33	0.20	< 0.02	35.9	29.4	513	3.60	367	14.9	20.7	0.20	2.3	0.099	0.42	16.5	23.4	0.25	516
404461	< 0.01	6.87	2.7	500	1.39	0.18	1.63	0.43	66.9	20.1	123	1.48	46.2	4.68	16.7	< 0.05	2.6	0.057	1.70	33.1	22.7	1.42	724
404462	< 0.01	7.30	3.5	540	1.46	0.13	1.64	0.03	65.1	25.1	131	1.81	49.9	5.27	16.9	< 0.05	3.4	0.047	1.84	30.7	24.7	1.65	856

Analyte Symbol	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn
Unit Symbol	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5
Method Code	TD-MS	TD-ICP	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-ICP
404463	< 0.01	7.21	13.5	550	1.45	0.16	1.72	0.22	62.9	24.5	163	1.78	61.9	5.58	17.0	< 0.05	4.1	0.061	1.76	31.2	24.0	1.76	874
404464	< 0.01	7.80	21.4	530	1.59	0.16	1.64	0.19	64.6	36.4	173	2.02	78.1	6.78	19.0	< 0.05	3.6	0.065	1.77	30.2	26.7	2.22	1630
404465	< 0.01	6.08	18.5	470	1.42	0.13	1.61	0.22	44.2	31.7	228	1.68	66.0	6.27	17.6	< 0.05	3.8	0.066	1.50	18.9	24.3	1.89	1430
404466	< 0.01	7.61	9.9	480	1.45	0.13	1.70	0.15	65.6	33.3	233	1.86	73.5	6.80	18.5	< 0.05	3.7	0.079	1.56	29.9	24.7	2.29	1410
404467	< 0.01	7.11	10.9	510	1.30	0.13	1.72	0.12	63.4	25.1	169	1.72	116	5.87	15.9	< 0.05	3.4	0.041	1.72	31.8	23.2	1.86	874
404468	0.09	7.35	16.0	520	1.56	0.14	1.50	0.25	67.6	34.3	182	2.06	77.7	6.76	17.7	< 0.05	0.3	0.056	1.78	31.7	24.2	2.20	1560
404469	< 0.01	7.08	9.7	480	1.38	0.13	1.50	0.14	66.1	31.3	209	1.75	68.2	6.42	16.5	< 0.05	2.8	0.072	1.67	32.0	20.8	2.26	1390
404470	< 0.01	7.49	11.5	470	1.42	0.14	1.60	0.24	63.3	37.2	210	2.07	83.2	7.08	18.1	< 0.05	1.9	0.062	1.60	29.2	23.7	2.53	1420
404471	< 0.01	7.02	< 0.2	500	1.28	0.08	1.83	0.07	63.7	20.0	127	1.35	29.9	5.03	15.8	< 0.05	2.1	0.043	1.62	30.1	20.0	1.52	907
404472	< 0.01	6.83	2.9	470	1.34	0.06	1.88	0.11	68.2	18.4	141	1.20	31.0	4.82	15.4	< 0.05	3.1	0.055	1.56	31.3	16.4	1.51	866
404473	< 0.01	6.88	< 0.2	490	1.38	0.07	1.88	0.03	70.5	17.1	141	1.27	25.2	4.93	15.9	< 0.05	4.3	0.045	1.62	33.1	18.0	1.39	814
404474	< 0.01	6.97	4.5	510	1.53	0.12	2.26	0.27	73.7	32.3	401	1.31	43.5	6.87	16.2	< 0.05	3.0	0.064	1.56	33.1	22.9	2.29	1160
404475	< 0.01	6.00	2.3	480	1.45	0.07	2.17	0.11	41.8	30.5	416	1.14	39.2	6.67	16.4	0.47	5.1	0.061	1.46	18.1	23.0	2.14	1040
404476	< 0.01	6.93	< 0.2	510	1.75	0.07	2.23	0.22	77.4	33.7	440	1.44	47.8	6.72	17.6	< 0.05	3.3	0.073	1.57	35.8	24.4	2.22	1090
404477	< 0.01	6.63	2.9	450	1.50	0.17	2.40	0.40	72.8	25.6	476	1.03	36.3	5.83	15.7	< 0.05	3.9	0.065	1.37	35.1	20.1	1.89	889
404478	< 0.01	6.66	< 0.2	440	1.42	0.07	2.44	0.15	71.6	27.6	426	0.96	41.7	5.99	15.6	< 0.05	1.7	0.076	1.34	34.0	19.5	1.93	925
404479	< 0.01	6.99	< 0.2	480	1.56	0.07	2.32	0.13	75.3	35.9	331	1.20	56.1	6.84	17.1	< 0.05	1.9	0.066	1.46	34.4	22.3	2.26	1110
404480	< 0.01	6.87	< 0.2	460	1.48	0.06	2.33	0.15	73.8	35.2	337	1.10	54.4	6.56	16.8	< 0.05	2.4	0.085	1.41	33.0	22.0	2.20	1090
404481	< 0.01	6.99	3.2	520	1.78	0.08	2.12	0.14	72.9	29.3	292	1.60	44.5	6.45	17.2	< 0.05	2.4	0.069	1.65	35.3	25.8	2.08	948
404482	< 0.01	6.93	< 0.2	490	1.63	0.07	2.22	0.14	73.2	31.5	315	1.36	41.9	6.67	16.9	< 0.05	2.6	0.087	1.52	34.2	23.7	2.18	1050
404483	< 0.01	6.92	< 0.2	500	1.69	0.09	2.37	0.25	76.6	30.6	320	1.52	50.5	6.53	17.2	< 0.05	2.7	0.061	1.55	35.8	25.7	2.17	986
404484	< 0.01	6.80	< 0.2	510	1.49	0.08	2.08	0.11	68.0	23.4	265	1.56	32.8	5.48	17.2	< 0.05	3.6	0.078	1.64	33.1	25.0	1.75	894
404485	< 0.01	6.91	< 0.2	480	1.57	0.08	2.31	0.21	75.4	33.9	324	1.28	54.2	6.74	16.1	< 0.05	2.2	0.076	1.47	34.4	23.3	2.30	1100
404486	< 0.01	5.90	1.9	460	1.52	0.07	2.19	0.21	46.9	30.4	444	1.33	42.6	6.31	17.4	< 0.05	5.0	0.081	1.48	20.9	25.0	2.04	991
404487	< 0.01	6.86	< 0.2	490	1.71	0.07	2.21	0.18	84.2	35.3	394	1.38	46.7	6.64	17.0	< 0.05	2.9	0.064	1.56	38.5	24.7	2.23	1160
404488	< 0.01	6.88	< 0.2	480	1.72	0.07	2.25	0.18	78.1	36.9	360	1.37	47.5	6.86	16.6	< 0.05	2.9	0.069	1.49	35.7	24.0	2.34	1150
404489	< 0.01	6.72	< 0.2	460	1.61	0.07	2.36	0.14	72.1	29.7	345	1.23	40.2	5.87	16.4	< 0.05	3.0	0.051	1.45	32.6	22.5	1.97	929
404490	< 0.01	6.86	< 0.2	470	1.43	0.06	2.44	0.06	71.7	19.6	355	1.00	24.4	4.94	15.5	< 0.05	0.4	0.045	1.47	34.6	19.7	1.59	747
404491	< 0.01	7.03	< 0.2	480	1.59	0.07	2.53	0.18	74.8	34.2	326	1.26	48.3	6.80	16.7	< 0.05	2.4	0.064	1.56	33.9	23.6	2.41	1080
404492	< 0.01	6.81	< 0.2	510	1.57	0.08	2.04	0.12	69.2	17.1	192	1.68	31.6	4.62	15.9	< 0.05	2.9	0.043	1.70	35.5	24.1	1.42	633
404493	< 0.01	6.64	< 0.2	450	1.50	0.07	2.23	0.15	63.8	22.6	314	1.31	36.3	5.68	16.4	< 0.05	2.1	0.068	1.41	33.2	22.1	1.84	770
404494	< 0.01	7.05	3.4	510	1.88	0.13	1.86	0.18	76.2	31.9	349	2.77	91.2	7.26	18.2	< 0.05	3.0	0.092	1.64	46.0	31.2	2.18	931
404495	< 0.01	6.79	< 0.2	500	1.42	0.09	2.12	0.11	70.1	22.1	347	1.59	35.4	5.25	16.5	< 0.05	3.3	0.066	1.60	33.8	23.5	1.64	817
404496	< 0.01	7.11	1.9	520	1.85	0.11	2.17	0.24	75.2	30.9	304	1.87	56.4	6.42	17.9	< 0.05	3.3	0.060	1.72	35.5	27.7	2.07	1010
404497	< 0.01	6.83	< 0.2	470	1.63	0.08	2.35	0.17	75.8	32.3	360	1.31	45.9	6.52	17.1	< 0.05	3.2	0.058	1.52	34.1	23.6	2.30	1010
404498	< 0.01	7.13	< 0.2	520	1.65	0.08	2.34	0.17	74.1	25.1	330	1.62	37.4	5.90	17.1	< 0.05	3.5	0.054	1.70	34.9	25.1	1.89	893
404499	< 0.01	6.90	< 0.2	490	1.51	0.08	2.26	0.11	70.1	25.1	315	1.63	40.7	5.69	16.5	< 0.05	1.7	0.062	1.59	33.6	25.2	1.87	858
404500	< 0.01	6.41	< 0.2	410	1.00	0.14	2.06	< 0.02	25.7	6.3	47	0.70	7.2	1.73	12.9	< 0.05	1.4	0.023	1.28	11.6	7.1	0.55	319

Analyte Symbol	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y
Unit Symbol	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.05	0.01	0.1	0.2	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1	1	0.1	0.1
Method Code	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-ICP	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-MS	TD-MS
404127	< 0.05	2.02	< 0.1	75.7	880	12.0	55.6	< 0.002	< 0.01	< 0.05	20.3	< 1	< 0.2	261	< 0.05	< 0.05	8.9	0.115	0.35	1.8	46	< 0.1	21.4
404128	< 0.05	2.00	0.1	68.2	670	11.1	49.5	< 0.002	< 0.01	< 0.05	23.1	< 1	0.3	258	< 0.05	< 0.05	8.0	0.116	0.31	1.6	42	< 0.1	20.5
404129	< 0.05	2.07	< 0.1	70.5	970	12.8	51.1	< 0.002	< 0.01	< 0.05	18.7	< 1	0.3	256	< 0.05	< 0.05	9.5	0.103	0.32	2.2	37	< 0.1	20.9
404130	< 0.05	1.91	< 0.1	70.4	1020	11.5	51.4	< 0.002	< 0.01	< 0.05	22.6	< 1	0.3	309	< 0.05	< 0.05	9.0	0.110	0.31	1.9	52	< 0.1	21.6
404131	< 0.05	2.13	< 0.1	56.4	850	12.9	51.1	< 0.002	< 0.01	< 0.05	16.2	< 1	0.2	283	< 0.05	< 0.05	8.4	0.123	0.35	1.9	48	< 0.1	19.7
404132	< 0.05	2.05	< 0.1	67.7	690	11.9	45.7	< 0.002	< 0.01	< 0.05	22.9	< 1	0.2	266	< 0.05	< 0.05	7.9	0.138	0.29	1.8	57	< 0.1	22.6
404133	< 0.05	2.09	< 0.1	74.2	810	13.7	42.4	< 0.002	< 0.01	< 0.05	18.0	< 1	0.2	289	< 0.05	< 0.05	8.0	0.159	0.27	1.7	50	< 0.1	19.3
404134	< 0.05	2.15	< 0.1	51.1	730	11.4	40.9	< 0.002	< 0.01	< 0.05	19.3	< 1	0.3	307	< 0.05	< 0.05	7.9	0.239	0.26	1.7	64	< 0.1	22.0
404135	0.08	2.11	1.5	67.2	890	13.4	31.9	< 0.002	< 0.01	< 0.05	14.6	< 1	0.5	247	< 0.05	< 0.05	6.6	0.273	0.31	2.9	71	< 0.1	15.5
404136	< 0.05	2.14	< 0.1	64.3	690	12.4	51.0	< 0.002	< 0.01	< 0.05	18.9	< 1	0.3	272	< 0.05	< 0.05	8.4	0.224	0.33	1.9	67	< 0.1	21.6
404137	< 0.05	2.19	< 0.1	53.1	770	12.4	49.9	< 0.002	< 0.01	< 0.05	17.1	< 1	0.2	298	< 0.05	< 0.05	8.9	0.182	0.31	1.9	48	< 0.1	21.7
404138	< 0.05	2.04	0.1	61.0	800	16.1	77.1	< 0.002	< 0.01	< 0.05	14.9	< 1	0.3	278	< 0.05	< 0.05	10.9	0.134	0.48	2.1	49	< 0.1	20.5
404139	< 0.05	2.33	< 0.1	47.8	860	13.5	56.6	< 0.002	< 0.01	< 0.05	16.7	< 1	0.3	329	< 0.05	< 0.05	9.3	0.114	0.35	2.2	33	< 0.1	23.4
404140	0.11	2.61	< 0.1	21.3	170	7.7	45.4	< 0.002	< 0.01	< 0.05	5.5	< 1	0.4	382	< 0.05	< 0.05	1.1	0.109	0.27	0.4	23	< 0.1	6.6
404141	< 0.05	2.22	0.2	54.5	970	13.6	51.1	< 0.002	< 0.01	< 0.05	17.0	< 1	0.6	265	< 0.05	< 0.05	9.5	0.173	0.31	2.3	43	< 0.1	23.0
404142	0.05	2.06	0.3	74.1	1130	14.0	50.9	< 0.002	< 0.01	< 0.05	15.5	< 1	0.6	263	< 0.05	< 0.05	9.2	0.214	0.32	2.1	52	< 0.1	18.5
404143	< 0.05	2.38	0.1	36.0	830	40.8	54.0	< 0.002	< 0.01	< 0.05	13.5	< 1	0.6	268	< 0.05	< 0.05	11.4	0.186	0.31	2.4	39	< 0.1	21.2
404144	< 0.05	2.21	0.2	61.1	1030	14.5	51.9	< 0.002	< 0.01	< 0.05	15.1	< 1	0.4	299	< 0.05	< 0.05	10.6	0.138	0.33	2.7	38	< 0.1	20.3
404145	< 0.05	2.00	0.1	159	810	13.8	59.8	< 0.002	0.01	< 0.05	19.2	< 1	0.3	264	< 0.05	< 0.05	9.4	0.128	0.37	1.9	49	< 0.1	20.4
404146	0.35	1.48	6.2	362	690	9.8	39.7	< 0.002	< 0.01	0.39	24.0	< 1	1.5	232	0.17	0.11	5.9	0.387	0.32	1.1	128	0.4	19.7
404147	0.06	1.94	< 0.1	277	830	12.6	49.1	< 0.002	0.01	< 0.05	16.7	< 1	0.3	318	< 0.05	< 0.05	8.5	0.150	0.32	1.6	56	< 0.1	19.5
404148	< 0.05	2.07	< 0.1	102	860	13.5	47.2	< 0.002	< 0.01	< 0.05	16.8	< 1	0.3	292	< 0.05	< 0.05	9.3	0.186	0.30	3.6	55	< 0.1	21.3
404149	< 0.05	1.86	< 0.1	187	660	12.2	50.9	< 0.002	0.01	< 0.05	19.1	< 1	0.3	244	< 0.05	< 0.05	8.7	0.108	0.32	1.7	37	< 0.1	19.7
404150	< 0.05	2.09	0.2	35.0	1130	13.4	54.2	< 0.002	0.01	< 0.05	14.9	< 1	0.4	294	< 0.05	< 0.05	9.8	0.151	0.33	2.0	48	< 0.1	21.3
404151	< 0.05	2.22	0.2	47.2	910	13.3	46.6	< 0.002	< 0.01	< 0.05	16.9	< 1	0.5	299	< 0.05	< 0.05	9.0	0.189	0.31	1.8	45	< 0.1	23.4
404152	0.08	1.98	0.7	107	1470	15.5	60.9	< 0.002	0.01	< 0.05	17.5	< 1	0.7	255	< 0.05	< 0.05	10.2	0.279	0.38	2.2	70	< 0.1	20.1
404153	0.07	2.15	0.4	50.1	1010	15.4	58.4	< 0.002	< 0.01	< 0.05	14.7	< 1	0.7	278	< 0.05	< 0.05	11.2	0.236	0.41	2.3	54	< 0.1	17.4
404154	< 0.05	2.30	0.2	38.7	980	14.2	50.8	< 0.002	< 0.01	< 0.05	14.8	< 1	0.4	308	< 0.05	< 0.05	8.8	0.153	0.32	2.0	40	< 0.1	19.5
404155	< 0.05	2.11	0.2	54.7	860	12.6	47.9	< 0.002	< 0.01	0.05	20.8	< 1	0.5	266	< 0.05	< 0.05	7.9	0.166	0.30	2.0	51	< 0.1	22.0
404156	0.07	2.16	0.3	55.2	900	11.7	33.7	< 0.002	< 0.01	< 0.05	15.6	< 1	0.4	260	< 0.05	< 0.05	5.7	0.252	0.29	1.3	68	< 0.1	17.3
404157	< 0.05	2.11	< 0.1	50.4	720	12.8	51.9	< 0.002	< 0.01	< 0.05	16.8	< 1	0.2	295	< 0.05	< 0.05	8.7	0.164	0.32	1.7	52	< 0.1	19.8
404158	< 0.05	2.19	< 0.1	49.2	860	13.0	55.4	< 0.002	< 0.01	< 0.05	16.0	< 1	0.3	303	< 0.05	< 0.05	9.9	0.182	0.33	1.9	52	< 0.1	20.9
404159	< 0.05	1.94	< 0.1	70.4	760	10.7	41.8	< 0.002	< 0.01	< 0.05	25.2	< 1	2.7	232	< 0.05	< 0.05	5.8	0.102	0.27	1.7	51	< 0.1	22.4
404160	0.09	2.51	0.3	18.2	220	7.6	44.8	< 0.002	< 0.01	< 0.05	5.7	< 1	0.6	368	< 0.05	< 0.05	1.3	0.154	0.27	0.3	38	< 0.1	5.9
404161	< 0.05	2.00	< 0.1	86.8	720	10.9	33.1	< 0.002	< 0.01	< 0.05	27.2	< 1	0.3	245	< 0.05	0.05	5.3	0.127	0.21	1.5	46	< 0.1	23.0
404162	< 0.05	2.10	0.3	59.2	870	12.7	44.9	< 0.002	< 0.01	< 0.05	19.6	< 1	0.3	282	< 0.05	< 0.05	8.7	0.149	0.29	1.8	45	< 0.1	21.6
404163	0.06	2.15	0.3	59.3	960	16.3	48.9	< 0.002	< 0.01	< 0.05	17.5	< 1	0.4	275	< 0.05	< 0.05	8.4	0.167	0.31	2.0	50	< 0.1	19.8
404164	< 0.05	2.05	0.1	66.7	940	15.0	47.5	< 0.002	0.01	< 0.05	16.3	< 1	0.4	252	< 0.05	< 0.05	8.8	0.139	0.29	1.9	41	< 0.1	17.9
404165	< 0.05	2.03	0.4	70.0	850	12.5	44.3	< 0.002	< 0.01	< 0.05	23.5	< 1	0.5	241	< 0.05	< 0.05	8.2	0.160	0.28	1.9	51	0.2	23.7
404166	< 0.05	2.09	< 0.1	104	750	13.7	54.2	< 0.002	< 0.01	< 0.05	15.9	< 1	0.4	288	< 0.05	< 0.05	9.7	0.170	0.33	1.7	53	< 0.1	18.1
404167	< 0.05	2.06	< 0.1	243	750	11.0	47.7	< 0.002	< 0.01	< 0.05	25.4	< 1	0.4	258	< 0.05	< 0.05	6.9	0.122	0.29	1.3	57	< 0.1	20.7
404168	< 0.05	1.75	< 0.1	294	680	9.7	43.6	< 0.002	< 0.01	< 0.05	27.0	< 1	0.4	287	< 0.05	< 0.05	8.1	0.135	0.26	1.3	62	< 0.1	19.3

Analyte Symbol	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y
Unit Symbol	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.05	0.01	0.1	0.2	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1	1	0.1	0.1
Method Code	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-ICP	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-MS	TD-MS
404169	< 0.05	2.05	< 0.1	88.9	900	11.7	40.0	< 0.002	< 0.01	< 0.05	17.4	< 1	0.3	290	< 0.05	< 0.05	8.4	0.107	0.25	1.6	35	< 0.1	19.8
404170	< 0.05	1.95	< 0.1	144	740	15.2	46.6	< 0.002	< 0.01	< 0.05	19.2	< 1	0.3	289	< 0.05	< 0.05	8.2	0.129	0.29	4.6	50	< 0.1	19.3
404171	< 0.05	1.70	0.1	148	730	7.2	30.4	< 0.002	< 0.01	< 0.05	11.8	< 1	0.2	155	< 0.05	< 0.05	4.8	0.222	0.20	1.0	73	< 0.1	11.6
404172	< 0.05	2.08	< 0.1	74.5	990	15.4	58.2	< 0.002	< 0.01	< 0.05	16.6	< 1	0.3	246	< 0.05	< 0.05	11.6	0.111	0.38	2.4	40	< 0.1	21.6
404173	< 0.05	2.13	0.1	122	920	13.5	46.5	< 0.002	< 0.01	< 0.05	17.1	< 1	0.4	260	< 0.05	< 0.05	7.9	0.156	0.29	1.8	43	< 0.1	19.7
404174	0.08	2.15	0.4	56.0	970	14.5	58.1	< 0.002	0.01	< 0.05	15.5	< 1	0.4	262	< 0.05	< 0.05	9.5	0.254	0.34	2.2	63	< 0.1	17.6
404175	< 0.05	1.72	< 0.1	96.7	660	17.5	81.6	< 0.002	< 0.01	< 0.05	19.1	< 1	0.2	241	< 0.05	< 0.05	9.6	0.179	0.48	1.6	83	< 0.1	17.1
404176	< 0.05	1.82	< 0.1	84.5	910	14.9	67.0	< 0.002	< 0.01	< 0.05	19.2	< 1	0.3	283	< 0.05	< 0.05	9.0	0.149	0.42	1.6	69	< 0.1	18.8
404177	< 0.05	2.00	< 0.1	71.9	790	12.9	49.3	< 0.002	< 0.01	< 0.05	18.9	< 1	< 0.2	277	< 0.05	< 0.05	7.9	0.089	0.31	1.7	40	< 0.1	18.5
404178	< 0.05	2.05	0.1	127	950	15.7	64.8	< 0.002	< 0.01	< 0.05	17.2	< 1	0.3	255	< 0.05	< 0.05	12.6	0.124	0.41	3.4	44	< 0.1	20.8
404179	< 0.05	2.06	< 0.1	97.1	640	12.1	47.2	< 0.002	0.01	< 0.05	19.8	< 1	0.3	234	< 0.05	< 0.05	6.9	0.111	0.30	1.8	39	< 0.1	18.2
404180	< 0.05	1.99	0.2	107	650	12.7	52.3	< 0.002	0.01	< 0.05	21.2	< 1	0.4	236	< 0.05	< 0.05	7.3	0.143	0.33	1.5	46	< 0.1	18.7
404181	0.06	2.03	0.3	113	880	12.1	48.9	< 0.002	< 0.01	0.07	18.4	< 1	0.5	265	< 0.05	< 0.05	7.4	0.190	0.33	1.7	53	< 0.1	19.4
404182	0.07	2.05	0.6	59.2	950	11.7	50.4	< 0.002	< 0.01	0.11	19.4	< 1	0.6	269	< 0.05	< 0.05	8.1	0.220	0.30	2.1	59	< 0.1	23.1
404183	< 0.05	2.05	0.1	59.2	780	10.5	40.0	< 0.002	< 0.01	< 0.05	23.6	< 1	0.5	265	< 0.05	< 0.05	7.3	0.183	0.24	1.7	51	< 0.1	22.5
404184	0.07	1.87	0.4	90.2	900	19.8	46.8	< 0.002	0.02	< 0.05	15.3	< 1	0.4	238	< 0.05	< 0.05	10.7	0.246	0.39	2.0	67	< 0.1	17.6
404185	< 0.05	2.07	< 0.1	80.2	720	10.5	38.3	< 0.002	< 0.01	< 0.05	20.9	< 1	0.3	294	< 0.05	< 0.05	7.1	0.215	0.23	1.5	68	< 0.1	21.8
404186	< 0.05	2.00	0.2	68.6	910	12.8	49.2	< 0.002	< 0.01	< 0.05	20.4	< 1	< 0.2	266	< 0.05	< 0.05	8.8	0.130	0.30	1.9	51	< 0.1	22.0
404187	< 0.05	2.27	0.1	52.8	840	12.5	38.9	< 0.002	< 0.01	< 0.05	22.1	< 1	0.3	322	< 0.05	< 0.05	8.7	0.108	0.24	1.9	38	< 0.1	23.6
404188	< 0.05	2.23	0.1	59.8	790	10.4	35.1	< 0.002	< 0.01	< 0.05	23.8	< 1	0.3	262	< 0.05	< 0.05	6.1	0.123	0.22	1.4	46	< 0.1	21.3
404189	< 0.05	2.19	0.1	52.4	760	10.1	35.9	< 0.002	< 0.01	< 0.05	21.2	< 1	0.4	277	< 0.05	< 0.05	6.9	0.142	0.22	1.4	45	< 0.1	20.4
404190	0.06	2.27	0.4	50.6	840	10.3	38.1	< 0.002	< 0.01	0.18	22.7	< 1	0.7	290	< 0.05	< 0.05	7.7	0.197	0.22	1.8	49	< 0.1	24.0
404191	< 0.05	2.24	0.4	57.4	950	8.8	32.0	< 0.002	< 0.01	0.09	26.3	< 1	0.6	284	< 0.05	< 0.05	7.6	0.219	0.19	1.6	58	< 0.1	26.3
404192	0.08	2.28	0.5	59.4	1020	13.2	50.8	< 0.002	< 0.01	< 0.05	19.2	< 1	0.7	300	< 0.05	< 0.05	9.1	0.205	0.30	1.9	53	< 0.1	22.7
404193	< 0.05	2.25	0.5	58.6	980	15.2	53.3	< 0.002	< 0.01	< 0.05	18.5	< 1	0.7	284	< 0.05	< 0.05	9.0	0.217	0.33	2.1	55	< 0.1	24.3
404194	0.16	1.94	1.8	101	840	14.7	54.5	< 0.002	0.01	0.16	20.7	< 1	0.9	259	< 0.05	< 0.05	8.3	0.294	0.31	1.6	78	< 0.1	26.6
404195	0.06	2.20	0.2	159	970	11.7	43.5	< 0.002	< 0.01	< 0.05	18.8	< 1	0.5	300	< 0.05	< 0.05	8.3	0.326	0.26	1.6	81	< 0.1	20.7
404196	< 0.05	2.28	0.1	52.6	1040	13.4	53.5	< 0.002	< 0.01	< 0.05	15.6	< 1	0.4	293	< 0.05	< 0.05	8.7	0.206	0.33	1.9	54	< 0.1	21.3
404197	< 0.05	1.94	< 0.1	84.4	620	8.0	32.8	< 0.002	< 0.01	< 0.05	30.2	< 1	< 0.2	229	< 0.05	< 0.05	4.9	0.096	0.20	1.3	55	< 0.1	23.0
404198	< 0.05	2.20	< 0.1	57.7	770	11.1	40.2	< 0.002	< 0.01	< 0.05	23.6	< 1	< 0.2	279	< 0.05	< 0.05	6.9	0.087	0.24	1.5	42	< 0.1	21.6
404199	< 0.05	2.30	0.2	56.2	1100	13.1	51.9	< 0.002	< 0.01	< 0.05	18.6	< 1	0.4	284	< 0.05	< 0.05	9.5	0.121	0.32	2.1	41	< 0.1	22.0
404200	< 0.05	2.65	< 0.1	21.3	250	7.8	43.2	< 0.002	< 0.01	< 0.05	7.0	< 1	0.3	397	< 0.05	< 0.05	2.1	0.065	0.25	0.4	13	< 0.1	7.7
404201	0.11	2.12	1.2	62.6	980	14.9	69.9	< 0.002	< 0.01	< 0.05	16.4	< 1	0.9	256	< 0.05	< 0.05	10.3	0.341	0.42	2.0	86	< 0.1	21.0
404202	0.09	2.26	1.0	54.7	990	12.8	51.6	< 0.002	< 0.01	< 0.05	16.3	< 1	0.6	266	< 0.05	< 0.05	8.0	0.252	0.31	1.6	61	< 0.1	18.6
404203	0.07	2.15	0.8	66.3	1070	11.6	50.4	< 0.002	< 0.01	< 0.05	20.2	< 1	0.6	238	< 0.05	< 0.05	7.7	0.217	0.31	1.6	59	< 0.1	21.8
404204	< 0.05	2.10	< 0.1	74.6	1080	14.3	60.2	< 0.002	< 0.01	< 0.05	18.3	< 1	0.3	236	< 0.05	< 0.05	10.3	0.116	0.37	2.1	44	< 0.1	22.7
404205	< 0.05	2.10	< 0.1	63.2	800	12.0	52.4	< 0.002	< 0.01	< 0.05	20.0	< 1	0.2	252	< 0.05	< 0.05	7.5	0.091	0.32	1.4	37	< 0.1	20.0
404206	< 0.05	2.22	0.4	77.3	1050	12.5	54.8	< 0.002	< 0.01	< 0.05	19.5	< 1	0.5	252	< 0.05	< 0.05	9.1	0.156	0.32	2.0	45	< 0.1	22.9
404207	0.07	2.29	0.9	63.9	1080	14.1	61.2	< 0.002	< 0.01	< 0.05	16.1	< 1	0.7	261	< 0.05	< 0.05	10.4	0.225	0.37	2.0	50	< 0.1	20.5
404208	0.18	2.11	5.4	92.7	1200	16.1	70.3	< 0.002	0.01	< 0.05	19.1	< 1	0.9	248	< 0.05	< 0.05	11.0	0.386	0.42	2.5	88	< 0.1	23.4
404209	0.09	2.33	1.0	51.0	1000	13.7	55.4	< 0.002	< 0.01	< 0.05	16.4	< 1	0.8	255	< 0.05	< 0.05	9.8	0.223	0.34	2.2	51	< 0.1	20.8
404210	< 0.05	2.32	< 0.1	52.8	950	10.3	34.5	< 0.002	< 0.01	< 0.05	25.9	< 1	0.3	314	< 0.05	< 0.05	8.2	0.130	0.21	1.8	44	< 0.1	27.3

Analyte Symbol	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y
Unit Symbol	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.05	0.01	0.1	0.2	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1	1	0.1	0.1
Method Code	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-ICP	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-MS	TD-MS
404211	< 0.05	2.16	< 0.1	89.3	1020	15.4	58.2	< 0.002	0.02	< 0.05	18.6	< 1	0.3	245	< 0.05	< 0.05	10.4	0.119	0.36	2.2	46	< 0.1	21.6
404212	0.07	2.08	0.2	85.1	1280	14.5	62.9	< 0.002	0.02	< 0.05	18.8	< 1	0.5	229	< 0.05	< 0.05	12.7	0.312	0.40	3.1	86	< 0.1	24.0
404213	< 0.05	2.38	0.2	60.6	1280	16.1	67.1	< 0.002	< 0.01	< 0.05	16.9	< 1	0.4	289	< 0.05	< 0.05	12.0	0.222	0.41	2.7	63	< 0.1	23.7
404214	< 0.05	1.97	< 0.1	83.9	820	16.6	82.2	< 0.002	< 0.01	< 0.05	21.6	< 1	0.2	232	< 0.05	< 0.05	11.6	0.141	0.50	1.9	73	< 0.1	21.0
404215	< 0.05	2.00	< 0.1	68.2	820	14.2	63.0	< 0.002	0.01	< 0.05	22.3	< 1	0.3	218	< 0.05	< 0.05	9.3	0.116	0.40	2.0	53	< 0.1	19.9
404216	< 0.05	2.40	0.3	54.5	1180	15.0	58.2	< 0.002	< 0.01	< 0.05	16.2	< 1	0.5	281	< 0.05	< 0.05	10.6	0.160	0.36	2.0	43	< 0.1	21.0
404217	0.15	2.27	3.5	83.2	1320	13.9	59.4	< 0.002	< 0.01	< 0.05	17.2	< 1	0.8	247	< 0.05	< 0.05	9.6	0.421	0.35	1.8	83	< 0.1	23.5
404218	0.25	2.35	8.5	79.9	1090	14.4	52.0	< 0.002	0.01	< 0.05	16.1	< 1	1.1	232	0.10	< 0.05	8.5	0.469	0.39	1.9	104	< 0.1	18.7
404219	0.27	2.38	10.3	57.2	1140	13.1	44.6	< 0.002	< 0.01	0.06	17.0	< 1	1.2	257	0.14	< 0.05	7.1	0.546	0.32	2.1	113	< 0.1	19.5
404220	3.44	2.59	19.9	9.3	280	32.9	126	< 0.002	0.07	1.94	4.7	2	4.5	152	1.41	0.12	12.9	0.143	0.78	4.4	13	3.2	14.4
404221	< 0.05	2.32	0.2	84.5	1110	13.6	58.8	< 0.002	< 0.01	< 0.05	17.5	< 1	0.5	251	< 0.05	< 0.05	9.7	0.201	0.37	2.0	54	< 0.1	22.0
404222	< 0.05	2.35	0.2	69.0	1200	12.7	54.0	< 0.002	0.01	< 0.05	17.0	< 1	0.5	244	< 0.05	< 0.05	9.6	0.217	0.33	2.6	56	< 0.1	21.5
404223	0.06	2.37	0.3	67.1	1010	12.5	51.1	< 0.002	< 0.01	< 0.05	16.4	< 1	0.4	256	< 0.05	< 0.05	8.3	0.273	0.30	1.9	65	< 0.1	19.6
404224	< 0.05	2.46	< 0.1	67.0	1060	12.8	48.2	< 0.002	< 0.01	< 0.05	17.8	< 1	0.3	275	< 0.05	< 0.05	9.9	0.178	0.30	2.8	56	< 0.1	22.3
404225	< 0.05	1.90	< 0.1	58.0	750	17.6	78.9	< 0.002	< 0.01	< 0.05	15.6	< 1	< 0.2	191	< 0.05	< 0.05	10.7	0.108	0.54	2.4	47	< 0.1	18.8
404226	< 0.05	1.99	< 0.1	70.3	740	13.3	59.7	< 0.002	0.01	< 0.05	18.5	< 1	0.2	193	< 0.05	< 0.05	11.3	0.098	0.40	2.3	41	< 0.1	20.4
404227	0.26	2.07	< 0.1	63.9	680	10.5	45.3	< 0.002	< 0.01	< 0.05	19.2	< 1	0.4	207	< 0.05	< 0.05	10.8	0.140	0.28	1.7	43	< 0.1	20.7
404228	0.15	2.01	0.2	61.9	770	14.8	68.9	< 0.002	0.01	< 0.05	17.2	< 1	0.9	211	< 0.05	< 0.05	9.3	0.231	0.44	2.2	63	< 0.1	19.7
404229	0.36	1.68	4.2	162	760	8.8	41.8	< 0.002	< 0.01	0.14	24.9	< 1	0.9	173	0.06	< 0.05	5.3	0.565	0.25	1.1	163	< 0.1	19.5
404230	0.36	2.07	3.5	42.0	930	13.0	54.2	< 0.002	< 0.01	0.05	13.8	< 1	1.0	194	< 0.05	< 0.05	8.1	0.484	0.36	2.4	100	< 0.1	17.9
404231	0.50	1.90	6.7	87.4	880	13.9	53.9	< 0.002	0.02	0.13	18.3	< 1	1.1	180	0.14	< 0.05	7.9	0.531	0.41	2.0	131	< 0.1	19.6
404232	0.17	2.04	1.0	74.4	950	13.4	58.3	< 0.002	< 0.01	< 0.05	19.7	< 1	0.6	176	< 0.05	< 0.05	8.8	0.308	0.36	1.7	77	< 0.1	24.9
404233	< 0.05	2.06	< 0.1	67.6	890	14.5	60.1	< 0.002	< 0.01	< 0.05	18.8	< 1	0.4	187	< 0.05	< 0.05	9.6	0.183	0.41	1.8	54	< 0.1	22.3
404234	0.08	1.94	1.1	105	790	9.8	37.6	< 0.002	< 0.01	< 0.05	21.7	< 1	0.3	193	< 0.05	< 0.05	6.0	0.285	0.27	1.6	90	< 0.1	20.0
404235	< 0.05	1.97	< 0.1	55.6	640	11.9	52.9	< 0.002	< 0.01	< 0.05	17.5	< 1	< 0.2	206	< 0.05	< 0.05	8.6	0.127	0.35	2.0	49	< 0.1	18.7
404236	< 0.05	1.97	0.1	59.3	790	13.4	59.9	< 0.002	< 0.01	< 0.05	18.8	< 1	< 0.2	179	< 0.05	< 0.05	9.2	0.142	0.40	1.6	57	< 0.1	22.1
404237	< 0.05	1.68	< 0.1	114	740	10.7	58.1	< 0.002	0.02	< 0.05	21.8	< 1	< 0.2	167	< 0.05	< 0.05	7.5	0.100	0.35	1.7	52	2.3	21.7
404238	< 0.05	1.80	< 0.1	138	670	9.1	42.3	< 0.002	< 0.01	< 0.05	23.6	< 1	< 0.2	173	< 0.05	< 0.05	6.0	0.122	0.26	1.3	57	< 0.1	21.8
404239	< 0.05	1.90	< 0.1	79.9	630	12.9	60.1	< 0.002	< 0.01	< 0.05	18.7	< 1	< 0.2	177	< 0.05	< 0.05	8.7	0.109	0.38	2.2	40	< 0.1	21.0
404240	< 0.05	1.73	< 0.1	92.6	750	13.7	60.6	< 0.002	< 0.01	< 0.05	17.4	< 1	0.6	166	< 0.05	< 0.05	8.7	0.142	0.43	2.4	48	< 0.1	19.9
404241	0.14	1.78	1.5	105	820	14.2	63.9	< 0.002	< 0.01	0.12	19.7	< 1	0.9	184	< 0.05	0.06	8.8	0.291	0.42	3.8	69	< 0.1	22.7
404242	0.08	1.82	< 0.1	68.5	730	14.0	62.5	< 0.002	< 0.01	< 0.05	17.1	< 1	0.4	187	< 0.05	< 0.05	8.8	0.153	0.43	2.5	47	< 0.1	19.4
404243	0.06	1.95	< 0.1	38.9	680	15.9	67.7	< 0.002	< 0.01	< 0.05	13.6	< 1	0.2	209	< 0.05	< 0.05	10.3	0.209	0.45	2.5	59	< 0.1	17.5
404244	0.05	1.81	< 0.1	67.9	920	15.9	69.1	< 0.002	0.02	< 0.05	17.1	< 1	< 0.2	195	< 0.05	< 0.05	10.4	0.115	0.46	3.4	52	< 0.1	20.4
404245	< 0.05	1.83	< 0.1	144	600	8.2	34.6	< 0.002	< 0.01	< 0.05	24.3	< 1	0.2	185	< 0.05	< 0.05	5.3	0.068	0.22	1.2	39	< 0.1	21.6
404246	< 0.05	1.87	< 0.1	82.5	660	11.4	47.0	< 0.002	< 0.01	< 0.05	20.5	< 1	0.2	188	< 0.05	< 0.05	7.3	0.096	0.31	1.7	39	< 0.1	20.8
404247	0.07	1.90	0.1	111	790	10.7	46.9	< 0.002	< 0.01	< 0.05	22.5	< 1	0.8	187	< 0.05	< 0.05	7.3	0.169	0.30	1.4	50	< 0.1	23.7
404248	0.15	1.81	< 0.1	51.7	750	17.3	66.4	< 0.002	< 0.01	< 0.05	14.7	< 1	0.8	171	< 0.05	< 0.05	9.8	0.188	0.48	2.2	55	< 0.1	18.8
404249	0.28	1.85	0.2	82.6	800	14.6	64.2	< 0.002	< 0.01	< 0.05	19.1	< 1	0.8	172	< 0.05	< 0.05	9.0	0.209	0.42	1.9	61	< 0.1	21.1
404250	< 0.05	1.98	< 0.1	74.1	890	13.0	57.3	< 0.002	< 0.01	< 0.05	20.0	< 1	0.4	183	< 0.05	< 0.05	8.7	0.143	0.36	1.7	48	< 0.1	23.7
404251	< 0.05	1.78	< 0.1	148	870	10.1	35.9	< 0.002	< 0.01	< 0.05	20.8	< 1	< 0.2	165	< 0.05	< 0.05	8.4	0.277	0.29	1.5	81	< 0.1	21.6
404252	< 0.05	1.66	< 0.1	127	750	10.7	46.5	< 0.002	0.01	< 0.05	20.3	< 1	< 0.2	150	< 0.05	< 0.05	7.3	0.117	0.31	1.8	51	< 0.1	21.1

Analyte Symbol	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y
Unit Symbol	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.05	0.01	0.1	0.2	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1	1	0.1	0.1
Method Code	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-ICP	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-MS	TD-MS
404253	< 0.05	1.96	< 0.1	104	700	9.3	38.1	< 0.002	< 0.01	< 0.05	20.7	< 1	< 0.2	181	< 0.05	< 0.05	6.4	0.134	0.25	1.7	44	< 0.1	23.0
404254	< 0.05	1.84	< 0.1	95.4	720	10.7	47.9	< 0.002	< 0.01	< 0.05	19.3	< 1	< 0.2	188	< 0.05	< 0.05	7.4	0.081	0.30	1.8	36	< 0.1	22.2
404255	< 0.05	2.03	< 0.1	92.2	850	10.3	41.8	< 0.002	< 0.01	< 0.05	20.4	< 1	0.3	196	< 0.05	< 0.05	6.9	0.114	0.25	1.6	41	< 0.1	24.1
404256	< 0.05	1.90	< 0.1	102	800	11.2	49.9	< 0.002	< 0.01	< 0.05	20.6	< 1	0.4	174	< 0.05	< 0.05	7.8	0.134	0.32	1.6	44	< 0.1	23.3
404257	< 0.05	1.82	0.1	109	660	11.3	52.1	< 0.002	< 0.01	< 0.05	22.0	< 1	0.7	170	< 0.05	< 0.05	8.3	0.157	0.34	1.8	48	< 0.1	24.3
404258	0.05	1.86	0.3	82.9	650	12.1	48.0	< 0.002	< 0.01	< 0.05	17.4	< 1	0.5	203	< 0.05	< 0.05	7.5	0.192	0.33	2.1	46	< 0.1	20.5
404259	< 0.05	1.90	0.2	80.2	620	12.0	50.1	< 0.002	0.01	< 0.05	16.2	< 1	0.5	180	< 0.05	< 0.05	7.3	0.176	0.34	1.8	48	< 0.1	17.0
404260	< 0.05	0.14	< 0.1	46.4	390	25.6	56.5	< 0.002	0.05	< 0.05	13.1	< 1	0.8	44.8	< 0.05	< 0.05	16.5	0.189	0.35	3.0	64	< 0.1	13.7
404261	0.43	1.79	9.1	143	870	9.9	39.5	0.003	< 0.01	0.08	20.0	< 1	0.9	171	0.26	< 0.05	6.2	0.566	0.30	1.4	131	< 0.1	20.9
404262	< 0.05	1.87	< 0.1	93.6	730	11.6	46.2	< 0.002	< 0.01	< 0.05	18.0	< 1	< 0.2	188	< 0.05	< 0.05	7.2	0.173	0.32	2.0	62	< 0.1	21.1
404263	< 0.05	1.84	< 0.1	133	720	11.1	50.6	< 0.002	< 0.01	< 0.05	20.9	< 1	< 0.2	183	< 0.05	< 0.05	7.6	0.185	0.32	13.5	57	< 0.1	24.1
404264	< 0.05	1.89	< 0.1	42.2	620	16.6	79.9	< 0.002	< 0.01	< 0.05	14.3	< 1	0.3	213	< 0.05	< 0.05	9.7	0.206	0.53	2.6	62	< 0.1	17.8
404265	< 0.05	1.81	< 0.1	58.5	680	17.1	74.9	< 0.002	< 0.01	< 0.05	14.7	< 1	0.3	187	< 0.05	< 0.05	10.0	0.251	0.51	2.8	69	< 0.1	18.7
404266	< 0.05	1.84	< 0.1	69.5	700	13.0	58.3	< 0.002	< 0.01	< 0.05	16.6	< 1	< 0.2	183	< 0.05	< 0.05	8.3	0.104	0.38	2.2	43	< 0.1	20.0
404267	< 0.05	1.84	< 0.1	117	730	10.4	47.4	< 0.002	< 0.01	< 0.05	18.8	< 1	0.2	171	< 0.05	< 0.05	6.7	0.136	0.31	1.7	52	< 0.1	21.5
404268	< 0.05	1.94	< 0.1	108	740	11.0	48.5	< 0.002	0.01	< 0.05	18.7	< 1	0.4	192	< 0.05	< 0.05	7.5	0.168	0.31	2.0	55	< 0.1	21.5
404269	0.08	1.85	0.1	124	790	10.8	46.5	< 0.002	< 0.01	< 0.05	19.6	< 1	0.4	176	< 0.05	< 0.05	6.8	0.255	0.29	1.8	70	< 0.1	22.7
404270	0.06	1.88	0.2	73.4	800	13.0	59.4	< 0.002	< 0.01	< 0.05	17.6	< 1	0.5	188	< 0.05	< 0.05	8.4	0.225	0.40	2.1	61	< 0.1	21.5
404271	0.12	1.74	< 0.1	142	750	12.2	54.0	< 0.002	< 0.01	< 0.05	20.8	< 1	0.4	169	< 0.05	< 0.05	8.1	0.222	0.37	1.9	68	< 0.1	23.2
404272	0.09	1.69	< 0.1	103	720	13.4	64.6	< 0.002	0.01	< 0.05	17.9	< 1	< 0.2	155	< 0.05	< 0.05	9.0	0.197	0.42	2.2	67	< 0.1	19.9
404273	< 0.05	1.81	< 0.1	69.3	640	13.5	65.3	< 0.002	< 0.01	< 0.05	16.7	< 1	< 0.2	173	< 0.05	< 0.05	8.8	0.197	0.41	2.4	57	< 0.1	19.9
404274	< 0.05	1.69	< 0.1	103	710	13.8	59.7	< 0.002	0.01	< 0.05	19.3	< 1	< 0.2	163	< 0.05	< 0.05	9.0	0.107	0.41	2.1	44	< 0.1	20.4
404275	< 0.05	1.79	< 0.1	38.2	570	13.8	64.5	< 0.002	0.01	< 0.05	14.5	< 1	0.2	180	< 0.05	< 0.05	9.7	0.136	0.45	2.7	42	< 0.1	17.7
404276	< 0.05	1.89	< 0.1	113	780	11.0	44.6	< 0.002	< 0.01	< 0.05	19.3	< 1	0.4	186	< 0.05	< 0.05	6.6	0.172	0.28	1.7	47	< 0.1	21.4
404277	< 0.05	1.87	< 0.1	109	660	9.5	41.9	< 0.002	< 0.01	< 0.05	20.9	< 1	0.4	188	< 0.05	< 0.05	6.5	0.155	0.26	1.4	47	< 0.1	22.7
404278	0.09	1.78	0.1	113	740	11.3	48.1	< 0.002	< 0.01	< 0.05	18.8	< 1	0.5	171	< 0.05	< 0.05	7.2	0.215	0.31	1.9	57	< 0.1	21.0
404279	< 0.05	1.80	< 0.1	60.3	650	14.2	60.3	< 0.002	0.02	< 0.05	15.5	< 1	0.3	183	< 0.05	< 0.05	8.8	0.165	0.43	2.1	48	< 0.1	17.8
404280	0.22	2.58	2.9	18.0	190	7.1	31.2	< 0.002	< 0.01	< 0.05	5.2	< 1	0.6	343	0.21	< 0.05	0.9	0.175	0.25	0.2	38	0.2	5.0
404281	0.07	1.86	0.1	88.9	710	13.6	64.5	< 0.002	< 0.01	< 0.05	16.7	< 1	0.2	185	< 0.05	< 0.05	8.9	0.287	0.42	2.2	76	< 0.1	20.2
404282	< 0.05	1.80	< 0.1	117	650	8.3	35.4	< 0.002	< 0.01	< 0.05	23.6	< 1	< 0.2	177	< 0.05	< 0.05	5.4	0.153	0.22	1.2	58	< 0.1	20.7
404283	< 0.05	1.69	< 0.1	110	570	9.6	44.1	< 0.002	0.02	< 0.05	21.6	< 1	< 0.2	156	< 0.05	< 0.05	6.4	0.116	0.31	2.2	45	< 0.1	19.3
404284	< 0.05	1.89	< 0.1	93.9	600	9.3	40.4	< 0.002	< 0.01	< 0.05	21.3	< 1	0.2	182	< 0.05	< 0.05	6.5	0.147	0.26	1.5	49	< 0.1	20.8
404285	< 0.05	1.78	< 0.1	122	720	11.3	51.3	< 0.002	< 0.01	< 0.05	19.5	< 1	0.3	165	< 0.05	< 0.05	7.5	0.167	0.33	1.6	56	< 0.1	21.1
404286	0.12	1.83	< 0.1	62.3	690	14.6	65.6	< 0.002	< 0.01	< 0.05	15.3	< 1	0.8	178	< 0.05	< 0.05	9.3	0.244	0.47	2.2	63	< 0.1	18.1
404287	0.23	1.76	1.8	128	860	12.4	54.1	< 0.002	< 0.01	0.06	19.0	< 1	0.8	163	< 0.05	< 0.05	8.0	0.382	0.35	1.9	86	< 0.1	21.6
404288	0.38	1.87	6.1	77.0	840	12.5	53.5	< 0.002	< 0.01	0.13	17.6	< 1	0.9	165	0.13	< 0.05	7.7	0.513	0.34	1.7	105	< 0.1	20.5
404289	0.11	1.89	0.2	117	820	11.4	47.9	< 0.002	< 0.01	< 0.05	19.0	< 1	0.6	165	< 0.05	< 0.05	7.6	0.247	0.31	1.6	62	< 0.1	22.1
404290	0.11	1.88	0.4	116	860	11.9	51.7	< 0.002	< 0.01	< 0.05	19.3	< 1	0.6	171	< 0.05	< 0.05	7.4	0.299	0.32	1.6	69	< 0.1	22.3
404291	0.14	1.99	1.7	101	890	12.2	39.1	< 0.002	< 0.01	< 0.05	17.4	< 1	0.7	184	< 0.05	< 0.05	6.5	0.375	0.34	1.3	81	< 0.1	19.9
404292	< 0.05	1.97	< 0.1	128	790	11.3	46.7	< 0.002	< 0.01	< 0.05	19.7	< 1	0.2	170	< 0.05	< 0.05	7.3	0.220	0.29	1.5	66	< 0.1	22.6
404293	< 0.05	1.95	< 0.1	123	830	11.6	49.5	< 0.002	< 0.01	< 0.05	19.1	< 1	0.2	169	< 0.05	< 0.05	7.8	0.140	0.31	1.9	49	< 0.1	23.0
404294	< 0.05	2.04	< 0.1	91.6	710	11.4	50.7	< 0.002	< 0.01	< 0.05	17.4	< 1	< 0.2	190	< 0.05	< 0.05	7.5	0.136	0.31	1.7	39	< 0.1	21.1

Analyte Symbol	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y
Unit Symbol	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.05	0.01	0.1	0.2	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1	1	0.1	0.1
Method Code	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-ICP	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-MS	TD-MS
404295	< 0.05	1.88	< 0.1	115	760	11.8	52.7	< 0.002	< 0.01	< 0.05	19.2	< 1	0.2	171	< 0.05	< 0.05	7.9	0.124	0.33	1.7	43	< 0.1	22.6
404296	< 0.05	2.09	< 0.1	90.9	830	11.9	52.9	< 0.002	< 0.01	< 0.05	18.6	< 1	0.4	195	< 0.05	< 0.05	8.0	0.152	0.33	2.4	44	< 0.1	21.3
404297	0.09	1.95	0.4	107	720	11.8	54.1	< 0.002	< 0.01	< 0.05	19.9	< 1	0.6	167	< 0.05	< 0.05	8.2	0.248	0.34	1.7	60	< 0.1	23.0
404298	0.21	1.89	1.8	126	880	11.1	40.0	< 0.002	< 0.01	< 0.05	18.7	< 1	0.9	164	< 0.05	< 0.05	7.6	0.414	0.30	1.6	82	< 0.1	23.4
404299	0.25	1.84	3.4	71.3	820	12.8	57.2	< 0.002	0.01	0.08	18.0	< 1	1.0	167	< 0.05	< 0.05	8.6	0.401	0.36	1.8	87	< 0.1	21.4
404300	0.10	1.89	0.2	75.8	820	13.0	57.1	< 0.002	< 0.01	< 0.05	18.3	< 1	0.6	177	< 0.05	< 0.05	8.7	0.222	0.37	1.8	57	< 0.1	21.9
404301	0.20	1.95	1.1	54.2	730	15.1	68.4	< 0.002	< 0.01	< 0.05	15.4	< 1	0.7	192	< 0.05	< 0.05	9.7	0.303	0.42	2.3	74	< 0.1	19.1
404302	0.21	1.92	2.0	87.5	840	12.4	34.3	< 0.002	< 0.01	< 0.05	15.1	< 1	0.6	168	< 0.05	< 0.05	6.0	0.387	0.34	1.3	87	< 0.1	17.0
404303	< 0.05	1.84	< 0.1	114	730	13.3	59.6	< 0.002	< 0.01	< 0.05	17.9	< 1	0.2	166	< 0.05	< 0.05	8.4	0.180	0.40	2.1	59	< 0.1	21.9
404304	< 0.05	2.17	< 0.1	68.3	770	16.1	69.1	< 0.002	< 0.01	< 0.05	15.0	< 1	0.2	223	< 0.05	< 0.05	13.6	0.112	0.44	2.1	38	< 0.1	18.5
404305	0.05	1.92	< 0.1	126	830	12.0	53.4	< 0.002	0.02	< 0.05	19.6	< 1	0.3	169	< 0.05	< 0.05	8.1	0.127	0.33	2.5	49	< 0.1	24.2
404306	0.05	2.03	< 0.1	86.3	800	13.2	50.3	< 0.002	< 0.01	< 0.05	18.0	< 1	0.3	187	< 0.05	< 0.05	7.5	0.144	0.31	1.7	42	< 0.1	22.0
404307	0.11	2.09	0.1	94.5	850	10.0	41.2	< 0.002	< 0.01	< 0.05	19.8	< 1	0.7	203	< 0.05	< 0.05	6.1	0.267	0.25	1.5	60	< 0.1	22.7
404308	0.12	1.84	0.2	122	770	10.3	49.3	< 0.002	0.01	< 0.05	19.3	< 1	0.9	154	< 0.05	< 0.05	7.4	0.308	0.31	1.7	71	< 0.1	23.1
404309	< 0.05	1.90	< 0.1	116	760	10.0	46.5	< 0.002	< 0.01	< 0.05	19.9	< 1	0.7	157	< 0.05	0.15	7.3	0.169	0.29	1.6	55	< 0.1	23.7
404310	< 0.05	2.06	< 0.1	111	830	9.7	41.6	< 0.002	< 0.01	< 0.05	19.1	< 1	0.4	181	< 0.05	0.07	6.5	0.158	0.25	1.5	46	< 0.1	23.5
404311	< 0.05	1.98	< 0.1	133	750	11.4	49.2	< 0.002	< 0.01	< 0.05	19.8	< 1	< 0.2	178	< 0.05	< 0.05	7.5	0.159	0.31	1.8	50	< 0.1	23.2
404312	< 0.05	1.96	< 0.1	113	730	10.3	45.8	< 0.002	< 0.01	< 0.05	19.6	< 1	0.3	180	< 0.05	< 0.05	7.0	0.112	0.29	1.5	36	< 0.1	23.1
404313	< 0.05	1.99	< 0.1	117	740	11.0	50.6	< 0.002	< 0.01	< 0.05	18.8	< 1	0.2	174	< 0.05	< 0.05	7.6	0.123	0.31	1.7	42	< 0.1	22.4
404314	< 0.05	1.86	< 0.1	128	810	10.2	45.6	< 0.002	< 0.01	< 0.05	19.4	< 1	0.3	160	< 0.05	< 0.05	6.9	0.122	0.30	1.4	43	< 0.1	23.1
404315	< 0.05	1.87	< 0.1	131	810	10.9	49.8	< 0.002	< 0.01	< 0.05	19.7	< 1	0.4	160	< 0.05	< 0.05	7.3	0.166	0.32	1.5	53	< 0.1	22.6
404316	0.05	1.84	< 0.1	141	780	10.2	44.9	< 0.002	< 0.01	< 0.05	20.3	< 1	0.6	156	< 0.05	< 0.05	7.1	0.178	0.28	1.5	56	< 0.1	24.5
404317	< 0.05	1.95	< 0.1	123	800	9.9	43.0	< 0.002	< 0.01	< 0.05	20.6	< 1	0.4	162	< 0.05	< 0.05	6.8	0.167	0.29	1.4	53	< 0.1	24.7
404318	0.05	1.92	< 0.1	143	790	9.8	42.1	< 0.002	0.01	< 0.05	21.2	< 1	0.7	167	< 0.05	< 0.05	6.9	0.177	0.28	3.9	60	< 0.1	25.0
404319	< 0.05	1.80	< 0.1	123	760	8.9	45.3	< 0.002	< 0.01	< 0.05	19.8	< 1	0.5	141	< 0.05	< 0.05	6.7	0.162	0.28	1.5	51	< 0.1	22.7
404320	0.81	0.09	4.2	222	370	21.0	26.6	< 0.002	0.05	< 0.05	43.9	1	0.7	27.2	0.19	0.12	10.6	0.668	0.26	2.6	206	< 0.1	8.1
404321	< 0.05	1.96	< 0.1	124	800	11.0	38.4	< 0.002	< 0.01	< 0.05	20.1	< 1	< 0.2	163	< 0.05	< 0.05	6.3	0.183	0.24	1.4	56	< 0.1	24.3
404322	< 0.05	2.06	< 0.1	111	830	9.9	45.3	0.034	< 0.01	< 0.05	18.6	< 1	0.2	175	< 0.05	0.05	9.1	0.108	0.28	1.4	41	< 0.1	22.6
404323	< 0.05	2.05	< 0.1	116	880	12.1	56.0	< 0.002	0.01	< 0.05	18.1	< 1	0.3	191	< 0.05	< 0.05	8.1	0.146	0.35	1.6	46	< 0.1	21.6
404324	0.05	1.93	0.1	143	920	8.5	37.5	< 0.002	< 0.01	< 0.05	20.7	< 1	1.0	149	< 0.05	< 0.05	6.2	0.258	0.23	1.3	60	< 0.1	25.7
404325	0.09	2.00	0.1	112	810	12.3	60.0	< 0.002	0.02	< 0.05	17.6	< 1	0.5	189	< 0.05	< 0.05	8.2	0.220	0.37	2.1	56	< 0.1	21.3
404326	0.18	1.94	0.3	122	890	11.4	46.6	< 0.002	0.02	< 0.05	19.2	< 1	1.2	167	< 0.05	< 0.05	7.2	0.346	0.28	1.8	74	< 0.1	23.3
404327	0.21	2.02	1.2	91.3	880	14.2	62.0	< 0.002	0.01	< 0.05	16.4	< 1	0.8	192	< 0.05	< 0.05	10.1	0.327	0.40	2.2	74	< 0.1	20.5
404328	< 0.05	1.99	< 0.1	108	830	10.8	46.4	< 0.002	0.01	< 0.05	19.8	< 1	0.4	167	< 0.05	< 0.05	7.3	0.176	0.29	1.5	52	< 0.1	23.9
404329	0.10	1.97	0.3	116	890	11.2	50.3	< 0.002	0.01	< 0.05	18.7	< 1	0.5	155	< 0.05	< 0.05	7.8	0.246	0.32	2.0	66	< 0.1	22.5
404330	0.16	2.06	2.9	93.1	920	9.6	30.1	< 0.002	0.01	< 0.05	17.1	< 1	0.6	154	< 0.05	< 0.05	5.4	0.433	0.24	1.2	96	< 0.1	19.7
404331	< 0.05	2.04	< 0.1	85.5	830	11.5	46.1	< 0.002	< 0.01	< 0.05	17.4	< 1	0.2	175	< 0.05	< 0.05	7.4	0.214	0.29	1.7	62	< 0.1	21.9
404332	< 0.05	2.08	< 0.1	90.5	830	12.5	53.0	< 0.002	< 0.01	< 0.05	18.6	< 1	< 0.2	173	< 0.05	< 0.05	8.2	0.198	0.33	1.7	58	< 0.1	22.3
404333	< 0.05	2.15	< 0.1	95.7	860	10.3	44.0	< 0.002	< 0.01	< 0.05	19.7	< 1	< 0.2	175	< 0.05	< 0.05	6.9	0.129	0.26	1.5	44	< 0.1	22.6
404334	< 0.05	1.86	< 0.1	125	700	10.3	48.4	< 0.002	< 0.01	< 0.05	19.5	< 1	0.2	156	< 0.05	< 0.05	7.5	0.149	0.30	1.6	53	< 0.1	21.6
404335	< 0.05	2.07	< 0.1	80.2	760	11.0	46.4	< 0.002	< 0.01	< 0.05	18.5	< 1	0.3	199	< 0.05	< 0.05	7.4	0.142	0.28	1.9	41	< 0.1	20.7
404336	0.14	1.94	0.4	121	870	11.4	52.6	< 0.002	0.01	< 0.05	20.6	< 1	0.5	165	< 0.05	< 0.05	8.3	0.305	0.33	1.9	72	< 0.1	22.9

Analyte Symbol	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y
Unit Symbol	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.05	0.01	0.1	0.2	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1	1	0.1	0.1
Method Code	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-ICP	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-MS	TD-MS
404337	0.18	1.93	1.9	112	910	11.6	52.3	< 0.002	0.01	0.09	19.5	< 1	0.9	158	< 0.05	< 0.05	8.2	0.411	0.33	1.7	86	< 0.1	21.8
404338	0.24	1.98	3.4	103	900	11.7	54.1	< 0.002	0.01	0.10	18.8	< 1	1.1	168	< 0.05	< 0.05	8.1	0.492	0.34	1.6	100	< 0.1	21.7
404339	0.08	1.89	0.1	120	820	11.2	51.7	< 0.002	< 0.01	0.05	18.9	< 1	1.0	153	< 0.05	< 0.05	8.1	0.243	0.33	1.8	66	< 0.1	22.3
404340	< 0.05	2.69	< 0.1	16.9	210	7.3	37.8	< 0.002	< 0.01	< 0.05	5.0	< 1	0.4	335	< 0.05	< 0.05	1.2	0.139	0.23	0.4	26	< 0.1	6.3
404341	0.33	1.89	< 0.1	129	850	10.9	42.0	< 0.002	0.01	< 0.05	18.5	< 1	0.9	153	< 0.05	< 0.05	7.0	0.502	0.33	1.7	109	< 0.1	20.7
404342	0.06	1.89	< 0.1	140	850	11.6	52.7	< 0.002	< 0.01	< 0.05	20.1	< 1	0.2	160	< 0.05	< 0.05	7.7	0.152	0.34	1.6	58	< 0.1	22.6
404343	< 0.05	1.96	< 0.1	118	800	11.8	52.3	< 0.002	< 0.01	< 0.05	18.9	< 1	0.2	184	< 0.05	< 0.05	7.8	0.097	0.33	1.7	39	< 0.1	22.6
404344	< 0.05	1.79	< 0.1	138	800	10.3	49.8	< 0.002	0.02	< 0.05	20.3	< 1	0.2	151	< 0.05	< 0.05	8.4	0.133	0.31	1.8	51	< 0.1	23.6
404345	< 0.05	2.03	< 0.1	124	820	11.5	50.2	< 0.002	< 0.01	< 0.05	17.7	< 1	0.3	198	< 0.05	< 0.05	7.9	0.193	0.31	1.7	57	< 0.1	22.4
404346	0.08	2.06	0.2	125	840	10.5	39.8	< 0.002	< 0.01	< 0.05	19.2	< 1	0.6	168	< 0.05	< 0.05	7.2	0.323	0.26	1.3	72	< 0.1	23.9
404347	0.09	2.00	0.2	115	840	10.1	43.0	< 0.002	< 0.01	< 0.05	19.5	< 1	0.6	170	< 0.05	< 0.05	6.9	0.294	0.27	1.5	64	< 0.1	24.2
404348	0.12	2.07	0.6	102	850	10.5	42.1	< 0.002	< 0.01	< 0.05	18.8	< 1	0.9	186	< 0.05	< 0.05	7.0	0.397	0.25	1.6	75	< 0.1	23.4
404349	0.14	2.23	1.0	57.8	880	15.3	62.5	< 0.002	< 0.01	< 0.05	13.8	< 1	0.7	260	< 0.05	< 0.05	9.0	0.282	0.41	2.1	57	< 0.1	17.2
404350	< 0.05	1.98	< 0.1	97.7	770	14.2	39.7	< 0.002	< 0.01	< 0.05	19.3	< 1	0.3	181	< 0.05	< 0.05	7.2	0.125	0.24	1.6	43	< 0.1	22.6
404351	< 0.05	1.94	< 0.1	132	740	10.2	45.0	< 0.002	< 0.01	< 0.05	19.5	< 1	0.2	161	< 0.05	< 0.05	7.3	0.120	0.28	1.4	42	< 0.1	23.3
404352	< 0.05	1.78	< 0.1	127	560	10.8	45.0	< 0.002	0.02	< 0.05	19.6	< 1	0.4	144	< 0.05	< 0.05	7.5	0.141	0.31	2.2	50	< 0.1	23.7
404353	< 0.05	1.93	< 0.1	140	700	10.5	45.7	< 0.002	< 0.01	< 0.05	19.4	< 1	0.2	158	< 0.05	< 0.05	7.1	0.128	0.28	1.6	44	< 0.1	23.9
404354	0.06	1.90	< 0.1	126	740	10.1	47.7	< 0.002	< 0.01	< 0.05	19.7	< 1	0.4	164	< 0.05	< 0.05	7.7	0.154	0.28	1.9	48	< 0.1	23.5
404355	0.05	1.98	< 0.1	118	860	10.5	47.1	< 0.002	< 0.01	< 0.05	18.1	< 1	0.5	179	< 0.05	< 0.05	7.5	0.170	0.28	1.6	45	< 0.1	22.9
404356	0.11	1.80	0.5	140	770	10.4	51.7	< 0.002	< 0.01	< 0.05	19.4	< 1	0.5	150	< 0.05	< 0.05	7.2	0.295	0.31	1.5	72	< 0.1	23.1
404357	< 0.05	1.95	< 0.1	89.2	690	10.1	39.7	< 0.002	< 0.01	< 0.05	17.5	< 1	0.3	175	< 0.05	< 0.05	6.8	0.143	0.24	1.6	42	< 0.1	22.0
404358	< 0.05	1.96	< 0.1	103	820	10.9	44.3	< 0.002	< 0.01	< 0.05	18.9	< 1	0.4	178	< 0.05	< 0.05	7.5	0.192	0.27	1.7	53	< 0.1	22.2
404359	0.36	1.97	8.4	109	920	11.7	30.0	< 0.002	< 0.01	0.08	15.9	< 1	1.0	165	0.26	< 0.05	6.0	0.602	0.32	1.2	117	< 0.1	18.5
404360	< 0.05	2.01	< 0.1	115	890	11.1	50.8	< 0.002	< 0.01	< 0.05	19.0	< 1	0.3	170	< 0.05	< 0.05	7.9	0.237	0.31	1.6	67	< 0.1	23.3
404361	0.07	2.21	0.6	52.5	820	18.3	88.2	< 0.002	< 0.01	< 0.05	12.4	< 1	0.4	246	< 0.05	< 0.05	12.5	0.281	0.57	2.6	70	< 0.1	18.4
404362	< 0.05	2.01	< 0.1	109	760	12.8	60.6	< 0.002	< 0.01	< 0.05	17.5	< 1	0.2	186	< 0.05	< 0.05	8.8	0.117	0.39	2.2	43	< 0.1	20.6
404363	< 0.05	2.06	< 0.1	116	860	12.5	55.7	< 0.002	< 0.01	< 0.05	17.6	< 1	0.2	198	< 0.05	0.22	8.9	0.147	0.36	2.0	45	< 0.1	21.7
404364	0.09	1.72	0.1	79.4	700	14.4	55.1	< 0.002	< 0.01	< 0.05	18.3	< 1	0.5	176	< 0.05	< 0.05	7.7	0.201	0.33	2.0	60	< 0.1	19.2
404365	< 0.05	1.91	0.1	70.0	590	11.1	47.4	< 0.002	< 0.01	< 0.05	19.5	< 1	0.5	194	< 0.05	< 0.05	7.4	0.187	0.30	3.1	49	< 0.1	18.6
404366	0.12	1.87	1.2	73.8	700	11.0	48.0	< 0.002	< 0.01	0.10	18.9	< 1	0.7	186	< 0.05	< 0.05	6.9	0.310	0.28	1.6	74	< 0.1	19.4
404367	0.09	1.81	0.8	71.0	700	11.2	49.7	< 0.002	< 0.01	0.08	18.5	< 1	0.7	192	< 0.05	< 0.05	6.8	0.278	0.31	1.7	68	< 0.1	18.6
404368	0.11	1.81	0.4	75.5	710	12.0	54.5	< 0.002	< 0.01	< 0.05	19.1	< 1	0.6	187	< 0.05	< 0.05	7.2	0.263	0.34	1.7	70	< 0.1	18.3
404369	0.52	1.67	3.7	69.3	780	13.7	37.6	< 0.002	0.02	0.10	16.9	< 1	0.9	157	0.12	< 0.05	6.6	0.484	0.41	1.6	124	< 0.1	14.2
404370	< 0.05	1.95	< 0.1	56.7	660	10.6	47.3	< 0.002	< 0.01	< 0.05	15.1	< 1	0.3	189	< 0.05	< 0.05	6.0	0.259	0.30	1.6	69	< 0.1	16.8
404371	< 0.05	1.97	< 0.1	58.0	640	10.4	41.5	< 0.002	< 0.01	< 0.05	18.2	< 1	0.3	201	< 0.05	< 0.05	7.0	0.169	0.25	1.6	46	< 0.1	20.3
404372	< 0.05	1.84	< 0.1	58.6	650	11.8	52.6	< 0.002	< 0.01	< 0.05	15.7	< 1	0.2	187	< 0.05	< 0.05	7.6	0.113	0.34	1.9	38	< 0.1	17.1
404373	< 0.05	1.87	< 0.1	71.5	720	11.1	42.7	< 0.002	< 0.01	< 0.05	18.4	< 1	0.3	190	< 0.05	< 0.05	6.0	0.126	0.27	1.7	40	< 0.1	18.9
404374	0.08	1.78	0.3	79.3	710	12.4	55.4	< 0.002	< 0.01	< 0.05	18.3	< 1	0.6	169	< 0.05	< 0.05	7.6	0.223	0.36	1.9	62	< 0.1	18.6
404375	0.17	1.71	2.0	82.2	540	12.3	52.0	< 0.002	0.01	0.14	19.5	< 1	0.8	162	< 0.05	< 0.05	7.6	0.343	0.35	1.8	84	< 0.1	17.7
404376	0.36	1.70	5.4	97.0	750	11.2	52.5	< 0.002	0.01	0.28	21.0	< 1	1.1	163	0.12	< 0.05	6.9	0.559	0.33	1.7	133	0.1	19.5
404377	0.24	1.77	4.4	78.6	660	11.8	50.8	< 0.002	0.02	0.22	18.5	< 1	1.0	165	0.09	< 0.05	7.3	0.494	0.31	1.8	115	< 0.1	17.6
404378	0.15	1.72	0.2	70.8	740	12.5	54.2	< 0.002	< 0.01	0.07	19.1	< 1	0.8	174	< 0.05	< 0.05	7.3	0.307	0.33	1.8	81	< 0.1	18.6

Analyte Symbol	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y
Unit Symbol	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.05	0.01	0.1	0.2	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1	1	0.1	0.1
Method Code	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-ICP	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-MS	TD-MS
404379	0.30	1.73	1.0	71.2	790	13.8	36.9	< 0.002	< 0.01	< 0.05	15.7	< 1	0.7	166	< 0.05	< 0.05	7.1	0.392	0.38	2.2	102	< 0.1	16.0
404380	< 0.05	0.13	< 0.1	45.1	330	23.8	55.0	< 0.002	0.04	< 0.05	13.1	< 1	0.5	43.1	< 0.05	< 0.05	16.0	0.153	0.34	3.0	70	< 0.1	13.6
404381	0.06	1.83	< 0.1	70.3	750	15.1	65.5	< 0.002	< 0.01	< 0.05	16.9	< 1	0.3	194	< 0.05	< 0.05	9.4	0.200	0.39	2.1	65	< 0.1	17.3
404382	< 0.05	1.81	0.1	76.0	560	11.3	48.4	< 0.002	< 0.01	< 0.05	19.3	< 1	< 0.2	178	< 0.05	< 0.05	10.6	0.107	0.31	1.7	40	< 0.1	21.0
404383	< 0.05	1.90	< 0.1	62.6	640	10.6	48.0	< 0.002	< 0.01	< 0.05	17.7	< 1	< 0.2	195	< 0.05	< 0.05	6.5	0.106	0.30	1.6	36	< 0.1	18.7
404384	< 0.05	1.82	< 0.1	61.0	600	13.2	56.8	< 0.002	< 0.01	< 0.05	15.5	< 1	0.3	193	< 0.05	< 0.05	7.8	0.151	0.37	1.9	44	< 0.1	15.8
404385	0.14	1.67	0.2	81.4	670	13.1	63.6	< 0.002	< 0.01	0.06	19.6	< 1	0.7	166	< 0.05	< 0.05	8.5	0.268	0.41	2.4	76	< 0.1	19.6
404386	0.11	1.82	0.3	74.4	760	12.2	53.6	< 0.002	< 0.01	0.05	19.0	< 1	0.7	170	< 0.05	< 0.05	6.9	0.233	0.33	1.8	60	< 0.1	20.4
404387	0.07	1.81	0.1	70.5	750	13.2	60.0	< 0.002	< 0.01	< 0.05	18.6	< 1	0.6	188	< 0.05	< 0.05	7.9	0.235	0.36	1.9	63	< 0.1	20.4
404388	0.09	1.73	0.2	74.2	660	12.6	57.1	< 0.002	< 0.01	< 0.05	18.5	< 1	0.7	173	< 0.05	< 0.05	7.7	0.275	0.35	1.9	74	< 0.1	19.3
404389	< 0.05	1.80	< 0.1	77.0	720	12.2	50.9	< 0.002	< 0.01	< 0.05	20.0	< 1	< 0.2	176	< 0.05	< 0.05	7.0	0.152	0.33	1.7	58	< 0.1	19.6
404390	< 0.05	1.84	< 0.1	77.5	640	13.1	52.9	< 0.002	< 0.01	< 0.05	20.5	< 1	< 0.2	185	< 0.05	< 0.05	7.0	0.117	0.33	1.7	48	< 0.1	20.1
404391	< 0.05	1.90	< 0.1	60.0	540	11.7	57.3	< 0.002	< 0.01	< 0.05	17.8	< 1	0.2	192	< 0.05	< 0.05	7.5	0.122	0.33	1.9	40	< 0.1	17.4
404392	< 0.05	1.84	< 0.1	71.6	630	11.3	49.5	< 0.002	< 0.01	< 0.05	19.5	< 1	0.3	181	< 0.05	< 0.05	6.2	0.144	0.29	1.6	50	< 0.1	20.5
404393	< 0.05	1.81	< 0.1	71.9	550	12.6	52.5	< 0.002	< 0.01	< 0.05	20.0	< 1	0.5	184	< 0.05	< 0.05	8.1	0.123	0.35	1.9	45	< 0.1	18.6
404394	< 0.05	1.87	< 0.1	64.1	560	11.5	47.3	< 0.002	< 0.01	< 0.05	18.4	< 1	0.5	192	< 0.05	< 0.05	7.5	0.179	0.30	1.8	47	< 0.1	19.0
404395	< 0.05	1.82	0.1	76.9	630	12.8	58.5	< 0.002	< 0.01	< 0.05	19.7	< 1	0.6	186	< 0.05	< 0.05	8.0	0.178	0.38	1.9	51	< 0.1	18.5
404396	0.13	1.76	0.1	83.3	720	12.2	55.3	< 0.002	< 0.01	< 0.05	20.8	< 1	0.8	179	< 0.05	< 0.05	8.4	0.282	0.36	1.9	81	< 0.1	18.6
404397	< 0.05	1.86	< 0.1	76.3	700	12.8	45.7	< 0.002	< 0.01	< 0.05	20.9	< 1	0.4	185	< 0.05	< 0.05	6.3	0.189	0.28	1.7	56	< 0.1	22.6
404398	0.72	1.85	14.3	71.8	800	11.4	32.4	< 0.002	< 0.01	0.64	18.3	< 1	1.7	180	0.85	< 0.05	5.3	0.774	0.30	1.5	153	0.8	16.9
404399	0.08	1.86	< 0.1	65.0	750	11.6	54.3	< 0.002	< 0.01	< 0.05	18.8	< 1	0.4	186	< 0.05	< 0.05	6.5	0.308	0.32	1.9	81	< 0.1	19.9
404400	0.19	2.59	0.8	18.9	230	7.3	41.9	< 0.002	< 0.01	< 0.05	5.4	< 1	0.6	359	< 0.05	< 0.05	1.6	0.185	0.24	0.4	39	< 0.1	6.8
404401	< 0.05	1.88	< 0.1	67.4	630	11.4	51.6	< 0.002	0.01	< 0.05	18.7	< 1	0.7	184	< 0.05	< 0.05	7.1	0.203	0.32	2.6	62	< 0.1	19.5
404402	< 0.05	1.98	< 0.1	53.7	630	11.3	42.9	< 0.002	< 0.01	< 0.05	18.3	< 1	0.2	193	< 0.05	< 0.05	6.5	0.123	0.26	1.6	37	< 0.1	21.5
404403	< 0.05	1.85	< 0.1	65.1	680	11.0	46.0	< 0.002	< 0.01	< 0.05	18.7	< 1	0.3	178	< 0.05	< 0.05	6.3	0.115	0.30	1.6	41	< 0.1	20.4
404404	< 0.05	1.79	< 0.1	69.8	640	16.5	50.6	< 0.002	< 0.01	< 0.05	19.3	< 1	0.4	184	< 0.05	< 0.05	7.1	0.160	0.32	1.8	54	< 0.1	18.4
404405	0.06	1.93	0.1	62.1	630	39.8	52.2	< 0.002	< 0.01	< 0.05	19.2	< 1	0.6	189	< 0.05	< 0.05	7.0	0.223	0.32	1.8	60	< 0.1	17.6
404406	0.09	1.84	0.2	69.1	730	12.1	56.9	< 0.002	0.01	< 0.05	19.9	< 1	0.6	187	< 0.05	< 0.05	7.4	0.247	0.36	1.8	69	< 0.1	18.6
404407	< 0.05	1.78	< 0.1	76.6	600	14.6	59.5	< 0.002	0.01	< 0.05	18.4	< 1	0.6	174	< 0.05	< 0.05	8.1	0.191	0.39	1.9	61	< 0.1	17.5
404408	< 0.05	1.88	< 0.1	67.9	620	13.6	53.7	< 0.002	< 0.01	< 0.05	19.1	< 1	0.3	185	< 0.05	< 0.05	6.7	0.123	0.33	1.7	43	< 0.1	19.7
404409	0.39	1.75	5.2	68.5	610	11.8	30.3	< 0.002	< 0.01	0.15	17.5	< 1	1.2	166	0.21	< 0.05	5.5	0.554	0.34	1.4	124	< 0.1	15.1
404410	< 0.05	1.79	< 0.1	71.6	760	12.4	58.8	< 0.002	< 0.01	< 0.05	20.7	< 1	0.3	183	< 0.05	< 0.05	7.6	0.258	0.34	1.9	77	< 0.1	19.5
404411	< 0.05	1.65	< 0.1	78.6	610	12.8	64.2	< 0.002	< 0.01	< 0.05	21.8	< 1	< 0.2	172	< 0.05	< 0.05	7.1	0.205	0.35	2.1	68	< 0.1	21.5
404412	< 0.05	1.74	< 0.1	77.6	570	14.9	67.1	< 0.002	< 0.01	< 0.05	20.3	< 1	0.3	178	< 0.05	< 0.05	9.0	0.119	0.45	2.2	47	< 0.1	19.6
404413	0.07	1.77	< 0.1	61.1	640	57.4	57.2	< 0.002	< 0.01	< 0.05	18.6	< 1	0.5	182	< 0.05	< 0.05	7.0	0.233	0.34	2.0	72	< 0.1	20.3
404414	< 0.05	1.80	< 0.1	76.1	700	13.9	59.7	< 0.002	< 0.01	< 0.05	19.8	< 1	0.4	194	< 0.05	< 0.05	8.3	0.168	0.38	2.0	55	< 0.1	19.4
404415	0.06	1.78	< 0.1	72.7	580	13.8	61.4	< 0.002	< 0.01	< 0.05	18.0	< 1	0.5	187	< 0.05	< 0.05	8.2	0.183	0.40	2.0	52	< 0.1	18.5
404416	< 0.05	1.84	< 0.1	60.9	660	13.7	59.5	< 0.002	< 0.01	< 0.05	17.2	< 1	0.2	193	< 0.05	< 0.05	8.1	0.117	0.38	1.8	42	< 0.1	17.3
404417	< 0.05	1.88	< 0.1	66.3	640	14.7	51.9	< 0.002	< 0.01	< 0.05	18.4	< 1	< 0.2	189	< 0.05	< 0.05	7.5	0.177	0.32	1.9	49	< 0.1	20.7
404418	< 0.05	1.88	< 0.1	64.6	640	13.1	55.6	< 0.002	< 0.01	< 0.05	19.6	< 1	0.3	202	< 0.05	< 0.05	7.8	0.300	0.34	1.9	72	< 0.1	21.8
404419	< 0.05	1.99	< 0.1	71.1	680	11.6	51.5	< 0.002	< 0.01	< 0.05	20.6	< 1	0.5	197	< 0.05	< 0.05	6.4	0.143	0.31	1.6	51	< 0.1	20.2
404420	< 0.05	1.95	< 0.1	66.1	660	11.3	50.5	< 0.002	< 0.01	< 0.05	19.7	< 1	0.5	189	< 0.05	< 0.05	6.5	0.193	0.30	1.6	53	< 0.1	19.5

Analyte Symbol	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y
Unit Symbol	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.05	0.01	0.1	0.2	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1	1	0.1	0.1
Method Code	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-ICP	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-MS	TD-MS
404421	< 0.05	1.83	< 0.1	79.8	620	11.2	53.3	< 0.002	< 0.01	< 0.05	21.0	< 1	0.6	175	< 0.05	< 0.05	6.3	0.194	0.32	1.6	61	< 0.1	20.8
404422	< 0.05	1.85	0.1	70.6	630	11.3	48.8	< 0.002	< 0.01	< 0.05	19.6	< 1	0.2	182	< 0.05	< 0.05	6.4	0.142	0.31	1.5	49	< 0.1	19.6
404423	< 0.05	1.94	0.1	61.1	760	10.8	48.4	< 0.002	< 0.01	< 0.05	17.9	< 1	0.3	189	< 0.05	< 0.05	6.4	0.149	0.29	1.7	51	< 0.1	19.6
404424	< 0.05	1.83	< 0.1	63.0	620	12.0	54.7	< 0.002	< 0.01	< 0.05	19.6	< 1	< 0.2	188	< 0.05	< 0.05	7.4	0.139	0.33	1.8	48	< 0.1	19.8
404425	< 0.05	1.85	0.2	54.7	410	11.5	55.0	< 0.002	< 0.01	< 0.05	18.7	< 1	0.2	196	< 0.05	< 0.05	7.7	0.186	0.33	1.9	53	< 0.1	17.3
404426	0.56	1.81	1.4	50.6	720	15.5	41.9	< 0.002	< 0.01	< 0.05	13.8	< 1	0.8	168	< 0.05	< 0.05	6.3	0.428	0.44	1.6	102	< 0.1	13.9
404427	< 0.05	1.78	0.3	82.3	660	13.6	59.9	< 0.002	< 0.01	< 0.05	20.2	< 1	0.3	181	< 0.05	< 0.05	8.3	0.294	0.35	1.8	87	< 0.1	18.9
404428	0.05	1.88	0.7	57.3	430	11.8	54.5	< 0.002	< 0.01	< 0.05	17.7	< 1	0.3	201	< 0.05	< 0.05	7.8	0.218	0.34	1.9	61	< 0.1	18.5
404429	< 0.05	1.73	< 0.1	96.1	730	12.6	55.0	< 0.002	< 0.01	< 0.05	22.0	< 1	0.3	180	< 0.05	< 0.05	7.3	0.177	0.33	1.7	60	< 0.1	22.3
404430	< 0.05	1.71	< 0.1	103	690	14.0	57.9	< 0.002	< 0.01	< 0.05	22.2	< 1	0.3	175	< 0.05	< 0.05	8.2	0.131	0.33	1.8	51	< 0.1	21.8
404431	0.05	1.70	< 0.1	108	680	13.0	54.6	< 0.002	0.01	< 0.05	23.5	< 1	0.3	172	< 0.05	< 0.05	7.5	0.158	0.36	1.6	62	< 0.1	19.4
404432	< 0.05	1.69	< 0.1	103	620	11.8	55.0	< 0.002	0.01	0.06	23.7	< 1	0.7	184	< 0.05	< 0.05	7.6	0.180	0.34	1.6	58	< 0.1	19.4
404433	0.39	1.57	0.5	104	660	13.4	62.2	< 0.002	0.02	0.16	23.3	< 1	1.1	163	< 0.05	< 0.05	8.1	0.439	0.38	1.9	120	< 0.1	19.0
404434	< 0.05	1.61	< 0.1	85.8	470	12.9	63.8	< 0.002	0.02	0.06	21.3	< 1	0.9	164	< 0.05	< 0.05	8.1	0.234	0.39	1.9	72	< 0.1	18.4
404435	0.13	1.60	0.3	121	580	12.3	63.2	< 0.002	0.02	0.12	24.1	< 1	0.8	158	< 0.05	< 0.05	7.9	0.362	0.39	1.9	104	< 0.1	18.9
404436	< 0.05	1.61	< 0.1	99.4	530	11.8	60.6	< 0.002	0.01	< 0.05	24.5	< 1	0.2	172	< 0.05	< 0.05	7.5	0.185	0.36	3.1	75	< 0.1	18.8
404437	0.20	1.61	0.6	95.8	690	12.8	46.9	< 0.002	0.02	< 0.05	19.1	< 1	0.6	164	< 0.05	< 0.05	6.7	0.339	0.31	1.8	103	< 0.1	16.7
404438	< 0.05	1.80	< 0.1	84.3	720	12.9	57.1	< 0.002	< 0.01	< 0.05	20.0	< 1	0.2	186	< 0.05	< 0.05	7.5	0.235	0.34	1.7	72	< 0.1	22.1
404439	0.08	1.67	0.3	87.1	650	14.0	66.9	< 0.002	< 0.01	< 0.05	20.7	< 1	0.6	180	< 0.05	< 0.05	8.6	0.259	0.43	1.9	87	< 0.1	18.1
404440	0.06	2.60	0.2	20.5	220	7.3	45.3	< 0.002	< 0.01	< 0.05	7.0	< 1	0.5	393	< 0.05	< 0.05	1.5	0.198	0.25	0.6	39	< 0.1	8.1
404441	0.08	1.76	0.4	71.2	660	14.9	67.9	< 0.002	0.01	< 0.05	19.4	< 1	0.3	187	< 0.05	< 0.05	8.6	0.156	0.42	2.1	58	< 0.1	20.1
404442	< 0.05	1.76	< 0.1	55.9	530	11.3	55.5	< 0.002	< 0.01	< 0.05	17.7	< 1	0.3	190	< 0.05	< 0.05	7.4	0.120	0.33	2.0	37	< 0.1	17.2
404443	0.05	1.88	0.1	52.0	640	12.6	56.1	< 0.002	< 0.01	< 0.05	17.3	< 1	1.1	209	< 0.05	< 0.05	8.9	0.175	0.34	2.0	46	< 0.1	18.8
404444	0.87	1.79	9.4	66.8	720	12.4	66.8	< 0.002	< 0.01	0.29	18.2	< 1	1.6	204	0.17	< 0.05	8.7	0.626	0.38	2.1	132	0.1	20.2
404445	0.62	1.71	2.0	83.3	730	14.7	72.3	< 0.002	< 0.01	0.20	20.9	< 1	1.2	181	< 0.05	< 0.05	9.1	0.482	0.43	2.1	121	< 0.1	19.6
404446	< 0.05	1.73	< 0.1	79.6	660	13.5	67.5	< 0.002	0.01	< 0.05	21.0	< 1	0.3	183	< 0.05	< 0.05	8.9	0.113	0.43	2.2	45	< 0.1	20.3
404447	0.38	1.76	0.5	53.4	640	17.1	61.4	< 0.002	0.01	< 0.05	17.2	< 1	0.9	182	< 0.05	< 0.05	9.2	0.462	0.47	2.3	116	< 0.1	18.4
404448	0.10	1.88	< 0.1	46.4	700	14.8	70.0	< 0.002	< 0.01	< 0.05	15.2	< 1	0.4	196	< 0.05	< 0.05	9.2	0.336	0.43	2.1	85	< 0.1	17.6
404449	< 0.05	1.96	0.4	69.5	750	11.7	55.5	< 0.002	< 0.01	< 0.05	18.9	< 1	0.3	198	< 0.05	< 0.05	7.6	0.254	0.31	1.7	70	< 0.1	23.4
404450	< 0.05	1.80	< 0.1	48.2	610	14.9	71.9	< 0.002	0.01	< 0.05	14.7	< 1	0.3	189	< 0.05	< 0.05	10.0	0.258	0.45	3.9	71	< 0.1	16.4
404451	< 0.05	1.90	< 0.1	42.7	630	12.7	59.5	< 0.002	< 0.01	< 0.05	15.6	< 1	0.3	206	< 0.05	< 0.05	7.6	0.187	0.34	1.9	49	< 0.1	18.7
404452	< 0.05	2.03	0.1	38.6	630	10.7	49.2	< 0.002	< 0.01	< 0.05	16.6	< 1	0.2	200	< 0.05	< 0.05	6.9	0.153	0.29	1.7	44	< 0.1	22.3
404453	< 0.05	1.99	0.1	41.1	650	11.7	49.4	< 0.002	< 0.01	< 0.05	17.4	< 1	1.1	194	< 0.05	< 0.05	9.6	0.153	0.29	1.7	42	< 0.1	24.8
404454	0.06	1.85	0.4	66.4	660	11.4	51.7	< 0.002	< 0.01	0.07	19.7	< 1	0.7	182	< 0.05	< 0.05	6.7	0.245	0.30	1.8	60	< 0.1	21.1
404455	0.21	1.86	0.9	61.4	600	13.9	63.2	< 0.002	0.01	0.07	18.0	< 1	0.8	183	< 0.05	< 0.05	8.4	0.395	0.37	2.3	93	< 0.1	18.7
404456	0.07	1.90	0.3	63.4	720	10.3	45.4	< 0.002	< 0.01	0.07	21.0	< 1	0.6	197	< 0.05	< 0.05	6.3	0.234	0.29	1.7	57	< 0.1	22.4
404457	0.05	1.73	0.2	73.8	680	13.2	61.6	< 0.002	0.01	< 0.05	18.6	< 1	0.3	175	< 0.05	< 0.05	8.4	0.271	0.38	4.4	79	< 0.1	20.7
404458	< 0.05	1.94	< 0.1	48.3	660	12.4	56.1	< 0.002	< 0.01	< 0.05	15.7	< 1	0.2	208	< 0.05	< 0.05	7.7	0.187	0.34	2.0	53	< 0.1	17.6
404459	< 0.05	1.79	< 0.1	64.4	620	15.8	70.1	< 0.002	0.01	< 0.05	17.1	< 1	< 0.2	187	< 0.05	< 0.05	8.9	0.138	0.44	2.2	55	< 0.1	16.2
404460	0.26	0.09	0.4	230	350	21.1	39.6	< 0.002	0.05	< 0.05	49.1	< 1	0.7	29.8	< 0.05	< 0.05	15.0	0.291	0.27	2.7	134	< 0.1	10.3
404461	0.10	1.81	< 0.1	52.1	520	17.1	57.7	< 0.002	0.02	< 0.05	17.1	< 1	0.6	199	< 0.05	0.11	8.3	0.151	0.35	1.8	46	< 0.1	16.7
404462	0.18	1.83	0.4	62.3	600	13.1	65.2	< 0.002	< 0.01	0.06	17.2	< 1	0.9	203	< 0.05	< 0.05	7.9	0.356	0.40	1.9	87	< 0.1	16.9

Analyte Symbol	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y
Unit Symbol	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.05	0.01	0.1	0.2	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1	1	0.1	0.1
Method Code	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-ICP	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-MS	TD-MS
404463	0.58	1.76	4.0	69.4	710	16.1	64.2	< 0.002	0.02	0.11	18.7	< 1	1.4	188	< 0.05	< 0.05	8.2	0.525	0.36	2.0	124	< 0.1	18.3
404464	0.54	1.61	3.9	101	680	13.3	68.6	< 0.002	0.01	0.17	22.3	< 1	1.1	168	0.08	< 0.05	7.6	0.477	0.41	1.9	132	< 0.1	19.3
404465	0.34	1.67	1.8	86.6	680	13.1	33.0	< 0.002	0.02	0.05	18.1	< 1	0.8	162	0.05	< 0.05	5.6	0.447	0.40	1.4	118	< 0.1	13.8
404466	0.05	1.70	< 0.1	107	660	12.5	57.2	< 0.002	0.01	< 0.05	22.6	< 1	0.2	179	< 0.05	< 0.05	20.0	0.330	0.39	1.7	108	< 0.1	19.0
404467	0.12	1.78	0.7	81.1	720	18.5	62.1	< 0.002	0.01	0.10	19.0	< 1	3.2	188	< 0.05	< 0.05	8.4	0.282	0.46	2.2	88	0.1	17.4
404468	< 0.05	1.59	< 0.1	125	580	15.5	68.6	< 0.002	0.03	< 0.05	20.5	< 1	< 0.2	166	< 0.05	< 0.05	8.8	0.204	0.44	2.2	79	< 0.1	17.4
404469	0.05	1.60	0.3	122	660	13.6	61.1	< 0.002	0.01	< 0.05	20.4	< 1	0.2	156	< 0.05	< 0.05	7.9	0.168	0.39	1.9	66	< 0.1	18.0
404470	< 0.05	1.55	0.1	136	620	23.1	63.5	< 0.002	0.05	0.06	23.5	< 1	0.7	163	< 0.05	< 0.05	7.8	0.182	0.39	1.9	76	< 0.1	18.6
404471	< 0.05	2.01	< 0.1	49.6	620	10.9	53.2	< 0.002	< 0.01	< 0.05	17.4	< 1	0.7	206	< 0.05	< 0.05	6.5	0.169	0.31	1.8	48	< 0.1	20.1
404472	0.07	2.03	0.2	53.7	700	9.3	47.3	< 0.002	0.02	0.10	17.0	< 1	0.9	204	< 0.05	< 0.05	6.1	0.266	0.27	1.8	58	< 0.1	23.5
404473	0.07	2.06	0.4	44.8	670	9.8	51.8	< 0.002	< 0.01	0.07	17.9	< 1	0.9	214	< 0.05	< 0.05	6.9	0.296	0.29	1.9	61	< 0.1	24.4
404474	0.17	1.92	0.2	123	880	13.1	51.2	< 0.002	0.03	< 0.05	20.9	< 1	0.7	156	< 0.05	< 0.05	7.1	0.268	0.31	1.5	75	< 0.1	22.7
404475	0.81	1.93	24.1	114	950	10.3	28.7	< 0.002	< 0.01	0.29	16.7	< 1	2.0	144	1.39	0.10	4.0	0.909	0.31	1.2	165	0.3	16.9
404476	< 0.05	1.83	0.1	126	860	11.4	54.4	< 0.002	0.01	< 0.05	21.8	< 1	0.3	159	< 0.05	0.06	7.7	0.250	0.34	1.7	74	< 0.1	23.8
404477	< 0.05	2.04	< 0.1	88.0	870	14.7	44.1	< 0.002	0.02	< 0.05	19.6	< 1	0.2	190	< 0.05	< 0.05	6.8	0.239	0.27	1.7	68	< 0.1	23.1
404478	< 0.05	2.00	< 0.1	102	810	9.9	44.6	< 0.002	< 0.01	< 0.05	20.0	< 1	< 0.2	187	< 0.05	< 0.05	6.7	0.158	0.26	5.5	52	< 0.1	23.9
404479	< 0.05	1.96	< 0.1	124	770	10.3	48.0	< 0.002	0.01	< 0.05	20.7	< 1	< 0.2	163	< 0.05	< 0.05	7.0	0.144	0.29	1.8	61	< 0.1	23.1
404480	< 0.05	1.97	< 0.1	119	770	10.4	46.5	< 0.002	0.03	< 0.05	21.1	< 1	0.4	166	< 0.05	< 0.05	6.7	0.197	0.27	1.4	69	< 0.1	23.2
404481	< 0.05	1.93	< 0.1	112	800	12.0	59.5	< 0.002	0.02	< 0.05	19.3	< 1	0.3	175	< 0.05	< 0.05	8.1	0.124	0.36	1.8	48	< 0.1	22.2
404482	< 0.05	1.91	< 0.1	120	770	10.3	51.5	< 0.002	0.01	< 0.05	20.9	< 1	0.4	158	< 0.05	< 0.05	7.4	0.186	0.32	1.8	57	< 0.1	22.3
404483	0.12	1.91	0.1	116	790	11.1	55.4	< 0.002	0.01	< 0.05	21.0	< 1	0.6	170	< 0.05	< 0.05	8.0	0.235	0.34	1.8	66	< 0.1	23.6
404484	0.05	2.03	0.2	78.2	730	11.8	59.6	< 0.002	< 0.01	< 0.05	18.3	< 1	0.5	195	< 0.05	< 0.05	7.9	0.181	0.39	2.0	48	< 0.1	20.6
404485	< 0.05	1.89	0.1	121	800	10.4	49.5	< 0.002	< 0.01	< 0.05	21.4	< 1	0.7	168	< 0.05	< 0.05	7.0	0.191	0.31	1.5	60	< 0.1	23.1
404486	0.32	1.97	7.1	112	870	11.3	33.4	< 0.002	0.01	< 0.05	17.1	< 1	1.0	159	0.19	< 0.05	5.0	0.634	0.33	1.1	127	0.2	17.9
404487	< 0.05	1.90	< 0.1	131	850	11.5	54.3	< 0.002	< 0.01	< 0.05	21.0	< 1	0.3	165	< 0.05	< 0.05	8.1	0.264	0.33	1.6	76	< 0.1	24.0
404488	< 0.05	1.89	< 0.1	131	860	10.5	50.7	< 0.002	0.01	< 0.05	21.3	< 1	0.2	160	< 0.05	< 0.05	7.2	0.220	0.31	1.6	70	< 0.1	22.9
404489	< 0.05	2.00	< 0.1	99.1	820	11.1	49.6	< 0.002	< 0.01	< 0.05	19.8	< 1	0.8	185	< 0.05	< 0.05	6.9	0.191	0.30	1.7	61	< 0.1	22.3
404490	< 0.05	2.29	< 0.1	61.9	650	10.6	45.8	< 0.002	< 0.01	< 0.05	18.2	< 1	0.2	234	< 0.05	< 0.05	7.7	0.208	0.27	1.9	54	< 0.1	19.6
404491	< 0.05	1.94	< 0.1	125	810	10.4	50.6	< 0.002	0.01	< 0.05	20.6	< 1	< 0.2	162	< 0.05	< 0.05	7.2	0.144	0.33	1.5	59	< 0.1	22.6
404492	< 0.05	2.12	< 0.1	59.0	660	12.8	64.3	< 0.002	0.02	< 0.05	15.6	< 1	< 0.2	233	< 0.05	< 0.05	9.1	0.143	0.40	2.2	48	< 0.1	19.1
404493	< 0.05	1.94	< 0.1	90.5	730	12.0	50.3	< 0.002	0.01	< 0.05	19.1	< 1	0.2	189	< 0.05	< 0.05	7.4	0.118	0.31	1.6	43	< 0.1	21.5
404494	< 0.05	1.55	< 0.1	137	750	14.9	79.5	< 0.002	0.02	< 0.05	21.1	< 1	0.3	155	< 0.05	< 0.05	11.8	0.138	0.53	2.7	56	< 0.1	25.0
404495	< 0.05	2.07	< 0.1	75.0	810	12.9	58.9	< 0.002	< 0.01	< 0.05	17.9	< 1	0.3	208	< 0.05	< 0.05	7.6	0.219	0.36	1.9	60	< 0.1	20.1
404496	0.05	1.98	< 0.1	107	830	13.5	64.4	< 0.002	0.01	< 0.05	20.2	< 1	0.3	197	< 0.05	< 0.05	8.6	0.214	0.46	3.1	66	< 0.1	22.2
404497	< 0.05	1.92	< 0.1	123	850	10.8	51.7	< 0.002	< 0.01	< 0.05	21.7	< 1	0.2	169	< 0.05	< 0.05	7.4	0.188	0.33	1.4	61	< 0.1	22.8
404498	< 0.05	2.17	< 0.1	89.9	840	12.7	59.9	< 0.002	0.01	< 0.05	19.5	< 1	0.2	209	< 0.05	< 0.05	7.9	0.193	0.38	2.0	60	< 0.1	22.2
404499	< 0.05	2.04	< 0.1	90.5	770	12.3	58.9	< 0.002	< 0.01	< 0.05	17.8	< 1	< 0.2	206	< 0.05	< 0.05	8.1	0.181	0.36	2.1	57	< 0.1	20.2
404500	0.16	2.65	0.4	20.0	250	10.0	43.1	< 0.002	0.02	< 0.05	6.6	< 1	0.6	388	< 0.05	< 0.05	3.4	0.212	0.25	5.6	44	< 0.1	7.7

Analyte Symbol	Zn	Zr	Au
Unit Symbol	ppm	ppm	g/mt
Lower Limit	2	0.5	0.005
Method Code	TD-ICP	TD-MS	FA-AA
404127	82	59.2	< 0.005
404128	78	117	< 0.005
404129	74	118	< 0.005
404130	94	110	< 0.005
404131	76	25.3	< 0.005
404132	76	140	0.012
404133	61	21.8	< 0.005
404134	55	31.8	0.010
404135	79	213	< 0.005
404136	71	168	< 0.005
404137	60	7.8	0.007
404138	80	16.8	0.005
404139	62	117	0.025
404140	18	49.2	< 0.005
404141	69	185	0.163
404142	77	159	< 0.005
404143	123	227	0.208
404144	64	132	< 0.005
404145	77	152	0.014
404146	80	162	0.270
404147	63	143	0.035
404148	74	36.5	0.008
404149	71	83.2	0.007
404150	61	46.4	0.014
404151	64	169	0.011
404152	83	165	< 0.005
404153	75	163	< 0.005
404154	63	157	0.005
404155	84	134	0.024
404156	66	189	0.007
404157	60	45.5	0.009
404158	61	5.2	< 0.005
404159	79	53.4	0.039
404160	18	38.2	< 0.005
404161	69	84.7	0.020
404162	65	189	0.005
404163	74	148	0.007
404164	84	131	< 0.005
404165	78	131	0.133
404166	64	54.6	0.007
404167	74	97.2	0.013
404168	63	83.8	0.006

Analyte Symbol	Zn	Zr	Au
Unit Symbol	ppm	ppm	g/mt
Lower Limit	2	0.5	0.005
Method Code	TD-ICP	TD-MS	FA-AA
404169	53	115	0.055
404170	86	127	0.043
404171	74	83.8	0.026
404172	86	53.1	< 0.005
404173	72	144	0.016
404174	73	191	< 0.005
404175	90	127	< 0.005
404176	79	128	0.006
404177	69	99.5	0.012
404178	90	54.3	0.009
404179	71	106	0.087
404180	77	114	0.161
404181	70	140	0.011
404182	81	146	0.011
404183	64	146	0.018
404184	91	198	< 0.005
404185	57	44.7	0.008
404186	81	116	0.011
404187	63	81.2	0.010
404188	85	109	0.812
404189	69	118	< 0.005
404190	65	142	0.027
404191	64	144	0.104
404192	78	167	0.006
404193	83	164	0.017
404194	74	160	0.049
404195	62	199	< 0.005
404196	67	138	< 0.005
404197	69	81.4	< 0.005
404198	66	107	< 0.005
404199	75	121	0.012
404200	21	61.5	< 0.005
404201	95	165	< 0.005
404202	67	148	< 0.005
404203	78	126	< 0.005
404204	95	41.1	< 0.005
404205	90	101	< 0.005
404206	89	142	< 0.005
404207	81	142	< 0.005
404208	107	190	< 0.005
404209	84	152	< 0.005
404210	68	123	< 0.005

Analyte Symbol	Zn	Zr	Au
Unit Symbol	ppm	ppm	g/mt
Lower Limit	2	0.5	0.005
Method Code	TD-ICP	TD-MS	FA-AA
404211	88	121	0.015
404212	97	174	< 0.005
404213	89	50.8	< 0.005
404214	115	28.6	< 0.005
404215	114	99.0	< 0.005
404216	81	142	< 0.005
404217	88	204	< 0.005
404218	100	178	< 0.005
404219	79	184	< 0.005
404220	150	275	0.406
404221	89	148	0.006
404222	81	145	< 0.005
404223	76	169	< 0.005
404224	71	128	< 0.005
404225	113	70.9	< 0.005
404226	100	99.1	< 0.005
404227	80	114	< 0.005
404228	96	114	< 0.005
404229	104	123	< 0.005
404230	103	157	< 0.005
404231	104	164	< 0.005
404232	107	151	< 0.005
404233	106	123	< 0.005
404234	87	150	< 0.005
404235	83	119	< 0.005
404236	99	120	< 0.005
404237	103	89.0	< 0.005
404238	92	52.1	< 0.005
404239	98	89.4	< 0.005
404240	103	94.4	< 0.005
404241	107	146	< 0.005
404242	96	119	< 0.005
404243	87	11.5	< 0.005
404244	109	82.5	< 0.005
404245	78	39.9	< 0.005
404246	85	104	< 0.005
404247	87	74.7	< 0.005
404248	102	102	< 0.005
404249	108	106	< 0.005
404250	95	110	< 0.005
404251	90	133	< 0.005
404252	91	103	< 0.005

Analyte Symbol	Zn	Zr	Au
Unit Symbol	ppm	ppm	g/mt
Lower Limit	2	0.5	0.005
Method Code	TD-ICP	TD-MS	FA-AA
404253	76	8.7	< 0.005
404254	82	93.5	< 0.005
404255	80	104	< 0.005
404256	88	106	< 0.005
404257	98	100	< 0.005
404258	83	120	0.014
404259	79	118	< 0.005
404260	49	94.7	< 0.005
404261	92	176	< 0.005
404262	94	115	< 0.005
404263	93	6.6	< 0.005
404264	90	38.5	< 0.005
404265	104	5.5	< 0.005
404266	99	113	< 0.005
404267	95	69.7	< 0.005
404268	89	98.1	< 0.005
404269	95	121	< 0.005
404270	96	141	< 0.005
404271	97	117	< 0.005
404272	111	117	< 0.005
404273	101	19.8	< 0.005
404274	108	93.1	< 0.005
404275	91	40.9	< 0.005
404276	91	95.5	< 0.005
404277	83	82.1	< 0.005
404278	96	114	< 0.005
404279	100	116	< 0.005
404280	19	36.9	< 0.005
404281	109	52.9	< 0.005
404282	85	84.2	< 0.005
404283	105	22.5	< 0.005
404284	81	91.3	< 0.005
404285	100	95.9	< 0.005
404286	102	106	< 0.005
404287	106	152	< 0.005
404288	97	162	< 0.005
404289	101	126	< 0.005
404290	101	142	< 0.005
404291	96	177	< 0.005
404292	99	88.3	< 0.005
404293	100	91.7	< 0.005
404294	93	7.8	< 0.005

Analyte Symbol	Zn	Zr	Au
Unit Symbol	ppm	ppm	g/mt
Lower Limit	2	0.5	0.005
Method Code	TD-ICP	TD-MS	FA-AA
404295	101	94.3	< 0.005
404296	94	113	< 0.005
404297	104	141	< 0.005
404298	98	152	< 0.005
404299	98	157	0.032
404300	99	135	< 0.005
404301	102	151	< 0.005
404302	92	167	< 0.005
404303	115	134	< 0.005
404304	100	66.1	< 0.005
404305	104	93.6	< 0.005
404306	95	112	< 0.005
404307	87	113	0.018
404308	109	115	< 0.005
404309	110	73.8	< 0.005
404310	86	104	< 0.005
404311	101	23.3	< 0.005
404312	92	15.4	< 0.005
404313	94	98.5	< 0.005
404314	99	82.6	< 0.005
404315	102	109	< 0.005
404316	96	78.7	< 0.005
404317	101	88.0	< 0.005
404318	113	61.9	< 0.005
404319	100	111	< 0.005
404320	46	150	0.023
404321	94	60.6	< 0.005
404322	91	64.5	< 0.005
404323	97	117	< 0.005
404324	101	94.5	< 0.005
404325	106	131	< 0.005
404326	103	121	< 0.005
404327	102	149	< 0.005
404328	102	105	< 0.005
404329	108	124	< 0.005
404330	89	168	< 0.005
404331	98	80.2	< 0.005
404332	100	16.4	< 0.005
404333	93	96.0	< 0.005
404334	105	91.3	< 0.005
404335	89	119	< 0.005
404336	107	132	< 0.005

Analyte Symbol	Zn	Zr	Au
Unit Symbol	ppm	ppm	g/mt
Lower Limit	2	0.5	0.005
Method Code	TD-ICP	TD-MS	FA-AA
404337	104	145	< 0.005
404338	103	171	< 0.005
404339	115	102	< 0.005
404340	22	47.8	< 0.005
404341	108	164	< 0.005
404342	121	117	< 0.005
404343	95	36.5	< 0.005
404344	111	99.7	< 0.005
404345	102	123	< 0.005
404346	110	161	< 0.005
404347	96	121	< 0.005
404348	83	141	< 0.005
404349	78	175	< 0.005
404350	91	104	< 0.005
404351	96	14.9	< 0.005
404352	94	18.0	< 0.005
404353	95	86.3	< 0.005
404354	98	98.9	< 0.005
404355	91	105	0.029
404356	102	131	< 0.005
404357	85	92.5	< 0.005
404358	89	131	< 0.005
404359	98	195	< 0.005
404360	101	117	< 0.005
404361	111	149	< 0.005
404362	109	38.0	< 0.005
404363	98	113	< 0.005
404364	134	120	0.040
404365	95	115	0.008
404366	96	136	0.011
404367	89	132	0.009
404368	94	125	< 0.005
404369	94	170	< 0.005
404370	79	122	< 0.005
404371	77	51.8	0.008
404372	84	90.1	0.086
404373	88	93.9	0.156
404374	101	114	0.011
404375	93	132	0.014
404376	127	144	0.006
404377	94	147	0.026
404378	113	109	0.121

Analyte Symbol	Zn	Zr	Au
Unit Symbol	ppm	ppm	g/mt
Lower Limit	2	0.5	0.005
Method Code	TD-ICP	TD-MS	FA-AA
404379	103	156	0.013
404380	51	72.8	< 0.005
404381	100	104	0.006
404382	99	41.7	0.007
404383	83	94.5	0.009
404384	84	107	< 0.005
404385	106	113	0.011
404386	106	110	0.012
404387	95	131	0.022
404388	102	126	< 0.005
404389	95	122	0.006
404390	98	15.1	0.013
404391	90	26.7	0.014
404392	91	54.5	0.014
404393	93	75.8	< 0.005
404394	86	113	0.008
404395	95	112	0.010
404396	101	105	0.022
404397	156	80.4	0.099
404398	96	174	0.034
404399	92	130	0.014
404400	19	71.4	< 0.005
404401	99	13.9	0.007
404402	109	102	0.121
404403	99	97.4	0.019
404404	204	92.2	0.104
404405	96	130	0.155
404406	95	125	< 0.005
404407	94	110	0.007
404408	100	29.8	0.017
404409	88	171	0.012
404410	97	130	0.018
404411	108	32.9	0.028
404412	108	58.3	0.007
404413	182	90.7	0.268
404414	99	102	0.013
404415	100	89.7	0.011
404416	89	110	0.007
404417	91	63.5	0.022
404418	97	8.5	0.021
404419	95	52.3	0.009
404420	89	66.4	0.007

Analyte Symbol	Zn	Zr	Au
Unit Symbol	ppm	ppm	g/mt
Lower Limit	2	0.5	0.005
Method Code	TD-ICP	TD-MS	FA-AA
404421	101	58.9	0.047
404422	92	85.5	0.012
404423	92	103	0.007
404424	91	56.6	0.015
404425	84	127	< 0.005
404426	96	160	< 0.005
404427	96	135	0.028
404428	78	157	0.007
404429	100	126	0.018
404430	102	113	0.017
404431	104	109	0.009
404432	95	83.6	0.011
404433	106	121	0.011
404434	104	74.5	0.017
404435	106	121	0.014
404436	105	72.1	0.007
404437	102	163	0.011
404438	99	136	0.009
404439	105	141	0.005
404440	36	56.3	< 0.005
404441	108	114	0.011
404442	85	115	< 0.005
404443	79	133	< 0.005
404444	95	182	< 0.005
404445	109	160	0.008
404446	101	98.3	0.009
404447	111	192	0.005
404448	92	173	< 0.005
404449	93	140	0.013
404450	96	28.6	0.006
404451	83	122	0.006
404452	81	36.3	0.006
404453	88	107	0.020
404454	91	121	0.017
404455	94	145	0.013
404456	101	114	0.012
404457	101	157	0.015
404458	80	76.8	0.007
404459	104	73.1	0.009
404460	49	85.4	0.027
404461	93	105	0.008
404462	91	137	0.009

Analyte Symbol	Zn	Zr	Au
Unit Symbol	ppm	ppm	g/mt
Lower Limit	2	0.5	0.005
Method Code	TD-ICP	TD-MS	FA-AA
404463	106	160	0.015
404464	115	136	0.014
404465	101	147	0.009
404466	105	147	0.019
404467	103	142	0.016
404468	109	24.8	0.026
404469	102	120	0.018
404470	111	73.9	0.020
404471	81	76.9	0.010
404472	76	113	0.017
404473	78	151	0.067
404474	106	115	< 0.005
404475	104	204	0.006
404476	103	142	< 0.005
404477	90	165	< 0.005
404478	94	88.9	< 0.005
404479	104	89.7	< 0.005
404480	102	101	< 0.005
404481	108	99.9	< 0.005
404482	110	106	< 0.005
404483	109	109	< 0.005
404484	94	150	< 0.005
404485	106	89.0	< 0.005
404486	101	200	< 0.005
404487	109	136	< 0.005
404488	108	128	< 0.005
404489	93	129	0.007
404490	76	36.7	< 0.005
404491	109	105	< 0.005
404492	85	131	< 0.005
404493	92	91.0	0.007
404494	138	121	< 0.005
404495	92	134	< 0.005
404496	114	141	< 0.005
404497	107	130	0.005
404498	100	147	< 0.005
404499	98	90.4	< 0.005
404500	21	58.9	< 0.005

Analyte Symbol	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn
Unit Symbol	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5
Method Code	TD-MS	TD-ICP	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-ICP
GXR-1 Meas	32.9	2.15	438	720	1.05	1390	0.90	2.76	14.2	7.6	88	2.57	1160	26.5	7.84		0.3	0.739	0.05	7.1	8.0	0.22	935
GXR-1 Cert	31.0	3.52	427	750	1.22	1380	0.960	3.30	17.0	8.20	12.0	3.00	1110	23.6	13.8		0.960	0.770	0.050	7.50	8.20	0.217	852
GXR-1 Meas	32.1	2.19	422	700	0.92	1430	0.88	2.51	14.2	7.4	15	2.75	1110	25.3	7.29		0.1	0.764	0.05	6.9	7.7	0.22	923
GXR-1 Cert	31.0	3.52	427	750	1.22	1380	0.960	3.30	17.0	8.20	12.0	3.00	1110	23.6	13.8		0.960	0.770	0.050	7.50	8.20	0.217	852
GXR-1 Meas	31.9	2.34	441	650	0.97	1460	0.89	2.67	14.4	7.8	16	2.58	1070	23.8	6.32		0.3	0.771	0.05	7.0	8.3	0.21	905
GXR-1 Cert	31.0	3.52	427	750	1.22	1380	0.960	3.30	17.0	8.20	12.0	3.00	1110	23.6	13.8		0.960	0.770	0.050	7.50	8.20	0.217	852
GXR-1 Meas													1120										
GXR-1 Cert													1110										
DH-1a Meas																							
DH-1a Cert																							
DH-1a Meas																							
DH-1a Cert																							
DH-1a Meas																							
DH-1a Cert																							
GXR-4 Meas	3.67	6.77	107	80	2.11	18.9	1.04	0.12	111	14.3	42	2.52	6430	3.21	17.5		1.0	0.221	2.71	56.6	11.5	1.72	156
GXR-4 Cert	4.00	7.20	98.0	1640	1.90	19.0	1.01	0.860	102	14.6	64.0	2.80	6520	3.09	20.0		6.30	0.270	4.01	64.5	11.1	1.66	155
GXR-4 Meas	3.54	6.54	93.5	90	1.85	19.0	1.02	0.29	106	13.8	38	2.47	5980	3.14	16.2		1.2	0.234	2.77	55.0	10.7	1.67	154
GXR-4 Cert	4.00	7.20	98.0	1640	1.90	19.0	1.01	0.860	102	14.6	64.0	2.80	6520	3.09	20.0		6.30	0.270	4.01	64.5	11.1	1.66	155
GXR-4 Meas	3.57	6.91	98.5	110	1.96	20.2	1.08	0.24	104	13.6	40	2.37	5810	3.18	18.1		1.1	0.228	3.51	53.7	11.0	1.70	158
GXR-4 Cert	4.00	7.20	98.0	1640	1.90	19.0	1.01	0.860	102	14.6	64.0	2.80	6520	3.09	20.0		6.30	0.270	4.01	64.5	11.1	1.66	155
GXR-4 Meas													6230										
GXR-4 Cert													6520										
SDC-1 Meas		7.34	< 0.2	620	2.85		0.94		74.5	17.8	54	3.56	31.2	4.86	19.4		1.5		1.66	29.2	35.8	0.97	919
SDC-1 Cert		8.34	0.220	630	3.00		1.00		93.00	18.0	64.00	4.00	30.000	4.82	21.00		8.30		2.72	42.00	34.0	1.02	880.00
SDC-1 Meas		8.05	< 0.2	660	2.99		1.04		85.8	18.3	37	3.68	29.6	4.90	19.3		0.9		1.78	39.2	36.5	0.98	865
SDC-1 Cert		8.34	0.220	630	3.00		1.00		93.00	18.0	64.00	4.00	30.000	4.82	21.00		8.30		2.72	42.00	34.0	1.02	880.00
SDC-1 Meas		8.48	< 0.2	630	2.92		1.10		89.4	18.2	39	3.77	29.3	4.88	17.9		0.8		1.85	41.4	37.0	0.98	891
SDC-1 Cert		8.34	0.220	630	3.00		1.00		93.00	18.0	64.00	4.00	30.000	4.82	21.00		8.30		2.72	42.00	34.0	1.02	880.00
SDC-1 Meas													31.5										
SDC-1 Cert													30.000										
GXR-6 Meas	0.22	13.4	263	1400	1.05	0.19	0.19	0.07	35.0	13.7	41	4.01	69.0	5.68	26.2		2.2	0.084	1.59	12.8	38.4	0.62	1050
GXR-6 Cert	1.30	17.7	330	1300	1.40	0.290	0.180	1.00	36.0	13.8	96.0	4.20	66.0	5.58	35.0		4.30	0.260	1.87	13.9	32.0	0.609	1010
GXR-6 Meas	0.20	14.0	244	1350	1.04	0.17	0.20	0.03	33.3	13.1	41	3.75	71.8	5.63	27.3		2.1	0.067	1.91	12.0	39.2	0.62	1040
GXR-6 Cert	1.30	17.7	330	1300	1.40	0.290	0.180	1.00	36.0	13.8	96.0	4.20	66.0	5.58	35.0		4.30	0.260	1.87	13.9	32.0	0.609	1010
GXR-6 Meas	0.22		245		1.21	0.19		0.08	35.4	13.8		4.08	72.6		22.3		2.0	0.079		12.6	39.3		
GXR-6 Cert	1.30		330		1.40	0.290		1.00	36.0	13.8		4.20	66.0		35.0		4.30	0.260		13.9	32.0		
GXR-6 Meas													71.2										
GXR-6 Cert													66.0										
OREAS 97 (4 Acid) Meas													> 10000										
OREAS 97 (4 Acid) Cert													63100.00										
OREAS 98 (4													> 10000										

Analyte Symbol	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn
Unit Symbol	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5
Method Code	TD-MS	TD-ICP	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-ICP
Acid) Meas																							
OREAS 98 (4 Acid) Cert													14800 0.0										
DNC-1a Meas				100						56.2	164		99.6		13.7					3.6	4.6		
DNC-1a Cert				118						57	270		100		15					3.6	5.2		
DNC-1a Meas				100						53.6	127		96.7		12.9					3.4	4.5		
DNC-1a Cert				118						57	270		100		15					3.6	5.2		
DNC-1a Meas				90						60.7	137		92.6		14.5					3.7	4.9		
DNC-1a Cert				118						57	270		100		15					3.6	5.2		
DNC-1a Meas													105										
DNC-1a Cert													100										
SBC-1 Meas			21.5	430	3.07	0.69		0.33	110	23.4	61	8.13	32.0		26.6		3.2			52.3	173		
SBC-1 Cert			25.7	788.0	3.20	0.70		0.40	108.0	22.7	109	8.2	31.0000		27.0		3.7			52.5	163		
SBC-1 Meas			21.0	370	3.15	0.69		0.36	106	21.7	76	7.83	31.9		25.5		3.4			49.5	173		
SBC-1 Cert			25.7	788.0	3.20	0.70		0.40	108.0	22.7	109	8.2	31.0000		27.0		3.7			52.5	163		
SBC-1 Meas			24.4	700	3.32	0.80		0.40	112	24.5	84	8.18	29.5		26.7		3.6			53.2	180		
SBC-1 Cert			25.7	788.0	3.20	0.70		0.40	108.0	22.7	109	8.2	31.0000		27.0		3.7			52.5	163		
SBC-1 Meas													33.9										
SBC-1 Cert													31.0000										
OREAS 45d (4-Acid) Meas		8.01	5.2	190	0.69	0.46	0.20		36.1	30.0	501	3.62	385	15.0	20.7		2.8	0.088	0.42	16.2	21.4	0.25	534
OREAS 45d (4-Acid) Cert		8.150	13.8	183.0	0.79	0.31	0.185		37.20	29.50	549	3.910	371	14.5	21.20		3.830	0.096	0.412	16.9	21.5	0.245	490.000
OREAS 45d (4-Acid) Meas		7.92	4.0	190	0.64	0.52	0.19		33.9	27.4	447	3.39	360	14.5	19.3		1.3	0.102	0.41	15.5	20.7	0.24	504
OREAS 45d (4-Acid) Cert		8.150	13.8	183.0	0.79	0.31	0.185		37.20	29.50	549	3.910	371	14.5	21.20		3.830	0.096	0.412	16.9	21.5	0.245	490.000
OREAS 45d (4-Acid) Meas		8.19	5.9	180	0.70	0.58	0.20		37.7	30.5	533	3.76	346	14.6	22.4		2.0	0.098	0.46	17.0	22.7	0.24	520
OREAS 45d (4-Acid) Cert		8.150	13.8	183.0	0.79	0.31	0.185		37.20	29.50	549	3.910	371	14.5	21.20		3.830	0.096	0.412	16.9	21.5	0.245	490.000
OREAS 45d (4-Acid) Meas													385										
OREAS 45d (4-Acid) Cert													371										
SdAR-M2 (U.S.G.S.) Meas				1040	6.75	1.02		5.45	100	13.9	33	1.68	243		14.8		1.9			44.9	19.3		
SdAR-M2 (U.S.G.S.) Cert				990	6.6	1.05		5.1	98.8	12.4	49.6	1.82	236.00 00		17.6		7.29			46.6	17.9		
SdAR-M2 (U.S.G.S.) Meas				1060	6.92	0.98		5.52	99.0	13.5	32	1.62	242		15.8		1.4			45.5	19.1		
SdAR-M2				990	6.6	1.05		5.1	98.8	12.4	49.6	1.82	236.00		17.6		7.29			46.6	17.9		

Analyte Symbol	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn
Unit Symbol	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5
Method Code	TD-MS	TD-ICP	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-ICP
(U.S.G.S.) Cert													00										
SdAR-M2 (U.S.G.S.) Meas				1050	6.97	1.15		5.45	97.8	14.0	37	1.70	260		11.7		2.2			45.2	19.1		
SdAR-M2 (U.S.G.S.) Cert				990	6.6	1.05		5.1	98.8	12.4	49.6	1.82	236.00 00		17.6		7.29			46.6	17.9		
OREAS 223 (Fire Assay) Meas																							
OREAS 223 (Fire Assay) Cert																							
OREAS 223 (Fire Assay) Meas																							
OREAS 223 (Fire Assay) Cert																							
OREAS 223 (Fire Assay) Meas																							
OREAS 223 (Fire Assay) Cert																							
OREAS 223 (Fire Assay) Meas																							
OREAS 223 (Fire Assay) Cert																							
OREAS 223 (Fire Assay) Meas																							
OREAS 223 (Fire Assay) Cert																							
OREAS 223 (Fire Assay) Meas																							
OREAS 223 (Fire Assay) Cert																							
OREAS 223 (Fire Assay) Meas																							
OREAS 223 (Fire Assay) Cert																							
OREAS 223 (Fire Assay) Meas																							
OREAS 223 (Fire Assay) Cert																							
OREAS 223 (Fire Assay) Meas																							
OREAS 223 (Fire Assay) Cert																							
OREAS 223 (Fire Assay) Meas																							
OREAS 223 (Fire Assay) Cert																							
OREAS 223 (Fire Assay) Meas																							
OREAS 223 (Fire Assay) Cert																							
OREAS 223 (Fire Assay) Meas																							
OREAS 223 (Fire Assay) Cert																							
OREAS 223 (Fire Assay) Meas																							

Analyte Symbol	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn
Unit Symbol	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5
Method Code	TD-MS	TD-ICP	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-ICP
OREAS 223 (Fire Assay) Cert																							
OREAS 223 (Fire Assay) Meas																							
OREAS 223 (Fire Assay) Cert																							
OREAS 223 (Fire Assay) Meas																							
OREAS 223 (Fire Assay) Cert																							
OREAS 218 Meas																							
OREAS 218 Cert																							
OREAS 218 Meas																							
OREAS 218 Cert																							
OREAS 218 Meas																							
OREAS 218 Cert																							
OREAS 218 Meas																							
OREAS 218 Cert																							
OREAS 218 Meas																							
OREAS 218 Cert																							
OREAS 218 Meas																							
OREAS 218 Cert																							
OREAS 218 Meas																							
OREAS 218 Cert																							
OREAS 218 Meas																							
OREAS 218 Cert																							
OREAS 218 Meas																							
OREAS 218 Cert																							
OREAS 218 Meas																							
OREAS 218 Cert																							
OREAS 218 Meas																							
OREAS 218 Cert																							
OREAS 218 Meas																							
OREAS 218 Cert																							
OREAS 218 Meas																							
OREAS 218 Cert																							
OREAS 218 Meas																							
OREAS 218 Cert																							
OREAS 96 (4 Acid) Meas													> 10000										
OREAS 96 (4 Acid) Cert													39300										

Analyte Symbol	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn
Unit Symbol	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5
Method Code	TD-MS	TD-ICP	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-ICP
OREAS 923 (4 Acid) Meas													4380										
OREAS 923 (4 Acid) Cert													4230										
404127 Orig	0.04	7.09	< 0.2	480	2.20	0.11	2.46	0.10	83.7	24.0	194	1.56		5.28	17.2	< 0.05	0.2	0.066	1.50	43.8	23.7	1.75	805
404127 Dup	< 0.01	7.07	< 0.2	480	1.61	0.11	2.47	0.09	84.9	24.9	209	1.58		5.33	17.7	< 0.05	2.4	0.068	1.51	44.2	24.1	1.76	816
404136 Orig																							
404136 Dup																							
404147 Orig																							
404147 Dup																							
404158 Orig																							
404158 Dup																							
404165 Orig	< 0.01	6.95	5.7	390	1.44	0.52	2.52	0.20	82.5	26.4	139	1.15		4.84	16.7	< 0.05	2.9	0.069	1.37	40.2	17.9	1.50	864
404165 Dup	< 0.01	6.92	6.0	390	1.46	0.59	2.50	0.17	79.3	25.0	179	1.13		4.78	16.6	< 0.05	3.9	0.066	1.34	38.4	17.8	1.49	844
404167 Orig	< 0.01	7.10	22.1	480	1.28	0.17	2.86	0.16	70.1	40.7	340	1.23	80.7	5.14	14.6	< 0.05	3.1	0.061	1.35	31.4	22.2	2.33	1190
404167 Dup	< 0.01	7.09	21.3	470	1.42	0.17	2.81	0.22	73.6	42.9	276	1.34	89.2	5.09	15.7	< 0.05	1.5	0.065	1.37	33.4	23.4	2.31	1210
404174 Orig																							
404174 Dup																							
404185 Orig																							
404185 Dup																							
404196 Orig																							
404196 Dup																							
404203 Orig	< 0.01	7.32	0.9	480	1.41	0.11	2.46	0.19	82.3	25.2	180	1.25	51.8	5.21	16.4	< 0.05	3.7	0.070	1.59	38.0	20.1	1.67	1190
404203 Dup	< 0.01	7.37	< 0.2	470	1.47	0.09	2.43	0.19	84.2	24.8	153	1.26	48.5	5.17	16.2	< 0.05	2.7	0.072	1.61	38.4	20.0	1.66	1200
404208 Orig	< 0.01	7.65	1.2	570	1.88	0.12	2.16	0.18	93.0	29.5	217	2.15	77.1	5.84	17.8	< 0.05	4.5	0.066	1.90	46.7	29.0	1.89	903
404208 Dup	< 0.01	7.72	1.5	570	1.83	0.12	2.17	0.23	99.6	29.7	221	2.22	78.4	5.89	18.8	< 0.05	5.2	0.072	1.91	50.2	29.8	1.91	914
404212 Orig																							
404212 Dup																							
404223 Orig																							
404223 Dup																							
404234 Orig																							
404234 Dup																							
404239 Orig	< 0.01	7.14	< 0.2	500	1.62	0.09	2.14	0.17	72.5	25.4	197	1.65	43.9	5.44	16.1	< 0.05	1.7	0.061	1.86	34.8	24.2	1.80	747
404239 Dup	< 0.01	7.23	< 0.2	500	1.69	0.10	2.13	0.19	77.1	26.8	206	1.72	45.9	5.53	16.5	< 0.05	2.5	0.073	1.88	36.7	25.0	1.82	761
404249 Orig	< 0.01	7.15	0.7	500	1.56	0.11	2.02	0.29	76.3	29.4	170	1.88	57.4	6.05	16.4	< 0.05	3.1	0.069	1.93	36.3	26.1	1.80	1120
404249 Dup	< 0.01	7.33	0.7	510	1.62	0.11	2.04	0.28	78.5	29.8	174	1.94	83.4	6.09	17.1	< 0.05	2.7	0.071	1.93	37.6	26.7	1.81	1120
404250 Orig																							
404250 Dup																							
404251 Orig	< 0.01	6.21	0.3	440	1.42	0.07	2.38	0.24	67.9	38.7	505	1.17	54.3	6.34	15.5	< 0.05	4.2	0.081	1.30	28.6	27.0	2.40	1150
404251 Dup	< 0.01	7.09	< 0.2	460	1.91	0.08	2.44	0.22	82.8	39.0	430	1.28	54.2	6.47	15.6	< 0.05	2.4	0.069	1.50	36.1	27.4	2.51	1130
404261 Orig																							
404261 Dup																							
404272 Orig																							

Analyte Symbol	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn
Unit Symbol	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5
Method Code	TD-MS	TD-ICP	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-ICP
404272 Dup																							
404278 Orig	< 0.01	6.62	< 0.2	470	1.42	0.10	2.20	0.17	74.5	30.1	339	1.38	46.2	5.84	14.3	< 0.05	2.9	0.063	1.49	33.9	24.4	2.05	948
404278 Dup	< 0.01	6.55	< 0.2	470	1.41	0.09	2.18	0.18	70.9	28.9	341	1.39	43.3	5.80	13.5	< 0.05	3.1	0.052	1.44	32.9	23.8	2.02	937
404288 Orig																							
404288 Dup																							
404299 Orig																							
404299 Dup																							
404303 Orig	< 0.01	6.93	< 0.2	510	1.48	0.08	2.03	0.22	75.6	27.9	364	1.67	49.0	6.01	17.2	< 0.05	3.2	0.069	1.46	36.0	24.0	1.98	782
404303 Dup	< 0.01	6.99	< 0.2	520	1.52	0.09	2.05	0.30	75.3	28.7	359	1.80	49.2	6.09	17.6	< 0.05	3.3	0.070	1.70	36.1	24.3	2.01	785
404310 Orig																							
404310 Dup																							
404321 Orig	< 0.01	6.45	< 0.2	410	1.34	0.06	2.50	0.17	75.1	30.1	488	0.94	38.4	6.10	15.3	< 0.05	1.5	0.061	1.21	33.6	18.7	2.19	1090
404321 Dup	< 0.01	6.55	< 0.2	420	1.41	0.05	2.55	0.13	73.8	30.6	489	0.97	36.1	6.23	15.2	< 0.05	0.3	0.077	1.23	32.6	18.9	2.23	1080
404326 Orig																							
404326 Dup																							
404337 Orig																							
404337 Dup																							
404341 Orig	< 0.01	6.27	0.6	470	1.46	0.06	2.08	0.14	57.4	28.0	392	1.27	40.0	6.40	16.0	0.19	4.8	0.092	1.26	27.6	22.1	2.18	935
404341 Dup	< 0.01	6.90	< 0.2	510	1.48	0.08	2.16	0.15	70.0	30.3	390	1.41		6.60	16.9	< 0.05	3.4	0.060	1.49	33.7	23.6	2.28	926
404348 Orig																							
404348 Dup																							
404364 Orig																							
404364 Dup																							
404368 Orig	< 0.01	7.25	5.1	480	1.26	0.10	1.79	0.11	62.4	26.2	183	1.48	57.5	5.78	16.4	< 0.05	3.2	0.060	1.61	28.8	21.9	1.90	1050
404368 Dup	< 0.01	7.34	4.1	480	1.35	0.10	1.76	0.13	64.5	26.3	173	1.51	53.4	5.75	16.3	< 0.05	3.1	0.065	1.61	29.3	21.7	1.89	1030
404371 Orig	0.02	6.78	0.7	430	1.23	0.09	1.96	0.19	70.0	21.9	156	0.95	40.7	5.00	14.9	< 0.05	0.1	0.063	1.32	31.1	16.4	1.56	933
404371 Dup	< 0.01	6.79	1.0	430	1.22	0.07	1.94	0.10	73.4	23.0	163	0.96	35.9	4.98	15.4	< 0.05	2.0	0.046	1.39	32.5	16.8	1.56	948
404375 Orig																							
404375 Dup																							
404386 Orig																							
404386 Dup																							
404402 Dup																							
404411 Orig	< 0.01	7.77	6.1	510	1.49	0.18	1.64	0.14	58.2	27.2	154	1.68	57.1	6.00	18.5	< 0.05	0.6	0.080	1.54	27.2	22.6	1.94	1180
404411 Dup	0.06	7.91	2.4	520	1.70	0.15	1.65	0.18	63.6	27.9	122	1.71	61.1	6.10	19.1	< 0.05	0.2	0.054	1.56	30.3	24.0	1.97	1170
404413 Orig																							
404413 Dup																							
404417 Orig	< 0.01	6.92	14.1	480	1.33	0.11	1.83	0.13	68.0	24.0	147	1.38	47.4	5.32	15.7	< 0.05	2.6	0.058	1.62	31.2	19.9	1.64	998
404417 Dup	0.03	7.08	15.3	480	1.47	0.12	1.82	0.11	69.8	24.7	125	1.49	47.4	5.35	16.6	< 0.05	0.2	0.055	1.51	31.9	20.9	1.63	973
404418 Orig	0.04	7.14	12.7	490	1.43	0.13	1.84	0.16	81.5	24.5	132	1.44	44.7	5.30	16.7	< 0.05	< 0.1	0.058	1.68	37.0	21.4	1.60	1010
404418 Dup	0.05	7.17	13.8	490	1.46	0.14	1.83	0.09	71.5	24.1	117	1.48	44.9	5.30	16.8	< 0.05	< 0.1	0.064	1.69	31.9	21.3	1.59	1020
404424 Orig																							
404424 Dup																							

Analyte Symbol	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn
Unit Symbol	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5
Method Code	TD-MS	TD-ICP	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-ICP
404440 Orig																							
404440 Dup																							
404451 Orig																							
404451 Dup																							
404456 Orig	< 0.01	6.98	3.0	430	1.19	0.11	2.07	0.17	68.6	25.4	159	1.31	52.4	5.66	16.2	< 0.05	3.0	0.050	1.43	31.4	18.7	1.72	1060
404456 Dup	< 0.01	7.02	4.7	440	1.26	0.10	2.06	0.15	68.4	24.4	157	1.32	52.9	5.66	15.6	< 0.05	3.0	0.070	1.46	30.8	18.5	1.72	1070
404458 Orig	< 0.01	6.84	1.5	500	1.41	0.09	1.85	0.09	63.3	19.4	105	1.45	41.9	4.57	15.6	< 0.05	2.2	0.066	1.74	30.2	21.8	1.34	758
404458 Dup	< 0.01	6.75	0.8	490	1.36	0.09	1.84	0.09	64.3	19.4	94	1.35	33.3	4.47	15.6	< 0.05	0.6	0.052	1.71	29.9	21.4	1.31	753
404462 Orig																							
404462 Dup																							
404463 Orig													61.9										
404463 Dup													61.9										
404478 Orig																							
404478 Dup																							
404489 Orig																							
404489 Dup																							
404494 Orig	< 0.01	7.04	1.0	510	1.88	0.13	1.86	0.21	74.3	32.3	338	2.72	89.7	7.28	18.2	< 0.05	3.0	0.091	1.65	44.4	30.7	2.18	934
404494 Dup	< 0.01	7.06	5.7	510	1.87	0.13	1.85	0.16	78.1	31.5	360	2.81	92.8	7.24	18.1	< 0.05	3.0	0.093	1.63	47.5	31.8	2.17	928
404499 Orig	< 0.01	6.95	< 0.2	500	1.56	0.08	2.28	0.07	69.0	25.1	316	1.60	41.6	5.74	16.6	< 0.05	1.5	0.066	1.62	33.0	25.3	1.88	859
404499 Dup	< 0.01	6.86	< 0.2	490	1.47	0.09	2.24	0.14	71.2	25.1	314	1.67	39.8	5.65	16.5	< 0.05	1.9	0.059	1.57	34.2	25.0	1.86	857
404500 Orig																							
404500 Dup																							
Method Blank	< 0.01	0.06	< 0.2	< 10	< 0.05	0.02	< 0.01	< 0.02	< 0.01	< 0.1		< 0.05	< 0.2	< 0.01	0.06	< 0.05	< 0.1	< 0.005	< 0.01	< 0.5	< 0.2	< 0.01	
Method Blank	< 0.01	0.04	< 0.2	< 10	< 0.05	< 0.01	< 0.01	< 0.02	0.03	< 0.1		< 0.05	< 0.2	< 0.01	0.06	< 0.05	< 0.1	< 0.005	< 0.01	< 0.5	< 0.2	< 0.01	
Method Blank	< 0.01	0.03	< 0.2	< 10	0.05	< 0.01	< 0.01	< 0.02	0.02	< 0.1		< 0.05	0.2	< 0.01	0.09	< 0.05	< 0.1	0.006	< 0.01	< 0.5	< 0.2	< 0.01	
Method Blank	< 0.01	0.04	< 0.2	< 10	< 0.05	< 0.01	< 0.01	< 0.02	0.06	< 0.1		< 0.05	< 0.2	< 0.01	0.08	< 0.05	< 0.1	< 0.005	< 0.01	< 0.5	< 0.2	< 0.01	
Method Blank	< 0.01	< 0.01	< 0.2	< 10	< 0.05	0.01	< 0.01	< 0.02	< 0.01	< 0.1		< 0.05	< 0.2	< 0.01	0.08	< 0.05	< 0.1	< 0.005	< 0.01	< 0.5	< 0.2	< 0.01	
Method Blank	< 0.01	< 0.01	< 0.2	< 10	< 0.05	< 0.01	< 0.01	< 0.02	< 0.01	< 0.1		< 0.05	< 0.2	< 0.01	0.06	< 0.05	< 0.1	< 0.005	< 0.01	< 0.5	< 0.2	< 0.01	
Method Blank	< 0.01	< 0.01	< 0.2	< 10	< 0.05	< 0.01	< 0.01	< 0.02	< 0.01	< 0.1		< 0.05	< 0.2	< 0.01	0.06	< 0.05	< 0.1	< 0.005	< 0.01	< 0.5	< 0.2	< 0.01	
Method Blank	< 0.01	< 0.01	< 0.2	< 10	< 0.05	< 0.01	< 0.01	< 0.02	< 0.01	< 0.1		< 0.05	< 0.2	< 0.01	0.10	< 0.05	< 0.1	< 0.005	< 0.01	< 0.5	< 0.2	< 0.01	
Method Blank	< 0.01	< 0.01	< 0.2	< 10	< 0.05	0.01	< 0.01	< 0.02	< 0.01	< 0.1		< 0.05	< 0.2	< 0.01	0.08	0.07	< 0.1	< 0.005	< 0.01	< 0.5	< 0.2	< 0.01	
Method Blank	< 0.01	0.04	< 0.2	< 10	< 0.05	0.01	< 0.01	< 0.02	< 0.01	< 0.1		< 0.05	< 0.2	< 0.01	0.08	0.06	< 0.1	0.009	< 0.01	< 0.5	< 0.2	< 0.01	
Method Blank	< 0.01	< 0.01	< 0.2	< 10	< 0.05	< 0.01	< 0.01	< 0.02	< 0.01	< 0.1		< 0.05	< 0.2	< 0.01	0.06	0.06	< 0.1	< 0.005	< 0.01	< 0.5	< 0.2	< 0.01	
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							

Analyte Symbol	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn
Unit Symbol	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5
Method Code	TD-MS	TD-ICP	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-ICP
Method Blank																						

Analyte Symbol	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y
Unit Symbol	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.05	0.01	0.1	0.2	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1	1	0.1	0.1
Method Code	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-ICP	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-MS	TD-MS
GXR-1 Meas	17.7	0.05	0.4	39.2	600	754	2.5		0.27	24.3	0.8	13	26.9	279	< 0.05	8.36	2.6	0.030	0.41	32.7	91	138	26.7
GXR-1 Cert	18.0	0.0520	0.800	41.0	650	730	14.0		0.257	122	1.58	16.6	54.0	275	0.175	13.0	2.44	0.036	0.390	34.9	80.0	164	32.0
GXR-1 Meas	17.0	0.05	0.4	38.5	580	758	2.5		0.26	19.3	0.9	13	25.8	281	< 0.05	7.49	2.6	0.028	0.41	40.2	87	142	26.6
GXR-1 Cert	18.0	0.0520	0.800	41.0	650	730	14.0		0.257	122	1.58	16.6	54.0	275	0.175	13.0	2.44	0.036	0.390	34.9	80.0	164	32.0
GXR-1 Meas	17.0	0.04	0.5	39.0	580	737	2.6		0.24	22.5	1.0	14	26.0	282	< 0.05	8.04	2.5	0.026	0.40	31.7	87	148	27.2
GXR-1 Cert	18.0	0.0520	0.800	41.0	650	730	14.0		0.257	122	1.58	16.6	54.0	275	0.175	13.0	2.44	0.036	0.390	34.9	80.0	164	32.0
GXR-1 Meas																							
GXR-1 Cert																							
DH-1a Meas																	850			2260			
DH-1a Cert																	910			2629			
DH-1a Meas																	858			2260			
DH-1a Cert																	910			2629			
DH-1a Meas																	927			2420			
DH-1a Cert																	910			2629			
GXR-4 Meas	342	0.51	9.2	39.7	1300	48.6	71.3		1.88	4.19	6.1	4	7.5	213	0.55	0.94	18.9	0.302	3.32	5.5	87	36.8	13.0
GXR-4 Cert	310	0.564	10.0	42.0	1200	52.0	160		1.77	4.80	7.70	5.60	5.60	221	0.790	0.970	22.5	0.29	3.20	6.20	87.0	30.8	14.0
GXR-4 Meas	317	0.50	9.5	36.7	1290	48.5	93.4		1.82	4.07	6.7	4	7.2	199	0.57	0.83	19.8	0.298	3.24	5.6	85	35.8	12.3
GXR-4 Cert	310	0.564	10.0	42.0	1200	52.0	160		1.77	4.80	7.70	5.60	5.60	221	0.790	0.970	22.5	0.29	3.20	6.20	87.0	30.8	14.0
GXR-4 Meas	312	0.51	9.1	38.1	1350	50.3	134		1.87	4.12	7.0	5	7.0	197	0.59	0.87	18.0	0.290	3.31	5.7	91	36.4	12.5
GXR-4 Cert	310	0.564	10.0	42.0	1200	52.0	160		1.77	4.80	7.70	5.60	5.60	221	0.790	0.970	22.5	0.29	3.20	6.20	87.0	30.8	14.0
GXR-4 Meas																							
GXR-4 Cert																							
SDC-1 Meas		1.47	1.1	33.6	560	22.9	79.9			< 0.05	11.7		1.4	163	< 0.05		9.4	0.399	0.62	2.4	75	< 0.1	
SDC-1 Cert		1.52	21.00	38.0	690	25.00	127.00			0.54	17.00		3.00	180.00	1.20		12.00	0.606	0.70	3.10	102.00	0.80	
SDC-1 Meas		1.47	< 0.1	33.6	520	23.7	98.8			< 0.05	14.6		0.3	167	< 0.05		12.0	0.139	0.64	3.2	42	< 0.1	
SDC-1 Cert		1.52	21.00	38.0	690	25.00	127.00			0.54	17.00		3.00	180.00	1.20		12.00	0.606	0.70	3.10	102.00	0.80	
SDC-1 Meas		1.48	< 0.1	34.3	540	25.9	118			< 0.05	14.8		0.4	175	< 0.05		12.6	0.198	0.68	3.8	56	< 0.1	
SDC-1 Cert		1.52	21.00	38.0	690	25.00	127.00			0.54	17.00		3.00	180.00	1.20		12.00	0.606	0.70	3.10	102.00	0.80	
SDC-1 Meas																							
SDC-1 Cert																							
GXR-6 Meas	0.23	0.10	0.2	24.0	340	101	79.7		0.02	0.13	25.8	< 1	0.5	40.9	< 0.05	< 0.05	5.3		2.25	1.4	133	< 0.1	11.8
GXR-6 Cert	2.40	0.104	7.50	27.0	350	101	90.0		0.0160	3.60	27.6	0.940	1.70	35.0	0.485	0.0180	5.30		2.20	1.54	186	1.90	14.0
GXR-6 Meas	0.78	0.10	0.1	23.1	330	96.6	75.2		0.02	0.48	24.9	< 1	1.2	39.6	< 0.05	< 0.05	5.1		2.15	1.4	127	< 0.1	11.8
GXR-6 Cert	2.40	0.104	7.50	27.0	350	101	90.0		0.0160	3.60	27.6	0.940	1.70	35.0	0.485	0.0180	5.30		2.20	1.54	186	1.90	14.0
GXR-6 Meas	0.56		< 0.1	24.9		105	76.7			0.65	26.3	< 1	0.9	39.5	< 0.05	< 0.05	5.3		2.36	1.5		< 0.1	12.1
GXR-6 Cert	2.40		7.50	27.0		101	90.0			3.60	27.6	0.940	1.70	35.0	0.485	0.0180	5.30		2.20	1.54		1.90	14.0
GXR-6 Meas																							
GXR-6 Cert																							
OREAS 97 (4 Acid) Meas																							
OREAS 97 (4 Acid) Cert																							
OREAS 98 (4																							

Analyte Symbol	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y
Unit Symbol	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.05	0.01	0.1	0.2	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1	1	0.1	0.1
Method Code	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-ICP	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-MS	TD-MS
Acid) Meas																							
OREAS 98 (4 Acid) Cert																							
DNC-1a Meas			1.5	264		5.7	3.3			0.61	30.5			137				0.295			139		15.2
DNC-1a Cert			3	247		6.3	5			0.96	31			144				0.29			148		18.0
DNC-1a Meas			1.5	252		5.8	3.2			0.53	29.4			136				0.291			138		15.2
DNC-1a Cert			3	247		6.3	5			0.96	31			144				0.29			148		18.0
DNC-1a Meas			1.4	275		7.5	3.4			0.24	31.4			149				0.259			137		16.3
DNC-1a Cert			3	247		6.3	5			0.96	31			144				0.29			148		18.0
DNC-1a Meas																							
DNC-1a Cert																							
SBC-1 Meas	2.29		10.3	87.0		35.5	127			1.01	19.1		3.5	187	0.59		16.1	0.521	0.95	5.8	216	1.5	31.7
SBC-1 Cert	2.40		15.3	82.8		35.0	147			1.01	20.0		3.3	178.0	1.10		15.8	0.51	0.89	5.76	220.0	1.60	36.5
SBC-1 Meas	2.22		13.9	81.8		35.1	140			0.90	20.1		3.5	177	0.76		16.0	0.530	0.95	5.8	210	1.7	30.2
SBC-1 Cert	2.40		15.3	82.8		35.0	147			1.01	20.0		3.3	178.0	1.10		15.8	0.51	0.89	5.76	220.0	1.60	36.5
SBC-1 Meas	2.40		14.0	93.1		38.8	146			0.98	20.9		3.8	186	0.66		17.4	0.489	1.02	6.1	215	1.9	32.6
SBC-1 Cert	2.40		15.3	82.8		35.0	147			1.01	20.0		3.3	178.0	1.10		15.8	0.51	0.89	5.76	220.0	1.60	36.5
SBC-1 Meas																							
SBC-1 Cert																							
OREAS 45d (4-Acid) Meas	0.21	0.09	0.1	231	340	22.6	39.1		0.05	< 0.05	46.1		0.4	31.1	< 0.05		14.6	0.299	0.30	2.8	153	< 0.1	10.2
OREAS 45d (4-Acid) Cert	2.500	0.101	14.50	231.0	420.000	21.8	42.1		0.049	0.82	49.30		2.78	31.30	1.02		14.5	0.773	0.27	2.63	235.0	1.62	9.53
OREAS 45d (4-Acid) Meas	0.13	0.09	< 0.1	216	320	20.5	37.0		0.04	< 0.05	47.8		0.3	28.8	< 0.05		14.5	0.194	0.27	3.2	106	< 0.1	9.9
OREAS 45d (4-Acid) Cert	2.500	0.101	14.50	231.0	420.000	21.8	42.1		0.049	0.82	49.30		2.78	31.30	1.02		14.5	0.773	0.27	2.63	235.0	1.62	9.53
OREAS 45d (4-Acid) Meas	0.16	0.09	< 0.1	243	350	22.7	39.6		0.04	< 0.05	51.2		0.6	31.8	< 0.05		15.7	0.198	0.28	2.8	120	< 0.1	11.1
OREAS 45d (4-Acid) Cert	2.500	0.101	14.50	231.0	420.000	21.8	42.1		0.049	0.82	49.30		2.78	31.30	1.02		14.5	0.773	0.27	2.63	235.0	1.62	9.53
OREAS 45d (4-Acid) Meas																							
OREAS 45d (4-Acid) Cert																							
SdAR-M2 (U.S.G.S.) Meas	12.1		2.8	51.4		784	123				3.3			141	0.08		13.4			2.3	25	0.2	23.7
SdAR-M2 (U.S.G.S.) Cert	13.3		26.2	48.8		808	149				4.1			144	1.8		14.2			2.53	25.2	2.8	32.7
SdAR-M2 (U.S.G.S.) Meas	11.6		3.4	49.8		762	98.9				3.4			140	0.10		14.5			2.4	25	0.5	24.3
SdAR-M2 (U.S.G.S.) Cert	13.3		26.2	48.8		808	149				4.1			144	1.8		14.2			2.53	25.2	2.8	32.7
SdAR-M2 (U.S.G.S.) Meas	12.0		2.8	52.8		812	126				3.7			139	0.07		14.7			2.5	27	0.3	24.0

Analyte Symbol	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y
Unit Symbol	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.05	0.01	0.1	0.2	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1	1	0.1	0.1
Method Code	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-ICP	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-MS	TD-MS
SdAR-M2 (U.S.G.S.) Cert	13.3		26.2	48.8		808	149				4.1			144	1.8		14.2			2.53	25.2	2.8	32.7
OREAS 223 (Fire Assay) Meas																							
OREAS 223 (Fire Assay) Cert																							
OREAS 223 (Fire Assay) Meas																							
OREAS 223 (Fire Assay) Cert																							
OREAS 223 (Fire Assay) Meas																							
OREAS 223 (Fire Assay) Cert																							
OREAS 223 (Fire Assay) Meas																							
OREAS 223 (Fire Assay) Cert																							
OREAS 223 (Fire Assay) Meas																							
OREAS 223 (Fire Assay) Cert																							
OREAS 223 (Fire Assay) Meas																							
OREAS 223 (Fire Assay) Cert																							
OREAS 223 (Fire Assay) Meas																							
OREAS 223 (Fire Assay) Cert																							
OREAS 223 (Fire Assay) Meas																							
OREAS 223 (Fire Assay) Cert																							
OREAS 223 (Fire Assay) Meas																							
OREAS 223 (Fire Assay) Cert																							
OREAS 223 (Fire Assay) Meas																							
OREAS 223 (Fire Assay) Cert																							
OREAS 223 (Fire Assay) Meas																							
OREAS 223 (Fire Assay) Cert																							
OREAS 223 (Fire Assay) Meas																							

Analyte Symbol	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y
Unit Symbol	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.05	0.01	0.1	0.2	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1	1	0.1	0.1
Method Code	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-ICP	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-MS	TD-MS
OREAS 223 (Fire Assay) Cert																							
OREAS 223 (Fire Assay) Meas																							
OREAS 223 (Fire Assay) Cert																							
OREAS 218 Meas																							
OREAS 218 Cert																							
OREAS 218 Meas																							
OREAS 218 Cert																							
OREAS 218 Meas																							
OREAS 218 Cert																							
OREAS 218 Meas																							
OREAS 218 Cert																							
OREAS 218 Meas																							
OREAS 218 Cert																							
OREAS 218 Meas																							
OREAS 218 Cert																							
OREAS 218 Meas																							
OREAS 218 Cert																							
OREAS 218 Meas																							
OREAS 218 Cert																							
OREAS 218 Meas																							
OREAS 218 Cert																							
OREAS 218 Meas																							
OREAS 218 Cert																							
OREAS 218 Meas																							
OREAS 218 Cert																							
OREAS 218 Meas																							
OREAS 218 Cert																							
OREAS 218 Meas																							
OREAS 218 Cert																							
OREAS 218 Meas																							
OREAS 218 Cert																							
OREAS 218 Meas																							
OREAS 218 Cert																							
OREAS 96 (4 Acid) Meas																							
OREAS 96 (4 Acid) Cert																							
OREAS 923 (4 Acid) Meas																							
OREAS 923 (4 Acid) Cert																							

Analyte Symbol	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y
Unit Symbol	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.05	0.01	0.1	0.2	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1	1	0.1	0.1
Method Code	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-ICP	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-MS	TD-MS
404127 Orig	< 0.05	2.01	< 0.1	74.3	880	11.7	55.4	< 0.002	< 0.01	< 0.05	20.1	< 1	0.2	259	< 0.05	< 0.05	8.9	0.131	0.33	1.8	47	< 0.1	21.4
404127 Dup	< 0.05	2.03	< 0.1	77.1	890	12.2	55.8	< 0.002	0.01	< 0.05	20.6	< 1	< 0.2	263	< 0.05	< 0.05	8.8	0.100	0.36	1.9	45	< 0.1	21.5
404136 Orig																							
404136 Dup																							
404147 Orig																							
404147 Dup																							
404158 Orig																							
404158 Dup																							
404165 Orig	< 0.05	2.03	0.2	70.8	840	12.8	44.9	< 0.002	< 0.01	< 0.05	23.7	< 1	0.4	244	< 0.05	< 0.05	8.9	0.115	0.28	1.9	42	0.1	24.0
404165 Dup	0.09	2.02	0.6	69.1	850	12.3	43.7	0.003	< 0.01	0.22	23.3	< 1	0.6	239	< 0.05	< 0.05	7.5	0.206	0.28	1.9	61	0.2	23.3
404167 Orig	< 0.05	2.07	< 0.1	237	780	10.8	46.4	< 0.002	< 0.01	< 0.05	24.9	< 1	0.4	253	< 0.05	< 0.05	6.8	0.138	0.29	1.3	58	< 0.1	20.2
404167 Dup	< 0.05	2.06	< 0.1	249	720	11.3	49.1	< 0.002	< 0.01	< 0.05	25.8	< 1	0.3	264	< 0.05	< 0.05	7.0	0.107	0.30	1.3	56	< 0.1	21.1
404174 Orig																							
404174 Dup																							
404185 Orig																							
404185 Dup																							
404196 Orig																							
404196 Dup																							
404203 Orig	0.07	2.15	1.4	66.2	1070	11.6	50.3	< 0.002	< 0.01	0.10	20.3	< 1	0.8	240	< 0.05	< 0.05	7.5	0.272	0.30	1.5	69	< 0.1	21.8
404203 Dup	0.07	2.15	0.1	66.4	1060	11.5	50.5	< 0.002	< 0.01	< 0.05	20.1	< 1	0.5	237	< 0.05	< 0.05	7.8	0.161	0.31	1.7	50	< 0.1	21.8
404208 Orig	0.13	2.10	4.4	90.9	1200	16.0	69.3	< 0.002	0.01	< 0.05	18.7	< 1	0.8	245	< 0.05	< 0.05	10.5	0.360	0.42	2.2	82	< 0.1	23.0
404208 Dup	0.23	2.11	6.5	94.4	1190	16.3	71.3	< 0.002	0.01	< 0.05	19.5	< 1	0.9	251	0.08	< 0.05	11.5	0.411	0.42	2.7	93	< 0.1	23.7
404212 Orig																							
404212 Dup																							
404223 Orig																							
404223 Dup																							
404234 Orig																							
404234 Dup																							
404239 Orig	< 0.05	1.90	< 0.1	77.9	620	12.7	58.9	< 0.002	< 0.01	< 0.05	18.5	< 1	< 0.2	175	< 0.05	< 0.05	8.6	0.085	0.37	2.0	37	< 0.1	20.5
404239 Dup	< 0.05	1.90	< 0.1	82.0	650	13.2	61.4	< 0.002	< 0.01	< 0.05	18.8	< 1	0.4	178	< 0.05	< 0.05	8.8	0.133	0.39	2.4	42	< 0.1	21.5
404249 Orig	0.48	1.85	0.3	80.8	800	14.4	63.5	< 0.002	< 0.01	0.06	18.8	< 1	1.0	169	< 0.05	< 0.05	8.9	0.257	0.42	1.9	73	< 0.1	20.6
404249 Dup	0.08	1.85	0.2	84.3	810	14.8	64.9	< 0.002	0.01	< 0.05	19.4	< 1	0.6	175	< 0.05	< 0.05	9.0	0.161	0.43	2.0	50	< 0.1	21.5
404250 Orig																							
404250 Dup																							
404251 Orig	0.13	1.76	2.7	150	890	10.0	24.8	< 0.002	< 0.01	< 0.05	19.0	< 1	0.6	165	0.06	< 0.05	7.5	0.393	0.29	1.5	103	< 0.1	19.6
404251 Dup	< 0.05	1.80	< 0.1	147	850	10.2	47.1	< 0.002	< 0.01	< 0.05	22.7	< 1	< 0.2	165	< 0.05	< 0.05	9.3	0.161	0.29	1.6	59	< 0.1	23.6
404261 Orig																							
404261 Dup																							
404272 Orig																							
404272 Dup																							
404278 Orig	0.10	1.80	0.1	115	740	11.4	49.0	< 0.002	< 0.01	< 0.05	19.2	< 1	0.5	173	< 0.05	< 0.05	7.4	0.236	0.32	2.0	58	< 0.1	21.3
404278 Dup	0.07	1.77	0.1	111	740	11.2	47.2	< 0.002	< 0.01	< 0.05	18.5	< 1	0.4	168	< 0.05	< 0.05	7.1	0.194	0.31	1.9	55	< 0.1	20.6

Analyte Symbol	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y
Unit Symbol	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.05	0.01	0.1	0.2	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1	1	0.1	0.1
Method Code	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-ICP	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-MS	TD-MS
404288 Orig																							
404288 Dup																							
404299 Orig																							
404299 Dup																							
404303 Orig	< 0.05	1.83	< 0.1	113	730	13.2	60.2	< 0.002	< 0.01	< 0.05	17.3	< 1	0.2	165	< 0.05	0.05	8.4	0.220	0.40	2.1	68	< 0.1	21.9
404303 Dup	< 0.05	1.86	< 0.1	115	730	13.4	59.0	< 0.002	0.01	< 0.05	18.5	< 1	0.2	168	< 0.05	< 0.05	8.4	0.139	0.40	2.2	51	< 0.1	22.0
404310 Orig																							
404310 Dup																							
404321 Orig	< 0.05	1.94	< 0.1	125	800	11.2	38.4	< 0.002	< 0.01	< 0.05	20.1	< 1	0.3	163	< 0.05	< 0.05	6.4	0.202	0.24	1.4	60	< 0.1	24.2
404321 Dup	< 0.05	1.98	< 0.1	124	800	10.9	38.4	< 0.002	< 0.01	< 0.05	20.1	< 1	< 0.2	163	< 0.05	< 0.05	6.3	0.164	0.24	1.4	52	< 0.1	24.5
404326 Orig																							
404326 Dup																							
404337 Orig																							
404337 Dup																							
404341 Orig	0.60	1.87	18.3	123	900	10.7	31.8	< 0.002	0.01	0.49	17.8	< 1	1.5	144	0.96	< 0.05	6.5	0.798	0.32	1.5	151	0.2	19.0
404341 Dup	0.05	1.92	< 0.1	134	810	11.1	52.3	< 0.002	0.01	< 0.05	19.3	< 1	0.2	162	< 0.05	< 0.05	7.6	0.206	0.34	2.0	67	< 0.1	22.3
404348 Orig																							
404348 Dup																							
404364 Orig																							
404364 Dup																							
404368 Orig	0.16	1.81	0.7	75.5	730	12.0	54.4	< 0.002	< 0.01	0.07	19.4	< 1	0.7	191	< 0.05	< 0.05	7.0	0.288	0.34	1.7	75	< 0.1	18.5
404368 Dup	0.07	1.81	0.2	75.5	700	12.0	54.6	< 0.002	< 0.01	< 0.05	18.8	< 1	0.6	183	< 0.05	< 0.05	7.5	0.237	0.34	1.7	65	< 0.1	18.1
404371 Orig	< 0.05	1.97	< 0.1	58.0	610	10.4	41.6	< 0.002	< 0.01	< 0.05	18.9	< 1	0.2	204	< 0.05	< 0.05	6.5	0.228	0.25	1.6	55	< 0.1	20.3
404371 Dup	< 0.05	1.97	< 0.1	58.0	670	10.5	41.4	< 0.002	< 0.01	< 0.05	17.5	< 1	0.3	199	< 0.05	< 0.05	7.5	0.110	0.26	1.6	37	< 0.1	20.2
404375 Orig																							
404375 Dup																							
404386 Orig																							
404386 Dup																							
404402 Dup																							
404411 Orig	< 0.05	1.63	< 0.1	76.6	630	12.6	62.0	< 0.002	< 0.01	< 0.05	20.9	< 1	< 0.2	169	< 0.05	< 0.05	6.9	0.195	0.35	2.1	69	< 0.1	21.2
404411 Dup	< 0.05	1.66	< 0.1	80.7	580	12.9	66.3	< 0.002	< 0.01	< 0.05	22.7	< 1	0.3	175	< 0.05	< 0.05	7.2	0.215	0.36	2.2	67	< 0.1	21.9
404413 Orig																							
404413 Dup																							
404417 Orig	< 0.05	1.88	< 0.1	64.7	670	14.5	50.0	< 0.002	< 0.01	< 0.05	18.2	< 1	0.3	185	< 0.05	< 0.05	7.4	0.148	0.31	1.8	43	< 0.1	20.8
404417 Dup	< 0.05	1.88	< 0.1	67.9	610	14.8	53.8	< 0.002	< 0.01	< 0.05	18.6	< 1	< 0.2	194	< 0.05	< 0.05	7.7	0.206	0.34	1.9	54	< 0.1	20.7
404418 Orig	< 0.05	1.89	< 0.1	64.5	660	13.2	55.2	< 0.002	< 0.01	< 0.05	18.8	< 1	0.2	201	< 0.05	< 0.05	8.3	0.279	0.34	2.0	68	< 0.1	21.7
404418 Dup	< 0.05	1.87	< 0.1	64.7	630	13.1	56.0	< 0.002	< 0.01	< 0.05	20.3	< 1	0.4	203	< 0.05	0.12	7.3	0.322	0.34	1.9	76	< 0.1	22.0
404424 Orig																							
404424 Dup																							
404440 Orig																							
404440 Dup																							
404451 Orig																							

Analyte Symbol	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y
Unit Symbol	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.05	0.01	0.1	0.2	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1	1	0.1	0.1
Method Code	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-ICP	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-MS	TD-MS
404451 Dup																							
404456 Orig	0.06	1.90	0.2	64.4	720	10.3	46.4	< 0.002	< 0.01	0.06	21.2	< 1	0.7	200	< 0.05	< 0.05	6.4	0.234	0.28	1.7	57	< 0.1	22.4
404456 Dup	0.07	1.91	0.4	62.5	720	10.4	44.4	< 0.002	< 0.01	0.07	20.7	< 1	0.5	195	< 0.05	< 0.05	6.3	0.233	0.29	1.6	57	< 0.1	22.4
404458 Orig	< 0.05	1.95	< 0.1	50.3	680	12.7	57.0	< 0.002	< 0.01	< 0.05	15.8	< 1	0.3	209	< 0.05	< 0.05	7.3	0.171	0.35	2.0	49	< 0.1	17.5
404458 Dup	< 0.05	1.93	< 0.1	46.2	630	12.1	55.2	< 0.002	< 0.01	< 0.05	15.6	< 1	0.2	208	< 0.05	< 0.05	8.0	0.203	0.34	2.0	57	< 0.1	17.7
404462 Orig																							
404462 Dup																							
404463 Orig																							
404463 Dup																							
404478 Orig																							
404478 Dup																							
404489 Orig																							
404489 Dup																							
404494 Orig	< 0.05	1.55	< 0.1	139	760	14.8	79.2	< 0.002	0.02	< 0.05	21.1	< 1	0.3	154	< 0.05	< 0.05	11.8	0.126	0.54	2.7	54	< 0.1	24.9
404494 Dup	0.17	1.54	0.1	135	750	15.1	79.8	< 0.002	0.02	< 0.05	21.1	< 1	0.3	157	< 0.05	< 0.05	11.9	0.149	0.52	2.8	59	< 0.1	25.1
404499 Orig	< 0.05	2.05	< 0.1	91.1	760	12.4	58.5	< 0.002	< 0.01	< 0.05	17.9	< 1	< 0.2	206	< 0.05	< 0.05	8.1	0.179	0.34	2.2	56	< 0.1	20.2
404499 Dup	< 0.05	2.03	< 0.1	89.8	780	12.2	59.3	< 0.002	0.01	< 0.05	17.6	< 1	< 0.2	207	< 0.05	< 0.05	8.1	0.184	0.38	2.0	58	< 0.1	20.2
404500 Orig																							
404500 Dup																							
Method Blank	0.05	< 0.01	< 0.1	< 0.2	< 10	< 0.5	< 0.1	< 0.002	< 0.01	< 0.05	< 0.1	< 1	0.2	< 0.2	< 0.05	< 0.05	< 0.2	< 0.005	< 0.02	< 0.1	< 1	< 0.1	< 0.1
Method Blank	0.06	< 0.01	< 0.1	< 0.2	< 10	< 0.5	< 0.1	< 0.002	< 0.01	< 0.05	< 0.1	< 1	0.2	< 0.2	< 0.05	< 0.05	< 0.2	< 0.005	< 0.02	< 0.1	< 1	< 0.1	< 0.1
Method Blank	0.08	< 0.01	< 0.1	< 0.2	< 10	< 0.5	< 0.1	< 0.002	< 0.01	< 0.05	< 0.1	< 1	0.3	0.2	< 0.05	< 0.05	< 0.2	< 0.005	< 0.02	< 0.1	< 1	< 0.1	< 0.1
Method Blank	0.06	< 0.01	< 0.1	< 0.2	< 10	< 0.5	< 0.1	< 0.002	< 0.01	< 0.05	< 0.1	< 1	0.2	< 0.2	< 0.05	< 0.05	< 0.2	< 0.005	< 0.02	< 0.1	< 1	< 0.1	< 0.1
Method Blank	< 0.05	< 0.01	< 0.1	< 0.2	< 10	< 0.5	< 0.1	< 0.002	< 0.01	< 0.05	< 0.1	< 1	0.3	0.2	< 0.05	< 0.05	< 0.2	< 0.005	< 0.02	< 0.1	< 1	< 0.1	< 0.1
Method Blank	< 0.05	< 0.01	< 0.1	< 0.2	< 10	< 0.5	< 0.1	< 0.002	< 0.01	< 0.05	< 0.1	< 1	1.0	< 0.2	< 0.05	< 0.05	< 0.2	< 0.005	< 0.02	< 0.1	< 1	< 0.1	< 0.1
Method Blank	< 0.05	< 0.01	< 0.1	< 0.2	< 10	< 0.5	< 0.1	< 0.002	< 0.01	< 0.05	< 0.1	< 1	0.2	< 0.2	< 0.05	< 0.05	< 0.2	< 0.005	< 0.02	< 0.1	< 1	< 0.1	< 0.1
Method Blank	< 0.05	< 0.01	< 0.1	< 0.2	< 10	< 0.5	< 0.1	< 0.002	< 0.01	< 0.05	< 0.1	< 1	0.3	< 0.2	< 0.05	< 0.05	< 0.2	< 0.005	< 0.02	< 0.1	< 1	< 0.1	< 0.1
Method Blank	0.08	< 0.01	< 0.1	< 0.2	< 10	< 0.5	< 0.1	< 0.002	< 0.01	< 0.05	< 0.1	< 1	< 0.2	< 0.2	< 0.05	< 0.05	< 0.2	< 0.005	< 0.02	< 0.1	< 1	< 0.1	< 0.1
Method Blank	0.05	< 0.01	< 0.1	< 0.2	< 10	< 0.5	< 0.1	< 0.002	< 0.01	< 0.05	< 0.1	< 1	< 0.2	< 0.2	< 0.05	< 0.05	< 0.2	< 0.005	< 0.02	< 0.1	< 1	< 0.1	< 0.1
Method Blank	0.06	< 0.01	< 0.1	< 0.2	< 10	< 0.5	< 0.1	< 0.002	< 0.01	< 0.05	< 0.1	< 1	< 0.2	< 0.2	< 0.05	< 0.05	< 0.2	< 0.005	< 0.02	< 0.1	< 1	< 0.1	< 0.1
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							

Analyte Symbol	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y
Unit Symbol	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.05	0.01	0.1	0.2	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1	1	0.1	0.1
Method Code	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-MS	TD-ICP	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-MS	TD-MS
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																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							

Analyte Symbol	Zn	Zr	Au
Unit Symbol	ppm	ppm	g/mt
Lower Limit	2	0.5	0.005
Method Code	TD-ICP	TD-MS	FA-AA
GXR-1 Meas	855	13.7	
GXR-1 Cert	760	38.0	
GXR-1 Meas	835	7.0	
GXR-1 Cert	760	38.0	
GXR-1 Meas	803	16.9	
GXR-1 Cert	760	38.0	
GXR-1 Meas			
GXR-1 Cert			
DH-1a Meas			
DH-1a Cert			
DH-1a Meas			
DH-1a Cert			
DH-1a Meas			
DH-1a Cert			
GXR-4 Meas	78	37.5	
GXR-4 Cert	73.0	186	
GXR-4 Meas	77	39.7	
GXR-4 Cert	73.0	186	
GXR-4 Meas	77	38.7	
GXR-4 Cert	73.0	186	
GXR-4 Meas			
GXR-4 Cert			
SDC-1 Meas	108	52.3	
SDC-1 Cert	103.00	290.00	
SDC-1 Meas	109	33.3	
SDC-1 Cert	103.00	290.00	
SDC-1 Meas	104	28.5	
SDC-1 Cert	103.00	290.00	
SDC-1 Meas			
SDC-1 Cert			
GXR-6 Meas	139	81.4	
GXR-6 Cert	118	110	
GXR-6 Meas	138	76.5	
GXR-6 Cert	118	110	
GXR-6 Meas		69.1	
GXR-6 Cert		110	
GXR-6 Meas			
GXR-6 Cert			
OREAS 97 (4 Acid) Meas			
OREAS 97 (4 Acid) Cert			
OREAS 98 (4			

Analyte Symbol	Zn	Zr	Au
Unit Symbol	ppm	ppm	g/mt
Lower Limit	2	0.5	0.005
Method Code	TD-ICP	TD-MS	FA-AA
Acid) Meas			
OREAS 98 (4 Acid) Cert			
DNC-1a Meas	61	36.6	
DNC-1a Cert	70	38.0	
DNC-1a Meas	61	37.5	
DNC-1a Cert	70	38.0	
DNC-1a Meas	57	39.1	
DNC-1a Cert	70	38.0	
DNC-1a Meas			
DNC-1a Cert			
SBC-1 Meas	193	123	
SBC-1 Cert	186	134.0	
SBC-1 Meas	193	123	
SBC-1 Cert	186	134.0	
SBC-1 Meas	189	128	
SBC-1 Cert	186	134.0	
SBC-1 Meas			
SBC-1 Cert			
OREAS 45d (4-Acid) Meas	53	109	
OREAS 45d (4-Acid) Cert	45.7	141	
OREAS 45d (4-Acid) Meas	47	55.2	
OREAS 45d (4-Acid) Cert	45.7	141	
OREAS 45d (4-Acid) Meas	48	76.5	
OREAS 45d (4-Acid) Cert	45.7	141	
OREAS 45d (4-Acid) Meas			
OREAS 45d (4-Acid) Cert			
SdAR-M2 (U.S.G.S.) Meas	877	88.1	
SdAR-M2 (U.S.G.S.) Cert	760	259	
SdAR-M2 (U.S.G.S.) Meas	880	69.7	
SdAR-M2 (U.S.G.S.) Cert	760	259	
SdAR-M2 (U.S.G.S.) Meas	849	90.5	

Analyte Symbol	Zn	Zr	Au
Unit Symbol	ppm	ppm	g/mt
Lower Limit	2	0.5	0.005
Method Code	TD-ICP	TD-MS	FA-AA
SdAR-M2 (U.S.G.S.) Cert	760	259	
OREAS 223 (Fire Assay) Meas			1.81
OREAS 223 (Fire Assay) Cert			1.78
OREAS 223 (Fire Assay) Meas			1.77
OREAS 223 (Fire Assay) Cert			1.78
OREAS 223 (Fire Assay) Meas			1.79
OREAS 223 (Fire Assay) Cert			1.78
OREAS 223 (Fire Assay) Meas			1.84
OREAS 223 (Fire Assay) Cert			1.78
OREAS 223 (Fire Assay) Meas			1.79
OREAS 223 (Fire Assay) Cert			1.78
OREAS 223 (Fire Assay) Meas			1.82
OREAS 223 (Fire Assay) Cert			1.78
OREAS 223 (Fire Assay) Meas			1.76
OREAS 223 (Fire Assay) Cert			1.78
OREAS 223 (Fire Assay) Meas			1.81
OREAS 223 (Fire Assay) Cert			1.78
OREAS 223 (Fire Assay) Meas			1.78
OREAS 223 (Fire Assay) Cert			1.78
OREAS 223 (Fire Assay) Meas			1.78
OREAS 223 (Fire Assay) Cert			1.74
OREAS 223 (Fire Assay) Meas			1.78
OREAS 223 (Fire Assay) Cert			1.77

Analyte Symbol	Zn	Zr	Au
Unit Symbol	ppm	ppm	g/mt
Lower Limit	2	0.5	0.005
Method Code	TD-ICP	TD-MS	FA-AA
OREAS 223 (Fire Assay) Cert			1.78
OREAS 223 (Fire Assay) Meas			1.76
OREAS 223 (Fire Assay) Cert			1.78
OREAS 218 Meas			0.551
OREAS 218 Cert			0.531
OREAS 218 Meas			0.541
OREAS 218 Cert			0.531
OREAS 218 Meas			0.533
OREAS 218 Cert			0.531
OREAS 218 Meas			0.520
OREAS 218 Cert			0.531
OREAS 218 Meas			0.534
OREAS 218 Cert			0.531
OREAS 218 Meas			0.544
OREAS 218 Cert			0.531
OREAS 218 Meas			0.555
OREAS 218 Cert			0.531
OREAS 218 Meas			0.547
OREAS 218 Cert			0.531
OREAS 218 Meas			0.545
OREAS 218 Cert			0.531
OREAS 218 Meas			0.546
OREAS 218 Cert			0.531
OREAS 218 Meas			0.550
OREAS 218 Cert			0.531
OREAS 218 Meas			0.557
OREAS 218 Cert			0.531
OREAS 218 Meas			0.563
OREAS 218 Cert			0.531
OREAS 218 Meas			0.546
OREAS 218 Cert			0.531
OREAS 218 Meas			0.540
OREAS 218 Cert			0.531
OREAS 96 (4 Acid) Meas			
OREAS 96 (4 Acid) Cert			
OREAS 923 (4 Acid) Meas			
OREAS 923 (4 Acid) Cert			

Analyte Symbol	Zn	Zr	Au
Unit Symbol	ppm	ppm	g/mt
Lower Limit	2	0.5	0.005
Method Code	TD-ICP	TD-MS	FA-AA
404127 Orig	81	10.2	
404127 Dup	83	108	
404136 Orig			0.028
404136 Dup			< 0.005
404147 Orig			0.036
404147 Dup			0.034
404158 Orig			< 0.005
404158 Dup			0.006
404165 Orig	78	113	
404165 Dup	78	150	
404167 Orig	74	124	
404167 Dup	75	70.5	
404174 Orig			< 0.005
404174 Dup			< 0.005
404185 Orig			0.010
404185 Dup			0.006
404196 Orig			< 0.005
404196 Dup			< 0.005
404203 Orig	79	141	
404203 Dup	78	111	
404208 Orig	107	175	
404208 Dup	107	206	
404212 Orig			< 0.005
404212 Dup			< 0.005
404223 Orig			< 0.005
404223 Dup			< 0.005
404234 Orig			0.007
404234 Dup			< 0.005
404239 Orig	97	77.8	
404239 Dup	98	101	
404249 Orig	108	111	
404249 Dup	107	101	
404250 Orig			0.009
404250 Dup			< 0.005
404251 Orig	85	162	
404251 Dup	94	105	
404261 Orig			< 0.005
404261 Dup			0.008
404272 Orig			0.006
404272 Dup			< 0.005
404278 Orig	98	109	
404278 Dup	95	119	

Analyte Symbol	Zn	Zr	Au
Unit Symbol	ppm	ppm	g/mt
Lower Limit	2	0.5	0.005
Method Code	TD-ICP	TD-MS	FA-AA
404288 Orig			< 0.005
404288 Dup			< 0.005
404299 Orig			0.058
404299 Dup			0.007
404303 Orig	115	135	
404303 Dup	115	134	
404310 Orig			< 0.005
404310 Dup			< 0.005
404321 Orig	95	91.0	
404321 Dup	93	30.2	
404326 Orig			< 0.005
404326 Dup			< 0.005
404337 Orig			< 0.005
404337 Dup			< 0.005
404341 Orig	106	185	
404341 Dup	110	144	
404348 Orig			< 0.005
404348 Dup			< 0.005
404364 Orig			0.041
404364 Dup			0.040
404368 Orig	94	127	
404368 Dup	95	122	
404371 Orig	77	12.2	
404371 Dup	77	91.3	
404375 Orig			0.013
404375 Dup			0.015
404386 Orig			0.016
404386 Dup			0.009
404402 Dup			0.121
404411 Orig	107	53.4	
404411 Dup	109	12.5	
404413 Orig			0.286
404413 Dup			0.249
404417 Orig	91	107	
404417 Dup	91	20.1	
404418 Orig	96	11.3	
404418 Dup	97	5.6	
404424 Orig			0.020
404424 Dup			0.009
404440 Orig			0.005
404440 Dup			< 0.005
404451 Orig			0.006

Analyte Symbol	Zn	Zr	Au
Unit Symbol	ppm	ppm	g/mt
Lower Limit	2	0.5	0.005
Method Code	TD-ICP	TD-MS	FA-AA
404451 Dup			0.006
404456 Orig	109	114	
404456 Dup	92	114	
404458 Orig	81	108	
404458 Dup	79	45.5	
404462 Orig			0.010
404462 Dup			0.008
404463 Orig			
404463 Dup			
404478 Orig			0.008
404478 Dup			< 0.005
404489 Orig			0.008
404489 Dup			0.006
404494 Orig	141	119	
404494 Dup	134	122	
404499 Orig	98	84.6	
404499 Dup	98	96.1	
404500 Orig			< 0.005
404500 Dup			< 0.005
Method Blank	< 2	0.5	
Method Blank	< 2	< 0.5	
Method Blank	< 2	0.5	
Method Blank	< 2	< 0.5	
Method Blank	< 2	0.9	
Method Blank	< 2	< 0.5	
Method Blank	< 2	< 0.5	
Method Blank	< 2	< 0.5	
Method Blank	< 2	< 0.5	
Method Blank	< 2	< 0.5	
Method Blank			< 0.005
Method Blank			< 0.005
Method Blank			< 0.005
Method Blank			< 0.005
Method Blank			< 0.005
Method Blank			< 0.005
Method Blank			< 0.005
Method Blank			< 0.005
Method Blank			< 0.005
Method Blank			< 0.005
Method Blank			< 0.005

Analyte Symbol	Zn	Zr	Au
Unit Symbol	ppm	ppm	g/mt
Lower Limit	2	0.5	0.005
Method Code	TD-ICP	TD-MS	FA-AA
Method Blank			< 0.005
Method Blank			< 0.005
Method Blank			< 0.005
Method Blank			< 0.005
Method Blank			< 0.005
Method Blank			< 0.005
Method Blank			< 0.005
Method Blank			< 0.005
Method Blank			< 0.005
Method Blank			< 0.005
Method Blank			< 0.005
Method Blank			< 0.005
Method Blank			< 0.005
Method Blank			< 0.005
Method Blank			< 0.005
Method Blank			< 0.005
Method Blank			< 0.005
Method Blank			< 0.005
Method Blank			
Method Blank			
Method Blank			
Method Blank			