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2016 Bedrock Lithogeochemistry and

2017 Diamond Drilling program

On the Mavis Lake-Fairservice Lithium Property

Dryden Area

Brownridge Township, Kenora Mining District

Northwestern Ontario NTS Map Sheet 52F/15E

Prepared For: International Lithium Corp.

August 2017

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1. SUMMARY

The Mavis Lake and Fairservice Lithium properties consist of 13 contiguous claims (160 claim units, totalling 2,544 ha) and 6 contiguous mining leases (totalling 88.4 ha)("**Project**") within the Brownridge Township. The Project is located approximately 19 km east-northeast of Dryden in northwestern Ontario.

The purpose of this report is to document the exploration activities performed on the Project for work assessment filing.

This report documents the historical work, geology, mineralogy, deposit type including the details and results from the 2016 continuous reading ground magnetic survey on the Project. The 2016 mag survey was conducted to determine if non-magnetic pegmatites emplaced within the host mafic volcanic rock units could be identified and assist in drill targeting buried or hidden pegmatites.

In a regional geological context, the Mavis Lake and Fairservice properties lie within a 2733 to 2706 Ma collisional tectonic zone known as the Sioux Lookout Domain in the western Wabigoon Subprovince that evolved during the Kenoran orogeny. The 150 by 900 km Wabigoon Subprovince is a granite-greenstone terrane and comprises meta-volcanic and subordinate meta-sedimentary rocks, ranging in age from 3.0 Ga to 2.71 Ga, and intruded by 3.0 to 2.69 Ga granitoid batholiths, gabbroic sills and stocks.

The rare-metal mineralization is predominantly contained within the 1.8-3 by 8 km Mavis Lake Pegmatite Group, that comprises a swarm of rare-element class granitic pegmatites and associated metasomatic zones genetically related to the 2685 Ma, S-type, peraluminous, and fertile Ghost Lake Batholith. Strong mineralogical zonation of pegmatite types has been documented with increasing eastward distance from this parental granite: beryl-bearing pegmatitic granite units in the Ghost Lake Batholith—external beryl-type pegmatite zone—albite-spodumene-type pegmatite zone—albite-type pegmatite zone. The rare-metal granitic pegmatites in the Project area belong to the LCT-geochemical family (Lithium-Caesium-Tantalum).

Twenty LCT granitic pegmatites have been historically catalogued at the Project. The pegmatites vary in strike length from 11 to >240m and range in thickness from 0.3 to >12m. These bodies are mainly hosted in the 2733 Ma Brownridge mixed felsic-mafic meta-volcanic unit of the Neepawa group that is intensely deformed by at least 4 folding events that culminated with development of a regional shear zone (Wabigoon fault) and metamorphism to middle amphibolite grade.

Historical exploration for rare-metals focused upon the lithium potential of the albite-spodumene-type pegmatites and tantalum potential in the albite-type pegmatites situated on the Mavis Lake property and adjacent Fairservice property. The latter property contains a resource of 500,000 tons averaging 1.0 wt. % Li_2O (Storey 1990, p. 153). This is a historical resource not compliant to NI43-101 standards and should not be relied upon. The author did not review the methods of calculating this resource.

The initial discovery of rare-metal mineralization occurred in the mid 1950's related to a boom in the lithium demand owing to the US atomic energy program. Most surface exposures of spodumene pegmatites were found during this period. Subsequent exploration focused upon tantalum spurred by high technology applications during the early 1980's and 1997 to 2001. In recent times there has been a surge in interest in lithium, due to advancement in lithium-ion technology and is the commodity of chief interest in the company's exploration program.

The rare-metal pegmatites are associated with a significant lithium lithogeochemical anomaly at least 7 km in strike length and widths of 100 to 700 m. Exploration during the 2009 program extended this anomaly 1.1 km further to the northeast.

The highest lithium values on the Mavis Lake and Fairservice properties occur in albite-spodumene-type pegmatites. One example is a composite channel sample that was taken across part of Pegmatite 18 (documented in 2009 by TNR Gold Corp.) which returned Li_2O values up to 1.22 wt. % over 5.3 m. Numerous grab samples with elevated tantalum, cesium and rubidium were encountered in sodic aplite and albitite dykes within a 500 by 800 m area of the albite-type pegmatite zone. The highest values for Ta_2O_5 (1349 ppm), Rb_2O (1.0 wt. %) and Cs_2O (1537 ppm) were encountered in these high sodium units (6 to 10.5 wt. % Na_2O). The eastern and south-eastern limits of the rare-metal mineralization associated with albite-type pegmatites on the Mavis Lake Property remain open to the east and southeast.

2. INTRODUCTION AND TERMS OF REFERENCE

This Report has been prepared for International Lithium Corporation of Vancouver, BC, and is presenting work performed on their 100 % owned Mavis Lake and Fairservice properties. The report is designed to suit a format for assessment report filing, with sections and content partly derived from the 2012 Assessment Report written and edited by John Harrop, Patrick McLaughlin, and Melanie Mercier; and previous Company assessment reports.

This Report serves to present the historical work, geology, mineralogy, deposit type and includes work performed in 2016 and 2017. The supervision of the geophysical survey was conducted by Coast Mountain Geological Ltd. (“CMG”), a BC registered mineral exploration consulting company in conjunction with International Lithium Corporation.

This Assessment Report is written Patrick McLaughlin utilizing sources of information from reports listed in the References.

2.1 ABBREVIATIONS AND UNITS

Confusion can result from the various ways that lithium and other rare metal quantities and concentrations have been reported in scientific and business publications. In this report, rare metals (lithium, tantalum, cesium, rubidium etc.) are reported as elemental metal quantities and converted to oxides by using their respective conversion factors (Table 1). All references to dollars are in Canadian dollars (cdn$) unless otherwise indicated. Abbreviations and SI units used are those commonly referred to in scientific literature (Table 2).

Table 1: Conversion Factors - ppm rare element to weight % rare element oxide

Weight % rare element	Conversion	Weight % rare element oxide
Beryllium (e.g., 0.50 % Be)	2.778	0.50 % x 2.778 = 1.39 % BeO
Lithium (e.g., 2.55 % Li)	2.152	2.55 % x 2.152 = 5.49 % Li_2O
Niobium (e.g., 325 ppm Nb)	1.431	325 ppm = 0.0325 % x 1.431 = 0.0465 wt. % Nb_2O_5
Tantalum (e.g., 755 ppm Ta)	1.221	755 ppm = 0.0755 % x 1.221 = 0.092 wt. % Ta_2O_5
Cesium (e.g., 500 ppm Cs)	1.06	500 ppm = 0.05 x 1.060 = 0.053 wt. % Cs_2O
Rubidium (e.g., 15000 ppm = 1.5 % Rb)	1.099	1.5% x 1.099 = 1.65 wt. % Rb_2O

Table 2: Abbreviations and SI units used in this report

Abbrev.	Long Form	Notes
Be	Beryllium	Alkaline earth
Bi	Bismuth	
Cs	Cesium	Alkali metal
Cs_2O	Cesium Oxide	
Cu	Copper	
K	Potassium	Alkali metal
Li	Lithium	Alkali metal
Li_2CO_3	Lithium Carbonate	
Li2O	Lithium Oxide	
Mo	Molybdenum	
Na_2O	Sodium Oxide	
Nb	Niobium	Transition metal

Nb_2O_5	Niobium pentoxide	
Rb	Rubidium	Alkali metal
Rb_2O	Rubidium Oxide	
Ta	Tantalum	Transition metal
Ta_2O_5	Tantalum pentoxide	
REEs	Rare earth elements	***Lanthanides Series:*** La, Ce, Pr, Nd, Pm, Sm,Eu, Gd, Tb, Dy, Ho, Er, Tm, Yb, Lu; Yttrium (Y) and Scandium (Sc) are not part of this series but generally included with the REEs due to geochemical similarity
Ga	Billion years	Widely used abbreviation in geochronology
Ma	Million years	Widely used abbreviation in geochronology
SI Units		
ppb	Parts per billion	
ppm	Parts per million	
T	Tonne (long)	1 long tonne equals to 1,016.046 kg
kg	Kilogram	1 kg equals to 2.204 lbs (pounds)
g	Gram	31.103 476 grams equals to 1 troy ounce
km	Kilometre	1 km equals to 0.621371 mile
m	Metre	1 m equals to 3.280 feet
cm	Centimetre	2.54 cm equals to 1 inch
mm	Millimetre	25.4 mm equals to 1 inch
ha	Hectare	1 ha equals to 2.471054 acres
16 ha	16 Hectares=1 claim unit	16 ha equals to 1 claim unit
wt. %	Weight percent	

2.2 GRANITIC PEGMATITE MINERALS

Pegmatite is a common igneous plutonic rock of variable texture and crystal size ranging from a few cm and to 1 m and up in length. The word pegmatite refers to a rock of granite composition consisting of common granite minerals such as quartz, feldspar (K, Na) and micas, and economically important minerals containing Li, Ta, Nb, and REEs, including radioactive ones, together with tin and tungsten (Table 3). Pegmatites also commonly contain pneumatolitic and hydrothermal minerals, such as tourmaline, cassiterite, fluorite, apatite, etc...

Table 3: List of common granitic pegmatite minerals found in Ontario

Mineral	Simplified Composition	Chemical Formula
Amblygonite- Montebrasite series	Li-phosphate	$LiAlPO_4(F,OH)$
Andalusite (usually in sedimentary host rock)	Aluminosilicate	Al_2SiO_5
Apatite(Fluor/Chlor)	F/Cl-apatite	$Ca_2(PO_4)_3(F,OH)/Ca_5(PO_4)_3Cl$
Beryl	Be-silicate	$Be_3Al_2Si_6O_{18}$
Cassiterite	Sn-oxide	SnO_2
Columbite-tantalite	Fe/Mn,Nb-oxide	$FeNb_2O_6/MnNb_2O_6$
group	Fe/Mn,Ta-oxide	$FeTa_2O_6/MnTa_2O_6$
Feldspars	Na-plagioclase (albite)	$NaAlSi_3O_8$
	K-feldspar (microcline)	$KAlSi_3O_8$
Holmquistite (usually in mafic volcanic host rock)	Li-amphibole	$Li_2(Mg,Fe^{2+})_3Al_2Si_8O_{22}(OH)_2$
Garnet (many varieties)	Fe-garnet (almandine)	$Fe_3Al_2(SiO_4)_3$
	Mn-garnet (spessartine)	$Mn_3Al_2(SiO_4)_3$
	Ca/Mg-garnets	
Mica (many varieties)	Muscovite	$KAl_2(Si_3Al)O_{10}(OH,F)_2$
	Li-mica (Lepidolite)	$K(Li,Al)_3(Si,Al)_4O_{10}(F,OH)_2$
	Biotite	$K(Mg,Fe^{2+})_3(Al,Fe^{3+})Si_3O_{10}(OH,F)_2$
	Mg-biotite (Phlogopite)	$KMg_3(AlSi_3)O_{10}(F,OH)_2$
Molybdenite	Mo-sulphide	MoS_2
Petalite	Li-aluminosilicate	$LiAlSi_4O_{10}$
Pollucite	Cs-aluminosilicate	$(Cs,Na)AlSi_2O_6.nH_2O$
Quartz		SiO_2
Spodumene	Li-aluminosilicate	$LiAlSi_2O_6$
Tourmaline (many varieties)	Na,Fe/Na,Mg/Na,Li/Ca,Li-tourmaline	
Wodginite group	Mn,Fe,Sn,Ta-oxide	$(Mn, Fe)SnTa_2O_8$
Zircon	Zr-silicate	$ZrSiO_4$

3. PROPERTY DESCRIPTION AND LOCATION

The Mavis Lake/Fairservice Property is located south and east of Mavis Lake within the Brownridge Township, approximately 19 km by road to the east-northeast of Dryden, northwestern Ontario. The property occurs within the Kenora Mining District, as part of the National Topographic System (NTS) map sheet 52F/15E (Figure 1). The property is centered approximately at 526 500mE/5 520 200mN UTM coordinates (Zone 15N, NAD83). The Mavis Lake/Fairservice Property is made of the Mavis Lake unpatented mining claims and the Fairservice mining leases. The property hosts known rare-element mineral occurrences but yet no developed prospects. Pertinent claim and mining lease information is shown in Figure 2, and also given in Table 4 and Table 5 below.

The Mavis Lake claim block consists of 13 contiguous unpatented claims (160 claim units), totalling 2,544 ha (Figure 2**.** and Table 4). The Fairservice Property consists of 6 contiguous patented mining leases, totalling 88.4 ha (Figure 2 and Table 5). TNR Gold Corporation acquired 100 % interest in the Mavis Lake property in 2009 by staking claims in two stages.

The property is subject to an option agreement announced June 22, 2016 (“Mavis Option”), whereby Pioneer Resources Ltd. can earn up to an 80% interest in ILC’s 100% owned Mavis Lake claims including the Fairservice patented mining leases and subsequently included under a mutual area of interest covenant the 3 Mavis West claims (all combined as the “Mavis Lithium Project”). The Mavis Lake and Fairservice Properties are now 100% owned by International Lithium Corporation.

The key terms of the Mavis Option:

- Pioneer may earn an initial 51% interest in the Project by expending CAN$1.5 million on exploration activities within three years and paying to ILC a total of CAN$375,000 in cash and shares 50/50 over the same three years (the “First Earn-in”).
- Following the First Earn-in, ILC will be granted a 1.5% Net Smelter Return royalty (“NSR”), purchasable at any time for CAN$1.5 million.
- Pioneer will then be granted, if they choose, a Second Option where they can earn an additional 29% through expending CAN$8.5 million within seven years (total CAN$10 million over ten years). Thereafter the Parties will contribute on a pro-rata basis. If either Party dilutes to 15% Project Equity, their interest is converted to a 1.5% NSR.

The property is not subject to any underlying royalties, back-in rights, payments or other agreements and encumbrances. The eastern boundary of the Mavis Lake Property is bound by Lola Lake Provincial Reserve, which was regulated in 1985 from a Provincial Park to a nature reserve class park. The claims have not been legally surveyed. The Government of Ontario owns the surface rights.

Table 4: Mavis Lake claims information

Mining Claim Number	No. of 16 ha Units	*Area (ha)*	*Township*	*Map Sheet*	Effective Date	Anniversary Date	Assessment Required
4208712	*12*	*192*	*Brownridge*	52F/15E	2009-04-09	2018-04-09	$4800
4208713	*4*	*64*	*Brownridge*	52F/15E	2009-04-09	2018-04-09	$1600
4208714	*16*	*256*	*Brownridge*	52F/15E	2009-04-09	2018-04-09	$6400
4251131	*8*	*128*	*Brownridge*	52F/15E	2009-09-08	2017-09-08	$3200
4251132	*12*	*192*	*Brownridge*	52F/15E	2009-09-08	2017-09-08	$4800
4251133	*12*	*192*	*Brownridge*	52F/15E	2009-09-08	2017-09-08	$4800
4251134	*16*	*256*	*Brownridge*	52F/15E	2009-09-08	2017-09-08	$6400
4251135	*10*	*160*	*Brownridge*	52F/15E	2009-09-08	2017-09-08	$4000
4251136	*16*	*256*	*Brownridge*	52F/15E	2009-09-08	2017-09-08	$6400
4251137	*16*	*256*	*Brownridge*	52F/15E	2009-09-08	2017-09-08	$6400
4251138	*12*	*192*	*Brownridge*	52F/15E	2009-09-08	2017-09-08	$4800
4251139	*14*	*224*	*Brownridge*	52F/15E	2009-09-08	2017-09-08	$5600
4251140	*12*	*192*	*Brownridge*	52F/15E	2009-09-08	2017-09-08	$4800
TOTAL	***160***	***2,544***					***$64,000***

Table 5; Fairservice mining lease information

Mining Lease Number	Area (ha)	Township	Map Sheet	Anniversary Date
K489140	18.535	Brownridge	52F/15E	31/05/2032
K498288	13.488	Brownridge	52F/15E	31/05/2032
K498289	10.392	Brownridge	52F/15E	31/05/2032
K498290	13.326	Brownridge	52F/15E	31/05/2032
K498292	19.506	Brownridge	52F/15E	31/05/2032
K498308	13.189	Brownridge	52F/15E	31/05/2032

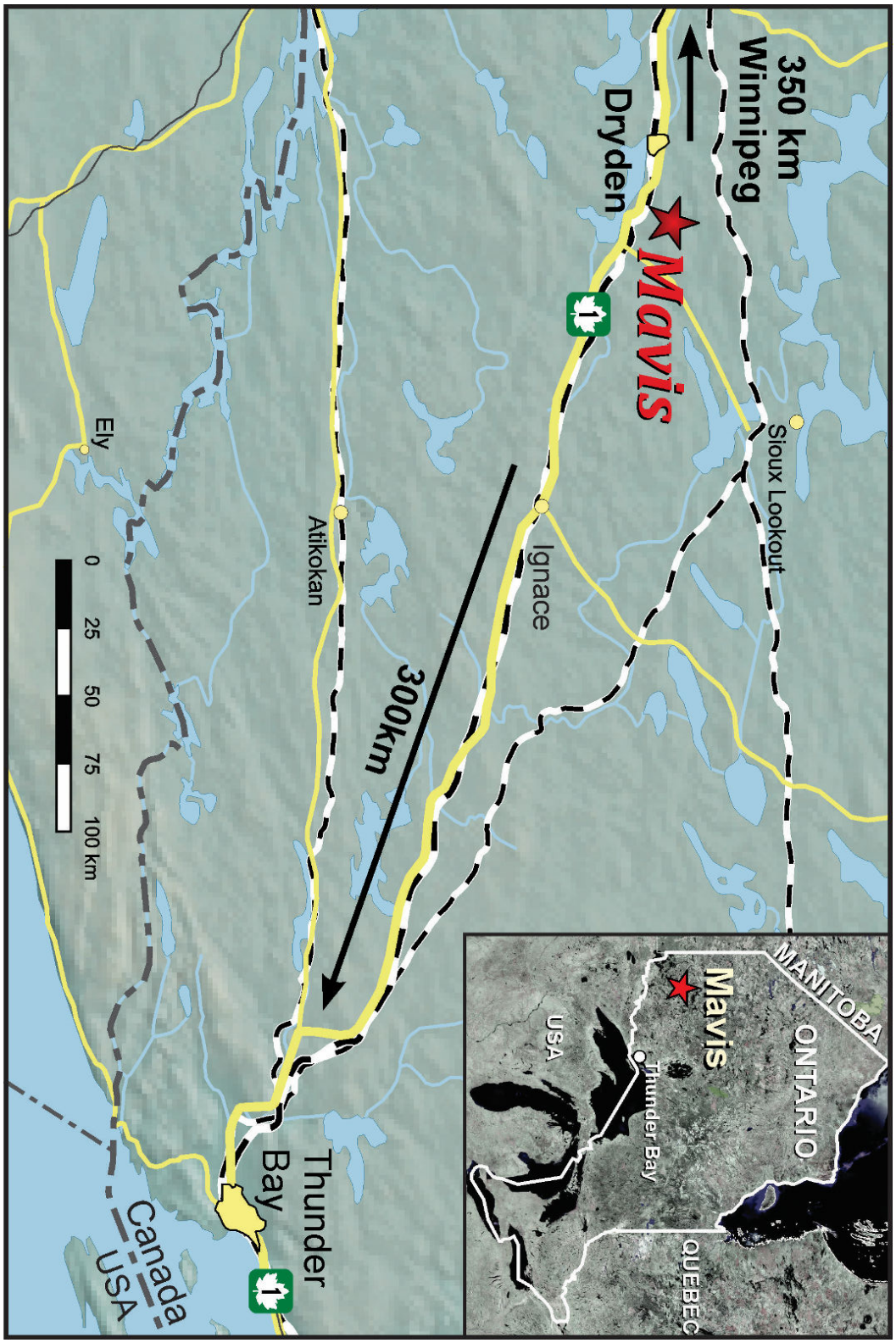


Figure 1: The Mavis Lake-Fairservice project location map

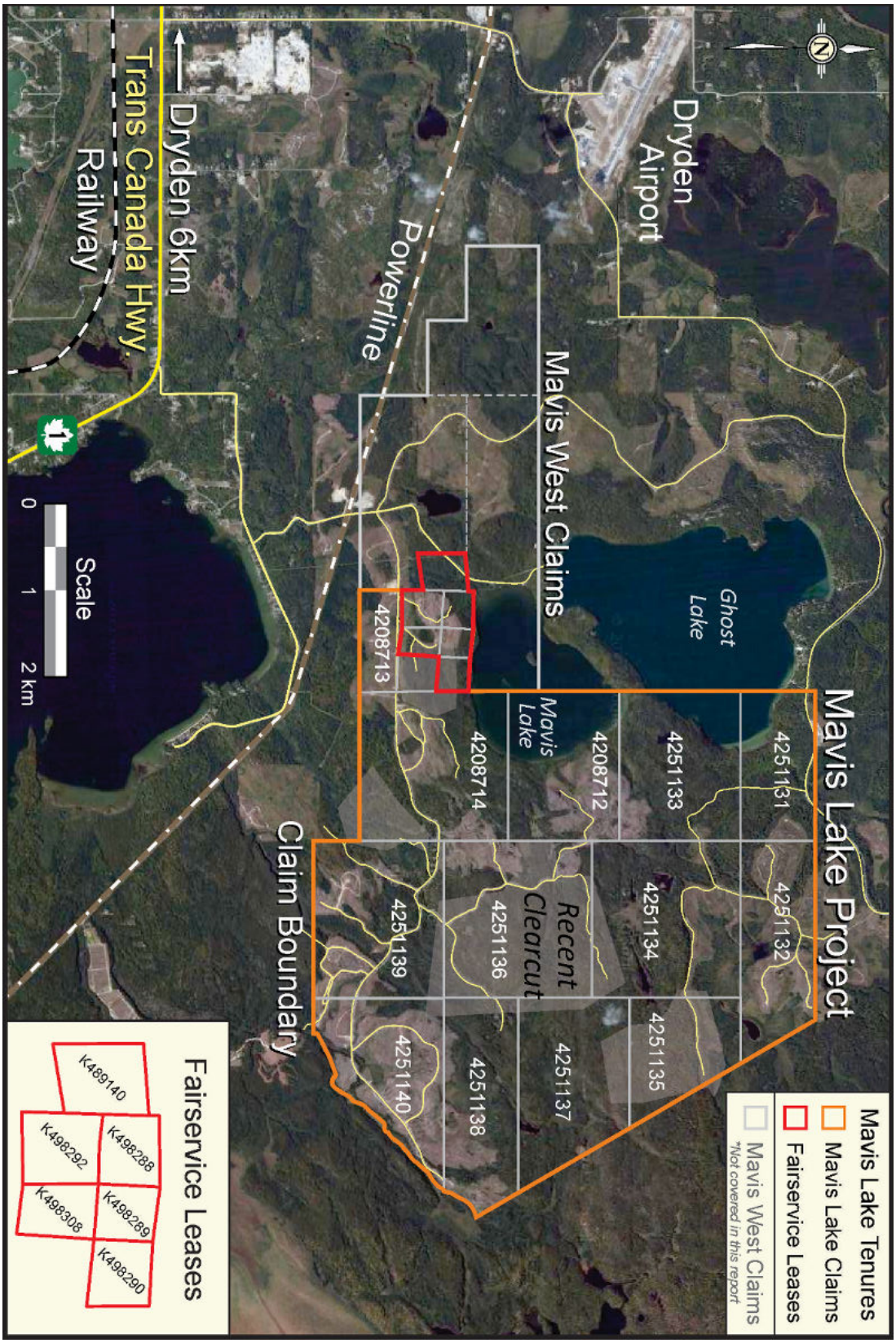


Figure 2: Mavivs Lake-Fairservice claim location and information map

4. ACCESSIBILITY, LOCAL RESOURCES, INFRASTRUCTURE, CLIMATE AND PHYSIOGRAPHY

4.1 ACCESSIBILITY

The Project has excellent road accessibility. The Project is approximately 19 km northeast by road from the city of Dryden and can be reached from the city by driving east on Trans-Canada Highway 17 for approximately 8km to its junction with the Thunder Lake Road. On Thunder Lake Road travel is roughly 3km to the intersection of Thunder Lake Road and Ghost Lake South Road. From this point, driving north on the Ghost Lake South Road for about 1km and thence turn east along the an old logging road, a major gravel road, for approximately 1km brings one to an intersection to the main access road to the Fairservice Mining Leases. Continuing along the Fairservice access road for an additional 3km brings the driver to a subsidiary gravel north to the eastern claims of the Mavis Lake property.

4.2 LOCAL RESOURCES AND INFRASTRUCTURE

The Project is conveniently located 19 km east-northeast of Dryden, which represents the second largest city of 7,617 inhabitants (2011 Census) in the Kenora District of Northwestern Ontario. A general labor force and many goods, accommodations, facilities and modern services are readily available in Dryden. Skilled labor, mining and specialized exploration services and equipments are available from larger cities such as Thunder Bay, Ontario, and Winnipeg, Manitoba, which are located respectively 356 km east and 350 km west of Dryden. Dryden has an airport with connecting flights to many major Canadian cities, including Thunder Bay and Winnipeg, which can also serve as points to many international flights.

Hydroelectric power is available a few kilometres southwest of the property, from a line, which also supplies power to the city of Dryden. A major railway artery with links to eastern and western Canada and also south to the USA is readily available from Dryden.

4.3 CLIMATE

The Project lies near the northern boundary of the Lake of the Woods eco-region of the Southern Boreal Shield. The region is classified as having a sub-humid mid-boreal eco-climate (cf. Anthony 2004). Dryden and known to have temperatures ranging from a low of -27 deg. Celsius in the winter to high of +26 deg. Celsius in the summer. The climate is considered to be temperate. Annual rainfall is 0.6 to 0.8 m and annual snowfall ranges between 1.3 to 2.3 m.

4.4 PHYSIOGRAPHY, TOPOGRAPHY AND WILDLIFE

The topography varies from generally flat to slightly undulating south of the Project, corresponding to a transition from glaciolacustrine sand plain to boulder till. The northern parts are relatively rugged with

prominent hills, ravines and cliffs. Elevations range from around 400m along the shores of the lakes to about 460m on ridge crests located in the central part of the Project.

The northern and east-central parts of the Project have been recently logged leaving sparsely spaced trees and scattered underbrush. On the other parts of the properties, characteristic vegetation includes a succession from trembling aspen, paper birch, white and black spruce, and balsam fir. Cooler and wetter areas support black spruce and tamarack growth.

Characteristic wildlife includes moose, black bear, wolf, lynx, snowshoe hare and woodchuck. Bird species include ruffed grouse, woodpecker, bald eagle, herring gull and waterfowl. Forestry, recreation, fishing and hunting are the major land uses in this region.

5. HISTORY

The Wabigoon Lake region, which hosts the Project, was mapped in the 1940's by the Ontario Department of Mines (Moorhouse 1941, Satterly 1943). Later semi-detailed bedrock mapping was conducted by the government of Ontario in the 1970's and 1980's (Breaks 1980, Breaks et al. 1976, 1978; and Breaks and Kuehner 1984) and more recently for the government by Beakhouse (2001, 2002). Breaks et al. (2003) also conducted more focused studies of the rare metal potential of the region. The Ontario Geological Survey has flown airborne magnetic and electromagnetic surveys both in the Dryden and Stormy Lake areas (Ontario Geological Survey 1997, 2001). The Dryden Lake area survey included the Mavis Lake/Fairservice Property.

The Project area saw three main periods of mineral exploration:

1. **1955 to 1964**: in the 1950's lithium was the main target, while tungsten and tantalum dominated in the 1960's;
2. **Late 1960's to late 1980's**: tungsten and tantalum were the focus of exploration; and
3. **Early 2000 to present**: the focus of exploration has been quite diversified, ranging from volcanogenic massive sulphide (VMS) copper-zinc-silver to shear-hosted lode-gold deposits, and currently exploration efforts once again focused on pegmatite-hosted rare metals.

In 1956, **Lun-Echo Gold Mines Ltd.** drilled the area immediately south of Mavis Lake. From August to September, ten NQ holes were drilled, totalling 873.32 feet (266.19 m), 18 samples were assayed for Cu (0.09-1.31 %), Ni (0.07-0.48 %), Au (nil) and Ag (nil to trace). Pegmatite dikes were intercepted in 8 of the 10 holes drilled at this time but no assays for rare metal mineralization were reported (Table 6).

Table 6: Lun-Echo Drill Holes - Pegmatite Intercepts

Hole No.	Hole Depth (feet)	From-To (feet)	Pegmatite Intercepts
Hole N1	62.1'	0'-8.2'	Pegmatite, Tourmaline, slight lithium reaction with flame but no spodumene.

Hole N2	57.7'	39.7'-57.7'	Pegmatite, Tourmaline, slight lithium reaction with flame but no spodumene.
Hole N3	68.6'	30.5' - 32.6'; 40.6'-68.6'	Pegmatite.
Hole N3-A	103.0'	36.8'-46.3 '; 50.9'-51.2'	Pegmatite, Quartz, Pink Feldspar, Tourmaline;
Hole N4	93.5'	27.7'-28.4'; 31.6'-31.8'; 52.6-53.0'; 57.3'-57.6'; 63.8'-69.2'	Pegmatite.
Hole N5	71.6'	N/A	No pegmatite interception.
Hole N6	96.21'	30.4'-36.7'; 80.0'-83.0'	Pegmatite, Pink Feldspar, Tourmaline; Pegmatite.
Hole N7	92.31'	24.4'-26.3'; 31.4'-41.6;43.4'-43.8'	Pegmatite, Tourmaline; Pegmatite; Pegmatite,scattered sulphides, schist and breccia.
Hole N8	86.31'	N/A	No pegmatite interception.
Hole N9	70.0'	69.0'-70.0	Pegmatite

After encountering the pegmatite intersections in the previous drilling program, Lun-Echo Gold Mines Ltd. carried out trenching and another 40-hole diamond drilling program, totalling 1968m, for potential lithium mineralization on the Fairservice mining leases. The drilling program defined lithium mineralization over a strike length of 670 m with lithia (Li_2O) percentage from as low as 0.37 % to a high of 2.76 % (Table 7).

Table 7: Significant Li_2O Intersections in Lun-Echo Drilling

Hole No.	From (m)	To (m)	True Width (m)	Li_2O (wt. %)
B-11	2.74	8.08	4.88	1.46
E-11A	1.22	7.77	6.4	1.08
B-5	0.49	3.9	2.99	2.76
E-4	0.61	7.62	7.01	1.5
B-3	0.09	4.57	3.05	1.27
B-2	1.52	4.36	2.83	1
E-2	9.14	12.44	3.05	1.49
B-6	0.4	4.57	4.18	1.17
E-21	13.56	20.03	6.46	1.22
E-21	27.92	35.36	7.44	1.13
B-1A	57.45	60.5	2.74	1.37
E-20	20.24	29.29	9.05	1.52
E-18	4.27	8.38	4.11	1.17
E-16	0	5.85	5.85	1.51

In the same year 1956, **Milestone Mines Ltd.** completed a trenching work and very limited diamond drilling on some pegmatites immediately east and southeast of Mavis Lake on the current Mavis property (Vanstone 1983).

In 1978, **R.J. Fairservice** staked the property and subsequently optioned it to **Selco Mining Corporation Limited ("Selco").** Between 1979 and 1981, Selco carried out geological mapping, lithogeochemical surveys and diamond drilling over the area that extended from the west, south and southeast of Mavis Lake. During June 1979 to September 1980, Selco drilled eight holes, totalling 1153 feet (351.4 m). This drilling delineated the **South** and **Main** pegmatite zones (Figure 3). Pryslak (1980) described the results of 4 out of 8 holes as following:

> **South Zone:** this pegmatite zone was intercepted by drill holes M-1 and M-2. The pegmatite intersected in each case was less than 10 feet thick and consisted essentially of wall-zone and mixed intermediate zone material. Minor aplitic material was encountered but this would appear to be of primary origin rather than a late replacement zone.
>
> **Main Zone:** this pegmatite zone was intersected by drill holes M-3 and M-4. The pegmatites consisted of a wall zone and intermediate spodumene-bearing core zones. A total of 14 core samples were assayed for tantalum, niobium and lithium oxides (Ta_2O_5, Nb_2O_5 and Li_2O, respectively) at Swastika Laboratories Ltd (Ontario) in November 1979. Results are presented in Table 8: Selco's Drill Core Sample Results from Holes M-1 to M-4.

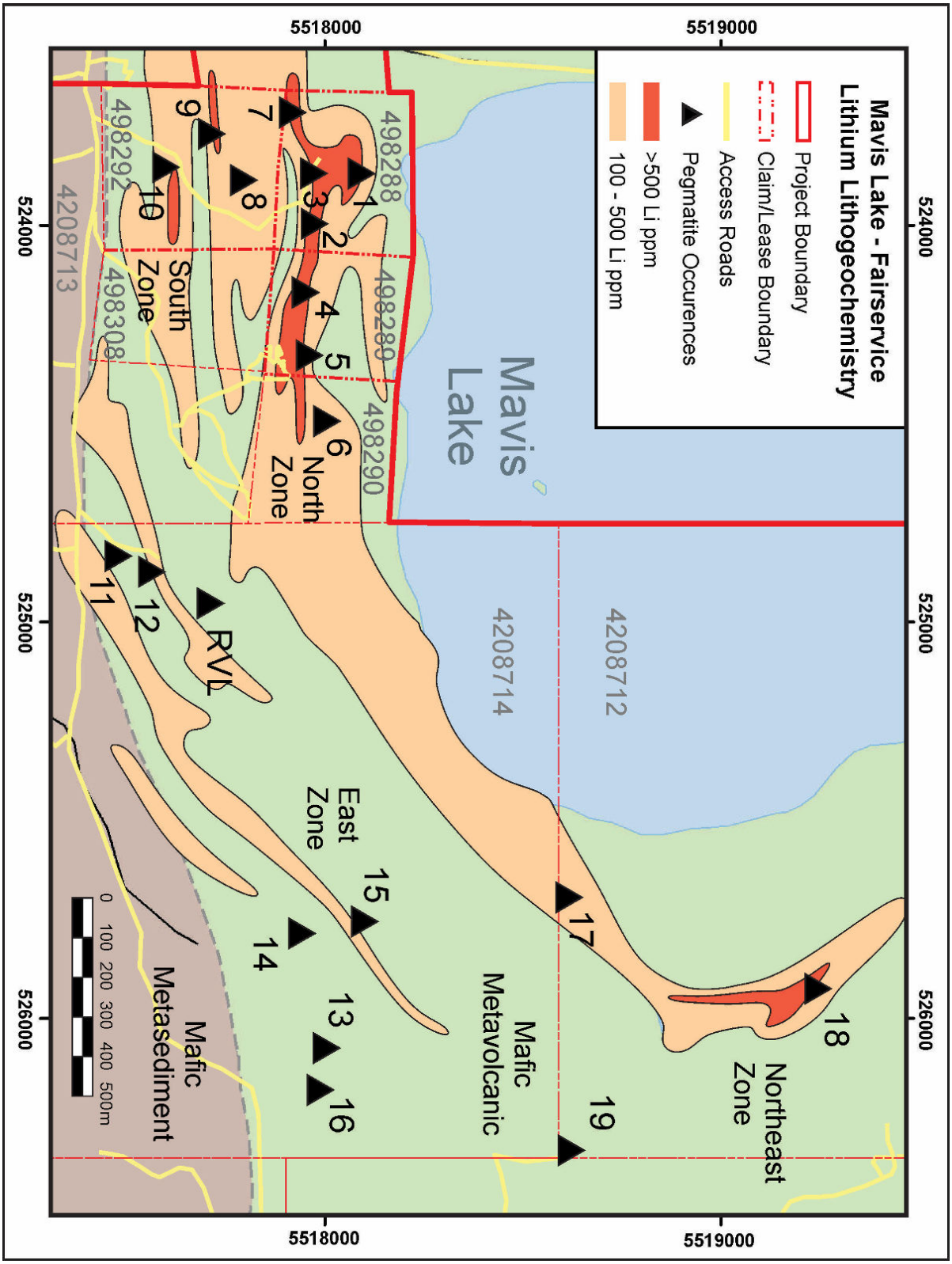


Figure 3: Historical lithium lithogeochemistry anomalies

Table 8: Selco's Drill Core Sample Results from Holes M-1 to M-4

Hole No.	Sample No.	Ta_2O_5 (wt. %)	Nb_2O_5 (wt. %)	Li_2O (wt. %)
M-1	584	0.01	0.01	0.73
M-1	585	0.01	0.01	0.35
M-2	586	Trace	0.01	0.43
M-2	587	Trace	0.01	0.08
M-2	588	0.01	0.01	0.09
M-3	589	Trace	0.01	0.78
M-3	590	Trace	0.01	1.46
M-3	591	0.01	0.01	2.33
M-3	592	0.01	0.02	1.32
M-3	593	0.01	0.02	1.45
M-3	594	Trace	0.01	0.84
M-3	595	Trace	0.01	2.09
M-4	596	Trace	0.01	1.62
M-4	597	Trace	0.01	1.15

In the early 1980's, Selco carried out a reconnaissance lithogeochemical survey. A total of 313 bedrock samples were collected and analyzed for lithium content. Samples returned results from a low of 7 ppm Li to a high of 4095 ppm lithium (Li). The survey was controlled by chaining along claim lines and by running intermediate lines by compass and chain. The Mavis Lake geochemical survey has shown good correlation between lithium halos with the known albite-spodumene pegmatite zone (Figure 3).

In 1982, **Tantalum Mining Corporation of Canada Limited ("Tanco")** optioned the Fairservice Property. In June 1982, a program of line cutting and geophysical survey was completed on a portion of the property. It was concluded that the Mavis Lake area is characterized by a higher (>1000 gammas) but irregular magnetic response over the mafic meta-volcanic rocks. The sediments have a low, flat magnetic response, but this could be partially due to the masking effects of the overburden. It was thought that the contrasts in magnetic signatures could be used as an aid to identifying favorable zones for pegmatites since the rare metal pegmatites have an affinity for mafic meta-volcanics in the Mavis Lake area (Vanstone, 1982).

In June 1982, **Tanco** also completed a detailed lithium litho-geochemical survey over a portion of the Property. The purpose of the litho-geochemical survey was to locate, by means of a systematic sampling of the bedrock, blind tantalum-bearing pegmatites. Samples were collected at 25m intervals along chained lines located 50m apart, for a total of 737m. Samples over approximately 37.2 line kilometres were collected. At each sample location roughly 0.5 kg of fresh sample was taken. Grid coordinates identified the samples with the rock type recorded and samples analyzed for ppm Lithia (Li_2O). The Li_2O values for the survey ranged from less than detection limit to a high of 8000 ppm with mean value being 203 ppm.

Two anomalous zones were defined by Tanco's lithium litho-geochemical survey: the **North or Northeast** and **East** zones (Figure 3). The North Zone is a very intense zone with values in excess of 1000 ppm Li_2O. The zone is characterized by broad, extensive anomalies, but also contains a number of small, tight isolated anomalies. The zone is generally confined to the more magnetically responsive mafic meta-volcanics. The East Zone consists of small, generally elongated, and relatively tight anomalies. Such anomaly configurations are indicative of near vertical pegmatites. The eastern part of the anomalous zone tends to be broader reflecting the change to more shallow dipping pegmatites. The **East Zone** geochemical pattern is not as strong as the North Zone, with values rarely exceeding 1000 ppm Li_2O (Vanstone 1983).

Tanco conducted no follow up exploration program after completing the litho-geochemical survey and all claims were returned to R.J. Fairservice in the same year.

During the late summer in 2002, **Emerald Field Resources** optioned the property from R.F. Fairservice for its rare metal (Ta, Cs, and Be), VMS-type base metal (copper-zinc) and Hemlo-style gold mineralization potential. In 2003, Emerald Field Resources carried out prospecting, trenching, geological mapping programs and a 4-hole diamond drill program (Mowat, 2003).

In the summer of 2003, **True North Gems Inc.** undertook development work on a previously known emerald occurrence (Brand et al. 2009) on its optioned Taylor Beryl Pegmatite located on strike to the now lapsed property holdings of Emerald Field Resources.

Houston Lake Mining in 2004 carried out exploration for rare metals on the Brady Property (Anthony 2004), situated immediately west of the Fairservice Property and which contains the various showings on the former Sanmine Property.

In 2009, **TNR Gold Corp.** conducted an exploration program on the Mavis Claims that consisted of an initial reconnaissance program from July 25th to 26th, followed up by a detailed month long program in the fall from September 25th to October 27th.

The initial reconnaissance program consisted of collecting a total of 13 samples, 8 grab and 5 channel, from Pegmatite 18. Assay results for lithium, tantalum, cesium and rubidium returned up to 3.14 wt. % Li_2O, >122.1 ppm Ta_2O_5 (maximum upper detection limit), 243 ppm Cs_2O and 2500 ppm Rb_2O from grab samples (Table 9: TNR's Significant Grab Samples). Five continuous channel samples were cut for a total length of 5.3 m averaged 1.22 wt. % Li_2O, 34.1 ppm Ta_2O_5, 92.2 ppm Cs_2O and 1965 ppm Rb_2O (Table 10: TNR's Significant Channel Samples. Samples with maximum upper detection limits for some of these metals were reanalyzed.

The fall 2009 exploration program consisted of grid construction, lithogeochemical sampling, mapping and prospecting in selected areas of the Mavis Lake Property. A total of 11.25 line-kilometres were cut with 100m spacings and oriented perpendicular to the dominant foliation at 130°-310° in the vicinity of Pegmatite 18.

A total of 335 lithogeochemistry samples were collected that ranged in values from 1.3 to 9780 ppm Li with 136 samples returning values greater than 50 ppm Li. Lithium values greater than 50 ppm are considered strongly anomalous as the average regional background for lithium in mafic meta-volcanic rocks is 16ppm (Breaks 1989). The 2009 fall sampling program extended the lithium dispersion anomaly approximately 1.1 km northeast beyond the 3.4 km long historical anomaly underlying the Mavis Lake and Fairservice properties.

Mapping, prospecting and sampling was carried out on all of the known and newly discovered RVL pegmatites on the Mavis claims. Additionally, Pegmatite 17 was extended 187 m from its previously known length of 33 m to 220 m.

A total of 192 grab and 12 channel samples were collected during the course of mapping and prospecting with values as high as 1.86 and 2.11 wt. % Li_2O (Table 9) in the grabs and the channel samples ranging from 37.4 ppm to 1.7 % Li_2O. A number of pegmatites, in addition to lithium, returned highly anomalous tantalum, cesium and rubidium values. The most significant tantalum oxide (Ta_2O_5) results from Pegmatite 14, 16 and 19 contained 1246 ppm (0.12 wt. %), 1349 ppm (0.14 wt. %) and 593 ppm (0.06 wt. %), respectively. Sample H373758 (Table 9) from Pegmatite 19 contained the highest cesium and rubidium values with 1537 ppm Cs/0.15wt.% Cs_2O and 10,021/1.02wt.%Rb_2O. Pegmatite 14 and 16 contained the highest values of Tantalum with anomalous samples up to 1349ppm and 1246ppm respectively.

Table 9: TNR's Significant Grab Samples

Sample No.	Area	Easting (mE)	Northing (mN)	Lithology	Li_2O (wt. %)	Ta_2O_5 (ppm)	Cs_2O (ppm)	Rb_2O (ppm)
H373047	14	526050	5517960	Pegmatite	0.007	1246	19.8	9.96
H373046	14	525975	5517949	Pegmatite	0.011	796	79.9	755
H373049	16	526249	5517951	Aplite	0.002	1349	4.2	7.33
H373050	16	526249	5517942	Aplite	0.014	757	7.5	30.5
H372633	17	525757	5518626	Pegmatite	1.72	163	206	2844
H372628	17	525714	5518607	Pegmatite	1.72	275	164	2166
H372626	17	525708	5518596	Pegmatite	1.86	74.7	155	3862
34717	18	525898	5519199	Pegmatite	2.56	57.2	77.4	970
34718	18	525929	5519164	Pegmatite	3.14	36.9	65.6	1200
H372758	19	526339	5518602	Pegmatite-Aplite	0.16	782	1537	10021
H372761	19	526339	5518602	Pegmatite	2.01	223	583	3752

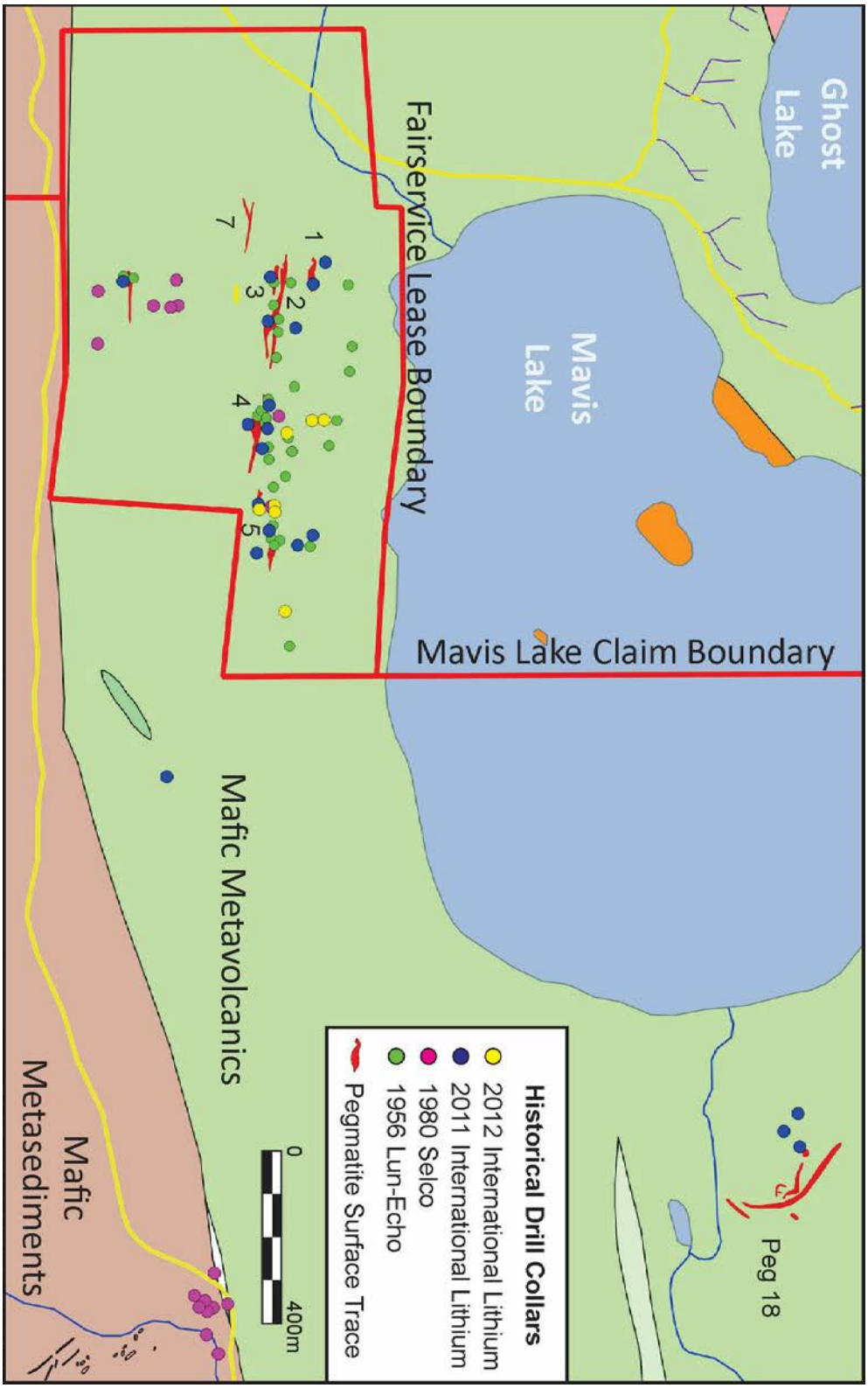


Figure 4: Historical Drill Hole locations

Table 10: TNR's Significant Channel Samples

Sample No.	Pegmatite No.	UTM Start (mE)	UTM Start (mN)	Width	Li_2O (wt. %)	Ta_2O_5 (ppm)	Cs_2O (ppm)	Rb_2O (ppm)
H372723	11	524877	5517478	1	1.02	90.1	114	3370
H372724	11	524876	5517478	1	1.74	60.6	121	2472
H372725	11	524875	5517478	1	1.66	87.3	129	2297
H372726	11	524874	5517478	1	1.5	82.5	157	2932
H372727	11	524873	5517478	0.7	0.9	151.5	250	4223
		Weighted Average	4.7	1.39	90.8	148	2985	
H372697	11	524871	5517455	1	0.24	84.1	59	1214
H372698	11	524870	5517455	1	0.98	99.3	123	1586
		Weighted Average	2	0.61	91.7	91	1400	
H372700	11	524867	5517457	1	0.004	134.5	119	2779
34721	18	525965	5519122	1	1.59	53	98.4	1870
34722	18	525964	5519121	1	1.5	47.1	62.6	1140
34723	18	525964	5519120	1	0.9	21.2	100.5	2260
34724	18	525963	5519120	1	0.95	26.8	101.5	2170
34725	18	525963	5519119	1.3	1.15	24.9	96.5	2290
		Weighted Average	5.3	1.22	35.2	91.6	1924	

In the summer of 2011, **International Lithium Corporation** carried out a diamond drilling program that was aimed to confirm historic Li_2O grades and width, and to test the rare metal potential of pegmatites on the Mavis and Fairservice claim blocks. The drilling program tested the subsurface expressions of approximately eight pegmatites as well as testing the subsurface continuity along strike and between pegmatite outcrops. During the campaign 20 drill holes were drilled on the Mavis Lake and Fairservice properties, MF-11-01 through MF-11-20, totalling 1753m. Of the 20 drill holes, 17 intersected one or more intervals of pegmatite greater than 2m and up to 78m. The results include 1.86 wt. % Li_2O over 26.25m and 1.22 wt. % Li_2O over 28.45m in hole MF-11-12, 1.83 wt. % Li_2O over 8.25m in MF-11-08, 1.08 wt. % Li_2O over 8.7m in MF-11-13 and 0.93 wt. % Li_2O over 9m in MF-11-16. Drill collar data from the 2011 drilling program is summarized in Table 11. Li_2O results are presented in Table 12. In addition to encouraging Li_2O results, several holes had significant Tantalum (Ta) intersections. Those intersections are summarized in Table 13.

Table 11: Summary of Drill Collar Data from the 2011 Drilling Program

Hole No.	Easting	Northing	Elevation (m)	Azi. (°)	Dip (°)	Length (m)
MF-11-01	523836	5517575	425	10	-45	77
MF-11-02	523826	5517916	431	10	-55	77
MF-11-03	523928	5517910	435	10	-45	77
MF-11-04	523792	5518043	423	190	-45	77
MF-11-05	523842	5518015	425	190	-45	68
MF-11-06	523944	5517974	436	190	-79	90
MF-11-07	524123	5517913	433	190	-45	77
MF-11-08	524177	5517909	432	190	-45	68
MF-11-09	524223	5517897	440	190	-45	74
MF-11-10	524167	5517864	436	10	-45	77
MF-11-11	524339	5517890	425	0	-45	77
MF-11-12	524409	5517914	424	0	-45	200
MF-11-13	524409	5517913	424	0	-60	77
MF-11-14	524461	5517906	421	0	-45	75
MF-11-15	524418	5518007	418	180	-90	105
MF-11-16	524461	5517986	420	315	-64	164
MF-11-17	525763	5519137	422	10	-45	74
MF-11-18	525804	5519104	422	10	-45	74
MF-11-19	525840	5519141	422	10	-45	74
MF-11-20	524983	5517676	422	270	-45	75

Table 12: Significant Lithium Assay Results from the 2011 Drilling Program

Hole No.	From (m)	To (m)	Length*	Li_2O %
MF-11-01	2.2	6	3.8	0.89
MF-11-05	0.9	7	6.1	1.01
MF-11-07	4.1	9	4.9	1.48
MF-11-08	2.25	11	8.75	1.83
MF-11-09	18.85	26.65	7.8	2.58
Incl	20	25	5	3.08
MF-11-11	2	6.1	4.1	1.27
MF-11-12	29	33	4	1.15
And	116.95	145.4	28.45	1.22
Incl	125	141	16	1.63
And	152	178.25	26.25	1.86
MF-11-13	17.1	25.8	8.7	1.08
Incl	19	24	5	1.44
MF-11-14	24	27	3	2.91

MF-11-15	78.4	85	6.6	1.38
MF-11-16	88	97	9	0.93
Incl	89.35	94	4.65	1.23
MF-11-17	31.1	39.5	8.4	0.53
MF-11-19	20	26	6	0.92

Table 13: Significant Tantalum Assay Results from the 2011 Drilling Program

Hole No.	From (m)	To (m)	Length*	Ta_2O_5 ppm
MF-11-01	41.15	43.2	2.05	137
MF-11-09	8.05	13.65	5.6	181
MF-11-12	27.3	59.3	32	148
And	106.2	116.95	10.75	182
And	137	142.8	5.8	165
MF-11-13	25.8	29.1	3.3	192
MF-11-16	89.35	100.2	10.85	117

*Lengths described above are core lengths and not true widths

A follow-up 2,000 meter drilling program was conducted by **International Lithium Corporation** on the Fairservice Claims from November 23 to December 20th, 2012 and January 8 to 15, 2013. The objective of the program aimed at defining the continuity of pegmatite bodies along strike and at depth around and between known pegmatite occurrences, delineating the orientation and geometry of some of the larger pegmatite bodies and testing historical lithogeochemical anomalies and Li-migration in the metavolcanic host rocks as vectoring tools for future drill hole targeting. During the drill campaign 19 holes were drilled, MF-12-21 through MF-12-38 and MF-12-15a, totalling 2,072.1m. Drill collar data from the winter 2012-2013 drilling program is summarized in Table 14.

Table 14: Summary of Drill Collar Data from the Winter 2012-2013 Drill Program

Hole No.	Easting	Northing	Elevation (m)	Azi. (°)	Dip (°)	Depth (m)
MF-12-21	524157	5518042	442	190	45	132
MF-12-22	524158	5517995	438	190	45	150
MF-12-23	524186	5517955	436	190	45	90
MF-12-24	524356	5517938	430	40	47	219
MF-12-15a	524418	5518007	418	180	88	175.3
MF-12-25	524387	5518108	413	180	55	186
MF-12-26	524462	5517943	418	0	48	204
MF-12-27	524599	5517953	427	176	45	120
MF-12-28	524364	5517898	426	190	45	102
MF-12-29	524370	5517925	426	190	45	120.8
MF-12-30	524080	5517946	445	190	45	81

MF-12-31	524054	5517950	442	190	45	78
MF-12-32	524024	5517953	442	190	45	69
MF-12-33	524259	5517890	448	190	45	66
MF-12-34	524262	5517916	448	190	45	69
MF-12-35	524272	5517944	445	190	45	72
MF-12-36	524292	5517922	440	190	45	81
MF-12-37	523877	5518022	431	190	45	84
MF-12-38	523898	5518008	432	180	45	81

All drill holes intercepted pegmatite with notable intersections from hole MF12-24 grading 1.51 wt% Li_2O over 21.4m that includes 9.2m grading 2.37 wt% Li_2O and hole MF-12-28 grading 2.53 wt% Li_2O over 6m. The significant results from the 2012-2013 of Li_2O and Ta are presented in Table 15 and Table 16, respectively. The exploration campaign was successful in identifying that most of the pegmatites along the main belt in the Fairservice property from pegmatite #1 through #6 are relatively continuous. The program extended the eastern margins of pegmatite #4 an additional 65m to a length totalling greater than 200m.

Table 15: Significant Lithium Assay Results from the Winter 2012-2013 Drill Program

Hole No.	From (m)	To (m)	Length*	Li_2O %
MF12-21	103.65	107.35	3.7	1.31
MF12-24	151.35	174.75	21.4	1.51
Incl.	165.55	174.75	9.2	2.37
MF-12-25	129.65	135.85	6.2	1.51
MF-12-28	6	12	6	2.53
MF-12-30	33.7	36.05	2.35	1.33
and	36.95	41.05	4.1	1.23
MF-12-33	22	30.5	8.5	1.34
MF-12-34	22.45	33.3	10.85	1.05
MF-12-36	27.75	38.5	10.75	1.06
MF-12-37	23.7	27.85	4.15	0.51

Table 16: Significant Tantalum Assay Results from the Winter 2012-2013 Drill Program

Hole No.	From (m)	To (m)	Length*	Ta ppm
MF12-24	151.35	152.8	1.45	350
MF12-15A	144	144.5	0.5	300
and	146	148.45	2.45	301.8
MF12-27	26.15	27.65	1.5	340
and	51.4	52.9	1.5	325
MF12-30	51.95	52.55	0.6	347

MF-12-33	22	30.5	8.5	99.5
MF-12-34	22.45	33.3	10.85	108.05
MF-12-37	23.7	27.85	4.15	171.6

*Lengths described above are core lengths and not true widths.

During the summer of 2016, ILC conducted a continuous reading ground magnetometer survey from June 10 to July 5, 2016 on the Project. Two overlapping grids with a nominal line spacing of 50 metres, set at different orientations to maximize right-angle transects across geology, were surveyed. The Fairservice grid was surveyed with north-south lines and the Mavis grid with lines oriented at an azimuth of 315°. A total of 272 line-kilometres of continuous profiling magnetometer data were collected as continuous line segments within each grid and on the lake (Figure 5). The survey was conducted to determine if non-magnetic pegmatites emplaced within mafic volcanic rock units could be mapped in a way to make drill targeting the narrow buried pegmatites more effective. Sieb et al (2016) determined that the direct mapping of pegmatites appears to be unlikely given the nature of the magnetic anomalies within the survey area, however, general geological signatures of elevated magnetic susceptibility are readily identified and therefore the grid images produced from the ground magnetic surveys can be used to interpret geologic contacts, features and structures thereby still providing a valuable tool to aid in the drill targeting process.

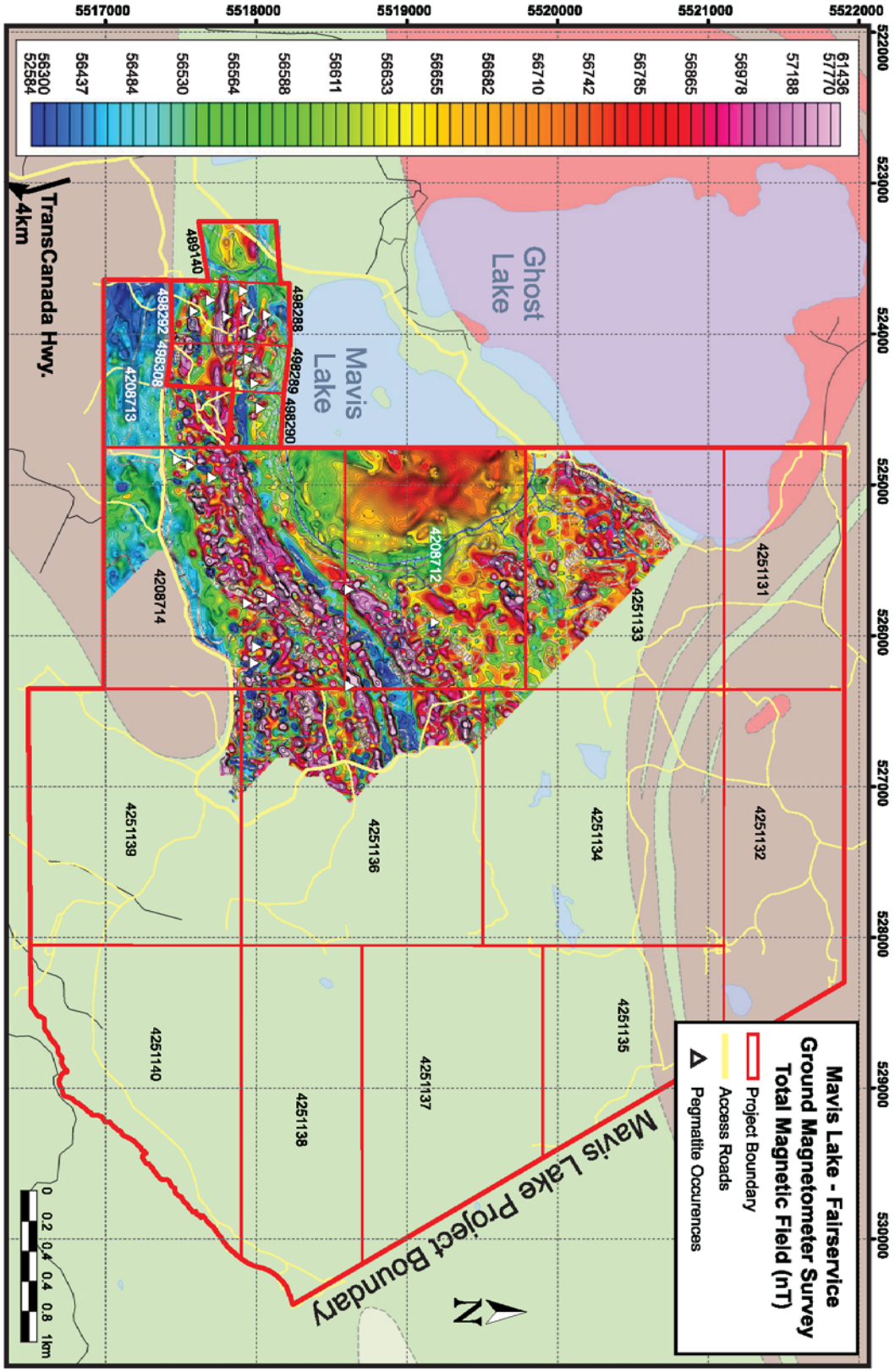


Figure 5: 2016 Ground Magnetic survey results on the Mavis Lake -Fairservice licences; Total Magnetic Field (Sieb et al, 2016)

6. GEOLOGICAL SETTING

6.1 REGIONAL GEOLOGY

In the regional context, the Property lies within the Sioux Lookout Domain in the western Wabigoon Subprovince (Figure 6). The Sioux Lookout Domain is constrained between the granitoid-dominated Winnipeg River Subprovince (WRS) to the north and the greenstone-granite rich WS to the south. The eastern half of the WS shares border with the meta-sedimentary-dominated English River Subprovince (ERS) to the north and in the south by the meta-sedimentary Quetico Subprovince (QS). The Wabigoon Subprovince (Figure 7) is approximately 900 km long, 150 km wide granite-greenstone terrain and comprises meta-volcanic and subordinate meta-sedimentary rocks, ranging in age from 3.0 Ga to 2.71 Ga, and intruded by a suite of 3.0 to 2.69 Ga granitoid batholiths, gabbroic sills and stocks.
The Sioux Lookout Domain is interpreted to have developed within a collisional tectonic setting during the Kenoran orogeny (Breaks 1989, Beakhouse 1989, 1991). Features of the Sioux Lookout Domain include:

- inverted stratigraphy and out-of-sequence thrust stacking of meta-volcanic and clastic meta-sedimentary rocks (2733 ± 1 Ma to 2706 ± 2 Ma),
- Abukuma-type metamorphism,
- areas of higher-grade, migmatized clastic meta-sedimentary rocks adjacent to the western contact of the 2685 Ma Ghost Lake batholith, the main source for the 2665 Ma rare metal granitic pegmatites in the Dryden area
- occurrences of peraluminous granite and pegmatitic granite plutons over 150 km strike length, and,
- widespread occurrences of rare metals (Li, Rb, Cs, Be, Nb, Ta and Ga) along with other lithophile elements such as Mo, W, Sn, U, Th, etc., contrasting with the adjacent Winnipeg River Subprovince and Wabigoon Subprovince (Figure 8).

The Wabigoon Fault represents a major curvilinear, southwest- to east-northeast trending regional structure, located along the southern contact of the Sioux Lookout Domain, and lies about 4.5 to 5 km south of the Mavis Lake and Fairservice lithium properties.

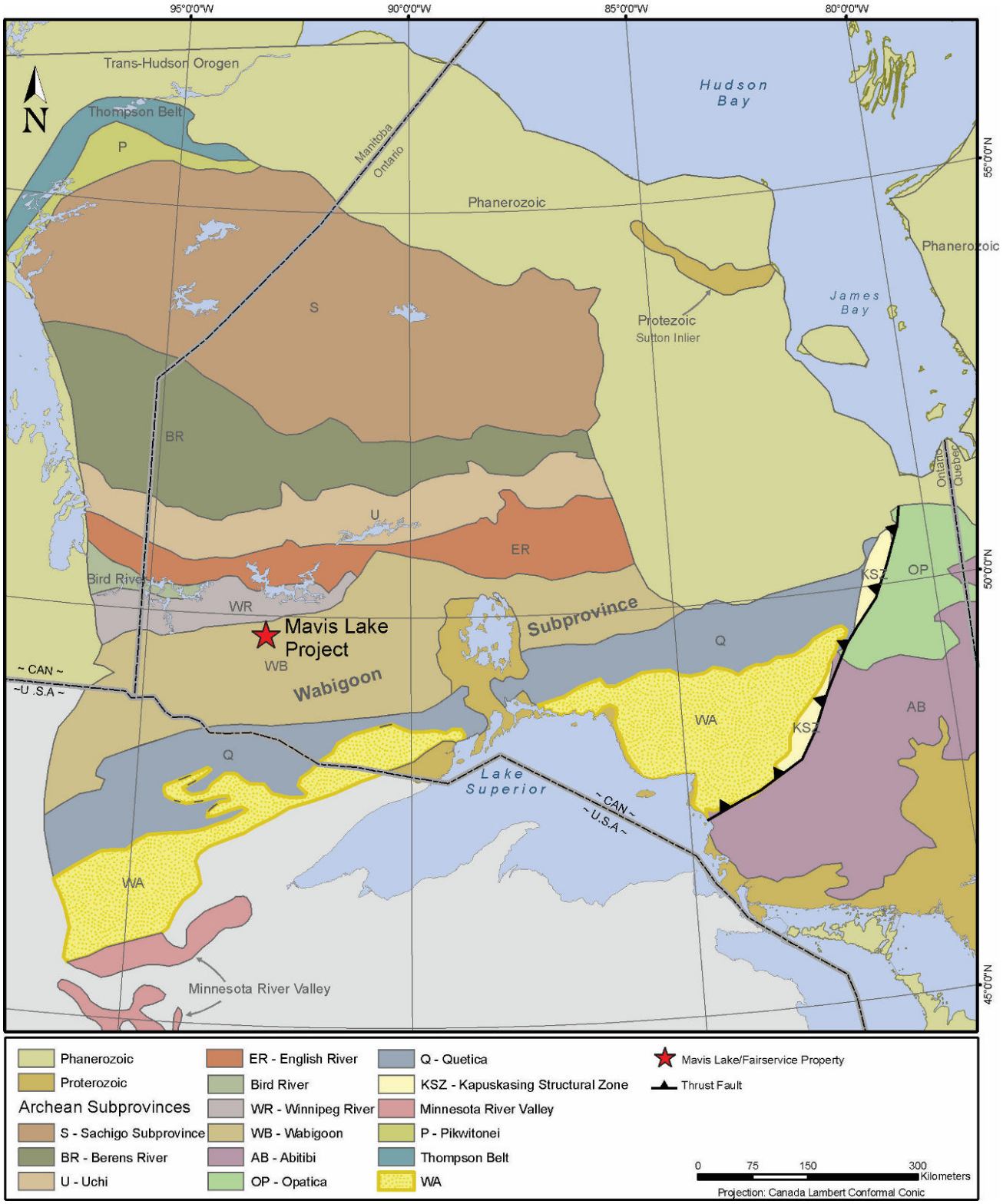
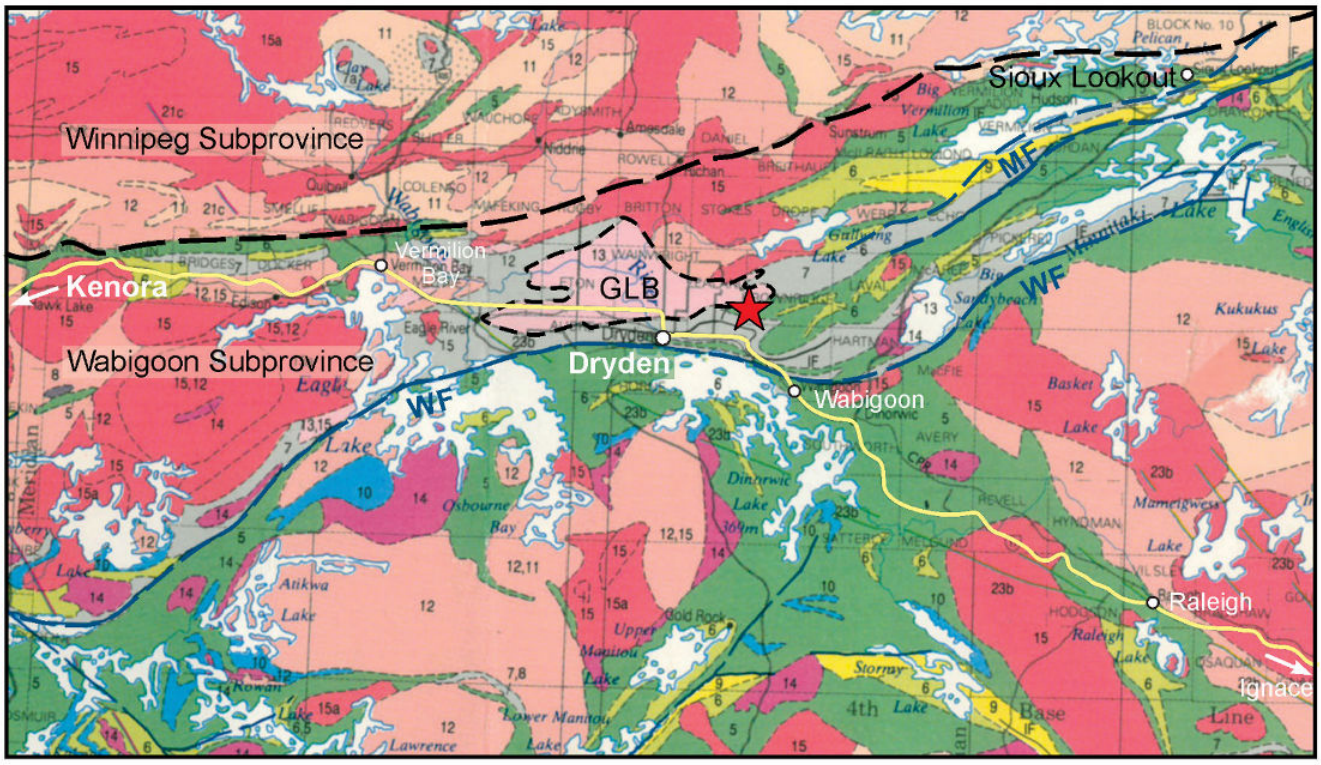


Figure 6: Geological setting of the Mavis-Fairservice project



Paleoproterozoic (1.6-2.5Ga)
- 23b - Wabigoon Dike Swarm
- 21c - Kenora-Fort Frances Dike Swarm

Neo-tomesoarchean (2.5-3.4Ga)
- 15 - Granodiorite to Granite (Massive)
- 14 - Diorite-monzonite-granodiorite Suite
- 13 - Peraluminous Granitic Rocks
- 12 - Tonalite-granodiorite (Foliated to Massive)
- 11 - Tonalite-granodiorite (Gneissic to Foliated)
- 10 - Mafic-ultramafic Intrusive Rocks
- 9 - Coarse Clastic +/- Alkalic Metavolcanic Rocks
- 8 - Migmatized Supracrustal Rocks
- 7 - Metasedimentary Rocks
- 6 - Felsic-intermediate Metavolcanics Rocks
- 5 - Mafic-intermediate Metavolcanics Rocks

- **Iron Formation (IF)**
- **Fault - (WF - Wabigoon Fault, MF - Minnis Fault)**
- **Subprovince Boundary**
- **Ghost Lake Batholith (GLB)**
- **Trans-Canada Highway**
- **Mavis Lake/Fairservice Property**

Figure 7: Regional Geology of the Mavis-Fairservice Project areaa

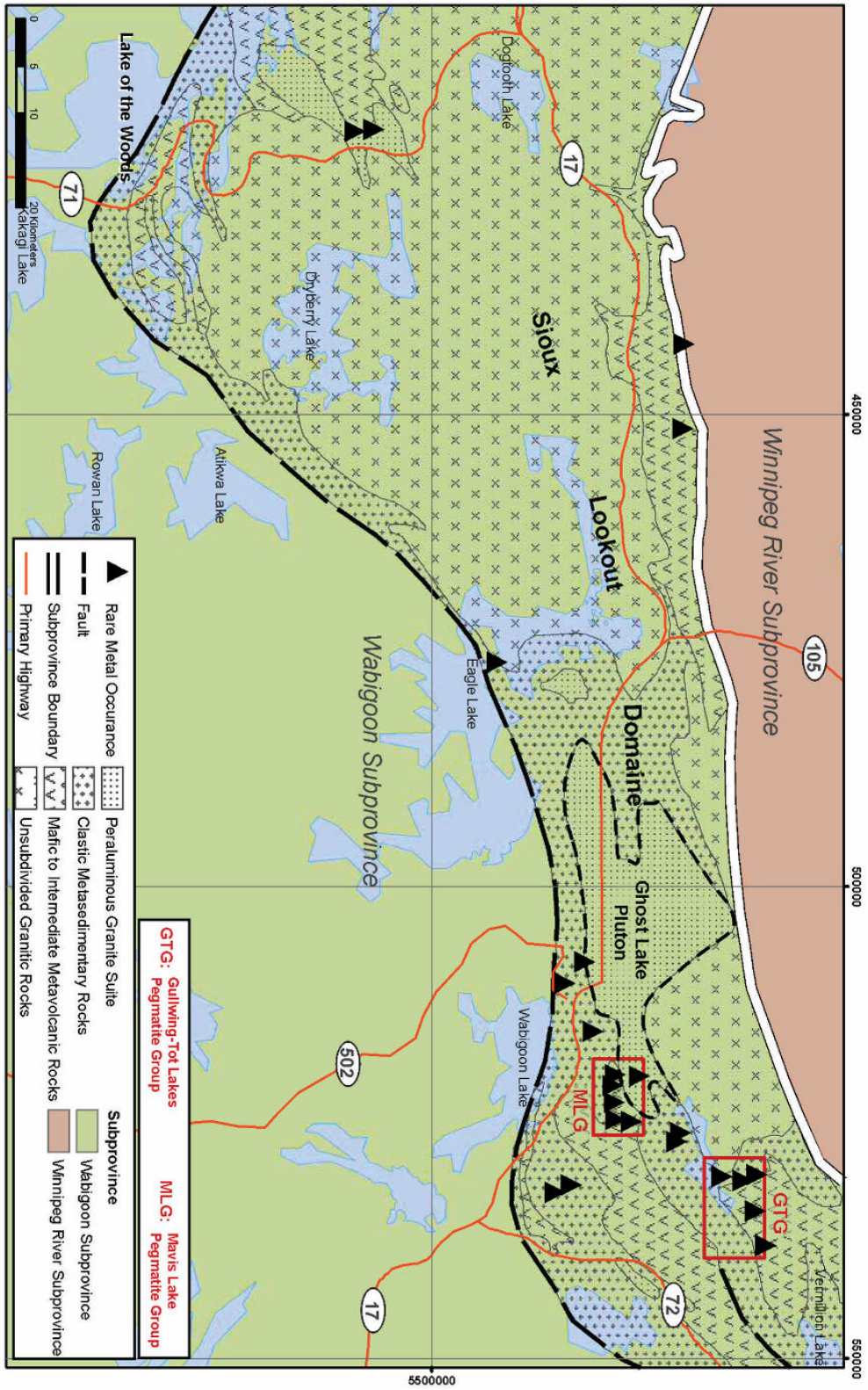


Figure 8: Rare Metal Mineralization within Peraluminous Granites of the Sioux Lookout Domain

6.2 LOCAL GEOLOGY

Beakhouse (2001) has subdivided the supracrustal units of the Sioux Lookout Domain, from north to south, into an alternating series of southward facing meta-volcanics and meta-sedimentary rocks (Figure 7). The supracrustal rocks in the Mavis Lake area comprise the following sequences:

1. Brownridge sediments and volcanics in the north,
2. Thunder Lake sediments and volcanics in the middle and,
3. Highly strained Zealand sediments adjacent to the Wabigoon Fault defining the southernmost portion of the Sioux Lookout Domain.

The Minnitaki and Abram Lake greenstone belts (2745 ± 1 to 2711 Ma) characterize the eastern portion of the Sioux Lookout Domain. Supracrustal rock sequences within this part of the domain comprise ultramafic (komatiitic) through mafic (tholeiitic, calc-alkaline, alkalic and komatiitic) and to calc-alkalic felsic volcanic rocks. Overlying meta-sediments are mostly clastic rocks of alluvial fan-fluvial, turbidite and platformal facies. Minor chemical sedimentary rocks are predominantly oxide-facies iron formation. All these rocks units are surrounded by external granitoid batholiths, and internally intruded by numerous variably sized sills, stocks and plutons of gabbroic and granitic compositions. Deformation and syntectonic to post-tectonic granitic plutonism occurred in the interval 2711 to 2685 Ma.

The underlying Brownridge meta-sediments within the Mavis Lake area are dominated by wacke with subordinate siltstone strata and have well-preserved primary structures. Structurally overlying meta-volcanic rocks (Brownridge volcanics) consist of fine-grained pillowed, massive mafic lavas and medium- to coarse-grained flows and/or gabbroic sills. The upper portion of the meta-volcanics tends to be variolitic, massive and pillowed mafic flows (Beakhouse,2001).

The Thunder Lake sediments underlie the southeastern-most part of the property boundary and are similar in character to the Brownridge sediments. Quartz±plagioclase porphyritic felsic meta-volcanic rocks (crystal tuffs?) are interlayered within sediments. The Thunder Lake meta-volcanics consist of massive to pillowed mafic flows with minor mafic to ultramafic rocks of undetermined age.

Five plutonic rock suites occur in the region (Breaks and Janes 1991): a tonalitic gneiss suite (circa 3170 Ma); tonalite-trondhjemite-granodiorite suite (2665 ± 20 Ma); two-mica peraluminous granite - granodiorite suite (2681 ± 20 Ma); biotite granite-granodiorite suite (2560 ± 40 Ma); and a mafic-ultramafic plutonic suite.

The two-mica granites are the source for rare metal pegmatites in the region, for example, the 2685 Ma Ghost Lake Batholith in the Mavis Lake area (Figure 8). The Ghost Lake Batholith is the largest (80 square km) and most fractionated of any peraluminous granite in the Sioux Lookout Domain with 8 internal,

subsolvus granitic and pegmatitic granite units as shown in

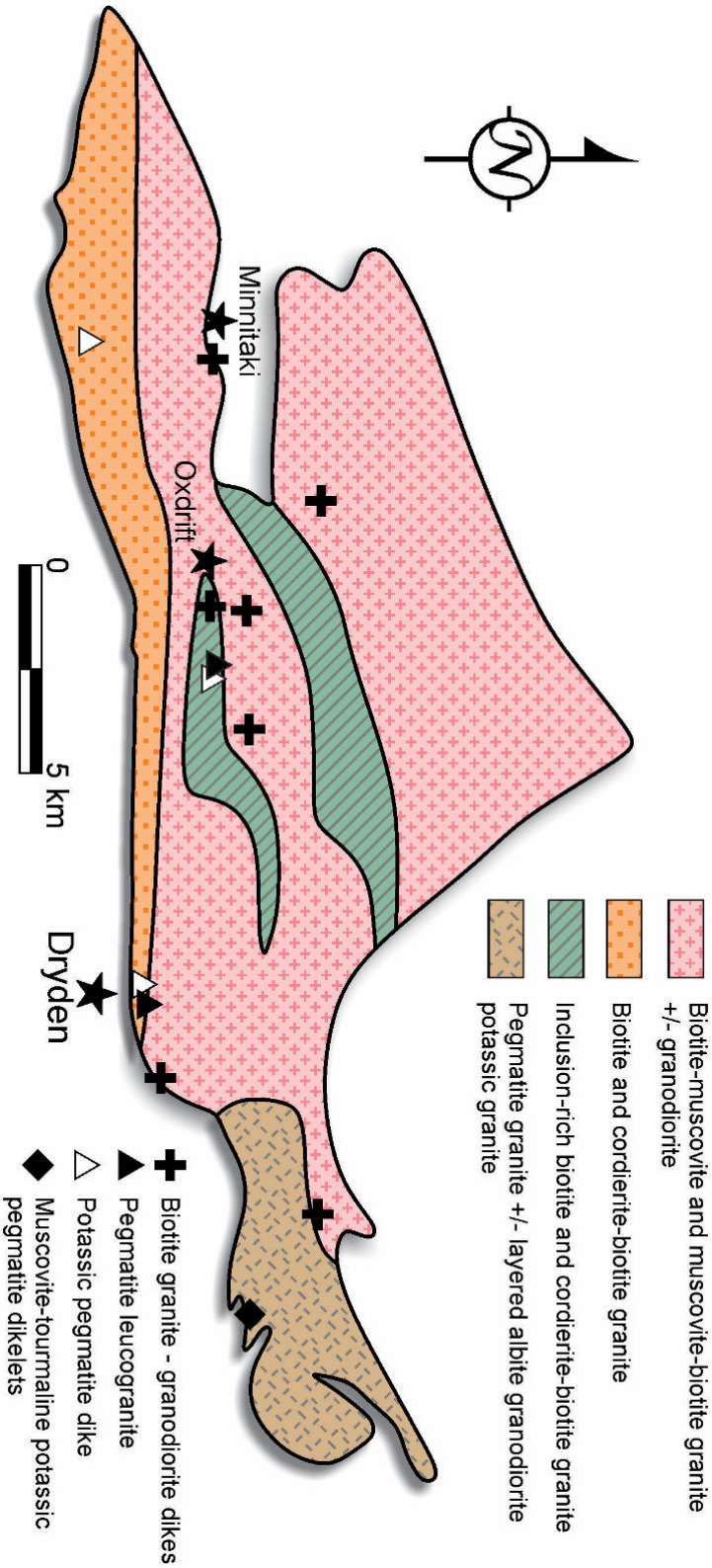


Figure 9 (Breaks and Janes 1991, Breaks et al. 2005).

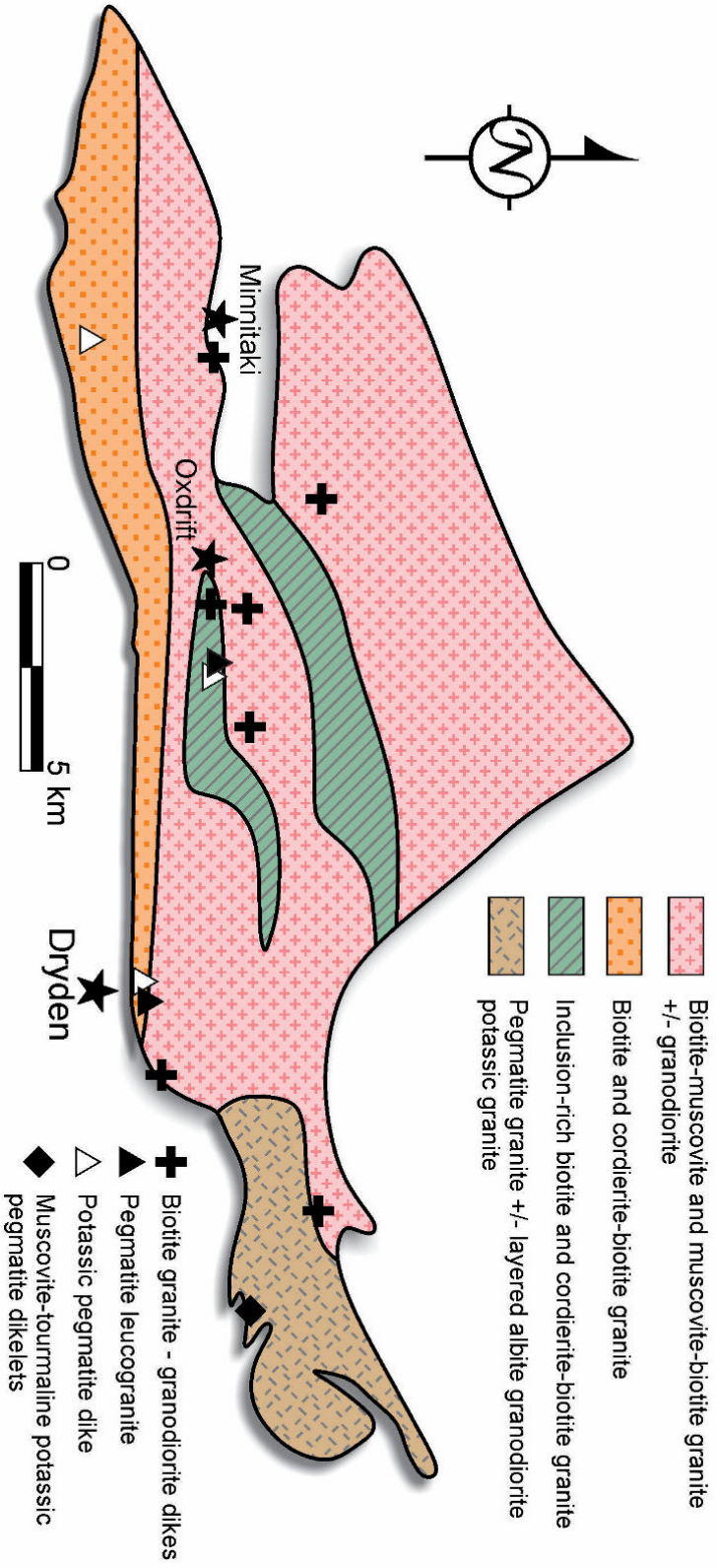


Figure 9: Distribution of Internal Granitic Units within the Ghost Lake Batholith

Structural data between Dryden and Sioux Lookout indicates four stages of deformation. Berger (1990) and Chorlton (1991) identified flat-lying folds (D1) within iron formation units and associated pre-metamorphic axial planar schistosity. A second stage deformation (D2) associated with plutonic activity, produced contact strain and thermal aureoles adjacent to plutons and subsequently developed steeply dipping foliation and aureoles with amphibolite-facies metamorphic grade. The third (D3) stage of regional deformation interfered with D1 folds to produce complex outcrop patterns of domes and basins. The resulting northeast striking shear zones are characterized by steep dips with a southwest plunging mineral lineation. The final stage (D4) of deformation produced continued convergence and subsequently formed the Wabigoon shear zone and its associated splays. The resultant structural complexities within the Abram and Minnitaki Lake belts, along with strong evidence of layer-parallel shearing, suggests the belts have been tectonically stacked and subsequently form repetitive volcanic and sedimentary sequences (Drost and Hunt 1997).

Mineral deposits and prospects of the Wabigoon Subprovince include volcanogenic copper-gold and zinc-copper-silver deposits within volcanic units and iron formations (Blackburn et al. 1991). Mafic and ultramafic rocks contain mineralization associated with granitic pegmatite-related rare metals, uranium and platinum group elements deposits and prospects. Gold deposits are known to be associated with shear zones, quartz-carbonate veins, and within contact strain aureoles developed around large plutons.

6.3 PROPERTY GEOLOGY

The Property is located on the north limb of a westerly plunging syncline that lies adjacent to the Thunder Lake anticline (Figure 10, Beakhouse and Pidgeon 2003). Mafic meta-volcanic and clastic meta-sedimentary rocks predominantly underlie the property. Intermediate to felsic volcanics occur as minor intercalations within the volcanic sequences. Intruded into these units are ultramafic dikes, small alkalic stocks and numerous granite pegmatite dikes.

6.3.1 MAFIC META-VOLCANIC ROCKS

Mafic meta-volcanics are the dominant rock type on the property and stratigraphically correspond to the Brownridge volcanics. The subunits include massive, pillowed, variolitic, plagioclase porphyritic and spherulitic flows, and volcanic conglomerates, tuffs and interflow sediments.

6.3.2 INTERMEDIATE TO FELSIC META-VOLCANIC ROCKS

These rocks occur as narrow, tuffaceous interbeds of dacitic chemical composition within the mafic meta-volcanic rocks.

6.3.3 CLASTIC META-SEDIMENTARY ROCKS

A thick boulder till and proglacial sand cover generally masks clastic meta-sedimentary rocks underlying the extreme northern and southern portions of the property. The clastic meta-sediments are composed of mainly wacke with minor siltstone interbeds.

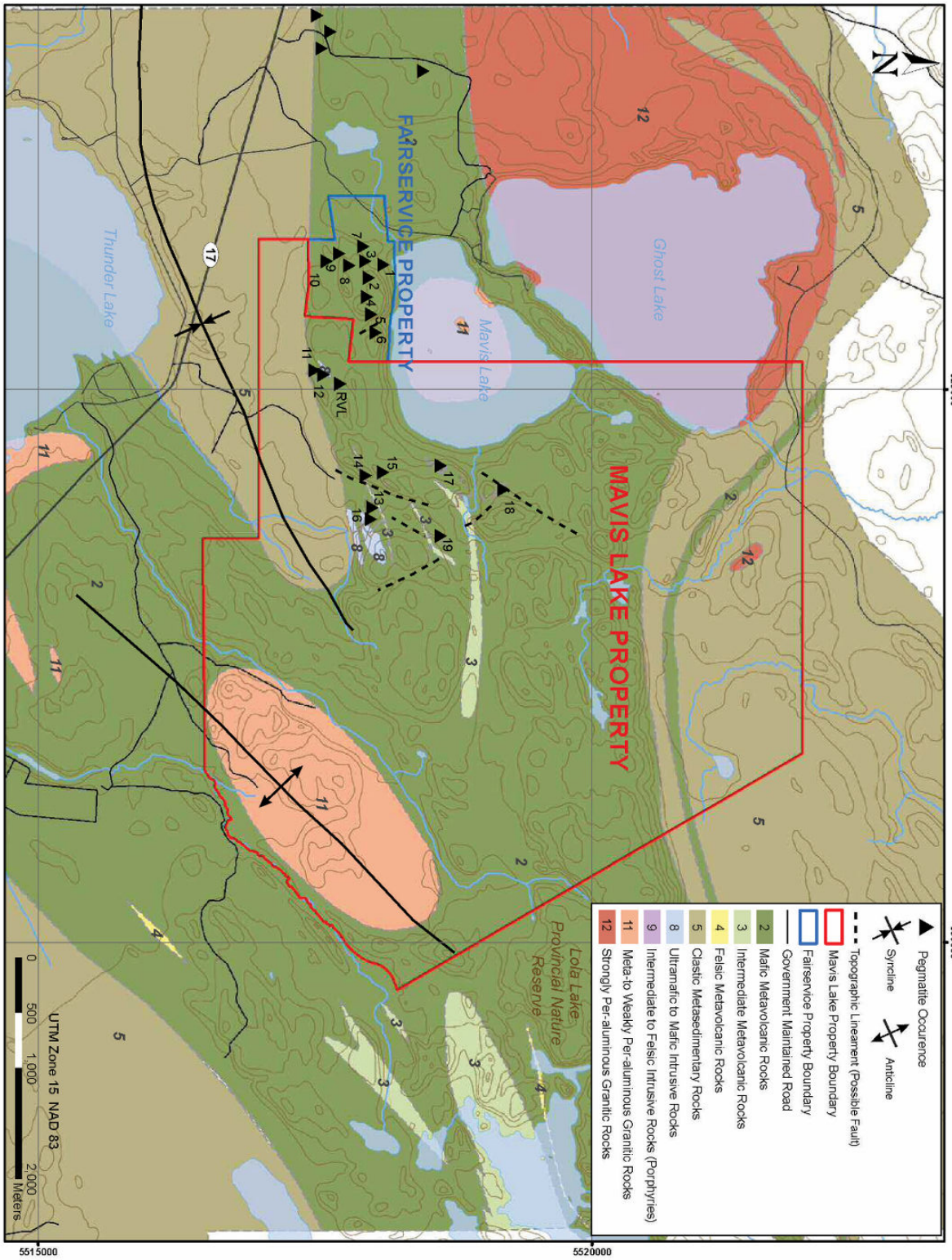


Figure 10: Mavis Lake-Fairservice Property Geology

6.3.4 ULTRAMAFIC TO MAFIC INTRUSIVE ROCKS

Two small bodies of medium to coarse-grained gabbro are located on the south-central part of the property. These rocks are likely interfingered as shallow sills with mafic volcanics though contact relationships are unclear.

6.3.5 GRANITOID STOCKS

Two small, moderately to weakly peraluminous granodiorite stocks have intruded the supracrustal rocks on the property. The larger of the two stocks is 3.0 km long by 1.1 km wide, oblong in shape and occurs in the extreme southeast corner of the property. The second and smaller Mavis Lake stock is a round body approximately 1.0 km in diameter and largely covered by Mavis Lake. A much smaller, 100 by 300 m, strongly peraluminous intrusion, possibly associated with a beryl pegmatite (Beakhouse 2001), is located at the north-central end of the property and comprises granite to granodiorite with minor pegmatite and aplite.

6.3.6 GRANITIC PEGMATITE DIKES

Numerous granitic pegmatite dikes occur on the Mavis Lake and Fairservice properties, ranging from the primary spodumene-bearing to albite-rich, tantalum-enriched varieties. The pegmatites are generally found within the mafic meta-volcanic rocks of the Brownridge volcanics. These pegmatites are part of the Mavis Lake Pegmatite Group (Breaks and Janes 1991) and are linked to the Ghost Lake batholith (Breaks 1989). The Mavis Lake Pegmatite Group is characterized by east-trending concentration of rare element-bearing pegmatites and related metasomatic zones.

Twenty rare-metal pegmatites of the Mavis Lake Pegmatite Group occur on the Mavis Lake and Fairservice properties (Figure 10). Pegmatites 1 through 10 occur on the Fairservice Property and the remaining 10, including Pegmatite TVL discovered during the 2009 TNR Gold Corp. exploration program, occur on the Mavis Lake Property. These pegmatites fall into two zones according to the initial classification of Breaks (1989), based upon systematic variation in rare-element mineralogy and petrochemistry:

- Spodumene-beryl-tantalite zone (Li-Rb-Be-Ta>Nb-B), and,
- Albite-type pegmatite zone (Li>Rb-Be-Ta>Nb and Rb>Li-Be-Ta>Nb).

In the classification of Černý (1991) and recent revisions (Černý and Ercit 2005), these pegmatites represent a mix of albite-spodumene-type, albite-type and complex-type pegmatite dikes. Pegmatites 11, 12, 17 and 18 have been classified as albite-spodumene-type (spodumene-beryl-tantalite zone) and Pegmatites 13, 14, 15, 16 and 19 as albite-type. Geochemically, all these pegmatites belong to the LCT-type (Li-Cs-Ta) pegmatites (Černý 1991).

The granitic pegmatite bodies exhibit an arcuate east to northeast strike pattern around the southeast corner of Mavis Lake. Recent observations from short reconnaissance and recent drilling programs

indicate that pegmatite dip directions are highly variable from steep to flat lying but generally dip to the north. Tops, determined from pillowed flows, are to the south, indicating that the north limb of the syncline has been overturned. Sets of both steep and shallow dipping joints occur throughout the property. Pegmatite bodies on both properties have an affinity for both shallow and steeply dipping joint sets, with thicker pegmatite intersections occurring predominantly within the former, flat lying structures.

7. DEPOSIT TYPES

7.1 GENERAL

The Superior Geological Province contains more than 200 rare-element pegmatite (also termed rare metal pegmatite) occurrences that are hosted by meta-volcanic (52 %), clastic meta-sedimentary (23 %), peraluminous granite plutons (20 %) and tonalite to granodiorite (5 %) rocks (Figure 12, Breaks et al. 2005). Genetically, these pegmatites have been linked to peraluminous, S-type, fertile parent granites and recognition of such parental granites is critical in the exploration for rare elements such as Li, Cs, Rb, Be, Ta, Nb, Ga, Tl and Ge (Breaks et al. 2005). One of the best examples of such parental granites is the Ghost Lake batholith located adjacent to the Property area (Breaks and Moore 1992). A fertile granite is the parental granite to rare metal pegmatite dikes. Some granitic melts have the capability to initially evolve into a fertile granite pluton that subsequently produced episodes of residual melts available to migrate into the host rock via structural anisotropies and crystallize as rare-element pegmatite dikes (Breaks et al. 2003).

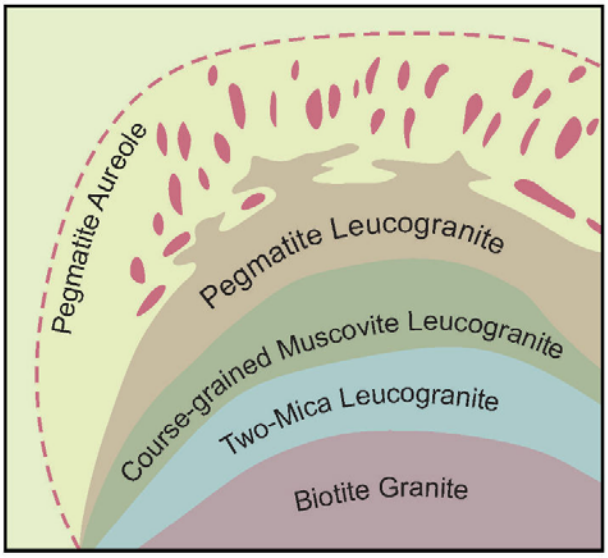
7.2 GENESIS OF PERALUMINOUS GRANITE-RARE METAL PEGMATITE

Pegmatite is a common plutonic rock of variable texture and coarseness that is composed of interlocking crystals of widely different sizes. They are formed by fractional crystallization of an incompatible element-enriched granitic melt. Several factors control whether or not barren granite will fractionate to produce a fertile granite melt (Figure 11, Černý 1991; Breaks 2003):

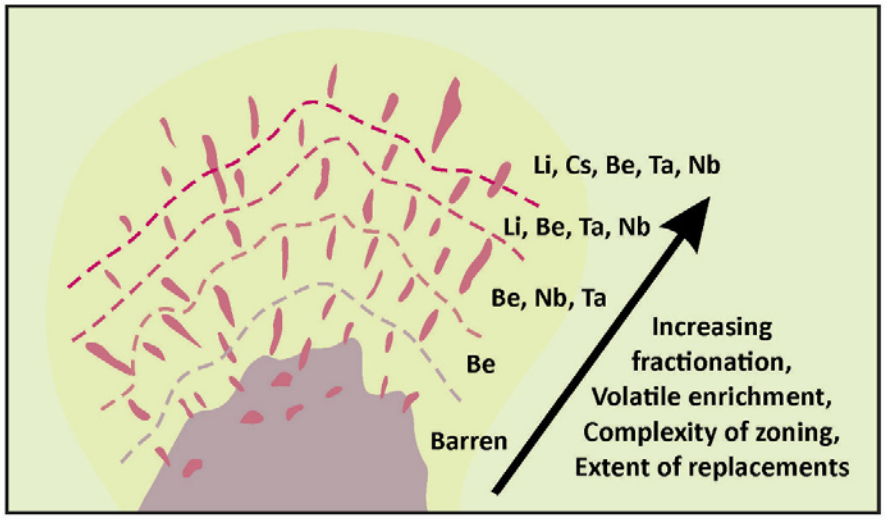
- presence of trapped volatiles: fertile granites crystallize from a volatile-rich melt.
- composition of melt: fertile granites are derived from an aluminum-rich melt.
- source of magma: barren granites are usually derived from the partial melting of a igneous source (I-type), whereas fertile granites are derived from partial melting of a peraluminous sedimentary source (S-type).
- degree of partial melting: fertile granites require a high degree of partial melting of the source rock that produced the magma.

Initially, fractional crystallization of a granitic melt will form barren granite consisting of common rock forming minerals such as quartz, potassium feldspar, plagioclase and mica. Because incompatible rare elements, such as Be, Li, Nb, Ta, Cs, B, which do not easily fit into the crystal of these common rock-forming minerals, become increasingly concentrated in the granitic melt as common rock forming

minerals continue to crystallize and separate from the melt (Breaks et al. 2003). At this point, if the granitic melt is of a volatile-rich modestly peraluminous composition, then further fractional crystallization will lead to fertile granite melt enriched in incompatible rare-elements/metals. The rare metals will remain in the melt until the last possible moment when they will crystallize as pegmatitic minerals such as spodumene, petalite, tantalite, columbite, etc...



a) Schematic representation of regional zonation in a fertile granite (outward-fractionated) with an aureole of exterior of lithium pegmatites



b) Schematic representation of regional zoning in a cogenetic parent granite + pegmatite group. Pegmatites increase in degree of evolution with increasing distance from the parent granite. Cerny 1991, Breaks et al 2003

Figure 11: Regional Zoning in Fertile Granites and Pegmatites.

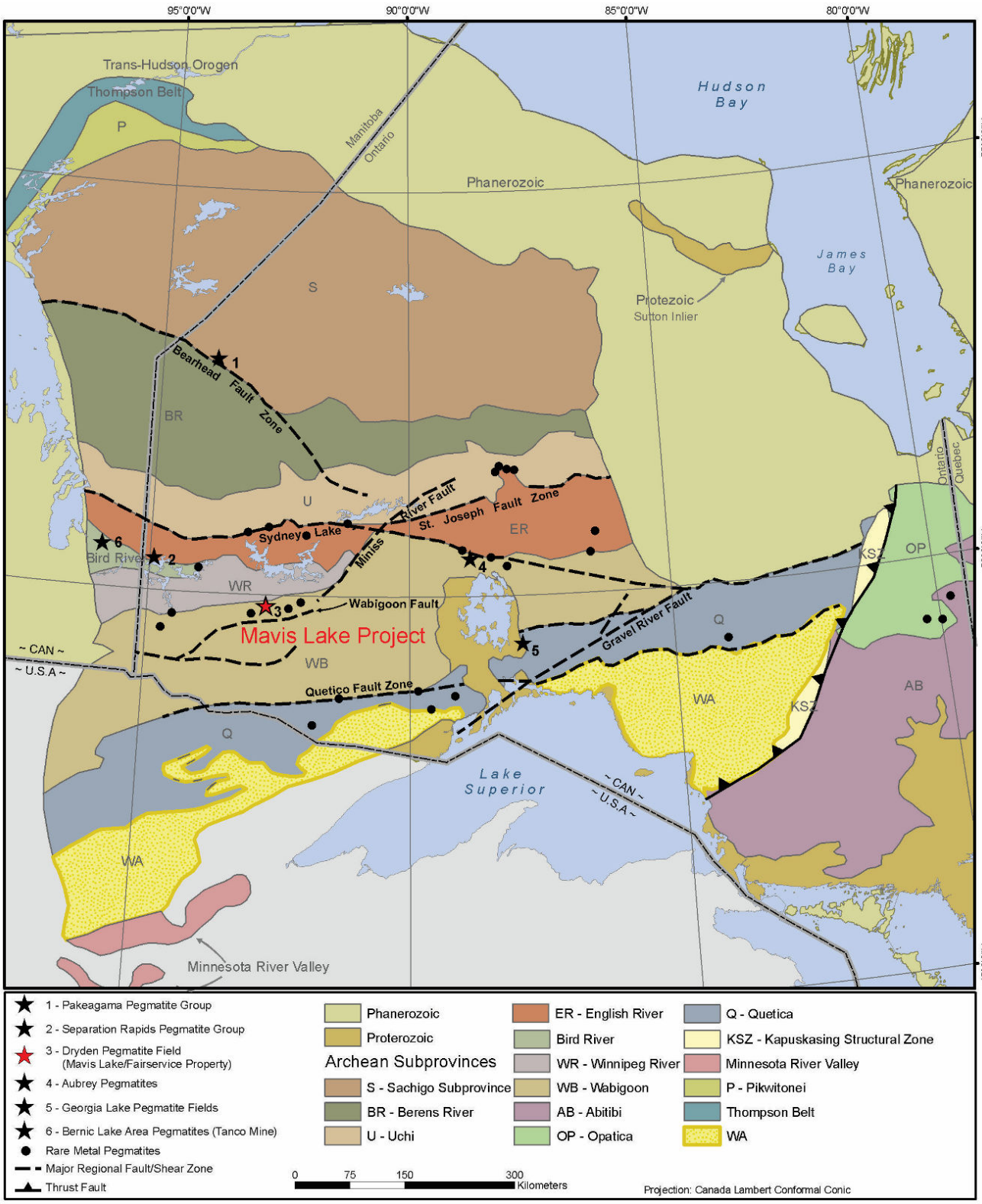


Figure 12; Rare-metal pegmatite occurrences within the Superior Province

After most of the fertile granite pluton has crystallized, the residual fractionated granitic melt that remains as concentrates at the roof of the pluton, can then intrude along rheological contacts, fractures and faults into the host rocks to form pegmatite dikes. The forms of rare metal granitic pegmatite are greatly variable, and are controlled mainly by the competency of the enclosing rocks, the depth of emplacement, and the tectonic and metamorphic regime at the time of emplacement.

7.3 REGIONAL SETTING

The following geological settings of the fertile granites and related pegmatite dikes have been observed within the Superior Province (Figure 12: Breaks and Osmani 1989; Breaks et al. 2005) and include:

- peraluminous, S-type and pegmatite granites typically occurring along or near the boundaries of high-grade (amphibolite to granulite facies), and,
- meta-sedimentary-dominant subprovinces such as the English River, Quetico and Opatica, and,
- fertile, S-type granites situated within medium-grade (greenschist to amphibolite facies) rocks hosted within the Wabigoon Subprovince adjacent to high-grade Winnipeg River and English River subprovinces (e.g., Dryden Pegmatite Field, Separation Rapids Pegmatite Group and Aubrey pegmatites in the Armstrong Field), and,
- rare metal pegmatites and their parental granites occurring along faulted subprovince boundaries (e.g., "Pakeagama Pegmatite Group" along the Bearhead Fault Zone at the Sachigo-Berens River subprovinces boundary - Osmani and Stott 1988; Osmani et al. 1989; Breaks and Osmani 1989; Breaks and Tindle 1998), and,
- lithium-bearing pegmatites located within greenstone belts but are not related to high-grade metamorphic rocks or major fault systems (e.g., Raleigh Lake lithium occurrences - Breaks et al. 2005).

The rare metal pegmatites are regionally scattered throughout the boundary zone between the granitoid-dominant Winnipeg River to the north and the greenstone-granite Wabigoon Subprovince to the south. This 15-40 km by 250 km zone is characterized by:

1. inverted stratigraphy and out-of-sequence thrust stacking of allochthonous meta-volcanic and meta-sedimentary assemblages, ranging in age from 2733±1 to 2703±2 Ma;
2. wide range in metamorphic grade - low to high grade;
3. zones of meta-sedimentary migmatite;
4. two-mica, peraluminous granite plutons distributed over 150 km; and
5. distinctive metallogeny relative to the adjacent Wabigoon Subprovince and Winnipeg River featured by widespread lithophile metal enrichment which is in addition to rare-metal pegmatites.

7.4 LOCAL SETTING

Pegmatites of the Dryden area were initially described and named by Mulligan (1965) as the Dryden Pegmatite Field. The Dryden Pegmatite Field has been subdivided into two distinct pegmatite populations (Figure 8; Breaks 1989, Breaks and Janes 1991, Breaks et al. 2003, 2004):

1. Mavis Lake Pegmatite Group, and,
2. Gullwing Lake-Tot Lake Pegmatite Group

These two groups are approximately 10 km apart. The Mavis Lake Pegmatite Group is linked genetically with the Ghost Lake Batholith (GLB), a late Achaean (2685 Ma), late to post-tectonic, fertile, S-type, peraluminous granite and pegmatitic granite body. According to Breaks and Janes (1991), although both Mavis Lake Pegmatite Group and Gullwing Lake-Tot Lake Pegmatite Group are hosted within amphibolitized mafic meta-volcanic rocks, they differ in their respective structural settings and development processes. The Gullwing Lake-Tot Lake Pegmatite Group is a post-tectonic of unknown genetic linkage with any exposed granite body in the area but contains one of the most highly evolved pegmatites in Ontario. Pollucite-bearing pegmatites occur within this group and, based on their fractionation indices, indicate extreme fractionation that compares with the Tanco pegmatite (Breaks 1989, Černý et al. 1998, Černý and Ercit 2005).

Since the pegmatites belonging to the Mavis Lake Pegmatite Group are the main objective of the current study, the dikes of this group are only discussed in this report. Detailed descriptions of the Gullwing Lake-Tot Lake Pegmatite Group are contained in Breaks and Janes (1991) and Breaks et al. (2003, 2005) to which the reader is referred.

The majority of the rare metal pegmatites within the Mavis Lake Pegmatite Group strike parallel to the foliation of their host rocks and exhibit localized effects of late tectonic deformation such as weakly strained contacts, internal ductile shearing, pull-apart structures involving tourmaline and spodumene and buckling and boudinage of pegmatite granite dikes near the GLB contact (Breaks and Janes 1991). However, those pegmatites (albite-type) that are located in the outermost zone of the Mavis Lake Pegmatite Group are thought to postdate the tectonic deformation as evident by their discordant emplacement and lack of ductile deformational features.

7.5 MAVIS LAKE/FAIRSERVICE PROPERTY DEPOSIT MODEL

Rare-element pegmatites of the Mavis Lake Pegmatite Group, as discussed in the preceding sections, are spatially and genetically linked with the peraluminous, S-type Ghost Lake batholith (Breaks 1989, Breaks and Janes 1991, Breaks and Moore 1992, Breaks et al. 2003 and 2005), of which the extreme eastern end is located within the northwest corner of the Mavis Lake Property (Figure 13). This late tectonic, multi-stage, co-magmatic, subsolvus, 280 square km complex was emplaced principally into the medium and high metamorphic grade clastic meta-sedimentary rocks within the Sioux Lookout Domain.

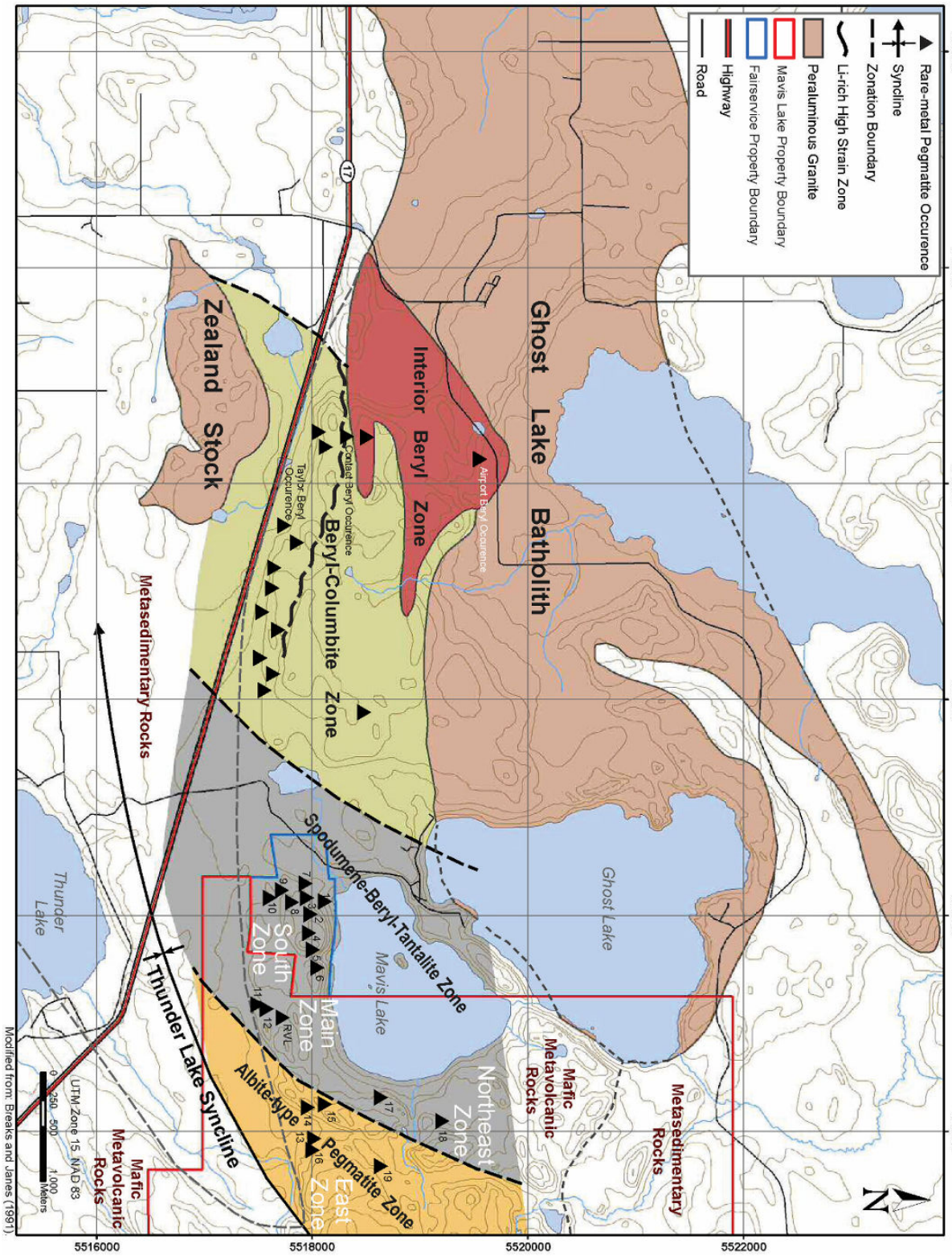


Figure 13: Regional Zonation of Pegmatites in the Mavis Lake Pegmatite Group

The pegmatitic granite units, which occupy the eastern lobe of the Ghost Lake Batholith, form a small zone (10 square km) interpreted as a cupola zone. Bulk chemical characteristics and chemical indices of these units are comparable to fertile pegmatitic granite masses in other fields (Černý and Meintzer 1988). The rare element pegmatite dikes on the Mavis Lake and Fairservice properties and adjacent areas are related both spatially and genetically to this pegmatitic eastern lobe of the Ghost Lake Batholith.

The Mavis Lake Pegmatite Group consists of a 0.8 to 1.5 by 8 km, east trending swarm of pegmatites and related metasomatic zones hosted mostly within the mafic rocks. Pegmatites of this group exhibit a classic regional zonation with increasing distance from the parent Ghost Lake Batholith, as defined by systematic changes in mineralogy, chemical association and extent of post magmatic replacement (Figure 13). With increasing distance east from the Ghost Lake Batholith, the group exhibits the following regional disposition of pegmatite zones and distinctive petrochemistry (Breaks 1989, Breaks and Janes 1991):

1. Interior beryl zone [(Be-B- (Cs) and Rb-Be-F-Sn- (Cs-Ga-Ta>Nb)], and,
2. Beryl-columbite zone [(Be-B-Nb>Ta-P- (Cs)], and,
3. Spodumene-beryl-tantalite zone (Li-Rb-Be-Ta>Nb-B), and,
4. Albite-type pegmatite zone (Li>Rb-Be-Ta>Nb and Rb>Li-Be-Ta>Nb) pegmatites.

The interior beryl zone is 1.5 by 3.5 km area of garnet-tourmaline-muscovite-enriched pegmatitic granites within the Ghost Lake Batholith (Figure 13). This zone resides within the eastern lobe of the Ghost Lake Batholith and is characterized by sporadic green primary beryl in potassic pegmatite dykes and masses.

The beryl-columbite zone occurs within mafic meta-volcanic country rocks adjacent to contact of the batholith. The rare-metal mineralization occurs in muscovite-tourmaline potassic pegmatites (e.g., Taylor 1 and Taylor 2 pegmatites) or in locally albitized pegmatites (e.g., Contact Beryl Occurrence). The Taylor pegmatites contain localized "emeralds" that formed adjacent to phlogopite-rich metasomatic selvedges derived from fluid interaction with the ultramafic host (peridotite sill). Brand et al. (2009) recently published a detailed account on a petrographic-mineralogical study of the emerald mineralization of the Taylor emerald occurrences.

The spodumene-beryl-tantalite zone occurs 2.5 to 6 km from the Ghost Lake Batholith contact. Within this zone, a swarm of spodumene-enriched pegmatites 1 to 19, plus the newly discovered RVL pegmatite, extends easterly from the adjacent Fairservice mining leases onto the Mavis Lake mining claims (Figure 13). It is cautioned that rare-metal pegmatites of the Dryden Pegmatite Field individually vary in terms of pegmatite type, modal mineralogy, grain size, internal zonation of rock units and Li2O content. Therefore the lithium mineralization on both properties may or may not compare with other lithium pegmatites of the area. Besides lithium-rich spodumene pegmatites within this zone, this pegmatite also contains Ta-Nb-Sn oxide minerals such as mangano-columbite, tantalite, wodginite, tantalian rutile and cassiterite (Tindle et al. 2002). The pegmatites contained within this zone on both

properties strike parallel to sub-parallel to foliation in the mafic meta-volcanic host rocks in an arcuate orientation along the margins of the GLB.

Albite-type pegmatite zone represents the distal zone, in which the pegmatites comprise less than 1.0 m thick sheets composed of units rich in albite (sodic albite and albitite) contain fine-grained aggregates of green muscovite and albite formed after primary spodumene. Other minerals include mangano-tantalite, white beryl, fluorapatite and highly evolved compositions of tourmaline.

The rare metal pegmatites on the Mavis Lake and Fairservice properties occur in a swarm of flat lying to near vertical dikes hosted within mafic meta-volcanic rocks and contain some minerals identical to the Tanco deposit in southeastern Manitoba (Černý and Ercit 2005). For example, wodginite, the chief ore mineral at the Tanco deposit, also occurs in several pegmatites in the MPG (Tindle et al. 2002). On the basis of systematic changes in mineralogy, chemistry and metal association, these pegmatites are classified as albite-spodumene-type with beryl and tantalite, albite-type, and complex-type with lithium tourmaline, tantalite and wodginite group minerals.

Pegmatites on both properties are historically correlated with a substantial lithium lithogeochemical anomaly within the mafic metavolcanic host rocks, with a minimum length of 3.4 km and up to 700 m wide. This anomaly was extended further by TNR Gold Corp. 1.1 km to the northeast beyond this known historical length. This lithium anomaly remains open to the east onto the Mavis Lake Property and also is open to the west on the adjacent Brady property.

8. MINERALIZATION

The 10 by 30 km area within the eastern Sioux Lookout Domain which is host to numerous rare metal pegmatites in the Dryden area is known as the Dryden Pegmatite Field (Mulligan 1965) (Figure 8). The Dryden Pegmatite Field is populated by two distinct pegmatite clusters (Breaks and Janes 1991) that occur roughly 10 km apart:

1. Mavis Lake Pegmatite Group in the Mavis Lake-Fairservice area, with a 2665 ± 10 Ma age (Smith 2001), and,
2. Gullwing Lake-Tot Lake Pegmatite Group in the Gullwing Lake and Tot Lake areas of unknown mineralization age.

Rare-metal mineralization (e.g., lithium, tantalum, cesium, and rubidium) on the Mavis Lake/Fairservice property occurs in granitic pegmatite, sodic aplite and albitite dikes, which are typically hosted in mafic meta-volcanic rocks. These pegmatite dikes are genetically related to the Ghost Lake Batholith, a parent peraluminous, S-type granite that partly lies within the northwest corner of the Mavis Lake mining claims, and to the north of the Fairservice mining leases. The characteristic economic minerals associated with rare metal mineralization within this pegmatite field are spodumene, tantalite-columbite and tourmaline. Holmquistite, an exomorphic lithium-bearing amphibole, is another lithium mineral that occurs within a rare-metal pegmatites metasomatic halo within host rocks.

The 20 known pegmatites of the Mavis Lake and Fairservice properties, 1 through 19 and RVL (), represent a mix of albite-spodumene-type, albite-type and complex type dikes (Breaks et al., 2003). Geochemically, all of these are classified as LCT-type pegmatites (Cerny 1991), however, pegmatites 11, 12, 17 and 18 are further classified as albite-spodumene-type (spodumene-beryl-tantalite zone), and Pegmatites 13 to 16 and 19 are classified as albite-type.

The spodumene-beryl-tantalite zone is defined by the initial appearance of spodumene in pegmatites of the albite-spodumene-type (Cerny, 1991), which is located about 3.5 km from the Ghost Lake Batholith contact with the mafic (Brownridge) meta-volcanics (Breaks and Janes 1991). Swarms of tabular pegmatites dikes, up to 15 m in thickness and 280 m in length, generally strike parallel to the foliation in the host rock. Pegmatite bodies on the Mavis Claims have less identifiable or developed zoning when compared to pegmatites on the adjacent Fairservice Claims. Pegmatite 1 on the adjacent Fairservice Claims contains three gradational zones of increasing quartz content: (a) potassic pegmatite with minor interstitial spodumene and quartz, (b) spodumene-quartz-rich pegmatite, and (c) a discontinuous quartz-rich zone with minor spodumene, blocky microcline and beryl.

Pegmatite 14 is typical of the intensely albitized sheets and only ten percent of the dike contains recognizable spodumene relics. Most of Pegmatite 14 consists of 20-25 % fine-grained white smoky quartz embedded in a mass of white-pink albite. Beryl occurs sporadically in Pegmatites 13, 14 and 15 as subhedral white to bluish-white crystals embedded with quartz and albite.

Intense tourmaline replacement of underlying massive mafic meta-volcanics is especially conspicuous near the northwestern end of Pegmatite 16. Scheelite was identified by ultraviolet examination in vein system underlying Pegmatite 16 and in similar veins between Pegmatites 13 and 14, near the main dykes of the East Zone. In the case of Pegmatite 16, it is clear that the tungsten mineralization is genetically associated at least with the tourmaline-rich veins occurring with spodumene bearing rare element pegmatites of the East Zone (Breaks 1989).

Tantalum-, niobium- and tin-bearing minerals were confirmed in albite-type and albite-spodumene pegmatites on the Property by 106 electron microprobe analyses (Tindle et al. 2002). These minerals were verified as mangano-tantalite, mangano-columbite, ferro-columbite, cassiterite and wodginite group [Mn (Sn,Ta)Ta_2O_8].

The North or Northeast Zone comprises Pegmatites 17 and 18 that have minimum respective strike lengths of 240 m and 214 m. Pegmatite 18 consists of several en-echelons, stacked pegmatite sheets that strike 135° with variable northeast dips of 15 to 43 degrees. This attitude is approximately normal to the regional foliation strike in the host massive to pillowed mafic volcanics.

The main primary assemblage in Pegmatite 18 consists of muscovite-tourmaline-K-feldspar-albite-spodumene-quartz pegmatite, which is considerably less coarse than comparable primary assemblages from the South Zone and on the Fairservice property. Spodumene is usually light green and it ranges in abundance from 23 to 53 volume %. Beryl, columbite-tantalite, and holmquistite are sparse.

Small quantities of scheelite are disseminated within calc-silicate pods and layers in mafic meta-volcanic rocks situated within up to one metre from the spodumene pegmatite contact. The occurrence of axinite $(Ca,Fe,Mn)_3Al_2BO_3Si_4O_{12}OH$ in these calc-silicate domains suggests that boron was introduced from nearby albitized spodumene pegmatites.

9. ADJACENT PROPERTIES

The Mavis West property is located immediately west of the Project and was contiguously staked in 2016 straddling the Zealand and Brownridge Townships. The 100% Company owned Mavis West project consist of 3 unpatented mining claims are believed to capture the same prospective mafic-metavolcanic and rare-metal bearing pegmatite stratigraphy as the Fairservice patented leases and Mavis Lake claim group.

by Immediately and contiguously to the west of the claim group is the Mavis West Other granite pegmatite-associated mineralization, such as the 'emerald' and 'tungsten' occur 5-7 km west of the Mavis Lake Property. These occurrences are hosted within the mafic meta-volcanic host rocks near the Ghost Lake Batholith contact. The emerald/green beryl mineralization, popularly known as the "Taylor Emerald occurrence", occurs within intensely metasomatized pegmatites along the contact with a meta-ultramafic unit.

D. Petrunka discovered tungsten mineralization near Sharpe Lake in the late 1960's, which was later evaluated by Noranda Mines Limited. In 1982, Sanmine Exploration Inc. explored the Petrunka showing and adjacent area by extensive trenching and diamond drilling program. The main showing revealed an historical value of 0.095 wt. % WO_3 over 3.5 m (Breaks and Janes 1991).

Other significant rare metal mineralization occurs in the Gullwing and Tot lakes areas, located about 10-15 km northeast of the Project. The rare metal pegmatites, which occur as clusters in this area, have been named the "Gullwing Lake-Tot Lake Pegmatite Group" by Breaks and Janes (1991). In addition to rare metal mineralization, such as Li, Ta, Cs and Rb, some of the pegmatites of this group are also mineralized with Mo, Cu, and Bi.

10. 20016-2017 EXPLORATION PROGRAMS

10.1 LITHOGEOCHEMISTRY SURVEY

A total of 260 host rock samples were collected on the property from September 26th to October 4th, 2016 (“Survey”). Sampling sites from this phase of work are highlighted in Figure 14 and detailed 1:2,500 ANSI D format maps are located in Appendices II and III. Forestry clear cutting since the last phase of diamond drilling work in 2013 has exposed a sizable area to the eastern reach of the Fairservice mining leases as well as the Southwest and Southern part of the Mavis claim group. With the expectation of being able to test new bedrock sources from clear-cutting, the lithogeochemistry program was

principally designed to fill recognizable gaps within historical data and also to extend sampling at a few isolated sections of the historical grids to the East and Northeast of Pegmatite 16, 18 and 19. Traverses were designed at a spacing of 50m and sampling density was 25 metres. Geochemical data analysis was conducted on the entire sample set of historical samples and the results and subsequent lithium threshold selections are highlighted in Maps within Appendices II and III.

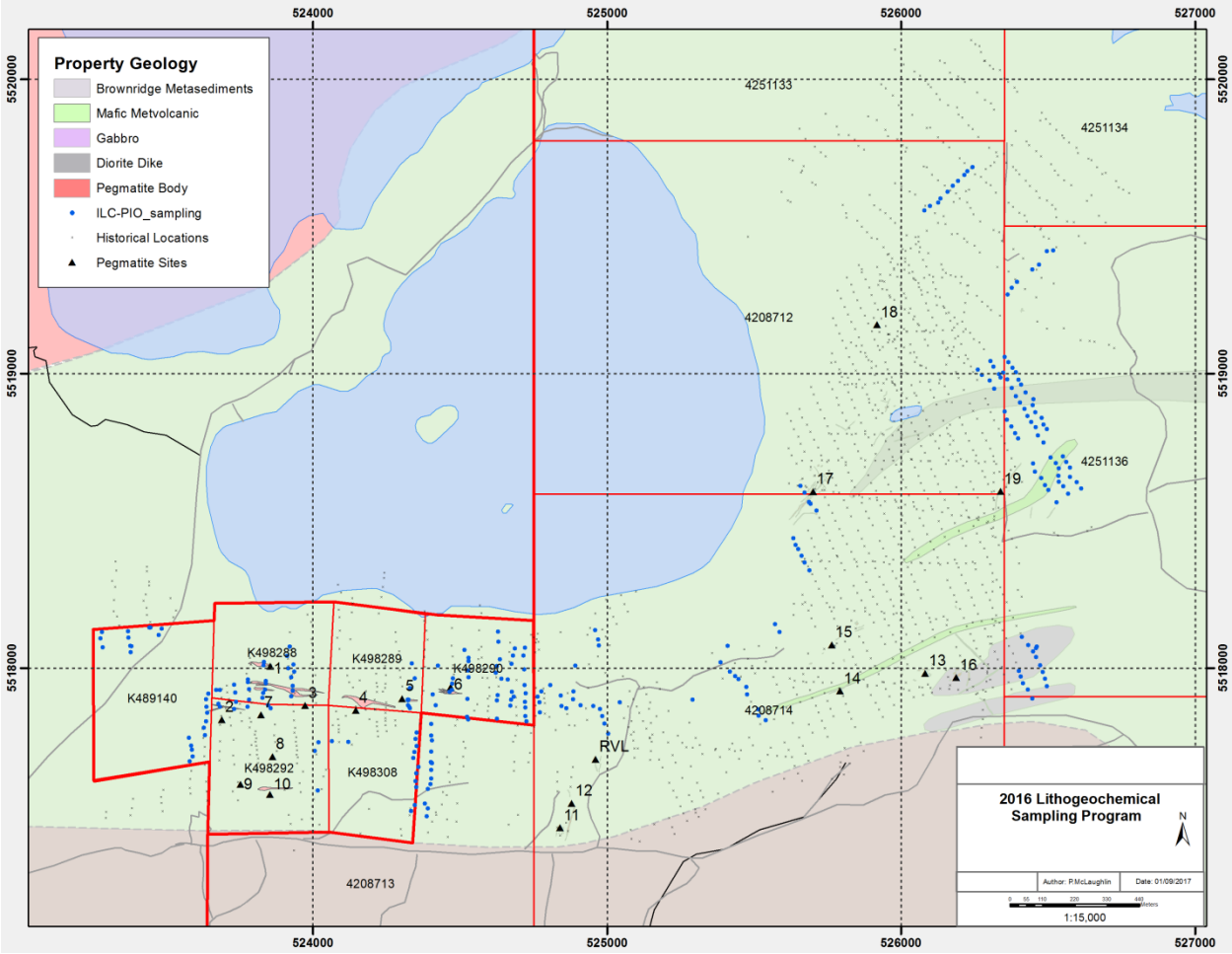


Figure 14: General location maps of bedrock samples taken during survey

10.1.1 SAMPLING PROTOCOLS

Approximately 0.3-0.5 Kg sample of bedrock was collected as a point sample from each site. CMG technical field crews comprising P.McLaughlin (supervisor), J. Lewis (Sr. Technician) and D.Mackay (Geologist) conducted the sampling with the support of local help from Wabigoon Lake Ojibway Nation ("WLON"). Great care and diligence was taken to collect a fresh sample absent of any veining or weathering from the station or outcrop. Any exceptions to these procedures were captured in the comments. Sampling site location information was collected using a Garmin 60cs handheld GPS unit and a fragment of the sampled material was wrapped in flagging with the sample number written on it and placed at the site and another string of flagging was hung from the nearest branch.

Bedrock samples were bagged and delivered in person to the Activation Labs Dyrden prep facility and where prepared using the RX-1 package which includes crushing to 90% passing 2mm, riffle split (250g), pulverizing (mild steel) to 95% passing 105µ. Due to the refractory habit of pegmatite mineral assemblages an aggressive Sodium Peroxide fusion digestion combined with an ICP and ICP-MS in Actlabs UT-7 package (Table 17).Samples above the upper detection limit of 10000pm Li were further analyzed using and ore-grade Code 8 digestion and ICP-OES finish. The same lab procedures were used for the handling and processing of all core samples from the diamond drilling program.

10.1.2 Interpretation

After completion of the Survey it is of the Author's opinion that most if not all of the exposed bedrock and prospective ground within the historical grids has been sampled by the of this season of work. The aforementioned gaps within the data are a direct result of low lying swamp and a paucity of outcrops. Nevertheless, the results from this work program continue to support the significance of lithium enrichment along the Main pegmatite zone in addition to substantiating and extending the strike potential of the parallel Southern Zones in both the western and eastern directions of Pegmatite 8 and 10 (Map 1 in Appendix II). The western extents of both the Main Zone and parallel Southern Zones are truncated only by low-lying glacial cover with this area still remaining highly prospective and open to other exploration methods.

Sampling results from traverses East of pegmatite 19 and 16 emphasize anomalous lithium results of greater than 200ppm. Although this area has been previously classified within the distal Albite-type pegmatite zone by Breaks (1989) as show in Figure 13, field staff did identify narrow spodumene-bearing veins 350m ENE of Pegmatite 16 within the sampling traverses as well as spodumene crystals many cm's in length at Pegmatite 19. Consequently, the Albite-spodumene type pegmatite boundaries should widen further East to capture these occurrences and thus representing a much greater exploration corridor for future work.

Twelve (12) pegmatite samples were collected during the field program and are plotted in Figure 15. Although a portion of collected samples were obtained from known sites, several sampling locations correspond to new discoveries. As such, the initial numbering scheme developed by previous operators was updated to incorporate all new occurrences since 2009 to avoid any ambiguity for future work programs with details and changes listed in Table 18.

Table 17: Activation Labs Ultratrace-7 elements and detection limits

Element	Detection Limit	Upper Limit	Reported By	Element	Detection Limit	Upper Limit	Reported By
Al	0.01%	25%	ICP	Mo	1	10,000	ICP/MS
As	5	10,000	ICP/MS	Nb	2.4	5,000	ICP/MS
B	10	10,000	ICP/MS	Nd	0.4	5,000	ICP/MS
Ba	3	10,000	ICP/MS	Ni	10	10,000	ICP/MS
Be	3	5,000	ICP/MS	Pb	0.8	5,000	ICP/MS

Bi	2	5,000	ICP/MS	Pr	0.1	1,000	ICP/MS
Ca	0.01%	40%	ICP	Rb	0.4	5,000	ICP/MS
Cd	2	5,000	ICP/MS	S	0.01%	25%	ICP
Ce	0.8	5,000	ICP/MS	Sb	2	5,000	ICP/MS
Co	0.2	5,000	ICP/MS	Se	0.8	5,000	ICP/MS
Cr	30	10,000	ICP/MS	Si	0.01%	30%	ICP
Cs	0.1	5,000	ICP/MS	Sm	0.1	1,000	ICP/MS
Cu	2	10,000	ICP/MS	Sn	0.5	10,000	ICP/MS
Dy	0.3	5,000	ICP/MS	Sr	3	10,000	ICP/MS
Er	0.1	5,000	ICP/MS	Ta	0.2	10,000	ICP/MS
Eu	0.1	1,000	ICP/MS	Tb	0.1	1,000	ICP/MS
Fe	0.05%	30%	ICP	Te	6	10,000	ICP/MS
Ga	0.2	5,000	ICP/MS	Th	0.1	1,000	ICP/MS
Ge	0.7	5,000	ICP/MS	Ti	0.01%	25%	ICP
Gd	0.1	5,000	ICP/MS	Tl	0.1	1,000	ICP/MS
Hf	10	5,000	ICP/MS	Tm	0.1	1,000	ICP/MS
Ho	0.2	1,000	ICP/MS	U	0.1	10,000	ICP/MS
In	0.2	1,000	ICP/MS	V	5	10,000	ICP/MS
K	0.10%	25%	ICP	W	0.7	5,000	ICP/MS
La	0.4	10,000	ICP/MS	Y	0.1	1,000	ICP/MS
Li	3	10,000	ICP/MS	Yb	0.1	1,000	ICP/MS
Mg	0.01%	30%	ICP	Zn	25	10,000	ICP/MS
Mn	3	10,000	ICP/MS				

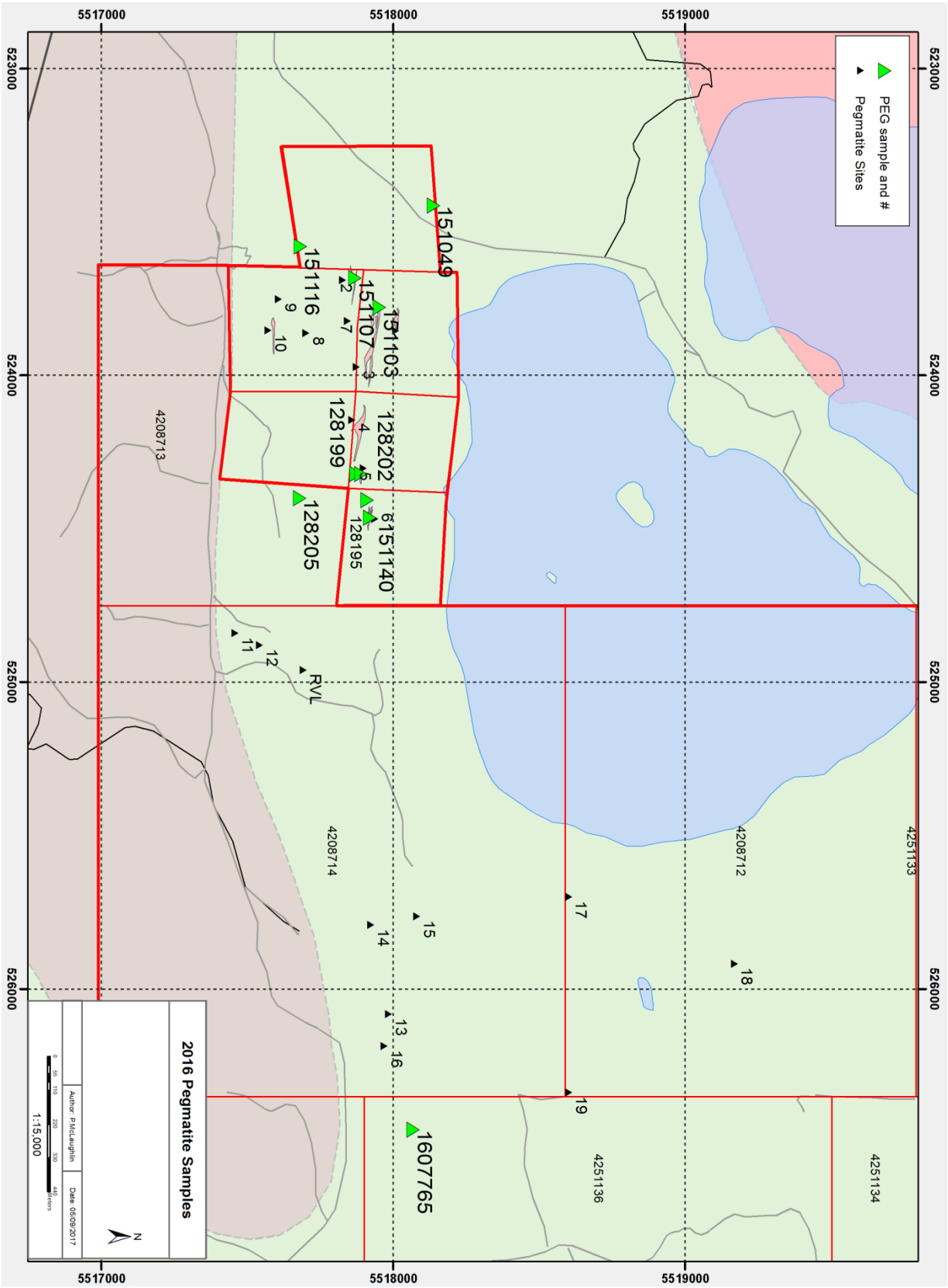


Figure 15: Pegmatite samples collected during the 2016 lithogeochemistry sampling program. Pegmatite re-numbering scheme was characterized aftwards.

Table 18; Pegmatite site re-numbering scheme

Previous Designation	New ID	mE	mN	Comments
1	1	523855	5518006	Numbering remains unchanged
2	2	523690	5517825	Numbering remains unchanged
3	3	523973	5517872	Numbering remains unchanged
4	4	524146	5517857	Numbering remains unchanged
5	5	524303	5517896	Numbering remains unchanged
6	6	524468	5517935	Numbering remains unchanged
7	7	523823	5517841	Numbering remains unchanged
8	8	523863	5517699	Numbering remains unchanged
9	9	523753	5517605	Numbering remains unchanged
10	10	523854	5517570	Numbering remains unchanged
11	11	524841	5517457	Numbering remains unchanged
12	12	524880	5517540	Numbering remains unchanged
13	13	526083	5517983	Numbering remains unchanged
14	14	525793	5517922	Numbering remains unchanged
15	15	525764	5518079	Numbering remains unchanged
16	16	526188	5517968	Numbering remains unchanged
17	17	525701	5518599	Numbering remains unchanged
18	18	525919	5519167	Numbering remains unchanged
19	19	526339	5518600	Numbering remains unchanged
RVL	20	524961	5517690	Discovered and designated during the 2009 field season by TNR resources
Sample #128195	21	524407	5517909	Bedrock pegmatite exposed by heavy equipment likely during the 2011 drilling season. Drill tested by MF11-12 and MF11-13. Pegmatite contains coarse Spodumene crystals and is along strike of pegmatite #6 and initially interpreted to be the surface projection of wide pegmatite intersection below swamp north of Pegmatite 6
JWL-128205	22	524404	5517676	Outcrop exposed from forestry heavy equipment and consists of narrow vein and veinelts of both multi-cm spodumene and replaced spodumene crystlas. Discovered by J.Lewis during 2016 field season.
Sample #1607765	23	526460	5518067	An Albite-spodumene pegmatite hosted in Gabbro approximately 350m east of Pegmatite 16. Obvious multi-cm spodumene last that have been partially replaced by green muscovite and albite? Footwall remnants of a pegmatite exposed as multi-meter wide outcrop.
Peg 6.5	24	524663	5517899	Pegmatite exposed along south side of gully re-discovered after Lun-echo during 2016 sampling program. Albite-spodumene type with coarse tantalite. Drill tested dy Lun-Echo hole B-3.
*Locations in UTM_nad83 Zone 15N				

10.2 DIAMOND DRILLING

A 1305.0m meter diamond drilling program was conducted on the property from January 29th to March 10th, 2017 by Distinctive Drilling Ltd. out of Dryden, Ontario under the direct supervision of CMG staff. An attempt to mobilize crews and initialize the drilling in late November 2016 was regrettably suspended shortly afterwards its initiation amid atypical seasonal conditions of warm weather and rain. It was determined to postpone the drill program until 2017. A complete list of drill collar details and hole location information is summarized in Table 19.

Twelve (12) holes were drilled at two primary target areas across the property. Four holes (MF17-39, 40, 49 and 50; Photo 1), totaling 698.0 metres were drilled to continue testing the subsurface extents of the anomalously thick pegmatite occurrences intersected in historic holes MF-11-12 and MF12-24. One hole (MF17-41) was drilled to test a pegmatite outcrop assumed to have been tested from the wrong direction by Lun-Echo in drillhole B-3. Six holes (MF17-42 through 48) totaling 539.0 metres drill tested the potential of Pegmatite 18 (Photo 2).

Given the highly irregular shape and emplacement geometry of pegmatites across the Project area, core orientation technology utilizing the Reflex ACTIII was implemented on all holes from this season to better understand contact relationships and possible subsurface thickening directions.

Drill collar location information was gathered using a Garmin 60Csx however co-ordinates were also surveyed using a chain and compass in areas with closely spaced collars.

Detailed diamond drill logs, drilling cross sections and analytical certificate are respectively attached in Appendix IV, V and VI

Table 19: Drill hole collar details from the 2017 drilling program

Collar ID	Easting-mE	Northing-mN	Elevation_asl	Azimuth	Dip	Length_m	CRS
MF17-39	524382.00	5518032.00	420	80.0	-75.0	179.0	UTM15N/NAD83
MF17-40	524380.00	5518032.00	420	40.0	-70.0	194.0	UTM15N/NAD83
MF17-41	524680.00	5517858.00	428	0.0	-51.0	68.0	UTM15N/NAD83
MF17-42	525916.00	5519124.00	437	60.0	-50.0	113.0	UTM15N/NAD83
MF17-43	525911.00	5519128.00	437	5.0	-50.0	62.0	UTM15N/NAD83
MF17-44	525941.00	5519111.00	438	130.0	-50.0	68.0	UTM15N/NAD83
MF17-45	525907.00	5519081.00	442	135.0	-50.0	77.0	UTM15N/NAD83
MF17-46	525883.00	5519099.00	443	10.0	-70.0	71.0	UTM15N/NAD83
MF17-47	525855.80	5519050.70	439	100.0	-55.0	80.0	UTM15N/NAD83
MF17-48	525854.00	5519050.00	439	0.0	-70.0	68.0	UTM15N/NAD83
MF17-49	524387.70	5518034.91	420	93.0	-63.0	161.0	UTM15N/NAD83
MF17-50	524403.96	5518035.87	420	93.0	-63.0	164.0	UTM15N/NAD83

Photo 1: Diamond drill and equipment at drillholes 39, 40, 49 and 50

Photo 2: Pegmatite 18 outrop with historical channel sample and drill tested by MF17-44

10.2.1 Core Logging Procedures

After accepting, organizing and opening the core boxes, the core start and end depths contained within the box were marked on the box within the nearest 5cm. Scratch tags were stapled on to the front end of the box giving the hole ID, box number and the interval contained within the box in meters.

While core logging, sampling intervals were established by observational changes in lithology, mineralization, and alteration, with a maximum sample length of 2 metres and a minimum sample length of 0.3 metres. Samples exceeding the predetermined maximum or minimum lengths were used for special cases only and sparingly. Sampling procedures are designed to not transect major rock unit contacts as well as internal zoning boundaries, where applicable. Internal zoning is typically only identifiable within the larger pegmatite bodies.

Core logging details were captured in a multi-tab excel spreadsheet that has been formatted for easy importation in to a central managed database. The spreadsheet is formatted to capture all information and meet all requirements on the Ontario Regulation 6/96 for assessment work under the Mining Act. The spreadsheet contains drillhole header details, major and minor lithology interval data, alteration and sampling information. The drill log header sheet provides all the primary drillhole and collar information. The drill logs describe all the pertinent information for the major and minor lithological units. Core box intervals, sampling attributes and survey information are logged in a separate pre-formatted excel spreadsheet labelled 'MFXX(yr)-XX(DH number)_Drill Hole data'. A tab within the pre-formatted excel spreadsheet, labelled 'Intervals', will give coded information about the lithology, alteration, mineralization, structure and assay data of individual sampled intervals. All of the information used for the core logging on the 'intervals' tab regarding lithology codes, distribution of alteration and its intensity, mineralization and structure are given in the 'Legend' tab (Table 20).)

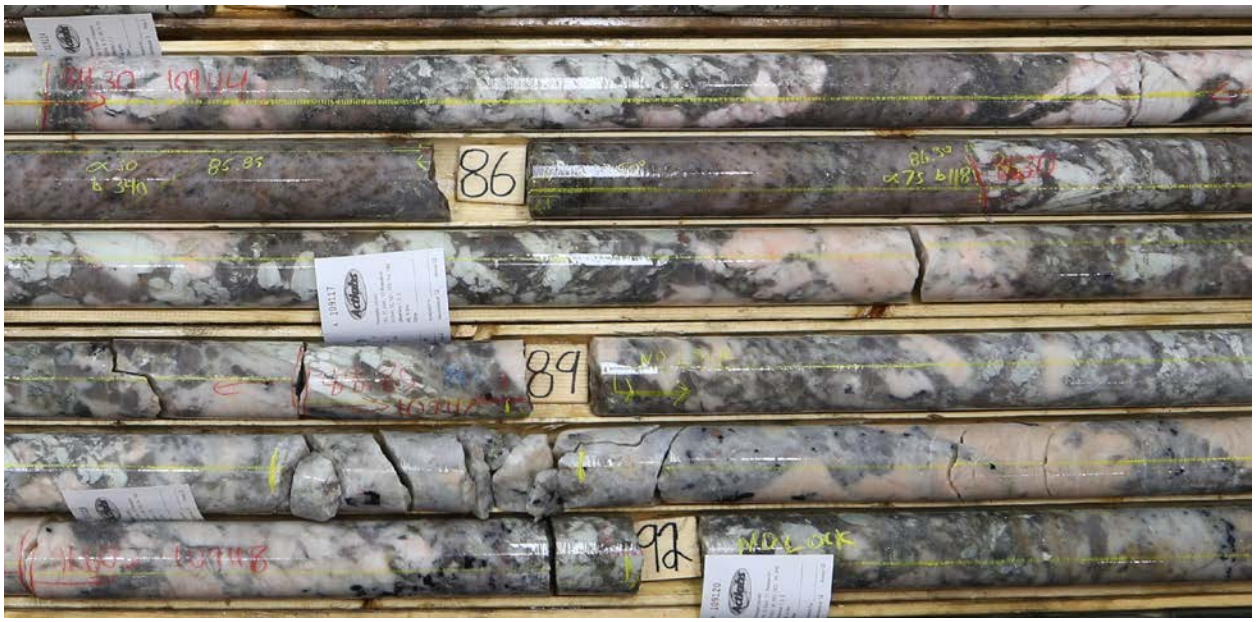


Photo 3: Core photo highlighting sampling procedures (red crayon) and captured core orientation measurements (yellow)

Table 20: Core Logging legend and item descriptions

2017 Mavis_Fairservice
Diamond Drilling

LEGEND

Major		Minor lithocode	
mv	Mafic Metavolcanics	4a	Quartz-rich pegmatite, blocky quartz core zone+/-microcline+/-spodumene
iv	Intermediate Metavolcanics	4b	Spodumene-rich pegmatite
fv	Felsic Metavolcanics	4c	Microcline-rich pegmatite, blocky microcline+/-quartz+/-spodumene+/-muscovite
prg	Pegmatite	4d	Sodic aplite, megacrystic albite (cleavelandite) with quartz-spodumene pegmatite
sed	Metasediments	4e	Albite-quartz-spodumene sodic pegmatite
ovbd	Overburden	4f	Albite-quartz-tourmaline pegmatitic veins
gab	Metagabbro	mv1	Pillow MV
		mv2	Tuff MV
		mv3	Massive MV
		qv	quartz vein
		amph	amphibolite
		vclas	volcaniclastic

Target_Area	
Peg 18	
Peg 6.5	
Gabbro Peg	
Peg 17	
Mirrored Peg	
Peg 11-12	
Peg JWL	

Distribution of Alteration		*Texture*	*Mineral Assemblage**	*Notes*
E1	Envelope (wall rock)	Recrystalization	Biotite	Metasomatism of wall rocks adjacent to pegmatite
E2	Envelope (wall rock)	Recrystalization	Tourmaline	Metasomatism of wall rocks adjacent to pegmatite
E3	Envelope (wall rock)	Recrystalization	Holmquisitite	Metasomatism of wall rocks adjacent to pegmatite
M1	Mineral (pegmatite)	Replacement	Albite	Patchy to pervasive albitization of k-feldspar in pegmatite
M2	Mineral (pegmatite)	Replacement	Sericite	Yellow-green sericite replacing spodumene in pegmatite

Alteration Intensity		
1	subtle	in trace amounts, localized, patchy or limited distribution on fractures
2	weak	<2 % alteration minerals, possibly pervasive, stronger localized, patchy
3	moderate	2-5 % alteration minerals, weakly pervasive, intense localized, patchy
4	strong	5-30 % alteration minerals, pervasive
5	intense	> 30 % alteration minerals, strongly nearly totally pervasive

Spd	Spodumene	Ksp	K-feldspar	Py	Pyrite
Ta/Col	Tantalite-Columbite	Qtz	Quartz	Mcl	Microlite
Tur	Tourmaline	Ab	Albite	Cst	Cassiterite
F-ap	Fluoro-apatite	Ms	Muscovite	Ilm	Ilmenite
Brl	Beryl	Grt	Garnet		

Initials	
PM	P.Mclaughlin
DM	Duncan Mackay
GS	Greg Sotiropoulos
MF	Mariana Felipe
JH	John Harrop

The section of the sample tags left in the core box was filled out with the interval data. Scratch tags inscribed with the sample ID were stapled at the same position as the assay tag at the start of the sampled interval. The beginning and end of the sampled interval was marked with a grease pencil on the core and core box. QAQC samples were inserted at regular intervals and labelled with the control sample type inscribed on the scratch tag. These tags were inserted in the box with the preceding sample interval sample tag and scratch tag. The start and end of each sample interval was marked by a metal tag to minimize core shifting within the core box.

Prior to taking photos, drill core was oriented such that the dominant foliation, shearing or bedding will make 'mirror images' of the two split halves of the core once cut. Photos were taken of both wet and dry core with a white board marked with the hole-id, box numbers and the "from-to" placed at the top of the set of boxes being photographed. Photographs, wet and dry, were also taken of split and sampled intervals.

After cutting, the samples were cross referenced to the 'Intervals' tab in the log for completeness and loaded into rice bags for delivery. A record of the samples contained in each rice bag has been kept for each shipment. 'Rice bags' were labelled with the sample numbers contained in the bag as well as the client name, address and phone number. Split samples were kept in a secure location until the moment where they were delivered by a qualified CMG staff member to the Actlabs preparation facility in Dryden, Ontario.

All of the Projects diamond drill core from 2011 onwards is stored in a locked field 2.5 Km's west of Dryden (507960mE; 5518030mN (NAD83_UTM_Zone 15N)).

10.2.2 Structural Measurements

Oriented core measurements were collected for all twelve holes during the program using a Reflex ACT III instrument. Measurements were collected using a constant azimuth and dip based on the initial collar orientation and did not take in to consideration borehole deviation. This practice has the potential of introducing noise or drift to the measurements. Although the projects drill hole depths are shallow, and consequently the introduction of noise to the data sets is low, this item will need to be addressed for future campaigns. A deviation algorithm or simply using the nearest down-hole deviation test to for calculating structural measurements should be utilized. Orientation measurements were captured within a separate tab of the drill log. Structural measurements are still being processed and will subsequently be used for interpretation and modeling and are not available for submission.

10.2.3 Results and Interpretations

All four (4) diamond drill holes (MF17-39, 40, 49 and 50) targeting north of pegmatite 6, and in the general vicinity of thick pegmatite intersected in MF11-12 and MF12-24, intersected several spodumene-bearing and high grade pegmatite lenses at various depths. The current intersections in this

area present a greater subsurface continuity between previously drill tested bodies and the widest and most evolved body in this area has an interpreted sub-surface strike length of nearly 60 metres in an East-West direction. Significant intersections from this area are highlighted in Table 21. The thickest intersections are still open in a few directions. It is strongly recommended that additional diamond drilling occur to further delineate the bodies in the area.

Table 21: Significant results from 2017 Diamond drilling north of Pegmatite 6

Hole No.	From (m)	To (m)	Length* (m)	Li_2O %
MF17-39	80.00	97.90	17.90	1.47
MF17-40	80.05	174.75	12.85	1.16
MF17-49	111.90	135.85	26.30	1.70
including	130.50	138.20	7.70	2.97
MF17-50	74.55	91.10	16.55	1.45
and.	122.00	145.10	23.10	1.36

*Refer to section Line 450E and 470E within Appendix V

All seven (7) drill holes drilled at Pegmatite 18 intersected pegmatite lenses highlighting a multi-phase pegmatite system. Significant intersections from this target area are highlighted in Table 22. The lateral and sub-surface continuity of this shallow dipping pegmatite lense is un-like any other pegmatite observed on the property and still remains opens towards the South and Southwest. Its current drill tested dimensions have down dip length of 140 and strike length of 200 metres.

Table 22: Significant intersection from Pegmatite 18 area

Hole No.	From (m)	To (m)	Length* (m)	Li_2O %
MF17-42	9.85	18.25	5.40	1.04
MF17-43	10.00	15.00	5.00	1.29
MF17-44	12.85	18.85	6.00	0.96
MF17-45	38.15	42.85	4.70	1.50
MF17-46	27.55	30.35	2.80	1.50

*Refer to page 7 of Appendix V

10.3 Operational Logistics

The Coast Mountain Geological technicians travelled by air from Vancouver, BC and then drove from Winnipeg, MB, to the Dryden area. The CMG crew was housed at two lodges east of Dryden and proximal to the Project during the survey program. The WLON field technicians live locally and travelled to and from the Project each day.

Due to the excellent road accessibility to the Project, a good internal network of forestry roads, excellent local infrastructure and support services, the field crew's operational logistics were simple and straightforward. The crew travelled locally to and from their place of residence each day.

10.4 STATEMENT OF EXPENDITURES

Table 23 Statement of Expenditures for both work programs

Mavis-Fairservice Lithogeochemistry and Diamond Drilling programs				
Statement of Expenditures			**Total Expenditures**	**Eligible Expenditures**
Field Costs				
Diamond Drilling	Distinctive Drilling-metres drilled, consumables, work hours		$288,022.00	$288,022.00
Geochemistry (lithogeochem)	Analysis only (272)		$12,617.00	$12,617.00
Geochemistry (drilling)	Analysis only (529 Samples)		$22,219.00	$22,219.00
Field	3rd party Field contractor costs-road clearing and site preparations		$12,036.00	$12,036.00
Field	Field expenses-equipment rentals-construction materials-communications-freight		$13,786.00	$13,786.00
First Nation consultation	consultation and general expenses		$1,470.00	$1,470.00
		EXPENSES		**$350,150.00**
Meals and Lodging				
Food and Accommodation	Meals and accommodation for both programs		$13,430.00	$13,430.00
		LODGING		**$13,430.00**
Transportation				
	Truck Rental for both programs		$7,190.00	$7,190.00
	Airfare (0% eligible)		$9,062.00	$0.00
	Fuel		$2,080.00	$2,080.00
	Mobilization (only 50% elegible)		$995.00	$547.00
		TRANSPORTATION		**$9,817.00**
Professional Wages - Field		**Days**		
J.Harrop @$775/day		20.5	$17,953.00	$17,953.00
P.McLaughlin @$725/day		64.3	$56,267.00	$56,267.00
G.Sotiropoulos @$475/day		49.5	$43,350.00	$43,350.00
D.Mackay @$600/day		31.5	$27,586.00	$27,586.00
M.Felipe @$550/day		16.0	$14,011.00	$14,011.00
Wabigoon Lake Support			$1,100.00	$1,100.00
		WAGES (HST incl)		**$160,267.00**
Professional Wages - Office				
M. Sieb @$775/day		9.8	$7,555.00	$7,555.00
P.McLaughlin @$725/day	Project Prep-Planning and Report: 17 Days		$12,325.00	$12,325.00
M.Felipe (supp.)@ $50/hr		22	$600.00	$600.00
		WAGES (HST not incl.)		**$20,480.00**
		Total Expenditures		**$554,144.00**

11. CONCLUSIONS AND RECOMMENDATIONS

The tremendous swath of exposed bedrock from recent logging and clear-cutting has opened the entire eastern half of the Mavis claim group up to the western edge of the Lola Lake Reserve. Although this area is understood to be outside of the Albite-spodumene type pegmatite zone, recent field investigations have modified and improved the potential of ground hosting Albite-spodumene type of pegmatite. It is recommended that an inexpensive reconnaissance mapping or wider spaced bedrock sampling program be used to evaluate this area. This area is outside of the Ghost lake batholiths thermal aureole which may prove to be a favourable and rigid pegmatite hosting environment.

The results from the bedrock sampling program provide additional merit to drill testing anomalies at both the eastern and western extent of the Southern Zones and the western extent of the Main Pegmatite Zone. A ground based reconnaissance field program is recommended to quickly follow up on anomalous to highly anomalous samples and trends that will eventually help in developing an effective strategy for drill testing.

Drilling north of Pegmatite 6 where holes MF17-39, 40, 49 and 50 were cored continues to be met with great success. The local, steep terrain and nearby low-lying swamp is a significant factor in effectively targeting the bodies. Thus, drill holes are prone to intersecting pegmatite bodies at a low angle. Nevertheless, geological, structural and geochemical observations all signify that the bodies intersected in the deeper sections of this area are wide and potentially more evolved than other pegmatites on the property. These pegmatite bodies are still open in several directions and further drilling is recommended after all necessary structural and geological interpretation and modeling is refined and finished.

12. REFERENCES

Anthony, E.G., 2004: Report on geological mapping of the Ghost Lake rare metals property of Houston Lake Mining Inc.; Assessment File #2.27634, 28p. Accompanied with Appendices.

Brand, A., Groat, L.A, Linnen, R.L., Garland, M.I., Breaks, F.W. and Guiliani, G., 2009: Emerald mineralization associated with the Mavis Lake pegmatite group, near Dryden, Ontario; The Canadian Mineralogist, Vol. 47, 315-336.

Beakhouse, G.P., 1989: The Sioux Lookout Terrane: an imbricate thrust stack related to a 2.71 Ga arc-continent collision; Geological Association-Mineralogical Association of Canada, Program with Abstracts, vol. 14, p. A35-36.

Beakhouse, G.P., 1991: Winnipeg River Subprovince; Geology of Ontario, Ontario Geological Survey, Special Volume 4, Part 1, p.279-301.

Beakhouse, G.P., 2001: Precambrian Geology of the Thunder Lake Segment, Wabigoon Area; in Summer of Field Work and Other Activities, 2001, Ontario Geological Survey, Open File Report 6070, p.15-1 to 15-6.

Beakhouse, G.P., 2002: Precambrian Geology of the Wabigoon Area; in Summer of Field Work and Other Activities, 2002, Ontario Geological Survey, Open File Report 6100, p. 10-1 to 10-6.

Beakhouse, G.P. and Pigeon, L., 2003: Precambrian Geology of the Thunder Lake Area; Ontario Geological Survey, Preliminary Map P.3529, Scale 1:20, 000.

Berger, B.R., 1990: Precambrian geology of Laval and Hartman townships; Ontario Geological Survey, Report 272, 74p.

Blackburn, C.E., Johns, G.W., Ayer, J. and Davis, D.W., 1991. Wabigoon subprovince; in Geology of Ontario, Ontario Geological Survey Special Volume 4, Part 1, p. 303-381.

Breaks, F.W., 1980: Lithophile mineralization in northwestern Ontario: rare-element granitoid pegmatites; p. 5-9 in Summary of Field Work and other activities, 1980, by the Geological Branch, Ontario Geological Survey, Miscellaneous Paper 96.7

Breaks, F.W., 1989: Origin and evolution of peraluminous granite and rare element pegmatite in the Dryden area of northwestern Ontario; Unpublished Ph.D. thesis, Carleton University, Ottawa, Ontario, 549p.

Breaks, F.W. and Janes, D.A., 1991: Granite-related mineralization of the Dryden area, Superior Province of northwestern Ontario; Geological Association-Mineralogical Association of Canada-Society of Economic Geologists, Joint Annual Meeting 1991, Field Trip B7-Guidebook, 71p.

Breaks, F.W. and Kuehner, S., 1984: Precambrian geology of the Eagle River-Ghost Lake area, Kenora District; Ontario Geological Survey, Map P.2623, Scale 1:31 680.

Breaks, F.W. and Moore, J.M., Jr., 1992. The Ghost Lake batholith, Superior Province of northwestern Ontario: a fertile, perluminous, granite-rare-element pegmatite system; The Canadian Mineralogist, Vol. 30, 835-876.

Breaks, F.W. and Osmani, I.A., 1989: The peraluminous granite-rare element pegmatite association in the northwestern Superior Province; presentation and Abstract, Ontario and Mines Minerals Symposium, Toronto, Ontario, December 1989.

Breaks, F.W., Bond, W.D., Westerman, C.J. and Harris, N., 1976: Operation Kenora-Ear Falls, Dryden-Vermillion Bay Sheet, District of Kenora, Ontario Division of Mines, Preliminary Map P.1023, Scale 1:63 360.

Breaks, F.W., Bond, W.D., and Stone, D., 1978: Preliminary geological synthesis of the English River Subprovince, Northwestern Ontario, and its bearing upon mineral exploration; Ontario Geological Survey, Misc. Paper 72, 54p.

Breaks, F.W., Tindle, A.G. and Smith, S.R., 1998: Rare-metal mineralization associated with the Berens River-Sachigo subprovincial boundary, northwestern Ontario: discovery of a new zone of complex-type, petalite-subtype pegmatite and implications for future exploration; p.162-182 in Ontario Geological Survey, Miscellaneous Paper 169.

Breaks, F.W., Selway, J.B. and Tindle, A.G. 2003a: Fertile peraluminous granites and related rare-element mineralization in pegmatites, Superior Province, northwest and northeast Ontario: Operation Treasure Hunt; Ontario Geological Survey, Open File Report 6099, 179p.

Breaks, F.W., Selway, J.B. and Tindle, A.G. 2003b: Project Unit 03-008. Fertile peraluminous granites and related rare-element pegmatite mineralization, Barbara-Gathering-Barbaro lakes area, north-central Ontario; in Summary of Field Work and Other Activities 2003, Ontario Geological Survey, Open File Report 6120, p.14-1 to 14-13.

Breaks, F. W., Selway, J.B., and Tindle, A.G., 2005: Fertile peraluminous granites and related rare-element mineralization in pegmatites, Superior Province of Ontario; in Linnen, R.L. and Samson, I.M., editors, Rare-element Geochemistry and Mineral Deposits, Geological Association of Canada, GAC Short Course Notes 17, p. 87-125.

Breaks, F.W., Selway, J.B. and Tindle, A.G. 2006: Fertile and peraluminous granites and related rare element mineralization in pegmatites, north-central and northeastern Superior province, Ontario; Ontario Geological Survey, Open File Report 6195, 143p.

Černý, P., 1991: Rare-element granitic pegmatites: Part I, anatomy and internal evolution of pegmatite deposits; Geoscience Canada, V. 18, No. 2, p.49-67.

Černý, P., 2005: The Tanco rare-element pegmatite deposit, Manitoba: regional context, internal anatomy, and global comparisons; In Linnen, R.I. and Samson, I.M, editors, Rare-element Geochemistry and Mineral Deposits, Geological Association of Canada, GAC Short Courses Notes 17, p.127-158.

Černý, P. and Ercit, T.S., 2005: Classification of granitic pegmatites revisited; The Canadian Mineralogist, vol. 43, no.6, 2005-2026.

Černý, P. and Meintzer, R., 1988: Fertile granites in the Archean and Proterozoic fields of rare-element pegmatites: crustal environment, geochemistry and petrogenetic relationships; in R.P. Taylor and D.F. Strong (editors), Recent Advances in the Geology of Granite-Related Mineral Deposits, The Canadian Institute of Mining and Metallurgy, Special Publication 39, p. 176-206.

Černý, P., 1989a: Exploration strategy and methods for pegmatite deposits of tantalum. In Lanthanides, Tantalum, and Niobium. Edited by P. Moller, P. Černý and F. Saupe. Springer-Verlag, New York, p. 274-302.

Černý, P., 1989b: Characteristics of pegmatite deposits of tantalum. In Lanthanides, Tantalum, and Niobium. Edited by P. Moller, P. Černý and F. Saupe. Springer- Verlag, New York, p. 195-239.

Černý, P., Ercit, T.S. and Vanstone, P.J., 1998: Mineralogy and petrology of the Tanco rare-element pegmatite deposit, southeastern Manitoba, International Mineralogical Association, 17th General Meeting Toronto 1998, Field Trip Guidebook B6, 74p.

Chorlton, L., 1991: Geological history of the Sandybeach Lake area, Sioux Lookout-Dinorwic Belt, Wabigoon subprovince and its implications for gold exploration; Ontario Geological Survey, Open File Report 5752, 199p.

Clark, J. G., Breaks, F.W., Osmani, I.A., February 5, 2010: Technical Report (NI 43-101) on the Mavis Lake Lithium Property, Brownridge Township, Kenora Mining District Near Dryden, Northwestern Ontario.

Clark, J. G., Breaks, F.W., Osmani, I.A., Harrop, J., 2009: Assessment Report on the Mavis Lake Lithium Property, Brownridge Township, Kenora Mining District Near Dryden, Northwestern Ontario.

Drost, A.P. and Hunt, D., 1997: Geological Report on the Corona Gold Corporation on the Troutfly (Brownridge) Gold Property.

Fetherston, J.M., 2004: Tantalum in Western Australia. Western Australia Geological Survey, Mineral Resources Bulletin 22, 162 p.

Harrop, J., Dammeier, R., Mercier, M., 2011 : Assessment Report on the 2011 Drilling Program on the Mavis Lake/Fairservice Lithium Property Brownridge Township, Kenora Mining District Near Dryden, Northwestern Ontario Kovacs, A., 2016: Report on the Ground Geophysical Survey, Mavis Lake Project, Dryden, Ontario.

Harrop, J., McLaughin, P., Mercier, M., 2013: Assessment Report on the 2012-2013 Winter Drill Program on the Mavis Lake - Fairservice Lithium Property, Brownridge Township, Kenora Mining District, Near Dryden, Northwestern Ontario.

Mowat, A.J., 2003: Report on the Brownridge Property, Brownridge Township Kenora, Brownridge Township, Kenora Mining Division-10, Ontario (NTS 52F/15 SE); report prepared for Emerald Fields Resources Corporation, Assessment File #2.26209.

Moorhouse, W.W., 1941: Geology of the Eagle Lake area, Kenora District; Ontario Department of Mines, Annual Report for 1939, vol. 48, pt.4, p.1-31.

Mulligan, R., 1965: Geology of Canadian lithium deposits; Geological Survey of Canada, Economic Geology Report 21, 131p.

Mundhenk, J.J., Breaks, F.W., Osmani, I.A., 2010: Assessment Report on a Gridded Lithogeochemical Survey, Geological Mapping and Geochemical Sampling of the Mavis Lake Property, Brownridge Township, Dryden, Ontario.

Ontario Geological Survey, 1991a: Bedrock geology of Ontario, explanatory notes and legend; Ontario Geological Survey, Map 2545, scale 1:5 000 000.

Ontario Geological Survey, 1991b: Bedrock geology of Ontario, west-central sheet; Ontario Geological Survey, Map 2542, scale 1:1 000 000.

Ontario Geological Survey, 1997: Ontario airborne magnetic and electromagnetic surveys, processed data and derived products: Archean and Proterozoic greenstone belts - Dryden area; ERLIS DATA Set 1016.

Ontario Geological Survey, 2001: Ontario airborne geophysical surveys - magnetic and electromagnetic data -Stormy Lake area; ERLIS DATA Set 1017.

Osmani, I.O. and Stott, G.M., 1988: Regional scale shear zones in Sachigo Subprovince and their economic significance; p. 53-67 in Summary of Field Work and other Activities 1988, Ontario Geological Survey, Miscellaneous Paper 141.

Osmani, I.A., Stott, G.M., Sanborn-Barrie and Williams, H.R., 1989: Recognition of regional shear zones in south-central and northwestern Superior Province of Ontario and their economic significance; In Mineralization and Shear Zones, editor: Bursnall, J.T., Geological Association of Canada, Short Course Notes Volume 6, p. 199-218.

Pryslak, A.P. and Hutton, D.A., 1980: Exploration for the Tantalum potential of the Mavis Lake pegmatites: Lithium lithochemical survey on Fairservice Option; report prepared for Selco Mining Corporation Limited, Assessment File #2.3306,5p., accompanied with Appendices.

Pryslak, A.P., 1981. Exploration for the tantalum potential of the Mavis Lake area, lithium lithogeochemical survey, March 1980, Assessment Files Report 2.3416, Assessment Files Research Office, Ontario Geological Survey.

Satterly, 1943: Geology of the Dryden-Wabigoon area, District of Kenora; Ontario Department of Mines, Annual Report for 1941, v. 50, pt. 2, 57p.

Selway, J.B., Breaks, F.W., and Tindle, A.G., 2005: A Review of Rare-Element (Li-Cs-Ta) Pegmatite Exploration Techniques for the Superior Province, Canada, and Large Worldwide Tantalum Deposits; Exploration and Mining Geology, Vol. 14, Nos. 1-4, pp. 1-30.

Sieb, M., McLaughlin, P., Felipe, M. 2016 Assessment Report; 2016 Ground Magnetic Survey on the Mavis Lake Lithium Property Brownridge Township, Kenora Mining District, Near Dryden, Northwestern Ontario.

Smith, S.R., 2001: Geochronology and geochemistry of rare-element pegmatites from the Superior Province of Canada; unpublished Ph.D thesis, The Open University, Milton Keynes, United Kingdom, 261 p.

Tindle, A.G., Selway, J.B. and Breaks, F.W., 2002: Electron microprobe and bulk analyses from fertile peraluminous granites and related rare-element pegmatites, Superior Province of northwest and northeast Ontario; Ontario Geological Survey, Miscellaneous Release-Data 111. Available for free download at http://www.geologyontario.mndmf.gov.on.ca/

Vanstone, P.J., 1982: Mavis Lake Claim Group: Report on the Magnetometer Survey; Tantalum Mining Corporation of Canada, Assessment File #2.5478, accompanied with Appendices.

Vanstone, P.J., 1983: Mavis Lake Claim Group: Report on the Lithogeochemical Survey; Tantalum Mining Corporation of Canada, Assessment File #63.4148,9 p. accompanied with Appendices.

APPENDIX I: Statement of Qualifications

Appendix I

Statement of Qualifications

07/09/2017

I, Patrick David Michael McLaughlin, declare that:

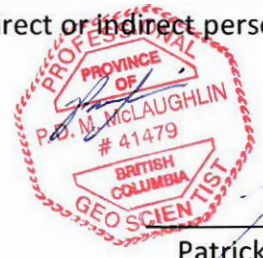
1. I reside at 22-1560 Prince Street of the city of Port Moody, in the province of British Columbia and do herby certify that:

2. I am a graduate of the University of Manitoba (2005) with a Bachelor of Science (Honours) from the Faculty of Science, Department of Geological Sciences and have been continuously practicing my profession since 2004.

3. I am a registered professional Geoscientist with Engineers and Geoscientists British Columbia, member **#41479**

4. I am a Project Geologist for Coast Mountain Geological and have directly supervised the field exploration program described in this report and all contributions on my behalf are true and accurate to the best of my knowledge.

5. I hold no direct or indirect personal interest in the property that is the subject of this report.



Patrick McLaughlin, B.Sc., P.Geo

Appendix I

Statement of Qualifications

Michael Sieb

I, Michael Sieb, declare that:

1. I reside at 693 Alpine Court in North Vancouver in the province of British Columbia and do herby certify that:

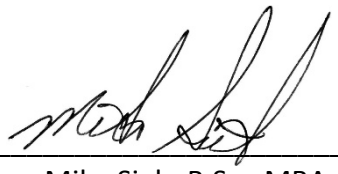
2. I am a graduate from Concordia University with a Bachelor of Science degree (B.Sc.) Specialization Geology (1987).

3. I hold a Masters of Business Administration (MBA) from the University of British Columbia (1994).

4. I have worked in the mineral exploration industry with major/junior exploration and mining companies in Canada and internationally since 1987.

5. I am a Senior Project Manager for Coast Mountain Geological overseeing the Ontario Lithium Pegmatite projects on behalf of the Ontario Lithium Pegmatite Joint Venture between International Lithium Corp. and Pioneer Resources Ltd. and all contributions on my behalf are true and accurate to the best of my knowledge.

6. I hold no direct or indirect personal interest in the property that is the subject of this report.



Mike Sieb, B.Sc., MBA

APPENDIX II

1:2,500 ANSI D Lithogeochemistry Sampling location and Lithium Results: West Sheet
1:2,500 ANSI D Lithogeochemistry Sampling location and Lithium Results: North Sheet

Mavis West Claim Group

Mavis Lake

Mavis West Claim Group

4208714

4208713

RVL

Legend

- Mavis Claim #'s
- Pegmatite Locations

2016 Sampling Locations

Li Thresholds

- 3.30 - 50.00
- 50.01 - 100.00
- 100.01 - 200.00
- 200.01 - 500.00
- 500.01 - 1000.00
- Historial sampling locations
- Access_Roads
- Topographic Lineament (Possible Fault)

Geological Units

- Brownridge Sediments
- Metavolcanics
- Gabbro
- Diorite Dike
- Pegmatite Body

N

Mavis-Fairservice Project

2016 Lithogeochemical Sampling Program and locations:

Map 1: West Sheet

Pioneer | Author: P.McLaughlin | Date: 15/08/2017

0 50 100 200 Meters

1:2,618

Coordinate System: NAD 1983 UTM Zone 15N
Projection: Transverse Mercator

525600 525800 526000 526200 526400 526600

5519600 5519400 5519200 5519000 5518800 5518600 5518400 5518200 5518000 5517800

4251134

4251136

4208712

4208714

Mavis West Claim Group

Mavis Lake

1607717 1607716 1607715 1607714 1607713 1607712 1607711 1607710 1607709 1607708

1607702 1607701 1607703 1607704 1607705 1607706 1607707

1607737 1607733 1607738 1607734 1607739 1607732 128248 1607740 1607731 1607736 1607730 128247 1607741 1607742 1607729 128246 1607743 128245 1607744 128244 1607745 128243 1607728 1607746 128242 1607747 1607727 128241 1607748 1607726 128240 1607749 1607725 128239 1607724 128238

128237 1607750 1607723 128226 1607751 128225 1607752 1607722 128224 1607753 1607721 128223 1607754 1607720 128222 1607755 1607719 128221 1607718

128231 128232 128234 128233 128235 128236 128208 128209 128230 128229 128228 128227 128207 128206 128210 128212 128213 128214 128215 128216 128217 128218 128219

18 17 19 15 14 13 16

1607761 1607762 1607765 1607764 1607763 1607766 1607767 1607760 1607768 1607759 1607769 1607758 1607770 1607757 1607756

Legend

- Mavis Claim #'s
- Pegmatite Locations

2016 Sampling Locations

Li Thresholds

- 3.30 - 50.00
- 50.01 - 100.00
- 100.01 - 200.00
- 200.01 - 500.00
- 500.01 - 1000.00
- Historial sampling locations
- Access_Roads
- Topographic Lineament (Possible Fault)

Geological Units

- Brownridge Sediments
- Metavolcanics
- Gabbro
- Diorite Dike
- Pegmatite Body

Coordinate System: NAD 1983 UTM Zone 15N
Projection: Transverse Mercator

Mavis-Fairservice Project

N

2016 Lithogeochemical Sampling Program and locations:

Map 1: North Sheet

Pioneer Resources Limited | Author: P.McLaughlin | Date: 15/08/2017

0 45 90 180 Meters

1:2,500

APPENDIX III
Lithogeochemistry Sample location and analytical data

Sample #	UTM_X	UTM_Y	Projection	Lithology	Sampler	Strike	Dip	Type	Colour	Text	Comments	Certificate
128151	523856.04	5517862.05	UTM_Nad83 Zn15N	MV	JL							A16-06396
128152	523846.93	5517872.46	UTM_Nad83 Zn15N	MV	JL							A16-06396
128153	523828.62	5517897.95	UTM_Nad83 Zn15N	MV	JL							A16-06396
128154	523830.13	5517914.08	UTM_Nad83 Zn15N	MV	JL						Magnetic	A16-06396
128155	523837.12	5517926.68	UTM_Nad83 Zn15N	MV	JL						At south contact with Peg 7	A16-06396
128156	523839.62	5517947.14	UTM_Nad83 Zn15N	MV	JL						At north contact with Peg 7, maybe large sliver of MV within, possible holmquisite	A16-06396
128157	523839.16	5517955.48	UTM_Nad83 Zn15N	MV	JL						Definite north contact of peg 7, possible holmquisite	A16-06396
128158	523832.59	5518008.60	UTM_Nad83 Zn15N	MV	JL						North contact of Peg 1, possible holmquisite	A16-06396
128159	523833.62	5518019.61	UTM_Nad83 Zn15N	MV	JL							A16-06396
128160	523920.94	5518072.03	UTM_Nad83 Zn15N	MV	JL							A16-06396
128161	523911.87	5518040.97	UTM_Nad83 Zn15N	MV	JL							A16-06396
128162	523932.94	5518011.60	UTM_Nad83 Zn15N	MV	JL							A16-06396
128163	523916.02	5517998.63	UTM_Nad83 Zn15N	MV	JL							A16-06396
128164	523935.50	5517986.59	UTM_Nad83 Zn15N	MV	JL							A16-06396
128165	523925.36	5517967.76	UTM_Nad83 Zn15N	MV	JL						Coarse grain amphiboles on weathered surface	A16-06396
128166	523931.46	5517938.66	UTM_Nad83 Zn15N	MV	JL						Coarse grain amphiboles on weathered surface	A16-06396
128167	523931.25	5517922.42	UTM_Nad83 Zn15N	MV	JL						North edge of pegmatite	A16-06396
128168	523925.65	5517903.72	UTM_Nad83 Zn15N	MV	JL						As close to south edge of pegmatite as possible, slightly magnetic	A16-06396
128169	524329.52	5517862.94	UTM_Nad83 Zn15N	MV	JL						Near south contact of Peg...5, moved location to avoid swamp	A16-06396
128170	524352.48	5517779.99	UTM_Nad83 Zn15N	DIA	JL						Salt and pepper on weathered surface, magnetic	A16-06396
128171	524348.77	5517758.18	UTM_Nad83 Zn15N	MV	JL						Fg tourmaline, qtz vein nearby	A16-06396
128172	524352.55	5517734.63	UTM_Nad83 Zn15N	DIA	JL						Magnetic	A16-06396
128173	524345.16	5517714.14	UTM_Nad83 Zn15N	DIA	JL						Looks like at 128170, needles of green chlorite/amphibole on fracture planes	A16-06396
128174	524341.58	5517693.22	UTM_Nad83 Zn15N	MV	JL							A16-06396
128175	524359.27	5517663.61	UTM_Nad83 Zn15N	MV	JL							A16-06396
128176	524351.53	5517641.23	UTM_Nad83 Zn15N	MV	JL							A16-06396
128177	524349.42	5517614.43	UTM_Nad83 Zn15N	MV	JL							A16-06396
128178	524351.31	5517594.20	UTM_Nad83 Zn15N	MV	JL							A16-06396
128179	524346.54	5517534.14	UTM_Nad83 Zn15N	MV	JL							A16-06396
128180	524333.40	5517513.29	UTM_Nad83 Zn15N	MV	JL							A16-06396
128181	524387.37	5517495.52	UTM_Nad83 Zn15N	MV	JL						Coarse grain amphiboles on weathered surface	A16-06396
128182	524390.41	5517522.55	UTM_Nad83 Zn15N	MV	JL							A16-06396
128183	524381.06	5517538.30	UTM_Nad83 Zn15N	MV	JL							A16-06396
128184	524390.19	5517588.93	UTM_Nad83 Zn15N	IV	JL						Alternating cm-scale light and dark bands. This is dark layer kappa reading	A16-06396
128185	524399.54	5517605.31	UTM_Nad83 Zn15N	MV	JL							A16-06396
128186	524402.40	5517624.00	UTM_Nad83 Zn15N	IV	JL							A16-06396
128187	524402.77	5517653.25	UTM_Nad83 Zn15N	MV	JL						Minor Po along foliation planes	A16-06396
128188	524404.76	5517676.05	UTM_Nad83 Zn15N	MV	JL						Near inferred south contact with JWL Peg	A16-06396
128189	524401.21	5517680.04	UTM_Nad83 Zn15N	MV	JL						Immediately on north contact with JWL Peg	A16-06396
128190	524402.64	5517714.73	UTM_Nad83 Zn15N	MV	JL						Small aplite near sample	A16-06396
128191	524404.12	5517753.43	UTM_Nad83 Zn15N	MV	JL							A16-06396
128192	524401.96	5517769.65	UTM_Nad83 Zn15N	MV	JL							A16-06396
128193	524402.71	5517809.35	UTM_Nad83 Zn15N	MV	JL							A16-06396
128194	524417.18	5517872.23	UTM_Nad83 Zn15N	MV	JL							A16-06396
128195	524407.66	5517909.99	UTM_Nad83 Zn15N	PEG	JL						Surface expression of buried Peg from hole MF11-12, exposed by skidder	A16-06396
128196	524424.84	5518007.47	UTM_Nad83 Zn15N	MV	JL							A16-06396
128197	524335.74	5518014.40	UTM_Nad83 Zn15N	MV	JL							A16-06396
128198	524346.47	5517964.31	UTM_Nad83 Zn15N	MV	JL						10m N of replaced spod peg contact	A16-06396
128199	524323.00	5517872.25	UTM_Nad83 Zn15N	PEG	JL							A16-06396
128200	524327.27	5517867.93	UTM_Nad83 Zn15N	MV	JL						At South contact with replaced spod peg	A16-06396
128201	524324.50	5517891.27	UTM_Nad83 Zn15N	MV	JL						Coarse grain amphiboles on weathered surface, 1m from south contact of replaced spod peg	A16-06396
128202	524323.14	5517888.93	UTM_Nad83 Zn15N	PEG	JL							A16-06396
128203	524321.76	5517891.48	UTM_Nad83 Zn15N	MV	JL							A16-06396
128204	524330.15	5517930.99	UTM_Nad83 Zn15N	MV	JL							A16-06396
128205	524402.00	5517679.00	UTM_Nad83 Zn15N	PEG	JL						Sample of JWL Peg	A16-06396
128206	525587.00	5518121.48	UTM_Nad83 Zn15N	MV	JL							A16-06396
128207	525571.47	5518148.53	UTM_Nad83 Zn15N	DIA	JL						1 pct small tourm crystals, grey/brown salt and pepper appearence	A16-06396
128208	525634.47	5518440.80	UTM_Nad83 Zn15N	MV	JL						Coarse grain amphiboles on weathered surface	A16-06396
128209	525641.70	5518417.93	UTM_Nad83 Zn15N	MV	JL							A16-06396
128210	525410.53	5518074.17	UTM_Nad83 Zn15N	MV	JL							A16-06396
128211	525386.76	5518019.02	UTM_Nad83 Zn15N	MV	JL						elongated pillows	A16-06396
128212	525417.63	5517987.03	UTM_Nad83 Zn15N	IV	JL						light grey interior in places	A16-06396
128213	525435.90	5517972.22	UTM_Nad83 Zn15N	MV	JL							A16-06396
128214	525447.89	5517961.49	UTM_Nad83 Zn15N	MV	JL							A16-06396
128215	525474.06	5517935.49	UTM_Nad83 Zn15N	MV	JL							A16-06396
128216	525477.21	5517909.04	UTM_Nad83 Zn15N	MV	JL							A16-06396
128217	525514.49	5517859.07	UTM_Nad83 Zn15N	MV	JL							A16-06396
128218	525515.53	5517837.07	UTM_Nad83 Zn15N	MV	JL						Thin white bands along foliation	A16-06396
128219	525540.07	5517822.51	UTM_Nad83 Zn15N	MV	JL							A16-06396
128220	525291.81	5517891.60	UTM_Nad83 Zn15N	MV	JL							A16-06396
128221	526568.99	5518591.08	UTM_Nad83 Zn15N	MV	JL						mm-scale thin white bands, grey-light grey	A16-06396
128222	526552.92	5518616.97	UTM_Nad83 Zn15N	MV	JL						thin qtz vein nearby	A16-06396

Sample #	UTM_X	UTM_Y	Projection	Lithology	Sampler	Strike	Dip	Type	Colour	Text	Comments	Certificate
128223	526536.59	5518631.63	UTM_Nad83 Zn15N	MV	JL							A16-06396
128224	526535.88	5518653.08	UTM_Nad83 Zn15N	MV	JL							A16-06396
128225	526536.50	5518677.53	UTM_Nad83 Zn15N	MV	JL							A16-06396
128226	526527.20	5518695.66	UTM_Nad83 Zn15N	MV	JL							A16-06396
128227	525689.00	5518331.00	UTM_Nad83 Zn15N	MV	PM						chl/act alteration	A16-06396
128228	525672.00	5518358.00	UTM_Nad83 Zn15N	MV	PM						Amphibolite/amphibolitized MV. NO mag susc reading	A16-06396
128229	525662.00	5518381.00	UTM_Nad83 Zn15N	MV	PM						Massive volcanic	A16-06396
128230	525650.00	5518404.00	UTM_Nad83 Zn15N	MV	PM						Vesiculated MV with calcite filled vesicles	A16-06396
128231	525658.00	5518618.00	UTM_Nad83 Zn15N	MV	PM						Tanco Replicate of 630ppm Li??? (not entirely sure of historical location)	A16-06396
128232	525672.00	5518595.00	UTM_Nad83 Zn15N	MV	PM						Tanco replicate of 250ppm Li??? (not entirely sure of historical location). Wkly foliated FG MV	A16-06396
128233	525688.00	5518563.00	UTM_Nad83 Zn15N	GRN	PM						Tanco Replicate of 870ppm Li??? (not entirely sure of historical location). Granite dyke rep. Same location as a TNR sample with no ID	A16-06396
128234	525687.00	5518564.00	UTM_Nad83 Zn15N	MV	PM						Tanco Replicate of 240 ppm Li?? (not entirely sure of historical location. 0.5m wide barren pegmatite vein.	A16-06396
128235	525693.00	5518557.00	UTM_Nad83 Zn15N	IV	PM						Tanco Replicate of 140ppm Li??. Dacitic flow? Lighter in color.	A16-06396
128236	525713.00	5518535.00	UTM_Nad83 Zn15N	MV	PM						Tanco replicte of 90ppm Li??. MV	A16-06396
128237	526508.94	5518714.47	UTM_Nad83 Zn15N	MV	JL							A16-06396
128238	526484.85	5518766.11	UTM_Nad83 Zn15N	MV	JL						Finely foliated amphibole, magnetic, edge of large E/W trending swamp	A16-06396
128239	526465.42	5518789.45	UTM_Nad83 Zn15N	MV	JL							A16-06396
128240	526457.97	5518817.49	UTM_Nad83 Zn15N	MV	JL						rare biotite along foliation planes	A16-06396
128241	526442.55	5518835.31	UTM_Nad83 Zn15N	MV	JL						large white-weathered patches with mg amphiboles evident, rare muscovite	A16-06396
128242	526430.19	5518856.03	UTM_Nad83 Zn15N	DIA	JL							A16-06396
128243	526420.08	5518880.50	UTM_Nad83 Zn15N	MV	JL						Up to 1% tourmaline	A16-06396
128244	526404.54	5518902.00	UTM_Nad83 Zn15N	MV	JL						Coarse grain amphibole on weathered surface	A16-06396
128245	526390.60	5518922.90	UTM_Nad83 Zn15N	MV	JL							A16-06396
128246	526377.62	5518950.82	UTM_Nad83 Zn15N	MV	JL							A16-06396
128247	526362.24	5518979.78	UTM_Nad83 Zn15N	MV	JL							A16-06396
128248	526347.74	5519002.49	UTM_Nad83 Zn15N	MV	JL						Edge of very large beaver pond	A16-06396
1607701	526518.00	5519419.00	UTM_Nad83 Zn15N	AMPH	PM						abundant amphibole. Weakly foliated	A16-06396
1607702	526496.00	5519416.00	UTM_Nad83 Zn15N	MV	PM							A16-06396
1607703	526470.00	5519370.00	UTM_Nad83 Zn15N	MV	PM							A16-06396
1607704	526447.00	5519354.00	UTM_Nad83 Zn15N	MV	PM							A16-06396
1607705	526395.00	5519312.00	UTM_Nad83 Zn15N	MV	PM							A16-06396
1607706	526377.00	5519291.00	UTM_Nad83 Zn15N	MV	PM							A16-06396
1607707	526363.00	5519268.00	UTM_Nad83 Zn15N	AMPH	PM						Amphibolite. No Holmquistite	A16-06396
1607708	526080.00	5519554.00	UTM_Nad83 Zn15N	MV	PM							A16-06396
1607709	526099.00	5519569.00	UTM_Nad83 Zn15N	MV	PM						Vesiculated MV.	A16-06396
1607710	526127.00	5519581.00	UTM_Nad83 Zn15N	MV	PM						Schistose	A16-06396
1607711	526134.00	5519595.00	UTM_Nad83 Zn15N	MV	PM						VFG black bblue mineral.	A16-06396
1607712	526158.00	5519618.00	UTM_Nad83 Zn15N	MV	PM							A16-06396
1607713	526176.00	5519638.00	UTM_Nad83 Zn15N	MV	PM							A16-06396
1607714	526194.00	5519655.00	UTM_Nad83 Zn15N	MV	PM						Minor Act.	A16-06396
1607715	526216.00	5519675.00	UTM_Nad83 Zn15N	MV	PM							A16-06396
1607716	526226.00	5519687.00	UTM_Nad83 Zn15N	MV	PM							A16-06396
1607717	526244.00	5519701.00	UTM_Nad83 Zn15N	MV	PM						vesiculated MV	A16-06396
1607718	526529.00	5518562.00	UTM_Nad83 Zn15N	MV	PM						chl/act alteration	A16-06396
1607719	526501.00	5518604.00	UTM_Nad83 Zn15N	IV	PM						Grey GRN IV. Stronger Mag signature.	A16-06396
1607720	526490.00	5518621.00	UTM_Nad83 Zn15N	MV	PM						Volcaniclastic. 10cm fragments.	A16-06396
1607721	526477.00	5518645.00	UTM_Nad83 Zn15N	MV	PM						as above	A16-06396
1607722	526456.00	5518667.00	UTM_Nad83 Zn15N	MV	PM							A16-06396
1607723	526450.00	5518694.00	UTM_Nad83 Zn15N	MV	PM						Hbld +/- Act.	A16-06396
1607724	526398.00	5518780.00	UTM_Nad83 Zn15N	MV	PM						Peg #19 Area...Possible extension of hist. Peg. Sampling w/in 10 of barren Peg. Vein	A16-06396
1607725	526389.00	5518797.00	UTM_Nad83 Zn15N	MV	PM						Pillowed MV	A16-06396
1607726	526376.00	5518820.00	UTM_Nad83 Zn15N	MV	PM							A16-06396
1607727	526361.00	5518843.00	UTM_Nad83 Zn15N	MV	PM						FG gabbro? Or MG MV?	A16-06396
1607728	526353.00	5518871.00	UTM_Nad83 Zn15N	MV	PM						same as 7727	A16-06396
1607729	526317.00	5518949.00	UTM_Nad83 Zn15N	MV	PM						chl +/- act	A16-06396
1607730	526302.00	5518977.00	UTM_Nad83 Zn15N	MV	PM						Chl/act altered. Weak foliation	A16-06396
1607731	526276.00	5518995.00	UTM_Nad83 Zn15N	MV	PM							A16-06396
1607732	526262.00	5519013.00	UTM_Nad83 Zn15N	IV	PM						more siliceous than MV. IV? Semi-massive	A16-06396
1607733	526305.00	5519043.00	UTM_Nad83 Zn15N	MV	PM						siliceous MV?. Similar to 7732	A16-06396
1607734	526315.00	5519023.00	UTM_Nad83 Zn15N	MV	PM						MV	A16-06396
1607735	526334.00	5518998.00	UTM_Nad83 Zn15N	MV	PM							A16-06396
1607736	526339.00	5518986.00	UTM_Nad83 Zn15N	MV	PM							A16-06396
1607737	526353.00	5519057.00	UTM_Nad83 Zn15N	MV	PM							A16-06396
1607738	526365.00	5519039.00	UTM_Nad83 Zn15N	FV	PM						Highly magnetic FV. & measurements. w/30% 2-5mm amphibole o tourmaline crystals	A16-06396
1607739	526380.00	5519020.00	UTM_Nad83 Zn15N	FV	PM						Siliceous IV. 3%fg Pyrite.	A16-06396
1607740	526391.00	5519004.00	UTM_Nad83 Zn15N	MV	PM						VFG dark green MV	A16-06396
1607741	526400.00	5518979.00	UTM_Nad83 Zn15N	MV	PM						MV	A16-06396
1607742	526409.00	5518963.00	UTM_Nad83 Zn15N	MV	PM							A16-06396
1607743	526424.00	5518936.00	UTM_Nad83 Zn15N	MV	PM						Volcaniclastic with lapilli fragments.	A16-06396
1607744	526451.00	5518913.00	UTM_Nad83 Zn15N	MV	PM						Volcaniclastic with lapilli fragments.	A16-06396
1607745	526448.00	5518892.00	UTM_Nad83 Zn15N	MV	PM						pillowed flows.	A16-06396
1607746	526457.00	5518869.00	UTM_Nad83 Zn15N	MV	PM						pillowed MV	A16-06396

Sample #	UTM_X	UTM_Y	Projection	Lithology	Sampler	Strike	Dip	Type	Colour	Text	Comments	Certificate
1607747	526478.00	5518850.00	UTM_Nad83 Zn15N	MV	PM						pillowed MV	A16-06396
1607748	526485.00	5518827.00	UTM_Nad83 Zn15N	MV	PM						pillowed MV	A16-06396
1607749	526496.00	5518811.00	UTM_Nad83 Zn15N	MV	PM							A16-06396
1607750	526551.00	5518719.00	UTM_Nad83 Zn15N	GAB	PM						Massive flow or Fggabbro. Higher mag susc.	A16-06396
1607751	526563.00	5518699.00	UTM_Nad83 Zn15N	GAB	PM						Massive flow or FG gabbro.	A16-06396
1607752	526575.00	5518680.00	UTM_Nad83 Zn15N	GAB	PM						FG gabbro or massive MV flow.	A16-06396
1607753	526575.00	5518649.00	UTM_Nad83 Zn15N	IV	PM						Dacite? Siliceous MV? Hard	A16-06396
1607754	526598.00	5518631.00	UTM_Nad83 Zn15N	GAB	PM						Amph/Albite. Gabrroic body?	A16-06396
1607755	526613.00	5518610.00	UTM_Nad83 Zn15N	GAB	PM						Same as 7755. Elevated magnetism. OC contains several qtz veins.	A16-06396
1607756	526447.00	5517896.00	UTM_Nad83 Zn15N	GAB	PM						60% Amph/40% Plag.	A16-06396
1607757	526432.00	5517926.00	UTM_Nad83 Zn15N	GAB	PM						same as 7756	A16-06396
1607758	526415.00	5517948.00	UTM_Nad83 Zn15N	GAB	PM						.	A16-06396
1607759	526407.00	5517970.00	UTM_Nad83 Zn15N	GAB	PM						Gabbro	A16-06396
1607760	526401.00	5517990.00	UTM_Nad83 Zn15N	GAB	PM						Gabbro. Massive	A16-06396
1607761	526411.00	5518105.00	UTM_Nad83 Zn15N	MV	PM						Pillowed MV. Tourmaline altered.	A16-06396
1607762	526433.00	5518077.00	UTM_Nad83 Zn15N	GAB	PM							A16-06396
1607763	526449.00	5518056.00	UTM_Nad83 Zn15N	GAB	PM						7 m from enriched pegmatite. Potentially pegmatite 16??? Which is up to 2m thick.	A16-06396
1607764	526462.00	5518072.00	UTM_Nad83 Zn15N	GAB	PM						Within 30cm of replaced enriched pegmatite vein. Weakly amphibolitized.. Pegmatite 16 area??	A16-06396
1607765	526460.00	5518067.00	UTM_Nad83 Zn15N	PEG	PM						Pegmatite sample to test Li enrichment to check for dispersion level. Pegmatite contains up to 20-25% spodumene in places. Pegmatite displays	A16-06396
1607766	526460.00	5518037.00	UTM_Nad83 Zn15N	GAB	PM						Semi-massive MV.	A16-06396
1607767	526473.00	5518009.00	UTM_Nad83 Zn15N	GAB	PM						Gabbro. Massive.	A16-06396
1607768	526483.00	5517986.00	UTM_Nad83 Zn15N	GAB	PM						Gabbro	A16-06396
1607769	526490.00	5517963.00	UTM_Nad83 Zn15N	GAB	PM							A16-06396
1607770	526497.00	5517938.00	UTM_Nad83 Zn15N	GAB	PM							A16-06396
151001	523731.2532	5517942.997	UTM_Nad83 Zn15N	MV	PM		72	Bedrock	dark green	foliated	MG mafic metavolcanic. 35% CG hyperluminous nodules associated with Biotite	A16-10184
151002	523735.6464	5517916.252	UTM_Nad83 Zn15N	MV	PM			Angular Fl	grey-green	foliated	well foliated mg mafiv volcanic. Characterized by abundant Hbld and Albite	A16-10184
151003	523738.2354	5517884.298	UTM_Nad83 Zn15N	mV	PM		74	Bedrock	green	foliated	vfg to fg mafic metavolcanic.Well foliated.	A16-10184
151004	523731.134	5517860.419	UTM_Nad83 Zn15N	MV	PM		72	Bedrock	grey-black	massive	60% black hornblende and albite. Probably a thick mg MV flow. No alteration	A16-10184
151005	523632.7099	5517771.1	UTM_Nad83 Zn15N	MV	PM		75	Bedrock	grey-dark	foliated	vfg albite rich volcanic with thin mm-scale hbld rich bands.Minor Biotite (primary?)	A16-10184
151006	523628.9519	5517796.134	UTM_Nad83 Zn15N	MV	PM		75	Bedrock	buff dark g	foliated	same as #151003 and 151005. High percentage of albite and HBLD.	A16-10184
151007	523636.1498	5517818.727	UTM_Nad83 Zn15N	MV	PM		70	Bedrock	green	foliated	strongly tourmalinized volcanics within 10m of sample. Mainly actinolite and chlorite altered MV.	A16-10184
151008	523639.7438	5517847.679	UTM_Nad83 Zn15N	MV	PM		70	Bedrock	grey green		typical very fine to fine grained MV. No alteration. Abundant albite and HBLD.	A16-10184
151009	523638.2327	5517867.756	UTM_Nad83 Zn15N	MV	PM		72	Bedrock	dark green	foliated	tourmalinized mafic metavolcanic. Abundant chlorite. Up to 20-25% mm to 5mm long crystals of tourmaline or actinolite?	A16-10184
151010	523636.2879	5517893.217	UTM_Nad83 Zn15N	MV	PM		78	Bedrock	green	foliated	Green. Very fine to fine grained mafic metavolcanic.	A16-10184
151011	523644.3769	5517911.993	UTM_Nad83 Zn15N	MV	PM		75	Bedrock	grey-green	weakly foli	albite and hbld rich volcanic, potentially a coarser MV flow? Minor biotite.	A16-10184
151012	523485.754	5518133.443	UTM_Nad83 Zn15N	MV	PM		70	Bedrock	black gree	foliated	thin sliver of Mafiv metavolcanic wedged between two albite type pegmatites which may potentially have fine replaced crystals of spodumene.	A16-10184
151013	523475.0386	5518111.216	UTM_Nad83 Zn15N	MV	PM		65	Bedrock	dark grey	foliated	weakly altered MV. Weak biotization characterized by v. Think (1mm bands seams of biotite rich MV).	A16-10184
151014	523379.8204	5518053.145	UTM_Nad83 Zn15N	MV	PM		60	Bedrock	gren-grey	eak pink	Well foliated MV. Consists primarily of Albite, Hbld, and minro chlorite. Weak, and semi- pervasive felspathisation (pink) alteration of unit**The	A16-10184
151015	523381.9438	5518073.852	UTM_Nad83 Zn15N	MV	PM			Bedrock	dark green	foliated	well foliated MV.).1m from K-spar rich pegmatite. Pegmatite was sampled also (151016). MV contains approx 15% vfg biotite or potentially VFg	A16-10184
151016	523378.3951	5518074.517	UTM_Nad83 Zn15N	MV	PM			Bedrock	pink	massive	Pegmatite sampled to determine the level of enrichment versus dispersion to previous sample. peg with 35% kspar,30% Albite, 25% Quartz,	A16-10184
151017	523372.0583	5518102.14	UTM_Nad83 Zn15N	MV	PM		60	Bedrock	grey to da	foliated	weak feldspar alteraion (k-pink) and biotite alteration	A16-10184
151018	523370.8543	5518123.941	UTM_Nad83 Zn15N	MV	PM		60	Bedrock	dark grey	foliated	Hbld, albite, biotite volcanic rock. No alteration. Weakly foliated.	A16-10184
151019	523281.4716	5518121.971	UTM_Nad83 Zn15N	MV	PM		65	Bedrock	dark grey	foliated	Weakly foliated Mv. Pedominantly Hbld (50), Biotite (25%) and Albite (25%)	A16-10184
151020	523277.238	5518099.708	UTM_Nad83 Zn15N	MV	PM		42	Bedrock	dark grey	foliated	same as #151019. Predominanlty HBLD, BIO and Albite.	A16-10184
151021	523284.983	5518069.835	UTM_Nad83 Zn15N	MV	PM		38	Bedrock	grey to da	foliated	predominantly Hbld, Albite and Biotite. 10-15% biotite but i'm not confident the biotite is primary. Within 0.9 of a Mg granite sill.	A16-10184
151022	524671.0055	5517871.354	UTM_Nad83 Zn15N	MV	PM		66	Bedrock	dark green	foliated	Typical Mv. Patchy semi-pervasive epidote alteration. Chlorite/Act altered volcanic	A16-10184
151023	524673.8337	5517892.456	UTM_Nad83 Zn15N	MV	PM		65	Bedrock	dark green	foliated	Chl-Act altered Mv. Within 3 metres of a spodumene mineralized pegmatite dike 1m thick.	A16-10184
151024	524682.5448	5517902.309	UTM_Nad83 Zn15N	MV	PM		65	Bedrock	dark green	porhyrobla	20-25% up to 3cm prophyroblastic tourmaline crystals that are made of smaller tourmaline crystal. Mv unit is strongly altered by Tour throughout.	A16-10184
151025	524676.083	5517918.849	UTM_Nad83 Zn15N	MV	PM		68	Bedrock	grey green	foliated	vfg grey green mv volcanic. Slightly silicified or potentially an Iv. No alt. 10. from pegmatite	A16-10184
151026	524663.1338	5517960.177	UTM_Nad83 Zn15N	MV	PM		68	Bedrock	dark green	bedded	finely bedded volcaniclastic tuffw ith both mm scale dark green bands and 5-10mm thich lighter tuffaceous material. Scattered lapilli up to 3cm.	A16-10184
151027	524675.6573	5518013.251	UTM_Nad83 Zn15N	MV	PM		75	Bedrock	grey green	bedded	Fg bedded and laminated mafic tuff. Well foliated. Not altered.	A16-10184
151028	524680	5518042	UTM_Nad83 Zn15N	MV	PM		65	Bedrock	grey green	bedded	Fg bedded and laminated mafic tuff. Well foliated. Not altered.	A16-10184
151029	524687	5518066	UTM_Nad83 Zn15N	MV	PM		72	Bedrock	grey green	bedded	Fg bedded and laminated mafic tuff. Well foliated. Not altered.	A16-10184
151030	524972.3285	5518076.226	UTM_Nad83 Zn15N	MV	PM	254	62	Bedrock gr	dark green	weakly foli	Sample might be replication a historical grab sample of 300-500 ppm Li or slightly along strike of Selco sample. Typical Mv. May be slightly biotized.	A16-10184
151031	524969.7533	5518095.831	UTM_Nad83 Zn15N	MV	PM	244	66	Bedrock gr	dark green	foliated	Same as 151030. Hbld>>Alb>>Bio. No visible alteration.	A16-10184
151032	524959.2236	5518128.614	UTM_Nad83 Zn15N	MV	PM	238	65	Bedrock gr	dark green	foliated an	Typical Mv with un weather and pronounced Hbld porphyroblasts (15-20%)	A16-10184
151033	524891.8686	5518007.888	UTM_Nad83 Zn15N	MV	PM			Bedrock gr	green to d	bedded	Mv. Bedded and laminated volcanic tuff with hbld rich bedding and lighter tuffaceous beds.	A16-10184
151034	524953.8993	5517870.362	UTM_Nad83 Zn15N	MV	PM	248	65	Bedrock gr	grab	foliated	Typical MV. Acicular mm-scale crystals oriented along foliation planes.	A16-10184
151035	524976.0656	5517860.325	UTM_Nad83 Zn15N	IV	PM	238	68	Bedrock gr	grey-gren	foliated	VFG. Somewhat glassy appearance. Predominantly Feldspar, albite with vfg acicular HBLD crystals. Sharp eadges along breaks. Nerby pegmatite vein	A16-10184
151036	524983.2489	5517835.355	UTM_Nad83 Zn15N	MV	PM	264	68	Bedrock gr	dark green	foliated	Mafic metavolcanic. Occassional mm-scaleHbld veinlets.	A16-10184
151037	525044.1453	5517883.37	UTM_Nad83 Zn15N	IV	PM	238	70	Bedrock gr	grey to bu	foliated	IV? Probably a silicified mafic metavolcanic. No free wuartzhowever there is 60-65% albite, 20-25% Hbld, trace bio. Within 2m of well mineralized	A16-10184
151038	524991.0823	5517810.667	UTM_Nad83 Zn15N	MV	PM	240	70	Bedrock gr	grey	foliated	55-60% Albite, 30-35 Hbld, 5% Quartz? And 5% biotite.	A16-10184
151039	525004.6588	5517776.435	UTM_Nad83 Zn15N	vfg	PM	254	65	Bedrock gr	grey	foliated	same as #151038	A16-10184
151049	523447.3312	5518137.283	UTM_Nad83 Zn15N	PEG	PM	270		Bedrock gr	pink-grey	massive	Feldspar (50%), Tourmaline (20%), Quartz (15%), Musc (15%). Sample planned to test Li strenght of dispersion based on the Li content of the	A16-10184
151101	523779	5517961	UTM_Nad83 Zn15N	AMPH	DM			Bedrock	black	schistose	looks like amphiobolite schist, 75-85% amphibole, approx15% plag	A16-10184
151102	523779	5517952	UTM_Nad83 Zn15N	MV	DM			Bedrock	black	schistose	strongly foliated - schist to almost gneissic. Possible 1-3mm lath-like holmquistite (blue metallic-adamantine sheen). Tourmaline crustals 1-2cm	A16-10184
151103	523779	5517952	UTM_Nad83 Zn15N	PEG	DM			Bedrock	beige-whit	sugary-equ	sugary aplite dyke, 30cmx1.5m exposure (250/65). Qtz 20% (rare 1-2cm crystals), Fldspar 75% (sugary-fg-mg), trace tournamline, 1-2% biotite 3-	A16-10184
151104	523782	5517928	UTM_Nad83 Zn15N	AMPH	DM			Bedrock	dark grey	schistose	meta volcanoclastic-amphibolite? 75% amphibole with 3-5mm amphibole porphyroblasts. 10% plag, minor biotite up to 3%	A16-10184
151105	523782	5517892	UTM_Nad83 Zn15N	MV	DM			Bedrock	dark grey-	foliated	strongly foliated, fg to nearly aphanitic. Possible stretched pillows.	A16-10184
151106	523777.8681	5517868.345	UTM_Nad83 Zn15N	MV	DM			Bedrock	dark grey	schistose	minor (metamophic?) biotite. Location needs to be confirmed	A16-10184
151107	523684	5517868	UTM_Nad83 Zn15N	PEG	DM			Bedrock	pink to wh	pegmatitic	10-15% spodumene (5-10mmx1-3cm crystals), 5-10% greenish muscovite (5-15mm), 25% qtz, 55% feldspar, 2-3% blueish apatite (3-5mm).	A16-10184
151108	523678	5517878	UTM_Nad83 Zn15N	MV	DM			Bedrock	black	schistose	looks almost like an amphibolite schist, 2-3cm partings. Amphibole may be metamorphic?	A16-10184

Sample #	UTM_X	UTM_Y	Projection	Lithology	Sampler	Strike	Dip	Type	Colour	Text	Comments	Certificate
151109	523684	5517925	UTM_Nad83 Zn15N	AMPH?	DM			Bedrock	dark grey		amphibole 65%, plag 35%. 2m from pegmatite	A16-10184
151110	523671	5517925	UTM_Nad83 Zn15N	AMPH	DM			Bedrock	black	foliated	at contact with pegmatite (about 1m wide). 80% amphibole, 20% plag	A16-10184
151111	523578	5517762	UTM_Nad83 Zn15N	MV	DM			Bedrock	dark grey	soliated	strongly foliated mafic volcanic? amphibole±biotite porphyroblasts	A16-10184
151112	523586	5517736	UTM_Nad83 Zn15N	MV	DM			Bedrock	dark grey	weakly foliated		A16-10184
151113	523588	5517722	UTM_Nad83 Zn15N	MV	DM			Bedrock	black	foliated	moderatly to strongly foliated with abundnat (metamohpic?) biotite. Almost looks like a biotite schist.	A16-10184
151114	523591	5517699	UTM_Nad83 Zn15N	MV	DM			Bedrock	grey	foliated	moderatly foliated	A16-10184
151115	523581	5517682	UTM_Nad83 Zn15N	IV	DM			Bedrock	grey-light	almost sug	5cm from PEG contact. Light grey foliated with almost sugary (possible silicification?) texture.	A16-10184
151116	523581	5517682	UTM_Nad83 Zn15N	PEG	DM			Bedrock	pink to wh	seriated	seriate texture aplite?. fg feldspar groun mass (70%) with quartz phenocrysts (30%) up to 1cm in size.	A16-10184
151120	524527.9613	5517824.895	UTM_Nad83 Zn15N	MV	DM	278	66	Bedrock	Dark grey	foliated	moderate to strong foliation	A16-10184
151121	524524.6874	5517832.885	UTM_Nad83 Zn15N	MV	DM	270	76	Bedrock	dark grey	slatey	Almost slatey cleavage partings, 10-20mm thick layers. Biotite is likley metamorphic	A16-10184
151122	524524.8406	5517894.148	UTM_Nad83 Zn15N	MV	DM	74	85	Bedrock	dark grey	foliated	strongly foliated mafic metavolcanic with minor biotite (metamorphic?). Rare amphibole porpyroblasts are present	A16-10184
151123	524529.5381	5517968.661	UTM_Nad83 Zn15N	MV	DM	280	85	Bedrock	grey to da	foliated	strongly foliated mafic metavolcanic	A16-10184
151124	524528.5022	5517990.782	UTM_Nad83 Zn15N	MV	DM	270	68	Bedrock	dark grey	foliated	strongly foliated mafic metavolcanic	A16-10184
151125	524529.2904	5518023.14	UTM_Nad83 Zn15N	MV	DM	68	75	Bedrock	grey to pir	foliated	almost massive mg MV with weak foliation. Amph 75%, Plag 25%. Sugary texture (silicified?)	A16-10184
151126	524529.3822	5518034.592	UTM_Nad83 Zn15N	MV	DM	81	77	Bedrock	grey-green	foliated	weak to moderatly foliated mafic metavolcanic. Possibly intermediate metavolcanic rock.	A16-10184
151127	524515.1597	5518061.323	UTM_Nad83 Zn15N	MV	DM	275	85	Bedrock	greenish g	foliated	moderate to strong foliation	A16-10184
151128	524629.0504	5518123.548	UTM_Nad83 Zn15N	MV	DM			angular Flo	dark grey	foliated	moderatly foliated, 270/80 5m NW (very difficult to sample, prefectly smooth outcrop)	A16-10184
151129	524630.5777	5518088.421	UTM_Nad83 Zn15N	MV	DM	275	81	Bedrock	grey to da	foliated	3-5% biotite (metamorphic?) in moderatly foliated amphibole rich mafic metavolcanic	A16-10184
151130	524635.3117	5518028.515	UTM_Nad83 Zn15N	MV-volcanocl	DM			angular flo	dark grey	foliated	moderatly to strongly foliated, with possible 1-2mm pink garnet porphyroblasts. 2-3% biotite throughout (metamorphic?)	A16-10184
151131	524625.9872	5518006.569	UTM_Nad83 Zn15N	MV	DM	264	76	Bedrock	dark grey	foliated	moderate foliation	A16-10184
151132	524621.7792	5517982.757	UTM_Nad83 Zn15N	MV	DM	265	66	Bedrock	grey	foliated, m	modearte to weak foliation in massive metavolcanic. 70% amphibole (almost prophyroblastic), 30% plag	A16-10184
151133	524640.7187	5517963.053	UTM_Nad83 Zn15N	MV	DM	264	80	Bedrock	greenish d	foliated, m	modeate to weak foliation in massive metavolcanic rock	A16-10184
151134	524627.8093	5517906.847	UTM_Nad83 Zn15N	MV	DM	276	85	Bedrock	grey	fol	moderatly foliated. Weakly silicified of more silicious metavolcanic?	A16-10184
151135	524625.0811	5517889.823	UTM_Nad83 Zn15N	MV	DM			frost heav	grey	fol	moderalty foliated-massive mafic metavolcanic	A16-10184
151136	524626.1612	5517826.565	UTM_Nad83 Zn15N	MV-IV	DM			angular flo	grey	massive	higher silica content? Silica altered?	A16-10184
151137	524476.3196	5517964.084	UTM_Nad83 Zn15N	MV	DM	276	81	Bedrock	rusty red a	foliated	moderatly foliated rusty mafic metavolcanic. Elongate 0.5-1mmx 2-4mm lenses parallel to foliateion (rusty clay altered plag?)	A16-10184
151138	524473.7404	5517945.838	UTM_Nad83 Zn15N	AMPH?	DM	279	83	Bedrock	dark grey	foliated-gr	looks like a tonalite-amphibolite gneiss. 65% fg amphibole, 35% plag. Possible fg quartz (alteration?)	A16-10184
151139	524472.5422	5517924.485	UTM_Nad83 Zn15N	MV-IV	DM	267	64	Bedrock	grey	foliated	possible aciculart 0.5-1mmx5-7mm homquistite (or actinolite).	A16-10184
151140	524464.5841	5517918.334	UTM_Nad83 Zn15N	PEG	DM			Bedrock	white-pink	pegmatitic	albite 50%, quarts 25%, greenish sericitized muscovite 10%, apatite 5%, spodumene up to 10 % (partially replaced?)	A16-10184
151141	524726.0606	5517818.461	UTM_Nad83 Zn15N	MV	DM	240	65	Bedrock	greenish g	foliated	moderate to strongly foliated mafic metavolcanic rock with moderate chloritization.	A16-10184
151142	524722.0935	5517836.343	UTM_Nad83 Zn15N	MV	DM	263	72	Bedrock	green grey	foliated	greenish grey chloritized mafic metavolcanic rocks with 1-2mm bt crystals aligned withing the cleavage plane (metamorphic)	A16-10184
151143	524722.4678	5517864.585	UTM_Nad83 Zn15N	MV	DM	240	61	Bedrock	green chal	foliated	strongly chloritized (and biotite metamorphised) with 2-3mm amphibole porphyroblasts	A16-10184
151144	524721.2959	5517884.815	UTM_Nad83 Zn15N	MV	DM	262	76	Bedrock	greenish g	foliated	biotite (metamorphic?) throughout. Moderatly foliated with rusty surfaces/fractures throughout	A16-10184
151145	524722.9631	5517913.508	UTM_Nad83 Zn15N	MV	DM	265	90	Bedrock	faint green	foliated-m	weak to moderate foliation, weakly chloritized massive mafic metavolcanic rock. Minor limonite/rusty staining on fracture surfaces.	A16-10184
151146	524719.3829	5517941.176	UTM_Nad83 Zn15N	MV	DM	267	71	Bedrock	greenish g	foliated-m	moderatly foliated chloritized massive mafic metavolcanic rock	A16-10184
151147	524718.991	5517995.321	UTM_Nad83 Zn15N	IV-MV	DM	240	64	Bedrock	grey	foliated	strongly foliated intermediate metavolcanic. Looks like a quartz biotite schist (tonalite composition?)	A16-10184
151148	524716.4035	5518041.894	UTM_Nad83 Zn15N	MV	DM	274	69	Bedrock	greenish g	foliated	strongly foliated mafic metavolcanic rock, nearly schisty amphibolite. Apparent amphibole porphyroblasts (2-3mm) throughout with fabric warpping	A16-10184
151149	524721.4611	5518068.601	UTM_Nad83 Zn15N	MV	DM	260	80	Bedrock	green grey	foliated	strongly foliated chloritized mafic metavolcanic with abundant biotite (metamorphic?)	A16-10184
151150	524776.2441	5517920.201	UTM_Nad83 Zn15N	MV	DM	258	75	Bedrock	green to g	foliated-m	weak foliation in strongly chloritize mafic metavolcanic rock	A16-10184
151151	524764.0243	5517902.133	UTM_Nad83 Zn15N	MV	DM	263	77	Bedrock	green to g	foliated-m	massive strongly to moderatly folaited, strongly chloritized mafic metavolcanic. Fine grained biotite throughout (metamorphic?)	A16-10184
151152	524770.7315	5517882.929	UTM_Nad83 Zn15N	MV	DM			Bedrock	green to d	pillowed?	possible pillows in strongly chloritized mafic metavolcanic with limonite/rusty staining.	A16-10184
151153	524771.2469	5517849.021	UTM_Nad83 Zn15N	MV	DM	263	70	Bedrock	greenish g	foliated	moderatly chloritized, strongly foliated mafic metavolcanic rock with abundant fg biotite throughout. Abundant acicular tourmaline?(<0.5mmx2-	A16-10184
151154	524861.5485	5517862.778	UTM_Nad83 Zn15N	MV	DM	261	72	Bedrock	grey	foliated-m	5-10% fg quartz, 65% amph with minor biotite (metamophic), 25% plag. Moderatly to strongly foliated mafic metavolcanic, massive, almost	A16-10184
151155	524845.5393	5517870.821	UTM_Nad83 Zn15N	MV	DM	254	69	Bedrock	green grey	foliated	strongly foliated with abundant vfg biotite in plane of foliation (metamorphic). Weakly chloritized. 1-3cm massive quartz veins 1m away, parallel to	A16-10184
151156	524843.1493	5517905.499	UTM_Nad83 Zn15N	MV	DM	255	81	Bedrock	green to d	foliated-pi	moderatly foliated, strongly chloritized mafic metavolcanic with felsic pods(replaced pillow eyebrows?). 3-5% 1cmx2mm tourmaline crystals	A16-10184
151157	524807.805	5517940.915	UTM_Nad83 Zn15N	MV	DM			Bedrock	buff green	foliated	weak to moderatly foliated and chloritized mafic metavolcanic rock. Abundant hair thin 2-4mm acicular tourmaline. Vfg biotite throughout. Near	A16-10184
151158	524886.11	5517919.15	UTM_Nad83 Zn15N	MV	DM	244	90	Bedrock	green grey	foliated-m	moderatly foliated massive mafic metavolcanic rock with vfg biotite. Moderalty chloritized.	A16-10184
151159	524884.5054	5517892.681	UTM_Nad83 Zn15N	MV	DM	256	72	Bedrock	grey to gre	foliated-m	moderatly foliated, massive, weakly chloritized mafic metavolcanic rock. 2-3mm amphibole? Porphs apparent on weathered surfaces. Almost looks	A16-10184
151160	524909.6355	5517872.562	UTM_Nad83 Zn15N	MV	DM	252	61	Bedrock	grey to gre	foliated-m	weak to moderatly foliated massive mafic metavolcanic, weakly chloritized. 30cm from 5-7cm quartz+sericite vein parallel to foliation.	A16-10184
151162	524018.4222	5517746.665	UTM_Nad83 Zn15N	MV	DM			Angular Flo	grey	massive	angular float of massive weakly foliated mafic metavolcanic, very flat smooth outcrop nearby (can't sample)	A16-10184
151163	524005.5305	5517717.255	UTM_Nad83 Zn15N	MV-IV	DM	286	67	Bedrock	rusty grey	massive	massive medium grained siliceous (altered?) mafic to intermiediate metavolcanic rock. Looks like this location was previously samples (broken rock)	A16-10184
151164	524016.7024	5517583.441	UTM_Nad83 Zn15N	MV	DM	256	62	Bedrock-fr	dark grey-	fol	moderatly folaited weakly chloritized mafic metavolcanic rock	A16-10184
151165	524064.0169	5517751.204	UTM_Nad83 Zn15N	IV-MV	DM	275	55	Bedrock	grey	massive-fo	intermediate metavolcanic, massive weakly foliated with hair thin 5-7mm acicular tourmaline throughout. Foliation 275/55, jointing 355/75	A16-10184
151166	524120.2934	5517748.231	UTM_Nad83 Zn15N	IV-MV	DM	285	65	Bedrock	grey	massive	massive mg very weakly foliated intermediate to mafic metavolcanic rock	A16-10184
151168	523508.5798	5518230.177	UTM_Nad83 Zn15N	PEG	DM			Bedrock	pink	pegmaititic	very coarse grained to massive albite (70%) pegmatite with large quartz crystlas 5-7cm (25%). Greenish muscovite throughtou (2-3%) with possible	A16-10184
151189	522975.8038	5517870.429	UTM_Nad83 Zn15N	PEG	DM			Bedrock	pinkish wh	pegmatitic	pinkish albite (k-spar altered?) 55-65% up to 2x5cm, 30% subhedral quartz 5-10mm in diametre, 2-3% greenish yellow 5-10mm muscovite, 12% 2-	A16-10184

Quality Analysis ... *Innovative Technologies*

Date Submitted: 04-Oct-16
Invoice No.: A16-10184
Invoice Date: 14-Nov-16
Your Reference: Mavis Fairservice

International Lithium Corp.
PO Box 62
Suite 488 - 625 Howe Street
Vancouver B.C. V6C 2T6
Canada

ATTN: John Harrop

CERTIFICATE OF ANALYSIS

175 Rock samples were submitted for analysis.

The following analytical package(s) were requested: Code UT-7 Sodium Peroxide Fusion (ICP & ICPMS)

REPORT **A16-10184**

Notes:

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
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Analyte Symbol	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	Fe	Ga	Gd	Ge	Ho	Hf	In
Unit Symbol	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	5	10	3	3	2	0.01	2	0.8	0.2	30	0.1	2	0.3	0.1	0.1	0.05	0.2	0.1	0.7	0.2	10	0.2
Method Code	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
151001	5.51	8	< 10	381	17	< 2	7.35	3	69.8	50.8	830	474	30	4.4	2.2	2.6	7.73	16.2	7.3	4.3	0.9	10	0.4
151002	6.99	14	450	70	< 3	< 2	3.91	< 2	50.4	19.6	< 30	5.0	9	12.7	9.0	3.0	11.5	27.8	11.5	3.9	3.0	10	0.3
151003	7.74	< 5	< 10	5	< 3	< 2	6.53	< 2	10.9	38.4	140	0.4	49	3.9	2.1	1.4	9.71	20.1	3.8	2.3	0.8	< 10	< 0.2
151004	7.88	< 5	1580	34	4	< 2	7.27	< 2	12.7	46.1	160	2.3	18	3.8	2.3	1.4	9.39	19.3	4.1	3.2	0.8	< 10	< 0.2
151005	6.43	< 5	< 10	6	< 3	< 2	2.05	< 2	42.9	11.8	30	0.7	< 2	13.6	11.5	2.2	8.12	26.2	9.4	3.0	3.7	20	< 0.2
151006	6.44	< 5	20	60	9	3	7.27	< 2	65.1	8.6	40	8.3	< 2	20.2	14.8	3.2	6.22	31.3	18.0	6.3	4.9	20	< 0.2
151007	8.12	< 5	< 10	35	< 3	< 2	6.36	< 2	9.3	46.7	150	1.5	21	3.9	2.3	1.1	8.73	20.1	4.1	2.4	0.9	< 10	< 0.2
151008	7.74	< 5	550	34	12	< 2	6.11	< 2	17.4	34.4	90	50.4	24	8.3	5.5	1.6	10.7	22.3	6.7	3.0	2.1	10	< 0.2
151009	7.90	< 5	3580	19	5	< 2	5.90	< 2	6.8	54.5	120	53.2	5	5.6	3.8	1.3	12.5	21.6	4.4	3.3	1.3	< 10	< 0.2
151010	7.85	< 5	30	17	< 3	< 2	6.80	< 2	8.2	40.6	140	1.6	31	3.6	2.1	1.3	9.51	19.1	3.9	2.5	0.8	< 10	< 0.2
151011	8.03	< 5	30	534	< 3	< 2	6.25	< 2	72.2	42.7	240	28.0	19	4.4	2.5	2.5	8.94	21.3	6.7	4.4	0.9	< 10	< 0.2
151012	7.60	< 5	230	214	70	< 2	3.51	3	12.8	46.3	80	1450	16	5.8	4.1	1.0	12.9	33.8	5.1	6.4	1.3	< 10	< 0.2
151013	6.09	< 5	< 10	52	< 3	< 2	5.59	< 2	19.0	27.7	< 30	15.3	8	8.6	5.8	1.9	12.7	24.0	7.5	3.2	2.0	10	< 0.2
151014	7.54	< 5	< 10	112	< 3	< 2	7.50	< 2	26.7	47.9	510	4.3	29	2.6	1.7	1.1	6.45	17.5	3.5	3.3	0.6	< 10	< 0.2
151015	7.42	< 5	< 10	22	< 3	< 2	6.90	< 2	11.1	38.9	60	3.9	25	5.8	4.1	1.5	13.1	24.1	5.1	3.2	1.4	< 10	< 0.2
151016	7.88	< 5	90	433	29	< 2	0.38	< 2	17.9	0.6	30	51.8	< 2	0.5	0.2	0.2	0.53	29.0	0.9	4.9	< 0.2	< 10	< 0.2
151017	6.55	< 5	< 10	7	< 3	< 2	3.83	< 2	32.7	18.8	40	1.0	20	14.2	10.0	2.3	7.67	31.8	11.9	3.4	3.2	20	< 0.2
151018	6.47	< 5	< 10	442	< 3	< 2	5.43	< 2	22.0	31.4	< 30	24.8	14	7.8	4.7	2.1	13.2	27.9	7.6	3.5	1.7	< 10	< 0.2
151019	6.34	< 5	< 10	385	< 3	< 2	5.69	< 2	18.7	29.3	< 30	125	9	8.7	5.6	2.0	13.6	25.5	7.8	3.4	2.0	< 10	< 0.2
151020	7.06	< 5	< 10	11	< 3	< 2	5.02	< 2	12.0	36.6	70	4.5	22	5.9	3.7	1.5	12.6	22.7	5.1	3.6	1.4	< 10	< 0.2
151021	8.30	< 5	< 10	239	3	< 2	5.73	< 2	39.1	35.8	350	84.3	16	2.9	1.6	1.5	6.12	17.7	4.0	3.4	0.6	< 10	< 0.2
151022	7.14	< 5	< 10	200	< 3	< 2	9.37	< 2	36.9	51.3	580	3.2	22	4.4	2.6	1.9	10.2	15.1	5.1	3.9	0.9	< 10	< 0.2
151023	5.51	< 5	< 10	65	< 3	< 2	8.83	< 2	79.2	50.9	770	1.7	10	4.1	1.9	2.5	7.42	13.4	7.2	4.0	0.8	< 10	< 0.2
151024	6.24	< 5	3530	693	13	< 2	7.55	< 2	44.9	48.2	850	146	6	3.4	1.8	2.4	6.82	14.8	5.5	3.8	0.7	< 10	< 0.2
151025	7.68	< 5	60	169	< 3	< 2	4.93	< 2	16.4	38.4	240	39.5	28	2.8	1.8	1.0	6.84	18.1	2.9	3.0	0.7	< 10	< 0.2
151026	7.77	< 5	30	23	< 3	< 2	5.55	< 2	14.8	43.9	< 30	5.4	17	6.5	4.6	1.6	12.3	23.6	6.5	1.2	1.4	< 10	< 0.2
151027	5.86	< 5	10	30	< 3	< 2	7.52	< 2	39.9	16.8	< 30	2.8	59	12.3	7.3	3.2	14.0	28.7	12.1	3.1	2.9	10	< 0.2
151028	7.95	< 5	< 10	49	< 3	< 2	7.26	< 2	9.2	51.7	90	2.6	22	3.6	2.6	0.9	9.14	16.8	2.9	2.6	0.9	< 10	< 0.2
151029	7.29	< 5	< 10	29	< 3	< 2	6.74	< 2	7.0	51.5	140	2.1	42	3.7	2.6	0.8	9.52	16.1	3.5	1.9	0.8	< 10	< 0.2
151030	7.81	< 5	< 10	50	< 3	< 2	6.71	< 2	5.4	55.1	130	3.3	28	3.6	2.5	1.0	10.3	19.5	3.6	2.1	0.8	< 10	< 0.2
151031	7.12	6	< 10	119	< 3	< 2	7.65	< 2	11.1	52.8	< 30	2.8	74	5.0	4.0	1.0	11.7	18.5	4.2	1.2	1.2	< 10	< 0.2
151032	8.09	< 5	< 10	26	< 3	< 2	6.77	< 2	6.7	62.0	130	3.8	17	3.9	2.4	1.1	11.4	21.2	4.1	1.7	0.8	< 10	< 0.2
151033	7.67	< 5	10	190	< 3	< 2	6.95	< 2	14.7	41.8	< 30	6.5	25	6.7	4.5	1.7	13.0	25.7	6.6	1.2	1.4	< 10	< 0.2
151034	6.98	< 5	< 10	139	< 3	< 2	6.53	< 2	10.6	35.9	110	15.7	3	4.0	2.4	2.7	7.81	21.2	5.3	2.2	0.8	< 10	< 0.2
151035	8.61	< 5	10	44	< 3	< 2	3.16	< 2	23.2	16.2	< 30	4.5	31	3.1	2.1	1.1	5.52	20.8	3.1	1.5	0.6	< 10	< 0.2
151036	7.75	< 5	1050	124	< 3	< 2	7.26	< 2	12.7	43.4	210	7.9	48	4.1	2.4	1.4	9.24	19.1	4.9	2.0	0.8	< 10	< 0.2
151037	5.92	< 5	< 10	91	3	< 2	3.87	< 2	46.1	7.1	< 30	6.9	< 2	17.3	14.0	2.3	6.35	29.4	13.8	3.0	4.0	20	< 0.2
151038	6.23	< 5	< 10	12	< 3	< 2	2.89	< 2	32.0	15.5	< 30	16.9	< 2	15.3	11.3	2.5	8.54	26.9	13.3	2.2	3.4	10	< 0.2
151039	6.62	< 5	20	333	< 3	< 2	4.93	< 2	20.0	34.7	< 30	15.6	22	9.3	6.9	1.6	10.3	23.7	7.7	1.8	2.1	10	< 0.2
151040	7.12	< 5	30	50	< 3	< 2	12.5	< 2	11.3	42.4	200	3.1	50	3.5	2.6	0.9	8.73	19.8	3.2	1.6	0.8	< 10	< 0.2
151041	7.21	< 5	20	575	< 3	< 2	10.2	< 2	72.0	37.7	170	23.5	238	3.9	2.1	2.4	8.51	15.3	5.8	3.5	0.8	< 10	< 0.2

Analyte Symbol	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	Fe	Ga	Gd	Ge	Ho	Hf	In
Unit Symbol	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	5	10	3	3	2	0.01	2	0.8	0.2	30	0.1	2	0.3	0.1	0.1	0.05	0.2	0.1	0.7	0.2	10	0.2
Method Code	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
151042	6.70	< 5	< 10	121	< 3	< 2	7.77	< 2	19.5	43.2	< 30	5.5	75	6.1	4.3	1.6	12.0	23.2	6.2	0.9	1.3	< 10	< 0.2
151043	7.43	< 5	< 10	33	< 3	< 2	6.71	< 2	13.1	26.2	60	2.2	10	5.3	3.4	1.4	11.6	25.0	5.6	1.2	1.1	< 10	< 0.2
151044	7.70	< 5	110	40	< 3	< 2	6.61	< 2	8.5	56.0	90	328	8	4.3	3.0	1.1	11.9	20.8	4.4	1.5	0.9	< 10	< 0.2
151045	7.06	< 5	< 10	62	< 3	< 2	7.41	< 2	7.9	46.1	190	7.8	3	3.9	2.6	0.8	10.2	14.2	3.0	2.6	0.9	< 10	< 0.2
151046	6.77	< 5	< 10	206	< 3	< 2	6.81	< 2	10.9	42.1	< 30	9.7	32	6.4	3.9	1.7	13.2	23.4	6.0	2.6	1.4	< 10	< 0.2
151047	7.05	18	< 10	769	< 3	< 2	5.87	< 2	190	27.8	290	131	< 2	4.7	1.6	5.4	4.47	15.9	12.2	5.5	0.8	< 10	< 0.2
151048	6.28	21	< 10	62	< 3	< 2	6.04	< 2	20.1	34.9	30	8.1	26	7.8	5.5	1.6	11.7	20.6	6.2	2.5	1.9	10	0.2
151049	8.31	8	910	17	25	< 2	0.98	< 2	28.7	1.1	50	2.8	< 2	1.7	0.9	0.4	0.81	36.0	2.1	4.3	0.3	< 10	< 0.2
151050	6.46	9	< 10	82	< 3	< 2	5.18	< 2	21.7	33.3	< 30	5.2	7	8.4	5.8	2.2	12.9	24.9	9.0	1.9	1.8	10	< 0.2
151051	7.40	< 5	< 10	19	< 3	< 2	10.7	< 2	11.1	53.8	260	2.6	39	3.7	2.6	0.9	8.88	17.5	3.1	2.7	0.9	< 10	< 0.2
151052	8.15	< 5	< 10	41	< 3	< 2	7.78	< 2	8.9	49.5	190	62.8	22	3.5	2.4	0.9	9.09	16.9	3.0	3.1	0.8	< 10	< 0.2
151053	8.15	< 5	90	69	< 3	< 2	8.34	< 2	7.3	53.4	250	24.2	60	3.0	2.0	0.7	8.75	15.2	2.5	3.0	0.7	< 10	< 0.2
151054	7.49	7	< 10	26	4	< 2	9.30	< 2	10.2	51.5	160	6.8	21	3.3	2.2	1.0	8.80	16.5	2.7	3.1	0.8	< 10	< 0.2
151055	7.17	< 5	< 10	36	< 3	< 2	6.39	< 2	13.3	40.2	80	0.3	13	5.9	3.9	1.5	12.1	22.7	5.3	2.7	1.3	< 10	< 0.2
151056	7.26	25	10	32	< 3	< 2	7.49	< 2	12.5	40.4	220	1.8	< 2	3.7	2.5	0.9	10.1	14.0	3.2	3.4	0.9	< 10	< 0.2
151057	7.48	< 5	< 10	41	< 3	< 2	6.89	< 2	8.5	24.6	130	0.7	79	4.1	2.9	0.9	10.6	14.2	3.3	2.8	1.0	< 10	< 0.2
151058	7.59	< 5	< 10	128	4	< 2	6.01	< 2	6.8	39.3	< 30	37.9	15	5.1	4.0	1.0	11.6	19.0	4.3	1.5	1.2	< 10	< 0.2
151059	6.57	54	< 10	23	< 3	< 2	4.96	< 2	19.0	16.9	30	1.7	9	11.3	7.3	2.3	11.6	26.5	9.6	2.8	2.6	< 10	< 0.2
151060	6.92	< 5	10	55	< 3	< 2	6.38	< 2	21.1	23.8	< 30	0.7	41	8.3	5.6	2.0	13.9	24.4	7.4	3.3	1.9	< 10	< 0.2
151061	7.87	< 5	< 10	149	< 3	< 2	4.85	< 2	11.0	49.4	130	59.1	134	4.7	2.9	1.3	11.2	21.9	4.2	3.0	1.0	< 10	< 0.2
151062	7.93	6	10	36	< 3	< 2	7.93	< 2	12.8	46.8	40	2.6	96	5.9	4.3	1.2	11.3	20.9	4.5	3.6	1.4	< 10	< 0.2
151063	8.06	< 5	30	108	< 3	< 2	9.99	< 2	11.9	50.5	160	5.4	97	4.3	3.0	1.0	10.0	19.9	3.6	3.4	1.0	< 10	< 0.2
151064	7.46	< 5	< 10	72	< 3	2	6.12	< 2	31.6	45.0	60	79.5	137	7.0	4.4	1.8	12.1	23.5	6.8	3.7	1.6	< 10	< 0.2
151101	6.54	< 5	< 10	110	< 3	< 2	10.5	< 2	64.0	48.8	680	9.2	23	4.3	2.3	2.5	8.28	14.0	6.9	4.3	0.9	< 10	< 0.2
151102	7.51	5	160	510	< 3	< 2	9.14	< 2	52.4	57.1	600	89.7	99	4.9	2.8	2.2	9.92	16.3	6.0	4.3	1.0	< 10	< 0.2
151103	9.74	< 5	210	27	12	< 2	0.46	< 2	1.8	1.2	50	1.6	< 2	< 0.3	< 0.1	< 0.1	0.38	42.3	0.1	5.9	< 0.2	10	< 0.2
151104	8.34	< 5	< 10	215	< 3	< 2	7.82	< 2	76.8	37.7	200	36.9	14	5.5	2.8	3.1	8.45	19.3	8.2	3.9	1.1	10	< 0.2
151105	7.87	< 5	10	14	< 3	< 2	6.23	< 2	9.1	34.4	140	1.5	26	4.1	2.3	1.4	9.84	19.4	4.3	2.8	0.9	10	< 0.2
151106	7.02	< 5	30	23	< 3	< 2	4.52	< 2	14.2	30.5	60	2.2	34	8.6	5.9	1.9	13.1	23.9	6.9	3.9	2.0	10	< 0.2
151107	7.63	39	20	< 3	68	< 2	0.18	4	< 0.8	0.7	70	42.2	< 2	< 0.3	< 0.1	< 0.1	0.67	58.0	< 0.1	5.2	< 0.2	10	< 0.2
151108	8.04	< 5	390	19	< 3	< 2	5.50	< 2	11.1	29.1	160	9.0	22	3.9	2.2	1.3	9.46	18.8	4.1	2.7	0.8	< 10	< 0.2
151109	7.29	8	320	137	< 3	< 2	3.13	< 2	31.7	15.8	40	40.7	< 2	15.4	10.8	2.9	9.30	26.4	12.1	3.5	3.7	20	< 0.2
151110	6.94	< 5	1610	73	< 3	< 2	5.80	< 2	7.3	42.1	40	39.2	101	6.4	4.5	1.4	13.0	20.9	5.2	2.8	1.5	< 10	< 0.2
151111	6.58	< 5	20	92	< 3	< 2	2.50	< 2	17.7	8.4	30	23.9	2	18.3	13.5	2.2	5.51	24.9	11.8	3.4	4.6	20	< 0.2
151112	7.81	< 5	10	298	< 3	< 2	8.16	< 2	28.8	40.2	70	8.0	40	9.6	6.7	2.3	13.1	25.6	8.1	3.1	2.2	10	< 0.2
151113	6.11	7	20	172	< 3	< 2	4.13	< 2	34.7	24.2	70	18.7	83	9.0	6.0	1.9	6.77	17.5	8.2	3.0	2.1	10	< 0.2
151114	7.98	< 5	20	188	< 3	< 2	2.18	< 2	28.1	30.6	60	24.8	41	9.5	6.4	1.5	8.03	24.4	7.7	3.3	2.2	10	< 0.2
151115	6.21	< 5	10	82	5	< 2	0.97	< 2	68.0	4.6	40	35.2	< 2	18.1	12.7	2.9	2.16	25.3	14.3	4.0	4.3	20	< 0.2
151116	7.66	< 5	360	120	98	5	0.54	2	18.7	3.8	40	55.7	12	8.2	5.9	1.1	1.45	37.3	5.4	5.8	2.0	20	< 0.2
151117	7.14	< 5	20	17	4	< 2	6.37	< 2	37.2	39.6	40	2.8	10	10.6	6.9	2.5	11.6	22.3	9.1	3.6	2.4	< 10	< 0.2
151118	7.11	< 5	390	520	7	< 2	8.02	< 2	35.7	52.6	50	6.3	23	8.8	5.9	2.2	11.9	18.3	7.7	4.4	2.0	< 10	< 0.2

Analyte Symbol	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	Fe	Ga	Gd	Ge	Ho	Hf	In
Unit Symbol	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	5	10	3	3	2	0.01	2	0.8	0.2	30	0.1	2	0.3	0.1	0.1	0.05	0.2	0.1	0.7	0.2	10	0.2
Method Code	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
151119	7.29	< 5	10	132	< 3	< 2	7.85	< 2	26.5	41.9	90	1.2	74	6.6	4.4	1.8	10.6	20.3	6.0	3.8	1.5	< 10	< 0.2
151120	7.78	< 5	< 10	96	< 3	< 2	6.05	< 2	10.6	32.0	130	33.7	10	6.9	4.6	1.6	10.0	21.3	5.7	3.6	1.6	< 10	< 0.2
151121	8.58	8	< 10	41	< 3	< 2	5.50	< 2	38.3	30.5	170	1.0	25	4.1	2.2	1.7	5.55	18.4	5.1	3.4	0.8	< 10	< 0.2
151122	5.51	< 5	20	167	< 3	< 2	7.46	2	67.8	47.8	820	12.6	14	4.5	2.1	2.7	7.74	12.5	7.3	3.2	0.9	< 10	0.2
151123	6.86	< 5	< 10	221	< 3	< 2	5.79	< 2	12.8	34.6	< 30	6.2	23	7.9	5.1	1.9	13.0	24.2	6.9	3.2	1.8	< 10	< 0.2
151124	7.80	< 5	< 10	42	< 3	< 2	6.23	< 2	7.9	41.3	100	5.2	24	5.9	3.8	1.4	11.4	23.1	5.2	3.3	1.3	< 10	< 0.2
151125	8.50	8	20	1900	< 3	< 2	4.59	< 2	154	16.7	80	14.8	23	3.2	1.2	3.2	5.40	19.7	7.9	3.5	0.5	< 10	< 0.2
151126	8.34	< 5	10	44	< 3	< 2	10.8	< 2	11.7	56.9	80	0.8	87	4.0	2.7	1.0	9.29	18.4	3.6	2.8	0.9	< 10	< 0.2
151127	7.53	< 5	< 10	33	< 3	< 2	8.79	< 2	10.8	47.9	240	2.7	57	3.9	2.7	1.0	9.69	17.6	3.4	2.7	0.9	< 10	< 0.2
151128	7.86	< 5	< 10	84	< 3	< 2	7.04	< 2	5.6	48.3	210	1.8	8	3.6	3.1	0.7	9.34	13.7	2.5	2.6	1.0	< 10	< 0.2
151129	6.75	< 5	< 10	127	< 3	< 2	5.07	< 2	12.9	28.3	< 30	12.4	17	7.4	5.0	1.6	12.2	21.3	6.0	3.3	1.7	< 10	< 0.2
151130	7.98	5	120	339	< 3	< 2	2.06	< 2	44.1	11.6	260	17.4	9	2.1	1.4	0.9	3.93	17.9	2.5	3.6	0.5	< 10	< 0.2
151131	5.96	< 5	10	87	< 3	< 2	5.81	< 2	40.2	15.8	< 30	0.9	55	12.8	7.9	3.3	13.2	25.8	13.1	4.3	2.9	< 10	< 0.2
151132	7.18	< 5	< 10	284	< 3	< 2	6.34	< 2	6.1	41.4	70	4.1	20	6.6	4.3	1.6	13.1	22.3	5.7	4.0	1.5	< 10	< 0.2
151133	6.76	< 5	< 10	97	< 3	< 2	6.51	< 2	8.6	29.5	30	0.4	18	7.2	4.8	1.6	12.6	21.5	5.9	4.5	1.6	< 10	< 0.2
151134	8.27	< 5	< 10	308	< 3	< 2	4.47	< 2	8.7	28.9	200	34.4	27	2.3	1.4	0.9	5.52	18.6	2.5	3.6	0.5	< 10	< 0.2
151135	6.22	< 5	10	72	< 3	< 2	9.19	< 2	83.7	44.3	600	7.4	24	4.3	2.1	2.8	7.74	13.8	7.8	4.6	0.8	< 10	< 0.2
151136	7.75	< 5	20	64	< 3	< 2	8.25	< 2	8.8	41.6	260	1.1	46	2.8	1.9	0.7	7.24	14.8	2.5	3.4	0.6	< 10	< 0.2
151137	7.22	< 5	10	45	< 3	< 2	5.30	< 2	12.0	16.2	30	26.5	17	7.5	5.0	1.7	11.8	24.2	6.3	3.2	1.7	< 10	< 0.2
151138	6.95	< 5	40	82	3	< 2	4.69	< 2	41.4	20.4	< 30	19.9	26	14.4	9.4	2.7	8.28	27.7	12.6	4.7	3.3	10	< 0.2
151139	8.45	< 5	30	160	< 3	< 2	4.78	< 2	13.9	29.2	280	103	19	2.2	1.4	1.0	5.50	17.3	2.8	3.4	0.5	< 10	< 0.2
151140	8.05	< 5	50	36	173	< 2	0.16	< 2	14.7	0.3	30	81.1	< 2	< 0.3	< 0.1	0.1	0.64	54.2	0.5	6.0	< 0.2	< 10	< 0.2
151141	7.69	< 5	10	40	< 3	< 2	6.78	< 2	17.0	37.5	150	2.7	34	4.5	2.6	1.8	9.55	19.3	5.0	3.5	1.0	< 10	< 0.2
151142	7.76	< 5	30	67	4	< 2	9.52	< 2	39.4	30.4	140	1.5	< 2	4.2	2.4	1.7	6.76	18.2	5.1	4.6	0.9	< 10	< 0.2
151143	7.96	< 5	430	71	< 3	< 2	6.44	< 2	13.0	45.9	180	15.5	21	5.3	3.6	1.4	11.3	20.7	4.6	3.7	1.2	< 10	< 0.2
151144	7.23	< 5	120	302	6	< 2	8.65	< 2	72.8	47.5	490	54.1	256	4.5	2.6	2.7	9.35	14.9	7.0	4.2	1.0	< 10	< 0.2
151145	5.67	< 5	1770	33	< 3	< 2	8.43	< 2	76.7	50.5	870	6.4	26	4.7	2.0	2.9	7.82	12.5	8.4	4.1	0.9	< 10	< 0.2
151146	8.08	< 5	10	227	< 3	< 2	7.83	< 2	41.5	40.8	270	10.8	42	3.0	1.9	1.4	6.59	17.7	4.1	1.6	0.6	< 10	< 0.2
151147	7.48	< 5	< 10	67	< 3	< 2	5.15	< 2	9.2	43.0	40	4.5	159	5.7	3.9	1.3	12.2	25.9	5.6	< 0.7	1.3	< 10	< 0.2
151148	7.70	< 5	< 10	43	< 3	< 2	6.35	< 2	9.3	59.4	80	6.3	51	4.5	3.0	1.2	12.8	21.7	4.4	1.1	0.9	< 10	< 0.2
151149	7.55	< 5	10	34	< 3	< 2	10.9	< 2	10.7	51.2	150	3.9	111	3.6	2.6	0.9	8.89	20.4	3.5	1.6	0.8	< 10	< 0.2
151150	5.51	< 5	10	353	< 3	< 2	11.0	< 2	120	56.0	970	4.3	6	4.5	2.2	3.7	7.27	13.1	9.5	2.3	0.8	< 10	< 0.2
151151	5.85	< 5	< 10	266	< 3	< 2	11.9	< 2	86.8	52.6	630	0.8	58	3.9	2.0	2.8	6.32	12.7	7.4	2.0	0.7	< 10	< 0.2
151152	6.13	< 5	10	430	70	5	15.6	< 2	79.2	52.8	520	12.6	54	5.1	2.7	3.0	9.46	22.5	9.0	8.9	1.0	< 10	< 0.2
151153	7.88	< 5	20	311	< 3	< 2	6.22	< 2	30.6	57.9	580	147	58	4.3	2.6	1.7	9.48	17.1	5.2	3.2	0.9	< 10	< 0.2
151154	7.32	< 5	160	44	< 3	< 2	6.12	< 2	10.5	36.4	30	1.9	7	7.7	5.7	1.7	11.7	23.5	7.2	1.1	1.7	< 10	< 0.2
151155	6.95	< 5	< 10	89	< 3	< 2	10.8	< 2	34.3	53.8	860	1.9	17	3.7	2.2	1.7	10.7	20.0	4.8	1.1	0.7	< 10	< 0.2
151156	7.22	< 5	1330	380	< 3	< 2	9.21	< 2	100	48.1	430	23.2	65	5.0	2.7	3.0	9.34	13.6	8.5	4.5	1.0	< 10	< 0.2
151157	7.70	< 5	< 10	394	< 3	< 2	4.10	< 2	15.8	41.5	160	25.7	20	3.3	2.1	0.9	7.58	17.6	3.4	< 0.7	0.8	< 10	< 0.2
151158	7.52	< 5	< 10	78	< 3	< 2	10.0	< 2	50.7	56.2	550	2.4	50	4.2	2.3	1.9	9.24	15.1	5.5	< 0.7	0.8	< 10	< 0.2
151159	7.80	< 5	30	10	< 3	< 2	6.25	< 2	10.1	54.3	170	1.9	32	4.2	3.0	1.1	11.5	19.2	3.6	< 0.7	1.0	< 10	< 0.2

Analyte Symbol	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	Fe	Ga	Gd	Ge	Ho	Hf	In
Unit Symbol	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	5	10	3	3	2	0.01	2	0.8	0.2	30	0.1	2	0.3	0.1	0.1	0.05	0.2	0.1	0.7	0.2	10	0.2
Method Code	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
151160	7.53	< 5	< 10	36	< 3	< 2	6.47	< 2	12.9	36.8	160	4.4	39	4.1	2.3	1.4	10.2	19.0	4.4	0.8	0.8	< 10	< 0.2
151161	7.83	< 5	130	132	< 3	< 2	3.66	< 2	9.0	61.8	70	271	44	6.0	4.4	1.2	9.36	22.1	4.5	< 0.7	1.4	< 10	< 0.2
151162	7.53	< 5	120	59	< 3	< 2	5.36	< 2	13.1	36.5	110	8.1	35	6.0	4.0	1.3	10.5	20.6	5.0	1.2	1.3	< 10	< 0.2
151163	6.07	5	20	116	< 3	< 2	1.91	< 2	56.9	6.0	60	26.1	22	17.4	12.8	2.3	5.37	22.9	14.1	1.7	4.1	20	< 0.2
151164	6.86	< 5	< 10	85	< 3	< 2	6.71	< 2	22.3	34.4	30	2.9	136	6.6	4.9	1.3	13.0	19.8	5.7	1.6	1.5	< 10	< 0.2
151165	5.99	< 5	< 10	24	< 3	< 2	1.80	< 2	55.0	7.1	80	0.9	8	17.1	12.8	2.7	6.94	24.8	13.1	2.0	4.1	10	< 0.2
151166	6.08	< 5	10	52	< 3	< 2	2.05	< 2	71.9	8.2	30	5.4	17	17.0	12.5	3.1	6.91	24.5	15.8	2.6	4.1	10	< 0.2
151167	7.53	< 5	< 10	32	< 3	< 2	6.92	< 2	11.2	59.2	140	1.7	45	3.4	2.4	1.0	12.3	19.4	3.3	1.1	0.8	< 10	< 0.2
151168	9.81	8	30	10	372	5	0.16	3	1.7	0.5	50	24.3	5	< 0.3	< 0.1	< 0.1	0.45	64.2	0.1	3.1	< 0.2	10	< 0.2
151169	7.40	< 5	270	27	4	< 2	5.07	< 2	12.6	43.9	110	653	45	5.8	3.9	1.4	12.5	23.9	5.4	0.9	1.3	10	< 0.2
151170	7.64	< 5	2650	72	4	< 2	5.52	2	17.0	55.8	180	91.2	36	6.2	4.1	1.6	12.3	29.4	5.8	1.3	1.3	10	< 0.2
151171	6.83	< 5	50	87	< 3	< 2	5.79	< 2	9.1	43.1	70	24.1	55	6.4	4.3	1.5	11.9	23.7	5.8	1.0	1.5	10	< 0.2
151172	6.86	7	< 10	130	< 3	< 2	6.68	2	8.6	43.8	90	10.8	41	5.1	3.2	1.2	12.4	21.3	4.5	2.5	1.1	< 10	< 0.2
151173	5.80	< 5	< 10	226	< 3	< 2	4.33	< 2	44.5	19.4	30	77.6	172	13.0	7.8	3.3	16.3	16.3	12.4	3.2	2.7	10	< 0.2
151174	7.37	< 5	< 10	11	< 3	< 2	6.57	< 2	6.3	45.6	120	1.0	18	3.3	2.4	0.7	8.74	14.9	2.8	1.4	0.8	< 10	< 0.2
151175	7.90	< 5	< 10	65	< 3	< 2	9.20	2	17.2	56.6	170	2.8	182	10.7	5.5	1.1	9.26	19.9	13.1	2.9	2.0	10	< 0.2
151176	8.69	< 5	< 10	31	< 3	< 2	7.79	< 2	10.6	58.0	130	1.1	35	3.9	2.7	0.9	8.57	14.7	3.2	1.5	0.9	< 10	< 0.2
151177	6.92	< 5	< 10	475	< 3	< 2	5.38	< 2	30.0	34.4	40	279	48	8.4	6.1	1.7	11.0	19.9	7.3	1.8	1.9	< 10	< 0.2
151178	8.01	< 5	3210	121	106	< 2	7.42	4	27.6	54.6	70	14.5	11	7.0	5.2	1.8	14.4	32.1	6.8	5.3	1.6	< 10	< 0.2
151179	6.95	< 5	20	578	< 3	< 2	6.09	< 2	23.1	55.6	100	99.2	81	7.5	5.4	2.0	11.4	22.2	7.6	2.3	1.7	10	< 0.2
151180	6.67	< 5	< 10	44	< 3	< 2	5.77	< 2	17.5	42.2	60	3.6	112	6.5	4.5	1.4	12.3	18.7	5.4	2.5	1.5	< 10	< 0.2
151181	9.65	< 5	190	82	< 3	< 2	8.66	< 2	35.8	51.0	40	4.8	92	8.8	6.9	2.0	14.0	27.5	8.4	3.1	2.2	< 10	< 0.2
151182	7.52	< 5	20	185	< 3	< 2	7.01	< 2	32.9	38.1	50	18.3	92	7.5	5.3	1.7	8.66	21.6	6.6	2.6	1.7	< 10	< 0.2
151183	5.03	< 5	30	35	< 3	< 2	1.66	< 2	11.0	8.2	60	14.3	15	1.6	1.2	0.6	9.06	13.4	1.3	1.0	0.4	10	< 0.2
151184	7.78	< 5	1240	332	< 3	< 2	6.05	< 2	15.8	42.3	90	448	52	6.0	4.3	1.3	12.2	20.5	5.0	2.6	1.4	< 10	< 0.2
151185	7.27	< 5	110	83	< 3	< 2	6.98	< 2	17.7	51.5	90	85.6	31	6.5	4.5	1.5	9.80	20.3	5.5	1.8	1.5	< 10	< 0.2
151186	6.94	25	< 10	85	< 3	< 2	3.36	< 2	28.7	23.1	30	17.0	18	8.3	5.9	2.2	10.2	27.9	7.5	2.6	1.9	< 10	< 0.2
151187	6.82	< 5	10	36	< 3	< 2	6.28	< 2	18.4	39.2	40	3.3	33	9.7	7.1	2.0	12.4	27.0	8.3	1.5	2.3	10	< 0.2
151188	7.98	< 5	< 10	64	< 3	< 2	6.19	< 2	5.3	38.9	150	37.2	32	4.4	2.7	1.3	9.57	22.7	4.4	1.7	0.9	< 10	< 0.2
151189	7.31	< 5	1870	8	125	< 2	0.26	4	1.0	0.5	50	51.6	4	< 0.3	< 0.1	< 0.1	1.07	54.9	0.2	3.2	< 0.2	10	< 0.2
151190	6.77	< 5	20	214	< 3	< 2	5.45	2	13.1	28.0	50	14.0	13	7.8	5.6	1.8	12.6	22.8	6.8	2.9	1.8	10	< 0.2
151191	7.83	< 5	< 10	60	< 3	< 2	6.70	3	11.8	40.7	170	0.5	20	4.6	2.7	1.7	9.52	24.1	5.0	2.1	1.0	20	< 0.2
151192	6.40	< 5	< 10	150	< 3	< 2	2.83	< 2	16.5	15.8	60	41.3	23	15.4	12.0	2.2	6.82	32.6	11.7	1.5	3.8	20	< 0.2
151193	6.78	< 5	10	80	< 3	< 2	6.92	< 2	19.3	54.1	80	2.0	204	6.0	3.9	1.7	12.6	24.8	5.7	1.3	1.3	10	< 0.2
151194	9.22	< 5	1210	86	< 3	< 2	5.65	2	13.9	65.8	170	67.0	12	5.2	4.1	1.1	11.4	27.9	4.1	1.0	1.3	10	< 0.2
151195	7.56	< 5	150	680	19	< 2	1.00	< 2	61.3	3.0	< 30	50.8	< 2	1.7	1.0	0.6	1.77	24.7	2.8	1.9	0.3	10	< 0.2
151196	8.16	< 5	< 10	99	< 3	< 2	8.65	< 2	11.6	54.8	90	3.5	105	3.7	2.8	0.8	9.67	16.1	3.0	1.3	0.8	< 10	< 0.2
151197	6.74	< 5	190	43	< 3	< 2	7.83	< 2	22.7	34.7	290	2.2	50	6.7	4.9	1.3	13.3	18.4	5.7	2.9	1.6	< 10	< 0.2
151198	8.20	< 5	1350	70	< 3	< 2	7.38	< 2	3.0	40.1	630	53.2	10	1.2	0.9	0.3	6.04	11.1	0.9	1.5	0.3	< 10	< 0.2
151199	7.00	< 5	10	65	< 3	< 2	6.62	< 2	13.3	49.8	70	1.7	54	5.7	4.0	1.4	12.6	19.0	5.1	2.2	1.3	< 10	< 0.2
151200	6.92	7	50	98	8	< 2	6.11	3	28.3	43.0	100	1.5	51	6.8	4.7	1.6	13.1	19.9	5.9	4.5	1.6	10	< 0.2

Analyte Symbol	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	Fe	Ga	Gd	Ge	Ho	Hf	In
Unit Symbol	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	5	10	3	3	2	0.01	2	0.8	0.2	30	0.1	2	0.3	0.1	0.1	0.05	0.2	0.1	0.7	0.2	10	0.2
Method Code	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
151201	6.89	< 5	20	58	< 3	< 2	4.98	2	20.3	36.3	50	93.5	64	7.9	5.4	1.8	12.5	23.6	7.1	3.8	1.8	10	< 0.2
151202	7.96	< 5	< 10	1850	3	< 2	5.20	< 2	123	15.5	140	51.9	47	4.3	1.8	4.4	5.01	22.6	11.2	3.2	0.7	10	< 0.2
151203	7.77	< 5	60	27	< 3	< 2	8.13	< 2	12.8	34.8	130	11.8	39	3.6	2.2	1.3	8.77	20.1	4.0	2.3	0.7	< 10	< 0.2
151204	7.20	< 5	1520	183	16	< 2	0.63	< 2	27.0	1.0	60	20.8	4	5.4	3.2	0.3	1.09	27.9	4.4	2.7	1.1	10	< 0.2
151205	7.68	< 5	20	70	< 3	< 2	6.06	< 2	389	34.6	220	1.4	19	5.8	2.1	6.5	5.42	22.3	17.5	6.0	0.9	10	< 0.2
151206	7.67	< 5	30	44	14	3	13.6	< 2	42.3	41.7	370	5.8	18	3.2	2.0	1.4	6.29	22.5	4.7	5.0	0.7	< 10	< 0.2
151207	7.84	< 5	< 10	19	< 3	< 2	7.34	< 2	9.9	46.5	140	1.2	80	4.2	2.6	1.2	11.4	21.0	3.8	3.0	0.9	< 10	< 0.2
151208	5.80	< 5	20	132	< 3	< 2	6.56	< 2	50.7	19.9	50	2.1	166	14.8	9.6	3.6	13.7	32.1	15.6	3.0	3.2	20	< 0.2
151209	8.44	< 5	< 10	73	< 3	< 2	6.79	< 2	8.7	52.0	90	6.8	61	4.3	3.0	1.2	12.4	23.0	3.9	3.2	1.0	< 10	< 0.2
151210	8.12	< 5	20	61	34	< 2	7.78	2	12.5	50.1	240	4.8	128	3.6	2.6	0.9	7.80	25.1	3.2	2.9	0.8	< 10	< 0.2
151211	6.94	< 5	< 10	34	< 3	< 2	6.66	< 2	9.0	48.1	140	1.4	12	4.2	2.9	0.8	8.58	17.6	3.1	2.5	1.0	< 10	< 0.2

Analyte Symbol	K	La	Li	Mg	Mn	Mo	Nb	Nd	Ni	Pb	Pr	Rb	S	Sb	Si	Sm	Sn	Sr	Ta	Tb	Te	Th	Ti
Unit Symbol	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	0.1	0.4	3	0.01	3	1	2.4	0.4	10	0.8	0.1	0.4	0.01	2	0.01	0.1	0.5	3	0.2	0.1	6	0.1	0.01
Method Code	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2
151001	1.6	19.0	679	7.41	1550	< 1	13.2	38.5	340	24.1	8.3	1250	< 0.01	< 2	22.4	8.8	26.4	521	2.5	0.9	< 6	2.8	0.81
151002	0.2	17.2	107	1.10	2240	< 1	16.4	33.2	< 10	7.4	6.1	7.9	0.03	2	26.2	10.4	4.7	197	0.4	2.2	< 6	1.8	0.91
151003	0.1	3.2	124	2.74	1550	< 1	3.1	10.5	50	< 0.8	1.9	2.8	< 0.01	< 2	24.9	3.5	< 0.5	252	< 0.2	0.7	< 6	< 0.1	0.99
151004	0.2	3.7	297	2.78	1760	< 1	3.2	13.0	60	1.0	2.1	29.3	< 0.01	< 2	23.9	3.9	2.5	238	< 0.2	0.8	< 6	< 0.1	0.98
151005	< 0.1	13.4	100	1.12	1290	< 1	21.4	27.3	< 10	1.0	5.6	< 0.4	< 0.01	< 2	> 30.0	8.0	1.0	45	0.9	2.0	< 6	2.8	0.70
151006	0.5	22.9	106	0.80	1080	< 1	19.9	51.9	< 10	< 0.8	10.3	33.9	< 0.01	< 2	29.1	14.9	15.3	64	1.2	3.4	< 6	2.8	0.60
151007	0.2	2.6	224	2.63	1550	< 1	2.7	10.0	70	< 0.8	1.8	4.7	< 0.01	< 2	24.7	3.3	1.2	223	< 0.2	0.7	< 6	< 0.1	1.06
151008	0.4	5.2	201	1.92	2580	< 1	8.9	12.1	30	1.8	2.2	85.9	< 0.01	< 2	24.4	4.2	10.6	134	1.4	1.4	< 6	1.0	0.94
151009	0.3	1.9	466	3.86	1930	< 1	5.2	7.0	60	< 0.8	1.1	102	0.02	< 2	20.9	3.0	2.8	129	< 0.2	0.9	< 6	0.3	1.02
151010	0.1	2.4	147	2.83	1460	< 1	2.9	9.8	50	< 0.8	1.6	3.3	< 0.01	< 2	24.5	3.2	< 0.5	236	< 0.2	0.7	< 6	< 0.1	1.00
151011	1.1	25.1	254	3.17	2150	1	9.3	42.8	160	1.0	9.4	51.2	< 0.01	< 2	23.1	8.5	< 0.5	539	< 0.2	1.0	< 6	2.6	0.88
151012	3.5	4.1	2090	2.65	2470	< 1	14.1	10.5	20	2.1	1.9	3500	< 0.01	< 2	22.2	3.7	101	64	13.6	1.0	< 6	2.8	1.23
151013	0.3	6.4	301	1.98	2350	< 1	8.6	15.5	< 10	< 0.8	2.9	29.2	< 0.01	< 2	25.4	6.0	1.4	67	< 0.2	1.4	< 6	0.8	1.00
151014	0.2	10.4	85	3.69	1410	< 1	5.8	16.5	250	2.5	3.8	16.0	< 0.01	< 2	24.6	2.9	< 0.5	319	0.5	0.5	< 6	1.0	0.53
151015	0.3	4.0	220	2.14	2050	< 1	5.7	10.4	20	< 0.8	1.9	15.7	< 0.01	< 2	22.8	3.7	4.3	176	< 0.2	1.0	< 6	0.7	1.10
151016	5.9	8.8	43	0.03	90	< 1	23.9	6.8	< 10	20.0	1.9	1370	< 0.01	< 2	> 30.0	0.9	10.4	73	18.7	< 0.1	< 6	7.1	0.02
151017	< 0.1	10.8	170	1.21	1390	< 1	18.1	26.1	< 10	1.1	4.6	3.9	< 0.01	< 2	29.3	9.1	0.9	142	0.6	2.3	< 6	2.5	0.69
151018	0.5	9.0	311	2.22	2360	< 1	7.2	16.7	< 10	1.3	3.2	41.6	< 0.01	< 2	24.7	5.3	1.0	179	< 0.2	1.5	< 6	0.8	1.12
151019	0.4	6.4	338	2.06	2550	< 1	8.4	17.3	< 10	1.5	2.9	123	< 0.01	< 2	24.3	5.8	2.4	156	0.4	1.5	< 6	0.9	1.11
151020	0.1	4.8	359	3.77	1850	< 1	5.8	11.0	20	< 0.8	1.9	8.0	< 0.01	< 2	23.6	3.8	< 0.5	91	< 0.2	1.0	< 6	0.6	1.16
151021	1.4	13.4	477	4.91	945	< 1	5.6	23.6	140	2.8	5.0	265	< 0.01	< 2	24.5	5.1	6.0	214	0.3	0.6	< 6	1.5	0.50
151022	0.3	14.1	218	4.00	2070	< 1	6.1	26.4	170	1.8	5.4	11.8	< 0.01	< 2	22.1	5.9	< 0.5	462	< 0.2	0.8	< 6	0.8	0.81
151023	0.2	28.2	267	6.71	1360	< 1	8.6	51.3	320	2.3	11.2	5.5	< 0.01	< 2	23.1	9.1	< 0.5	678	< 0.2	0.8	< 6	1.6	0.73
151024	0.5	15.3	997	7.48	1260	< 1	9.7	38.1	330	2.6	7.1	511	0.03	< 2	22.3	8.2	6.2	1120	0.9	0.7	< 6	1.0	0.67
151025	1.1	5.8	430	4.56	1100	< 1	5.7	8.8	170	0.8	2.1	344	0.02	< 2	24.9	2.5	< 0.5	171	< 0.2	0.5	< 6	1.0	0.61
151026	0.2	5.8	123	3.53	2080	2	7.2	12.3	40	2.7	2.3	10.1	< 0.01	< 2	22.8	4.2	< 0.5	263	< 0.2	1.1	< 6	0.8	1.18
151027	0.2	15.0	42	0.90	3220	2	10.8	32.0	< 10	3.2	6.0	13.4	0.03	< 2	24.9	10.2	0.8	144	1.0	2.1	< 6	1.2	0.86
151028	0.1	3.7	57	2.48	1980	< 1	3.7	6.9	70	< 0.8	1.3	12.2	0.06	< 2	24.3	2.2	< 0.5	109	0.9	0.6	< 6	0.2	0.56
151029	0.1	2.2	65	4.36	1850	< 1	4.3	6.2	60	2.4	1.1	7.0	< 0.01	< 2	23.8	2.1	< 0.5	62	< 0.2	0.6	< 6	0.3	0.63
151030	0.3	1.6	99	4.59	1640	< 1	4.6	6.2	110	1.4	1.0	17.0	< 0.01	< 2	22.6	2.3	< 0.5	115	< 0.2	0.6	< 6	0.4	0.67
151031	0.3	4.5	238	2.61	2410	2	5.7	8.5	30	1.0	1.6	40.2	0.03	< 2	24.1	2.5	< 0.5	85	2.0	0.8	< 6	0.6	0.69
151032	0.2	2.3	173	4.22	1750	< 1	4.8	7.0	100	1.0	1.1	8.2	< 0.01	< 2	21.9	2.6	< 0.5	182	< 0.2	0.7	< 6	0.3	0.84
151033	0.4	5.4	129	2.54	2230	< 1	7.3	11.9	20	4.6	2.1	78.5	0.01	< 2	22.5	4.0	< 0.5	229	< 0.2	1.1	< 6	0.8	1.19
151034	0.6	3.5	57	3.03	1240	< 1	4.2	11.7	70	2.6	1.9	111	0.02	< 2	25.8	3.5	0.6	107	< 0.2	0.8	< 6	0.1	0.96
151035	0.1	10.1	48	1.94	888	< 1	8.1	12.2	30	2.8	2.9	14.0	0.07	< 2	27.2	2.5	1.0	96	< 0.2	0.5	< 6	2.9	0.62
151036	0.3	4.0	96	2.96	1620	< 1	4.5	13.3	80	3.0	2.3	48.9	0.05	< 2	24.3	3.7	0.5	232	2.3	0.8	< 6	0.5	1.08
151037	0.4	18.2	105	0.51	999	1	25.2	31.3	< 10	2.6	6.4	44.6	< 0.01	< 2	> 30.0	9.0	2.7	258	2.1	2.7	< 6	3.1	0.39
151038	0.2	13.4	67	1.10	1120	< 1	18.6	24.1	< 10	1.5	4.6	15.9	< 0.01	< 2	28.9	7.8	1.6	71	0.7	2.4	< 6	1.8	0.83
151039	0.9	7.1	189	1.76	1750	1	12.1	13.7	< 10	1.5	2.7	63.3	< 0.01	< 2	26.2	4.3	0.7	76	1.0	1.5	< 6	1.3	1.10
151040	0.3	5.0	26	3.00	1600	< 1	4.0	7.9	60	3.9	1.6	4.2	< 0.01	< 2	22.4	2.1	< 0.5	217	< 0.2	0.6	< 6	0.5	0.56
151041	0.7	32.6	51	5.04	1400	< 1	7.2	38.5	60	1.3	9.4	34.6	0.05	< 2	22.2	7.3	< 0.5	700	< 0.2	0.8	< 6	3.2	0.56

Analyte Symbol	K	La	Li	Mg	Mn	Mo	Nb	Nd	Ni	Pb	Pr	Rb	S	Sb	Si	Sm	Sn	Sr	Ta	Tb	Te	Th	Ti
Unit Symbol	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	0.1	0.4	3	0.01	3	1	2.4	0.4	10	0.8	0.1	0.4	0.01	2	0.01	0.1	0.5	3	0.2	0.1	6	0.1	0.01
Method Code	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2
151042	0.3	7.6	168	2.60	2000	< 1	6.6	15.0	20	1.4	2.9	48.3	< 0.01	< 2	23.3	4.2	< 0.5	423	< 0.2	1.0	< 6	0.9	1.06
151043	0.2	5.2	184	3.15	1810	< 1	6.3	11.1	10	2.6	2.1	5.1	0.06	< 2	22.9	3.5	< 0.5	259	< 0.2	0.9	< 6	0.6	1.07
151044	0.3	3.9	487	3.99	1860	< 1	4.9	7.9	70	1.0	1.4	179	< 0.01	< 2	22.3	2.7	< 0.5	128	0.2	0.7	< 6	0.5	0.87
151045	0.2	2.7	281	4.02	2550	< 1	< 2.4	6.7	50	< 0.8	1.3	18.2	0.02	< 2	24.0	2.0	< 0.5	91	< 0.2	0.6	< 6	< 0.1	0.55
151046	0.4	3.8	483	3.09	1830	< 1	6.3	11.1	10	2.0	1.9	22.2	< 0.01	< 2	22.8	4.3	< 0.5	196	< 0.2	1.1	< 6	0.5	1.33
151047	1.0	73.1	399	4.91	799	< 1	7.6	101	220	12.5	23.0	284	< 0.01	< 2	25.9	19.4	1.1	1180	< 0.2	1.3	< 6	24.9	0.40
151048	0.2	7.9	212	2.31	2320	1	7.2	14.5	< 10	5.4	2.9	26.1	< 0.01	< 2	26.2	4.6	6.8	81	< 0.2	1.3	< 6	1.2	0.98
151049	0.2	16.1	69	0.05	251	< 1	16.8	12.0	< 10	10.9	2.9	53.4	< 0.01	< 2	> 30.0	2.1	2.5	90	15.2	0.3	< 6	8.3	0.02
151050	0.3	8.0	427	2.09	2060	< 1	9.4	18.1	< 10	2.1	3.2	11.9	< 0.01	< 2	23.5	5.9	1.1	99	< 0.2	1.4	< 6	1.2	1.05
151051	0.1	4.5	55	3.36	1970	< 1	2.9	8.2	100	< 0.8	1.6	4.4	< 0.01	< 2	23.2	2.3	< 0.5	92	< 0.2	0.6	< 6	0.1	0.57
151052	0.3	3.3	117	4.58	1350	< 1	< 2.4	7.4	90	< 0.8	1.4	54.0	< 0.01	< 2	22.9	2.1	< 0.5	243	< 0.2	0.6	< 6	< 0.1	0.51
151053	0.4	2.6	68	5.21	1490	< 1	< 2.4	6.1	130	< 0.8	1.1	30.7	< 0.01	< 2	22.3	1.7	< 0.5	115	< 0.2	0.5	< 6	< 0.1	0.44
151054	0.2	3.9	116	4.32	1510	< 1	2.8	7.5	130	< 0.8	1.5	16.6	< 0.01	< 2	24.0	2.1	5.6	116	< 0.2	0.5	< 6	0.3	0.46
151055	0.3	6.0	403	2.93	1860	< 1	6.0	10.8	30	22.9	2.0	11.2	< 0.01	< 2	23.1	3.9	< 0.5	137	< 0.2	1.0	< 6	0.6	1.03
151056	0.2	4.7	335	4.14	1810	< 1	3.0	9.3	60	< 0.8	1.8	34.2	0.04	452	23.2	2.4	< 0.5	82	< 0.2	0.6	< 6	0.4	0.57
151057	0.2	2.8	195	4.27	1990	< 1	2.8	7.0	< 10	21.3	1.4	6.2	0.08	< 2	22.9	2.2	1.3	40	< 0.2	0.7	< 6	0.1	0.57
151058	0.4	2.1	450	2.93	2100	< 1	5.0	7.2	< 10	1.6	1.2	121	0.02	< 2	23.8	2.4	5.3	98	< 0.2	0.8	< 6	0.4	0.70
151059	0.2	6.3	283	1.52	1950	2	11.2	16.8	< 10	3.6	3.0	11.3	< 0.01	< 2	27.2	7.0	4.6	155	0.2	1.9	< 6	1.5	0.99
151060	0.3	8.5	107	1.63	3490	< 1	7.3	15.5	< 10	14.0	3.1	25.6	0.13	< 2	23.6	5.3	3.2	146	< 0.2	1.4	< 6	0.9	1.13
151061	1.0	4.3	545	4.32	1600	< 1	4.0	10.3	70	< 0.8	1.9	181	< 0.01	< 2	23.1	3.3	< 0.5	102	< 0.2	0.8	< 6	0.5	0.94
151062	0.4	4.6	158	2.61	2340	< 1	3.7	10.6	10	< 0.8	2.0	87.2	0.11	< 2	23.9	3.2	< 0.5	70	< 0.2	0.9	< 6	0.4	0.81
151063	0.6	4.8	201	3.71	1720	< 1	2.8	9.4	60	< 0.8	1.8	160	0.13	< 2	20.8	2.7	< 0.5	140	< 0.2	0.7	< 6	0.2	0.59
151064	0.8	13.4	328	2.84	1790	< 1	6.5	22.2	30	< 0.8	4.6	258	0.04	< 2	23.4	6.0	3.6	134	< 0.2	1.3	< 6	0.8	1.04
151101	0.3	23.0	230	6.63	1760	< 1	5.8	46.1	250	15.2	9.7	13.4	0.02	20	21.6	8.5	< 0.5	611	< 0.2	0.9	< 6	1.2	0.73
151102	0.5	18.4	455	5.65	1720	4	7.1	36.3	230	1.6	7.6	308	0.09	< 2	21.8	7.2	< 0.5	1160	< 0.2	0.9	< 6	1.0	0.80
151103	< 0.1	0.8	20	0.09	61	< 1	36.4	1.3	< 10	1.4	0.3	6.7	< 0.01	< 2	> 30.0	< 0.1	6.4	322	35.0	< 0.1	< 6	1.5	0.01
151104	0.6	27.6	193	3.38	1980	1	10.3	49.2	130	4.7	11.1	27.8	< 0.01	< 2	23.9	10.4	< 0.5	693	< 0.2	1.1	< 6	3.4	0.98
151105	0.1	2.5	222	3.07	1390	1	3.3	10.6	40	< 0.8	1.8	7.7	< 0.01	< 2	25.1	3.6	0.5	226	< 0.2	0.8	< 6	< 0.1	1.04
151106	0.1	5.7	732	2.48	2270	5	8.6	11.3	< 10	1.2	2.1	3.9	0.03	< 2	25.1	4.5	0.9	172	< 0.2	1.5	< 6	0.9	1.28
151107	0.9	< 0.4	7180	0.02	372	2	44.9	0.5	< 10	7.6	< 0.1	1070	< 0.01	< 2	> 30.0	< 0.1	128	18	70.2	< 0.1	< 6	0.8	0.01
151108	< 0.1	3.7	424	3.30	1360	< 1	3.1	11.1	30	< 0.8	2.0	20.3	0.02	< 2	24.7	3.6	3.4	194	< 0.2	0.7	< 6	< 0.1	0.97
151109	0.3	9.8	219	0.94	1310	2	17.1	22.2	< 10	1.0	4.1	40.5	< 0.01	< 2	28.9	8.3	1.0	235	0.6	2.5	< 6	1.8	0.84
151110	0.4	2.2	245	3.03	1930	< 1	7.7	8.2	30	0.9	1.3	84.3	0.02	< 2	22.8	3.6	< 0.5	216	< 0.2	1.1	< 6	0.5	1.55
151111	0.3	6.2	158	0.91	916	< 1	22.0	15.2	< 10	1.4	2.8	31.0	< 0.01	< 2	> 30.0	7.1	2.5	72	1.1	2.8	< 6	2.5	0.58
151112	0.5	11.1	175	2.15	2880	1	9.1	21.8	20	< 0.8	4.3	60.9	< 0.01	< 2	22.0	6.4	0.9	123	< 0.2	1.6	< 6	0.9	1.36
151113	0.4	13.4	206	1.03	3400	< 1	9.4	24.7	< 10	< 0.8	5.1	70.7	0.05	< 2	> 30.0	7.1	0.6	263	< 0.2	1.5	< 6	1.3	0.70
151114	0.6	11.1	502	3.72	1740	< 1	9.6	21.6	20	< 0.8	4.4	335	< 0.01	< 2	25.8	6.4	< 0.5	144	< 0.2	1.5	< 6	1.0	1.44
151115	0.5	22.7	166	0.30	392	< 1	28.1	43.9	< 10	< 0.8	9.3	128	< 0.01	< 2	> 30.0	12.6	2.4	105	1.4	3.0	< 6	3.8	0.34
151116	1.7	4.4	103	0.15	257	< 1	69.9	9.6	< 10	5.5	1.9	533	< 0.01	< 2	> 30.0	3.5	7.3	57	153	1.3	< 6	2.6	0.16
151117	0.2	15.1	219	2.67	2580	4	13.4	26.5	10	2.4	5.5	18.5	0.02	< 2	24.6	7.7	4.7	174	0.5	1.8	< 6	1.7	1.16
151118	0.4	15.3	124	2.17	3270	< 1	9.9	25.1	30	2.4	5.2	59.1	0.05	< 2	23.6	6.9	6.3	282	< 0.2	1.5	< 6	1.1	1.16

Analyte Symbol	K	La	Li	Mg	Mn	Mo	Nb	Nd	Ni	Pb	Pr	Rb	S	Sb	Si	Sm	Sn	Sr	Ta	Tb	Te	Th	Ti
Unit Symbol	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	0.1	0.4	3	0.01	3	1	2.4	0.4	10	0.8	0.1	0.4	0.01	2	0.01	0.1	0.5	3	0.2	0.1	6	0.1	0.01
Method Code	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2
151119	0.2	10.7	64	2.09	2050	< 1	9.1	18.5	30	1.0	3.8	5.3	0.09	< 2	25.6	5.1	2.3	195	< 0.2	1.1	< 6	0.8	1.01
151120	0.3	3.8	379	3.48	1380	< 1	6.0	9.9	30	< 0.8	1.7	45.6	< 0.01	< 2	24.7	4.0	< 0.5	201	< 0.2	1.2	< 6	0.5	1.04
151121	0.1	14.1	259	1.53	908	< 1	11.7	23.5	110	1.3	5.4	9.8	0.01	< 2	28.2	5.4	< 0.5	159	< 0.2	0.8	< 6	1.1	0.91
151122	0.4	12.9	519	9.70	1310	< 1	8.8	29.4	360	2.4	5.9	108	< 0.01	< 2	22.8	8.1	< 0.5	331	< 0.2	1.0	< 6	1.8	0.71
151123	0.3	4.2	78	2.34	2040	< 1	5.5	12.1	< 10	< 0.8	2.1	10.0	< 0.01	< 2	21.9	4.9	< 0.5	141	< 0.2	1.3	< 6	0.8	1.27
151124	0.2	2.6	250	3.61	1520	< 1	5.5	9.2	40	< 0.8	1.5	3.7	< 0.01	< 2	23.8	3.9	< 0.5	157	< 0.2	1.1	< 6	0.5	0.96
151125	1.5	61.8	115	2.32	801	< 1	8.4	68.8	40	16.9	17.4	79.2	0.04	< 2	26.2	11.5	< 0.5	1820	< 0.2	0.8	< 6	16.5	0.44
151126	0.1	4.7	48	2.18	2110	< 1	2.9	8.9	80	1.0	1.8	4.1	0.02	< 2	22.5	2.5	< 0.5	136	< 0.2	0.6	< 6	0.2	0.56
151127	< 0.1	4.3	230	3.69	1730	< 1	3.0	8.2	70	1.0	1.7	5.2	< 0.01	< 2	23.3	2.3	< 0.5	62	< 0.2	0.7	< 6	0.1	0.57
151128	0.2	2.0	35	4.37	1560	< 1	< 2.4	5.2	60	< 0.8	0.9	3.7	0.04	< 2	23.4	1.7	< 0.5	156	< 0.2	0.6	< 6	< 0.1	0.42
151129	0.4	4.9	74	2.74	1750	< 1	6.6	11.0	< 10	1.5	2.0	25.0	0.05	< 2	22.7	4.1	< 0.5	180	< 0.2	1.2	< 6	0.7	1.33
151130	1.5	44.7	48	1.63	678	2	5.8	18.2	30	9.3	4.4	95.7	< 0.01	< 2	> 30.0	2.6	1.1	245	< 0.2	0.4	< 6	6.7	0.31
151131	0.2	14.9	35	1.00	2900	< 1	10.2	33.7	< 10	< 0.8	6.3	3.7	0.08	< 2	25.6	10.6	0.7	99	< 0.2	2.3	< 6	1.2	0.86
151132	0.4	2.2	81	2.76	1910	< 1	5.1	8.1	20	0.8	1.2	20.0	< 0.01	< 2	21.7	3.7	< 0.5	190	< 0.2	1.1	< 6	1.7	1.25
151133	0.2	3.1	106	2.39	2080	< 1	6.1	9.4	< 10	< 0.8	1.6	8.0	0.07	< 2	23.0	3.9	< 0.5	129	0.2	1.2	< 6	0.9	1.00
151134	0.9	3.2	409	3.63	888	< 1	3.9	6.3	120	1.5	1.2	314	0.05	< 2	26.6	2.1	< 0.5	307	< 0.2	0.4	< 6	0.8	0.45
151135	0.3	29.8	786	6.97	1450	< 1	8.6	56.8	280	1.3	12.6	48.0	0.04	< 2	23.0	10.2	< 0.5	594	< 0.2	1.0	< 6	1.8	0.71
151136	0.1	3.8	33	4.58	1950	< 1	< 2.4	6.3	50	4.1	1.3	1.0	< 0.01	< 2	25.7	1.7	< 0.5	140	< 0.2	0.4	< 6	0.6	0.41
151137	0.2	5.0	120	2.62	1980	< 1	7.9	11.1	< 10	1.6	1.8	63.4	0.09	< 2	23.8	4.5	< 0.5	245	< 0.2	1.3	< 6	0.9	1.07
151138	0.3	14.1	195	1.61	1090	< 1	14.4	31.2	< 10	< 0.8	6.2	44.9	< 0.01	< 2	28.2	10.1	1.8	109	0.5	2.5	< 6	2.0	0.75
151139	0.6	5.5	4240	3.42	878	< 1	3.7	9.0	120	1.9	1.9	412	< 0.01	< 2	28.1	2.4	< 0.5	292	< 0.2	0.5	< 6	0.8	0.45
151140	2.9	11.4	4540	0.04	387	< 1	81.2	12.3	< 10	2.0	1.2	3680	< 0.01	< 2	> 30.0	1.1	87.1	37	55.3	< 0.1	< 6	5.2	< 0.01
151141	0.2	5.0	57	3.10	1580	2	4.6	15.6	80	9.5	3.0	24.7	0.02	< 2	24.8	4.7	< 0.5	309	< 0.2	0.9	< 6	< 0.1	1.06
151142	0.1	15.4	106	1.94	1890	1	12.1	25.3	70	4.5	5.4	7.2	< 0.01	< 2	24.9	5.4	< 0.5	359	< 0.2	0.8	< 6	1.1	0.90
151143	0.3	4.9	371	3.80	1660	< 1	4.5	10.9	70	9.3	2.1	18.8	0.04	< 2	22.6	3.6	< 0.5	259	< 0.2	0.9	< 6	0.3	1.00
151144	0.3	26.0	608	4.31	1530	1	7.5	50.1	230	2.7	11.0	192	0.57	< 2	23.0	9.5	0.7	654	< 0.2	1.0	< 6	1.5	0.72
151145	0.1	25.9	366	9.65	1250	< 1	10.2	51.3	400	4.2	11.2	8.9	0.01	22	21.5	10.1	< 0.5	681	< 0.2	1.0	< 6	1.6	0.77
151146	0.4	17.1	181	3.57	1310	< 1	7.5	24.9	130	2.8	5.7	65.7	< 0.01	< 2	24.0	4.5	< 0.5	343	< 0.2	0.6	< 6	1.7	0.57
151147	0.2	3.2	159	2.77	1820	< 1	6.9	9.0	20	3.8	1.5	24.7	0.45	< 2	23.5	3.4	< 0.5	221	< 0.2	1.0	< 6	0.7	1.23
151148	0.2	3.6	131	3.99	2090	4	5.4	8.4	70	2.8	1.4	4.2	< 0.01	< 2	22.8	2.9	< 0.5	133	< 0.2	0.7	< 6	0.5	0.90
151149	0.1	4.4	54	3.35	1880	1	4.8	7.8	60	2.5	1.5	7.0	0.02	< 2	23.4	2.2	< 0.5	95	< 0.2	0.6	< 6	0.3	0.56
151150	0.4	44.6	150	7.71	1380	< 1	10.9	79.3	360	6.0	17.4	85.0	< 0.01	< 2	22.5	13.2	< 0.5	984	< 0.2	1.1	< 6	2.2	0.77
151151	0.4	32.8	50	4.42	1440	< 1	9.8	57.1	290	4.7	12.6	7.1	0.07	< 2	21.7	9.8	< 0.5	998	< 0.2	0.9	< 6	1.9	0.68
151152	0.2	27.9	263	4.09	2230	< 1	18.1	55.9	160	2.4	12.1	87.3	0.04	< 2	21.0	10.6	57.2	713	6.3	1.1	< 6	1.4	0.76
151153	1.2	10.1	599	5.59	1510	< 1	6.0	20.9	210	0.8	4.4	89.8	< 0.01	< 2	22.4	4.9	< 0.5	290	< 0.2	0.8	< 6	0.9	0.82
151154	0.2	3.7	67	2.96	1840	1	9.6	10.6	20	1.1	1.7	3.5	0.02	< 2	24.8	4.2	< 0.5	139	< 0.2	1.3	< 6	1.0	1.25
151155	0.3	13.8	25	3.92	1820	< 1	8.7	21.2	290	1.6	4.6	49.5	0.01	< 2	21.0	4.4	< 0.5	411	< 0.2	0.7	< 6	0.7	0.90
151156	0.6	41.4	317	6.29	1820	< 1	7.4	66.4	150	< 0.8	13.1	196	0.14	< 2	20.9	11.6	< 0.5	592	< 0.2	1.0	< 6	2.1	0.75
151157	1.3	5.3	393	4.59	1140	< 1	6.1	9.8	180	< 0.8	2.1	346	< 0.01	< 2	25.1	2.7	1.3	217	0.2	0.6	< 6	1.1	0.69
151158	0.4	18.3	164	4.85	1510	< 1	5.4	35.7	330	< 0.8	7.8	35.0	0.06	< 2	22.6	6.6	0.7	547	< 0.2	0.8	< 6	1.0	0.76
151159	0.2	3.4	106	4.53	1580	< 1	4.4	9.4	110	< 0.8	1.7	4.4	0.09	< 2	22.3	2.8	0.9	157	< 0.2	0.7	< 6	0.3	0.81

Analyte Symbol	K	La	Li	Mg	Mn	Mo	Nb	Nd	Ni	Pb	Pr	Rb	S	Sb	Si	Sm	Sn	Sr	Ta	Tb	Te	Th	Ti
Unit Symbol	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	0.1	0.4	3	0.01	3	1	2.4	0.4	10	0.8	0.1	0.4	0.01	2	0.01	0.1	0.5	3	0.2	0.1	6	0.1	0.01
Method Code	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2
151160	0.2	3.8	86	3.27	1570	< 1	3.9	13.4	80	< 0.8	2.5	15.9	0.02	< 2	24.3	3.6	0.8	219	< 0.2	0.7	< 6	< 0.1	1.11
151161	0.6	3.0	883	2.92	1380	< 1	9.2	7.4	70	< 0.8	1.4	152	0.01	< 2	25.6	2.7	1.0	174	0.4	0.9	< 6	0.8	1.18
151162	0.2	4.7	126	3.42	1480	< 1	5.7	11.5	50	< 0.8	2.2	18.0	< 0.01	< 2	24.8	3.6	0.5	164	< 0.2	0.9	< 6	0.6	0.97
151163	0.6	21.1	212	1.50	886	1	21.0	42.9	< 10	1.7	9.2	57.8	0.26	< 2	> 30.0	11.6	5.7	58	1.4	2.6	< 6	3.2	0.45
151164	0.3	8.4	177	3.24	2690	1	9.3	16.2	40	1.6	3.4	36.9	0.27	< 2	23.2	4.1	4.0	125	0.5	1.0	< 6	1.0	1.02
151165	0.1	20.5	43	0.52	983	7	20.6	36.5	10	< 0.8	7.7	1.8	< 0.01	< 2	> 30.0	10.2	2.8	97	1.4	2.8	< 6	2.4	0.51
151166	0.1	26.8	86	0.82	971	< 1	18.7	48.1	< 10	3.4	10.5	7.3	0.02	< 2	> 30.0	12.9	1.4	91	1.1	2.8	< 6	2.7	0.58
151167	0.1	4.7	375	4.18	1670	< 1	3.4	8.7	110	< 0.8	1.7	4.5	< 0.01	< 2	22.2	2.4	0.8	161	< 0.2	0.6	< 6	0.3	0.84
151168	2.3	0.9	60	0.02	208	< 1	89.2	0.7	20	11.8	0.2	469	< 0.01	< 2	> 30.0	< 0.1	45.4	21	131	< 0.1	< 6	1.4	< 0.01
151169	1.3	4.3	836	3.57	1710	2	6.9	13.0	50	3.3	2.1	929	0.01	< 2	22.5	3.9	3.7	195	0.4	1.0	< 6	1.1	1.13
151170	0.3	6.2	507	4.17	2180	2	6.1	15.2	90	1.0	2.9	49.6	0.02	< 2	21.7	4.4	8.3	126	0.3	1.1	< 6	0.6	0.99
151171	0.4	2.8	318	2.84	1970	3	6.8	11.3	40	< 0.8	1.8	79.9	< 0.01	< 2	23.6	3.8	1.6	126	0.3	1.1	< 6	0.6	1.16
151172	0.3	2.6	328	3.26	1690	1	4.8	10.0	50	3.2	1.7	19.8	0.01	< 2	22.8	3.3	4.5	196	< 0.2	0.8	< 6	0.6	1.12
151173	0.8	16.4	407	1.40	3520	1	10.5	36.7	10	3.4	7.1	92.9	0.59	< 2	22.9	10.8	4.0	72	0.5	2.2	< 6	1.3	0.92
151174	0.2	2.4	105	3.70	1590	< 1	2.8	6.4	60	2.5	1.1	1.8	< 0.01	< 2	25.2	1.7	0.9	85	< 0.2	0.5	< 6	0.2	0.50
151175	0.5	37.6	131	3.25	1990	1	4.1	69.7	100	2.4	7.7	10.0	0.12	< 2	22.6	17.2	1.3	274	< 0.2	1.4	< 6	0.9	0.59
151176	0.2	4.0	51	1.93	2320	< 1	3.3	8.6	110	0.9	1.7	3.6	< 0.01	< 2	25.4	2.3	0.9	75	< 0.2	0.6	< 6	0.1	0.64
151177	0.7	12.3	343	2.39	1640	1	11.0	20.3	30	0.9	4.5	190	0.01	< 2	24.2	5.2	2.1	184	0.5	1.3	< 6	1.4	1.00
151178	0.7	10.6	284	2.53	3370	< 1	20.4	20.4	60	1.5	4.4	56.8	0.06	< 2	19.8	5.1	231	148	18.5	1.2	< 6	1.1	1.30
151179	0.5	7.9	1350	2.93	2460	2	11.6	17.0	60	1.1	3.4	195	0.01	< 2	24.4	5.2	3.9	141	1.0	1.4	< 6	1.2	1.05
151180	0.2	5.9	468	3.14	1570	1	8.8	13.3	40	< 0.8	2.7	6.9	0.10	< 2	24.0	4.0	1.3	168	0.4	1.1	< 6	0.9	1.11
151181	0.2	13.8	241	4.15	3470	5	12.5	24.5	50	1.1	5.6	7.2	< 0.01	< 2	> 30.0	6.5	1.6	259	0.6	1.5	< 6	1.5	1.40
151182	0.5	12.7	202	1.92	1440	3	10.8	22.8	40	< 0.8	4.8	25.6	0.02	< 2	25.7	5.5	4.2	123	0.5	1.2	< 6	1.3	1.16
151183	< 0.1	5.0	1230	2.05	1130	3	7.2	5.6	30	2.1	1.4	16.8	< 0.01	< 2	> 30.0	1.0	1.6	140	0.4	0.3	< 6	2.2	0.19
151184	0.7	7.1	452	3.27	2800	< 1	8.0	10.1	50	< 0.8	2.2	305	0.07	< 2	21.2	3.3	1.5	112	0.3	1.0	< 6	0.9	1.09
151185	0.3	5.9	226	2.68	2240	< 1	8.6	13.5	60	< 0.8	2.8	129	< 0.01	< 2	23.6	4.1	1.6	153	0.3	1.1	< 6	0.8	1.08
151186	0.5	11.1	91	2.02	1610	< 1	8.3	21.8	20	1.9	4.5	22.9	0.03	< 2	26.0	6.0	5.0	66	0.3	1.4	< 6	1.1	1.04
151187	0.3	7.3	349	2.53	2110	2	9.2	16.3	30	< 0.8	3.0	9.6	0.06	< 2	23.6	5.5	1.4	181	0.4	1.6	< 6	1.0	1.44
151188	0.4	1.5	373	2.80	1670	< 1	5.8	8.2	70	< 0.8	1.2	76.2	< 0.01	< 2	24.3	3.2	4.8	251	1.9	0.8	< 6	< 0.1	0.95
151189	1.5	0.4	67	0.03	421	< 1	58.9	0.7	10	3.1	0.1	811	< 0.01	< 2	> 30.0	< 0.1	173	34	29.4	< 0.1	< 6	0.9	0.02
151190	0.5	4.8	103	2.02	1720	2	8.0	13.3	10	< 0.8	2.4	22.6	< 0.01	< 2	24.6	4.6	2.5	119	0.4	1.3	< 6	0.7	1.24
151191	0.2	2.8	65	2.68	1660	< 1	4.3	15.2	70	3.3	2.5	5.8	< 0.01	< 2	24.8	4.6	2.0	291	< 0.2	0.8	< 6	< 0.1	1.00
151192	0.6	4.7	417	1.62	905	< 1	19.9	15.1	20	1.8	2.5	61.9	< 0.01	< 2	29.7	7.0	2.7	222	1.4	2.6	< 6	2.6	0.77
151193	0.5	6.6	108	3.48	2030	< 1	5.5	14.9	50	< 0.8	2.9	52.3	0.01	< 2	22.5	4.0	1.6	141	< 0.2	1.0	< 6	0.6	1.10
151194	0.4	7.1	602	4.63	2540	< 1	4.3	12.2	80	1.2	2.4	82.6	< 0.01	< 2	20.4	3.0	1.0	155	< 0.2	0.8	< 6	2.0	0.64
151195	3.3	27.8	316	0.29	432	< 1	26.3	21.2	< 10	22.3	5.9	528	< 0.01	< 2	> 30.0	3.5	27.7	133	10.5	0.4	< 6	33.2	0.13
151196	0.2	4.7	48	4.21	1490	< 1	3.2	8.8	120	1.9	1.8	5.7	< 0.01	< 2	21.8	2.1	0.9	239	< 0.2	0.6	< 6	0.4	0.52
151197	0.4	10.5	187	2.84	3110	3	8.7	15.9	50	1.3	3.3	14.3	0.04	< 2	22.8	4.0	5.5	172	0.4	1.1	< 6	1.1	0.94
151198	0.8	1.2	351	6.46	1180	< 1	< 2.4	2.5	110	< 0.8	0.5	82.3	< 0.01	< 2	23.1	0.5	1.4	127	< 0.2	0.2	< 6	< 0.1	0.20
151199	0.2	5.0	106	3.30	1640	< 1	7.9	13.1	60	< 0.8	2.3	6.9	0.02	< 2	22.7	3.9	0.7	193	0.2	1.0	< 6	0.6	1.06
151200	0.4	11.5	99	2.52	3250	2	8.7	20.7	60	21.7	4.3	42.9	0.14	< 2	23.4	4.7	31.5	124	0.3	1.0	< 6	1.0	1.11

Analyte Symbol	K	La	Li	Mg	Mn	Mo	Nb	Nd	Ni	Pb	Pr	Rb	S	Sb	Si	Sm	Sn	Sr	Ta	Tb	Te	Th	Ti
Unit Symbol	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	0.1	0.4	3	0.01	3	1	2.4	0.4	10	0.8	0.1	0.4	0.01	2	0.01	0.1	0.5	3	0.2	0.1	6	0.1	0.01
Method Code	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2
151201	1.2	7.8	318	3.63	1590	2	7.9	17.5	30	3.0	3.4	129	0.05	< 2	23.3	4.9	2.9	247	0.4	1.3	< 6	0.8	1.28
151202	1.2	45.4	210	3.34	841	< 1	8.2	90.5	50	40.2	20.5	99.4	0.38	< 2	24.7	15.7	1.6	2810	< 0.2	1.1	< 6	26.4	0.45
151203	0.5	3.9	167	2.30	1600	< 1	3.9	13.0	70	2.0	2.4	74.3	< 0.01	< 2	24.6	3.4	2.4	246	< 0.2	0.7	< 6	0.3	0.90
151204	4.1	10.4	32	0.09	343	1	32.2	11.9	10	26.9	3.1	734	< 0.01	< 2	> 30.0	3.4	6.5	85	11.6	1.0	< 6	23.5	0.03
151205	0.3	190	97	3.86	1190	< 1	8.1	211	190	7.4	54.5	21.6	< 0.01	< 2	25.8	28.8	2.5	725	< 0.2	1.5	< 6	24.5	0.48
151206	0.1	17.0	222	3.00	1720	< 1	6.4	25.8	200	2.0	6.1	14.7	< 0.01	< 2	23.8	4.5	16.0	359	< 0.2	0.6	< 6	1.4	0.51
151207	0.3	3.4	267	3.86	1630	< 1	4.1	9.0	80	< 0.8	1.7	18.8	0.03	< 2	22.8	2.8	1.6	179	< 0.2	0.7	< 6	0.4	0.91
151208	0.3	18.1	129	0.99	3640	1	12.9	43.6	10	1.9	8.6	16.4	0.20	< 2	25.5	11.9	2.8	186	0.7	2.6	< 6	1.6	0.83
151209	0.8	2.3	207	3.04	1620	< 1	4.1	8.9	80	2.0	1.5	48.8	< 0.01	< 2	22.4	2.9	1.8	311	0.3	0.7	< 6	0.4	1.06
151210	0.5	5.3	180	2.99	1770	< 1	8.6	9.1	110	< 0.8	1.8	95.6	< 0.01	< 2	22.6	2.2	64.8	151	2.7	0.6	< 6	0.5	0.43
151211	0.2	3.2	277	3.42	1980	< 1	3.5	7.3	70	0.9	1.4	10.1	< 0.01	< 2	23.9	2.0	1.5	72	< 0.2	0.6	< 6	0.3	0.48

Analyte Symbol	Tl	Tm	U	V	W	Y	Yb	Zn
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.1	0.1	5	0.7	0.1	0.1	30
Method Code	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
151001	10.4	0.3	0.7	182	1.1	21.6	1.6	300
151002	< 0.1	1.4	0.5	20	< 0.7	78.9	7.8	160
151003	< 0.1	0.3	< 0.1	233	< 0.7	20.2	1.7	170
151004	0.1	0.3	< 0.1	235	1.1	20.5	1.6	140
151005	< 0.1	1.8	0.8	37	< 0.7	92.6	11.1	100
151006	< 0.1	2.3	0.7	22	1.6	132	12.7	90
151007	< 0.1	0.3	< 0.1	261	< 0.7	21.8	1.8	140
151008	0.6	0.9	0.4	267	10.2	51.1	4.9	140
151009	0.6	0.5	0.2	336	< 0.7	31.0	3.2	140
151010	< 0.1	0.3	0.2	227	1.8	20.3	1.6	140
151011	< 0.1	0.4	0.6	215	< 0.7	23.5	1.9	130
151012	25.2	0.6	5.2	498	< 0.7	33.4	3.0	260
151013	< 0.1	0.8	0.3	127	< 0.7	47.7	4.7	190
151014	< 0.1	0.2	0.5	166	< 0.7	14.5	1.4	130
151015	< 0.1	0.6	0.6	394	< 0.7	34.6	3.3	180
151016	8.5	< 0.1	3.1	< 5	< 0.7	2.3	0.1	< 30
151017	< 0.1	1.6	0.6	113	< 0.7	93.4	8.6	140
151018	< 0.1	0.7	0.3	261	< 0.7	46.8	3.9	190
151019	0.7	0.9	0.4	176	< 0.7	50.3	4.8	180
151020	< 0.1	0.6	0.2	373	< 0.7	33.7	3.3	130
151021	1.6	0.3	0.6	184	< 0.7	16.8	1.5	100
151022	< 0.1	0.4	0.3	263	< 0.7	24.2	2.2	140
151023	< 0.1	0.3	0.6	207	< 0.7	19.1	1.5	100
151024	4.2	0.2	0.9	200	< 0.7	18.0	1.3	100
151025	2.2	0.3	0.3	184	1.8	17.3	1.7	90
151026	< 0.1	0.6	0.2	326	< 0.7	39.9	3.6	130
151027	< 0.1	1.1	0.4	24	< 0.7	67.0	6.4	220
151028	< 0.1	0.4	0.2	302	< 0.7	22.9	2.3	140
151029	< 0.1	0.4	< 0.1	288	< 0.7	22.6	2.2	130
151030	< 0.1	0.3	0.1	268	< 0.7	21.6	2.0	110
151031	0.5	0.6	0.2	318	< 0.7	32.2	3.3	140
151032	< 0.1	0.3	0.1	260	< 0.7	21.6	2.0	110
151033	0.2	0.6	0.2	308	< 0.7	38.5	3.8	200
151034	0.4	0.3	< 0.1	184	1.6	21.8	1.6	70
151035	< 0.1	0.3	0.7	122	< 0.7	18.6	1.6	90
151036	< 0.1	0.3	0.1	219	< 0.7	21.4	1.8	140
151037	< 0.1	2.0	0.8	30	< 0.7	112	12.2	100
151038	< 0.1	1.6	0.6	89	< 0.7	93.4	9.6	90
151039	0.3	1.0	0.4	202	< 0.7	58.5	5.9	120
151040	< 0.1	0.3	0.1	277	< 0.7	21.1	2.0	90
151041	< 0.1	0.3	0.5	225	< 0.7	19.7	1.7	90

Analyte Symbol	Tl	Tm	U	V	W	Y	Yb	Zn
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.1	0.1	5	0.7	0.1	0.1	30
Method Code	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
151042	0.2	0.6	0.2	335	< 0.7	35.2	3.3	150
151043	< 0.1	0.5	0.3	323	< 0.7	29.4	2.6	120
151044	1.3	0.4	0.2	289	< 0.7	25.1	2.4	130
151045	< 0.1	0.4	0.1	317	< 0.7	22.4	2.4	180
151046	< 0.1	0.6	0.4	453	2.0	34.6	3.4	130
151047	2.1	0.2	3.3	103	3.4	19.7	1.0	90
151048	< 0.1	0.9	0.4	221	3.0	46.2	5.3	200
151049	0.1	0.1	4.2	6	9.0	9.2	0.7	60
151050	< 0.1	0.7	0.4	146	< 0.7	48.9	4.5	170
151051	< 0.1	0.4	0.1	298	11.0	22.4	2.2	90
151052	0.2	0.4	0.1	270	5.4	19.9	2.1	80
151053	< 0.1	0.3	< 0.1	246	4.8	17.0	1.8	80
151054	< 0.1	0.3	0.2	227	15.9	18.8	1.9	80
151055	< 0.1	0.6	0.2	364	4.0	33.7	3.3	140
151056	< 0.1	0.4	0.5	262	4.4	21.0	2.3	70
151057	< 0.1	0.4	< 0.1	322	4.4	23.6	2.5	140
151058	0.6	0.6	0.3	325	< 0.7	31.7	3.3	140
151059	< 0.1	1.1	0.5	33	4.4	64.0	6.4	410
151060	< 0.1	0.8	0.3	228	4.5	45.8	4.7	190
151061	0.8	0.4	0.2	335	4.7	24.1	2.4	90
151062	0.4	0.6	0.2	375	3.4	35.1	4.0	140
151063	0.4	0.4	0.1	320	3.1	25.0	2.6	90
151064	1.6	0.6	0.5	288	12.8	38.4	3.7	150
151101	< 0.1	0.3	0.4	224	6.6	21.3	1.8	130
151102	2.4	0.4	0.4	259	3.4	25.8	2.5	120
151103	< 0.1	< 0.1	2.7	6	1.7	0.5	< 0.1	< 30
151104	< 0.1	0.4	0.8	220	1.5	26.8	2.2	150
151105	< 0.1	0.3	0.1	219	2.6	21.2	1.8	130
151106	< 0.1	0.9	0.3	186	1.3	49.6	5.4	160
151107	5.4	< 0.1	1.4	< 5	9.1	0.3	< 0.1	40
151108	< 0.1	0.3	< 0.1	209	1.9	20.1	1.7	120
151109	< 0.1	1.6	0.6	17	3.5	90.8	9.6	40
151110	0.5	0.7	0.2	514	2.0	37.3	3.9	140
151111	< 0.1	2.1	0.8	52	3.8	112	12.6	80
151112	0.4	1.0	0.3	380	4.4	55.3	5.9	150
151113	0.2	0.9	0.4	111	1.4	51.7	5.4	70
151114	1.5	1.0	0.4	393	2.1	51.0	5.8	140
151115	0.9	2.0	1.0	< 5	1.4	105	11.6	< 30
151116	3.2	0.9	2.7	< 5	3.8	44.9	5.6	< 30
151117	< 0.1	1.1	0.5	365	0.7	59.2	6.4	180
151118	0.2	0.9	0.4	438	11.2	50.3	5.0	110

Analyte Symbol	Tl	Tm	U	V	W	Y	Yb	Zn
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.1	0.1	5	0.7	0.1	0.1	30
Method Code	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
151119	< 0.1	0.7	0.3	353	13.3	37.0	3.9	120
151120	< 0.1	0.7	0.2	283	1.9	39.1	4.1	80
151121	< 0.1	0.3	0.3	196	2.0	19.7	1.8	100
151122	0.5	0.3	0.5	190	2.2	20.1	1.5	100
151123	< 0.1	0.8	0.4	309	< 0.7	42.0	4.4	150
151124	< 0.1	0.5	0.2	305	< 0.7	31.5	3.4	130
151125	0.3	0.1	3.2	95	1.2	14.1	0.9	80
151126	< 0.1	0.4	0.1	286	< 0.7	22.8	2.5	130
151127	< 0.1	0.4	0.1	296	0.7	22.9	2.3	90
151128	< 0.1	0.5	0.1	246	< 0.7	23.9	2.9	80
151129	< 0.1	0.7	0.3	379	< 0.7	42.1	4.5	110
151130	0.5	0.2	1.5	88	< 0.7	11.4	1.3	50
151131	< 0.1	1.2	0.3	23	< 0.7	67.4	6.6	210
151132	< 0.1	0.6	0.2	344	0.8	35.6	3.8	120
151133	< 0.1	0.7	0.3	214	< 0.7	39.4	4.0	130
151134	1.7	0.2	0.3	144	83.2	12.0	1.3	70
151135	0.1	0.3	0.5	200	2.4	20.1	1.5	90
151136	< 0.1	0.3	0.2	268	< 0.7	16.2	1.7	80
151137	0.2	0.7	0.2	244	1.5	41.3	4.2	180
151138	< 0.1	1.4	0.5	110	1.9	81.8	8.4	110
151139	3.4	0.2	0.3	129	1.6	12.4	1.3	80
151140	24.4	< 0.1	3.8	< 5	1.4	0.6	< 0.1	30
151141	< 0.1	0.3	< 0.1	210	1.4	22.7	1.9	140
151142	< 0.1	0.3	0.3	191	2.1	20.2	2.0	90
151143	< 0.1	0.5	0.2	340	1.0	29.2	3.0	100
151144	1.8	0.4	0.4	230	0.8	22.5	2.2	90
151145	< 0.1	0.3	0.4	192	1.5	20.5	1.4	100
151146	0.4	0.3	0.4	177	< 0.7	17.0	1.5	100
151147	< 0.1	0.5	0.2	446	1.8	33.7	3.2	190
151148	< 0.1	0.4	0.1	301	< 0.7	26.1	2.3	200
151149	< 0.1	0.4	0.1	281	3.8	21.6	2.0	120
151150	0.2	0.2	0.8	196	1.0	21.4	1.4	100
151151	< 0.1	0.3	0.5	175	< 0.7	18.8	1.4	110
151152	0.6	0.4	0.8	222	1.8	24.9	2.1	130
151153	0.1	0.4	0.2	251	5.6	23.7	2.1	120
151154	< 0.1	0.8	0.2	336	< 0.7	47.1	4.7	150
151155	< 0.1	0.3	0.2	184	< 0.7	19.7	1.7	140
151156	1.3	0.4	5.7	235	1.2	24.9	2.2	100
151157	2.5	0.3	0.3	202	< 0.7	17.9	2.0	90
151158	0.4	0.3	0.3	228	< 0.7	21.8	2.3	110
151159	< 0.1	0.4	0.1	270	59.4	24.5	2.9	100

Analyte Symbol	Tl	Tm	U	V	W	Y	Yb	Zn
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.1	0.1	5	0.7	0.1	0.1	30
Method Code	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
151160	< 0.1	0.3	< 0.1	216	< 0.7	20.4	2.0	130
151161	0.8	0.6	0.3	397	< 0.7	35.3	4.3	160
151162	< 0.1	0.6	0.2	275	< 0.7	33.9	4.0	140
151163	0.2	1.9	0.8	29	< 0.7	111	14.0	50
151164	0.1	0.7	0.3	366	< 0.7	39.7	5.0	110
151165	< 0.1	2.0	0.8	15	< 0.7	111	13.7	60
151166	< 0.1	1.9	0.8	27	< 0.7	106	11.9	200
151167	< 0.1	0.3	0.1	288	< 0.7	19.4	2.4	120
151168	3.5	< 0.1	6.4	< 5	8.4	0.9	< 0.1	< 30
151169	8.9	0.5	2.0	375	< 0.7	30.9	3.5	140
151170	0.3	0.6	0.3	498	< 0.7	32.6	3.7	150
151171	0.6	0.6	0.3	546	< 0.7	34.5	4.2	150
151172	< 0.1	0.5	0.3	368	1.4	25.6	2.9	130
151173	0.5	1.2	0.4	27	< 0.7	67.5	7.6	220
151174	< 0.1	0.3	0.1	272	< 0.7	19.5	2.3	90
151175	< 0.1	0.7	0.3	337	< 0.7	38.0	4.9	130
151176	< 0.1	0.4	< 0.1	304	< 0.7	21.9	2.7	130
151177	1.1	0.9	0.4	287	< 0.7	47.3	5.7	130
151178	0.5	0.8	0.4	446	0.8	42.2	4.9	200
151179	1.8	0.8	0.4	425	< 0.7	48.3	5.8	160
151180	< 0.1	0.6	0.3	346	< 0.7	37.6	4.5	130
151181	< 0.1	1.0	0.4	529	< 0.7	54.7	6.5	170
151182	< 0.1	0.8	0.3	399	< 0.7	42.3	5.2	140
151183	< 0.1	0.2	0.6	35	< 0.7	11.2	1.2	160
151184	2.0	0.6	0.3	392	< 0.7	34.7	4.3	120
151185	1.1	0.7	0.3	371	< 0.7	37.9	4.4	150
151186	< 0.1	0.8	0.4	219	< 0.7	46.3	6.1	130
151187	< 0.1	0.9	0.3	396	< 0.7	55.4	6.6	150
151188	0.6	0.4	0.4	255	< 0.7	23.6	2.4	150
151189	4.6	< 0.1	4.3	< 5	< 0.7	0.7	< 0.1	150
151190	< 0.1	0.8	0.4	251	< 0.7	43.9	5.2	150
151191	< 0.1	0.4	0.4	265	< 0.7	23.5	2.4	160
151192	0.3	1.7	0.9	125	< 0.7	96.1	11.9	50
151193	0.1	0.5	0.2	443	< 0.7	31.3	3.6	150
151194	0.5	0.6	0.4	373	< 0.7	29.8	3.8	130
151195	3.5	0.1	5.8	28	< 0.7	9.9	0.9	70
151196	< 0.1	0.4	0.2	227	< 0.7	21.2	2.6	100
151197	< 0.1	0.7	0.3	335	5.9	39.7	4.6	110
151198	0.2	0.1	< 0.1	173	< 0.7	6.9	0.8	50
151199	< 0.1	0.6	0.2	355	< 0.7	32.0	4.0	130
151200	0.3	0.7	0.3	366	1.1	36.9	4.4	160

Analyte Symbol	Tl	Tm	U	V	W	Y	Yb	Zn
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.1	0.1	5	0.7	0.1	0.1	30
Method Code	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
151201	0.9	0.7	0.4	386	< 0.7	47.1	5.3	140
151202	0.8	0.2	5.4	138	< 0.7	18.4	1.4	100
151203	0.5	0.3	0.4	198	< 0.7	18.0	1.8	120
151204	4.6	0.5	18.4	8	< 0.7	34.5	3.4	70
151205	< 0.1	0.3	5.1	164	< 0.7	24.4	1.6	210
151206	< 0.1	0.3	0.5	190	< 0.7	16.9	2.0	100
151207	< 0.1	0.4	0.2	326	< 0.7	22.8	2.5	140
151208	< 0.1	1.3	0.5	29	< 0.7	78.9	8.8	260
151209	0.2	0.4	0.3	510	< 0.7	23.9	3.0	130
151210	0.6	0.4	0.6	250	< 0.7	21.9	2.7	120
151211	< 0.1	0.4	0.1	328	< 0.7	24.1	3.1	100

Analyte Symbol	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	Fe	Ga	Gd	Ge	Ho	Hf	In
Unit Symbol	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	5	10	3	3	2	0.01	2	0.8	0.2	30	0.1	2	0.3	0.1	0.1	0.05	0.2	0.1	0.7	0.2	10	0.2
Method Code	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
GXR-1 Meas	3.36	376	20	722	< 3	1570	0.92	4	15.1	7.2	< 30	3.1	1120	5.1		0.7	25.6	13.0	4.8			< 10	0.6
GXR-1 Cert	3.52	427	15.0	750	1.22	1380	0.960	3.30	17.0	8.20	12.0	3.00	1110	4.30		0.690	23.6	13.8	4.20			0.960	0.770
GXR-1 Meas	3.37	433	10	676	< 3	1580	0.87	4	14.8	8.1	< 30	4.2	1200	4.8		0.7	25.2	13.3	3.9			< 10	0.5
GXR-1 Cert	3.52	427	15.0	750	1.22	1380	0.960	3.30	17.0	8.20	12.0	3.00	1110	4.30		0.690	23.6	13.8	4.20			0.960	0.770
GXR-1 Meas	3.34						0.91										26.0						
GXR-1 Cert	3.52						0.960										23.6						
GXR-4 Meas	7.40	93	< 10	1730	< 3	18	0.99	< 2	113	12.7	70	3.1	6500	3.0		1.7	2.98	18.3	5.9			< 10	< 0.2
GXR-4 Cert	7.20	98.0	4.50	1640	1.90	19.0	1.01	0.860	102	14.6	64.0	2.80	6520	2.60		1.63	3.09	20.0	5.25			6.30	0.270
GXR-4 Meas	7.27	105	< 10	1660	< 3	19	1.01	< 2	109	13.9	40	3.2	6520	2.8		1.6	3.02	18.8	4.8			< 10	< 0.2
GXR-4 Cert	7.20	98.0	4.50	1640	1.90	19.0	1.01	0.860	102	14.6	64.0	2.80	6520	2.60		1.63	3.09	20.0	5.25			6.30	0.270
GXR-4 Meas	7.16						1.02										3.00						
GXR-4 Cert	7.20						1.01										3.09						
NIST 696 Meas	> 25.0										290												
NIST 696 Cert	28.9										321.0												
NIST 696 Meas											300												
NIST 696 Cert											321.0												
NIST 696 Meas											310												
NIST 696 Cert											321.0												
GBW 07239 (NCS DC 70007) Meas		< 5				< 2			58.4	12.6			48					24.1		12.4			
GBW 07239 (NCS DC 70007) Cert		1.0				1.0			60.3	13.5			48.6					23.1		12.4			
GBW 07239 (NCS DC 70007) Meas		< 5				< 2			57.6	14.0			45					24.1		12.9			
GBW 07239 (NCS DC 70007) Cert		1.0				1.0			60.3	13.5			48.6					23.1		12.4			
GBW 07239 (NCS DC 70007) Meas		< 5				< 2			58.1	14.4			52					24.5		13.2			
GBW 07239 (NCS DC 70007) Cert		1.0				1.0			60.3	13.5			48.6					23.1		12.4			
GBW 07239 (NCS DC 70007) Meas																							
GBW 07239 (NCS DC 70007) Cert																							
MP-1b Meas							2.44										8.19						
MP-1b Cert							2.47										8.19						
MP-1b Meas							2.56										8.13						
MP-1b Cert							2.47										8.19						
MP-1b Meas							2.50										7.98						
MP-1b Cert							2.47										8.19						
OREAS 101a (Fusion) Meas									1370	42.8			397	30.1	19.6	8.0	11.1		44.1		6.5		
OREAS 101a									1396	48.8			434	33.3	19.5	8.06	11.06		43.4		6.46		

Analyte Symbol	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	Fe	Ga	Gd	Ge	Ho	Hf	In
Unit Symbol	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	5	10	3	3	2	0.01	2	0.8	0.2	30	0.1	2	0.3	0.1	0.1	0.05	0.2	0.1	0.7	0.2	10	0.2
Method Code	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
(Fusion) Cert																							
OREAS 101a (Fusion) Meas									1380	43.6			401	34.6	20.3	9.2	11.3		45.6		7.4		
OREAS 101a (Fusion) Cert									1396	48.8			434	33.3	19.5	8.06	11.06		43.4		6.46		
OREAS 101a (Fusion) Meas									1480	44.7			407	33.3	20.9	9.3	11.1		44.2		7.3		
OREAS 101a (Fusion) Cert									1396	48.8			434	33.3	19.5	8.06	11.06		43.4		6.46		
OREAS 13b (fusion) Meas	8.33			778			5.64				> 10000						8.35						
OREAS 13b (fusion) Cert	8.41			694			5.57				10800.00						8.41						
OREAS 13b (fusion) Meas	8.59			740			5.76				> 10000						8.52						
OREAS 13b (fusion) Cert	8.41			694			5.57				10800.00						8.41						
OREAS 13b (fusion) Meas	8.05			708			5.65				> 10000						8.38						
OREAS 13b (fusion) Cert	8.41			694			5.57				10800.00						8.41						
NCS DC86303 Meas												360											
NCS DC86303 Cert												350											
NCS DC86303 Meas												319											
NCS DC86303 Cert												350											
NCS DC86303 Meas																							
NCS DC86303 Cert																							
NCS DC86314 Meas												3040											
NCS DC86314 Cert												2830											
NCS DC86314 Meas												2910											
NCS DC86314 Cert												2830											
NCS DC86314 Meas																							
NCS DC86314 Cert																							
OREAS 922	7.34			459		9	0.50		81.8	18.3	90	7.0	2070	4.9	3.1	1.3	5.65	18.3	6.5		1.0	< 10	< 0.2

Analyte Symbol	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	Fe	Ga	Gd	Ge	Ho	Hf	In
Unit Symbol	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	5	10	3	3	2	0.01	2	0.8	0.2	30	0.1	2	0.3	0.1	0.1	0.05	0.2	0.1	0.7	0.2	10	0.2
Method Code	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
(Peroxide Fusion) Meas																							
OREAS 922 (Peroxide Fusion) Cert	7.59			481		10.8	0.486		88.0	20.9	90.0	7.50	2215	5.75	3.38	1.52	5.71	21.2	6.94		1.20	5.93	0.340
OREAS 922 (Peroxide Fusion) Meas	7.71			489		9	0.48		91.6	19.2	120	7.6	2130	5.8	3.4	1.6	5.65	19.6	7.1		1.2	10	0.2
OREAS 922 (Peroxide Fusion) Cert	7.59			481		10.8	0.486		88.0	20.9	90.0	7.50	2215	5.75	3.38	1.52	5.71	21.2	6.94		1.20	5.93	0.340
OREAS 922 (Peroxide Fusion) Meas																							
OREAS 922 (Peroxide Fusion) Cert																							
OREAS 621 (Peroxide Fusion) Meas	6.67	73		2530	< 3	4	1.98	263	50.1	26.6	60	3.1	3450				3.72	23.3					1.8
OREAS 621 (Peroxide Fusion) Cert	6.63	85.0		2610	2.00	4.00	2.00	295	52.0	31.4	48.7	3.59	3680				3.71	26.5					1.93
OREAS 621 (Peroxide Fusion) Meas	6.74	73		2710	< 3	4	2.01	279	55.2	27.2	60	3.2	3580				3.78	24.2					2.0
OREAS 621 (Peroxide Fusion) Cert	6.63	85.0		2610	2.00	4.00	2.00	295	52.0	31.4	48.7	3.59	3680				3.71	26.5					1.93
OREAS 621 (Peroxide Fusion) Meas	6.55	81		2660	< 3	4	2.05	282	49.8	30.4	< 30	2.3	3640				3.75	24.3					2.0
OREAS 621 (Peroxide Fusion) Cert	6.63	85.0		2610	2.00	4.00	2.00	295	52.0	31.4	48.7	3.59	3680				3.71	26.5					1.93
OREAS 621 (Peroxide Fusion) Meas																							
OREAS 621 (Peroxide Fusion) Cert																							
151007 Orig	8.11	< 5	< 10	32	< 3	< 2	6.37	< 2	9.5	46.9	150	1.3	21	3.8	2.2	1.1	8.74	20.7	4.0	2.4	0.8	< 10	< 0.2
151007 Dup	8.13	< 5	< 10	37	< 3	< 2	6.35	< 2	9.1	46.5	150	1.6	20	3.9	2.4	1.1	8.71	19.6	4.2	2.4	0.9	< 10	< 0.2
151015 Orig	7.40	< 5	< 10	22	< 3	< 2	6.80	< 2	10.9	38.7	70	4.4	20	5.7	4.2	1.5	13.1	23.4	5.2	3.3	1.4	< 10	< 0.2
151015 Dup	7.43	< 5	< 10	22	3	< 2	7.00	< 2	11.3	39.1	60	3.4	30	5.9	4.0	1.5	13.2	24.8	4.9	3.1	1.4	< 10	< 0.2
151029 Orig	7.23	< 5	< 10	30	< 3	< 2	6.76	< 2	7.0	50.9	140	1.8	40	3.6	2.6	0.8	9.52	16.0	3.5	2.3	0.8	< 10	< 0.2
151029 Dup	7.36	< 5	< 10	29	< 3	< 2	6.73	< 2	7.0	52.2	140	2.4	44	3.8	2.7	0.8	9.52	16.2	3.6	1.4	0.8	< 10	< 0.2

Analyte Symbol	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	Fe	Ga	Gd	Ge	Ho	Hf	In
Unit Symbol	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	5	10	3	3	2	0.01	2	0.8	0.2	30	0.1	2	0.3	0.1	0.1	0.05	0.2	0.1	0.7	0.2	10	0.2
Method Code	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
151037 Orig	5.92	< 5	< 10	91	3	< 2	3.88	< 2	45.4	7.2	< 30	7.5	< 2	16.8	13.9	2.3	6.36	29.6	13.5	3.0	4.0	20	< 0.2
151037 Dup	5.92	8	< 10	92	3	< 2	3.86	< 2	46.8	7.1	< 30	6.3	< 2	17.8	14.2	2.4	6.33	29.3	14.2	3.0	4.1	20	< 0.2
151050 Orig	6.46	9	< 10	82	< 3	< 2	5.18	< 2	21.7	33.3	< 30	5.2	7	8.4	5.8	2.2	12.9	24.9	9.0	1.9	1.8	10	< 0.2
151050 Split PREP DUP	6.50	< 5	< 10	80	< 3	< 2	5.19	< 2	20.4	32.1	< 30	5.2	30	8.5	5.7	2.2	13.0	24.1	8.8	1.6	1.8	10	0.3
151050 Orig																							
151050 Split PREP DUP																							
151051 Orig	7.34	< 5	10	19	< 3	2	10.7	< 2	11.2	51.4	260	2.7	29	3.6	2.6	0.9	8.82	17.4	3.1	2.6	0.9	< 10	< 0.2
151051 Dup	7.46	< 5	< 10	19	< 3	< 2	10.7	< 2	11.1	56.2	260	2.5	48	3.7	2.6	1.0	8.94	17.5	3.1	2.8	0.9	< 10	< 0.2
151058 Orig	7.60	< 5	< 10	131	4	< 2	6.03	< 2	6.8	39.4	< 30	39.5	12	5.2	4.0	1.0	11.6	19.2	4.4	1.7	1.2	< 10	< 0.2
151058 Dup	7.58	< 5	< 10	126	4	< 2	5.98	< 2	6.8	39.2	< 30	36.4	19	5.1	4.0	1.0	11.6	18.9	4.2	1.3	1.2	< 10	< 0.2
151058 Orig																							
151058 Dup																							
151108 Orig	8.11	< 5	390	19	< 3	< 2	5.41	< 2	10.8	29.4	190	8.9	28	3.8	2.1	1.3	9.46	18.7	4.0	2.6	0.8	< 10	< 0.2
151108 Dup	7.97	< 5	390	19	< 3	< 2	5.58	< 2	11.4	28.8	140	9.2	16	4.0	2.3	1.3	9.45	18.8	4.2	2.8	0.8	< 10	< 0.2
151131 Orig	5.88	< 5	10	86	< 3	< 2	5.84	< 2	40.5	16.0	< 30	1.1	55	12.8	8.0	3.3	13.2	26.3	13.1	4.4	2.9	< 10	< 0.2
151131 Dup	6.04	< 5	10	88	< 3	< 2	5.78	< 2	39.8	15.5	< 30	0.6	55	12.9	7.8	3.3	13.3	25.4	13.1	4.2	2.9	10	< 0.2
151136 Orig	7.75	< 5	20	64	< 3	< 2	8.25	< 2	8.8	41.6	260	1.1	46	2.8	1.9	0.7	7.24	14.8	2.5	3.4	0.6	< 10	< 0.2
151136 Split PREP DUP	8.08	< 5	20	69	< 3	< 2	8.16	4	9.1	43.4	340	1.5	61	2.9	1.9	0.8	7.18	15.6	2.5	2.7	0.7	20	< 0.2
151138 Orig	7.00	< 5	40	83	3	< 2	4.64	< 2	41.5	20.5	40	20.2	23	14.6	9.6	2.7	8.27	27.9	13.0	4.6	3.4	10	< 0.2
151138 Dup	6.91	< 5	40	81	3	< 2	4.74	< 2	41.4	20.2	< 30	19.6	29	14.2	9.2	2.6	8.30	27.6	12.3	4.8	3.2	10	< 0.2
151152 Orig	6.18	13	10	443	70	5	15.8	2	81.6	53.6	530	13.3	56	5.5	2.7	3.0	9.50	22.8	9.2	8.8	1.1	< 10	< 0.2
151152 Dup	6.07	< 5	10	416	69	5	15.4	< 2	76.9	52.0	510	11.9	52	4.8	2.6	2.9	9.42	22.1	8.9	9.0	1.0	< 10	< 0.2
151160 Orig	7.52	< 5	< 10	35	< 3	< 2	6.45	< 2	13.1	37.3	160	4.4	41	4.2	2.4	1.4	10.2	19.2	4.3	0.8	0.8	< 10	< 0.2
151160 Dup	7.54	< 5	< 10	37	< 3	< 2	6.50	< 2	12.6	36.4	160	4.5	36	4.0	2.3	1.4	10.2	18.9	4.4	0.7	0.8	< 10	< 0.2
151174 Orig	7.41	< 5	< 10	14	< 3	< 2	6.56	< 2	6.6	46.3	120	1.2	20	3.4	2.5	0.8	8.74	15.4	2.9	1.7	0.8	< 10	< 0.2
151174 Dup	7.34	< 5	< 10	9	< 3	< 2	6.58	< 2	6.0	45.0	110	0.8	15	3.2	2.3	0.7	8.73	14.5	2.6	1.1	0.8	< 10	< 0.2
151182 Orig	7.51	< 5	30	192	< 3	< 2	7.03	< 2	34.2	38.2	40	19.0	93	7.8	5.5	1.7	8.68	22.3	6.7	2.4	1.8	< 10	< 0.2
151182 Dup	7.54	< 5	20	178	< 3	< 2	6.99	< 2	31.5	38.0	50	17.6	91	7.2	5.2	1.7	8.64	20.9	6.5	2.8	1.7	< 10	< 0.2
151186 Orig	6.94	25	< 10	85	< 3	< 2	3.36	< 2	28.7	23.1	30	17.0	18	8.3	5.9	2.2	10.2	27.9	7.5	2.6	1.9	< 10	< 0.2
151186 Split PREP DUP	7.07	< 5	< 10	89	< 3	< 2	3.33	< 2	29.4	22.6	90	17.1	19	8.1	6.0	2.1	10.1	27.8	7.9	2.6	1.9	< 10	< 0.2
151195 Orig	7.58	< 5	140	684	19	< 2	0.99	< 2	61.6	3.1	< 30	51.1	< 2	1.7	1.0	0.6	1.77	24.5	2.9	1.9	0.3	10	< 0.2
151195 Dup	7.55	< 5	150	677	19	< 2	1.00	< 2	61.1	3.0	< 30	50.5	< 2	1.7	1.0	0.6	1.77	24.8	2.8	1.9	0.3	10	< 0.2
151203 Orig	7.81	< 5	50	26	< 3	< 2	8.14	< 2	12.5	34.0	120	11.4	37	3.4	2.0	1.3	8.78	19.6	3.9	2.6	0.7	< 10	< 0.2
151203 Dup	7.73	< 5	60	28	< 3	< 2	8.11	2	13.0	35.5	140	12.3	41	3.8	2.3	1.3	8.76	20.6	4.0	2.0	0.8	10	< 0.2
Method Blank	< 0.01	< 5	< 10	< 3	< 3	< 2	< 0.01	4	< 0.8	0.2	40	0.1	< 2	< 0.3	< 0.1	< 0.1	< 0.05	< 0.2	< 0.1	< 0.7	< 0.2	20	< 0.2
Method Blank	< 0.01						< 0.01										< 0.05						
Method Blank	< 0.01	6	< 10	< 3	< 3	< 2	< 0.01	2	< 0.8	< 0.2	40	< 0.1	< 2	< 0.3	< 0.1	< 0.1	< 0.05	< 0.2	< 0.1	1.6	< 0.2	10	< 0.2
Method Blank	< 0.01	9	< 10	< 3	< 3	< 2	< 0.01	4	< 0.8	1.1	80	0.1	< 2	< 0.3	< 0.1	< 0.1	< 0.05	< 0.2	< 0.1	< 0.7	< 0.2	20	< 0.2

Analyte Symbol	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	Fe	Ga	Gd	Ge	Ho	Hf	In
Unit Symbol	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	5	10	3	3	2	0.01	2	0.8	0.2	30	0.1	2	0.3	0.1	0.1	0.05	0.2	0.1	0.7	0.2	10	0.2
Method Code	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
Method Blank	< 0.01	< 5	< 10	< 3	< 3	< 2	< 0.01	< 2	< 0.8	0.3	30	< 0.1	< 2	< 0.3	< 0.1	< 0.1	< 0.05	< 0.2	< 0.1	2.2	< 0.2	< 10	< 0.2
Method Blank	< 0.01	< 5	< 10	< 3	< 3	< 2	< 0.01	3	1.8	< 0.2	< 30	< 0.1	< 2	< 0.3	< 0.1	< 0.1	< 0.05	< 0.2	< 0.1	< 0.7	< 0.2	10	< 0.2
Method Blank	< 0.01	< 5	< 10	< 3	< 3	< 2	0.01	5	1.0	0.2	40	< 0.1	5	< 0.3	< 0.1	< 0.1	< 0.05	< 0.2	< 0.1	1.2	< 0.2	20	< 0.2
Method Blank																							

Analyte Symbol	K	La	Li	Mg	Mn	Mo	Nb	Nd	Ni	Pb	Pr	Rb	S	Sb	Si	Sm	Sn	Sr	Ta	Tb	Te	Th	Ti
Unit Symbol	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	0.1	0.4	3	0.01	3	1	2.4	0.4	10	0.8	0.1	0.4	0.01	2	0.01	0.1	0.5	3	0.2	0.1	6	0.1	0.01
Method Code	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2
GXR-1 Meas	< 0.1	7.5	10	0.21	848	19	< 2.4	9.5	20	820		3.2	0.26	124		3.1	56.1	311	< 0.2	1.0	12	2.3	0.03
GXR-1 Cert	0.050	7.50	8.20	0.217	852	18.0	0.800	18.0	41.0	730		14.0	0.257	122		2.70	54.0	275	0.175	0.830	13.0	2.44	0.036
GXR-1 Meas	< 0.1	7.4	7	0.20	885	20	< 2.4	9.1	30	800		6.1	0.28	129		2.9	55.3	303	< 0.2	0.8	15	2.4	0.03
GXR-1 Cert	0.050	7.50	8.20	0.217	852	18.0	0.800	18.0	41.0	730		14.0	0.257	122		2.70	54.0	275	0.175	0.830	13.0	2.44	0.036
GXR-1 Meas	< 0.1			0.22									0.25										0.03
GXR-1 Cert	0.050			0.217									0.257										0.036
GXR-4 Meas	4.0	64.1	13	1.75	133	335	8.6	47.1	20	49.9		175	1.73	4	> 30.0	7.0	6.1	253	< 0.2	0.7	< 6	20.9	0.29
GXR-4 Cert	4.01	64.5	11.1	1.66	155	310	10.0	45.0	42.0	52.0		160	1.77	4.80	30.89	6.60	5.60	221	0.790	0.360	0.970	22.5	0.29
GXR-4 Meas	4.0	61.8	14	1.75	146	315	11.4	43.8	30	49.5		162	1.73	5	> 30.0	6.6	6.3	213	1.8	0.6	< 6	24.1	0.29
GXR-4 Cert	4.01	64.5	11.1	1.66	155	310	10.0	45.0	42.0	52.0		160	1.77	4.80	30.89	6.60	5.60	221	0.790	0.360	0.970	22.5	0.29
GXR-4 Meas	4.0			1.76									1.77		> 30.0								0.29
GXR-4 Cert	4.01			1.66									1.77		30.89								0.29
NIST 696 Meas																							
NIST 696 Cert																							
NIST 696 Meas																							
NIST 696 Cert																							
NIST 696 Meas																							
NIST 696 Cert																							
GBW 07239 (NCS DC 70007) Meas		34.6			> 10000	1030		32.6	30	23.1	8.5						30.4						
GBW 07239 (NCS DC 70007) Cert		37.4			11540.000	1100		29.8	20.9	26.1	7.40						33.2						
GBW 07239 (NCS DC 70007) Meas		37.1			> 10000	1110		31.0	10	23.4	7.6						29.6						
GBW 07239 (NCS DC 70007) Cert		37.4			11540.000	1100		29.8	20.9	26.1	7.40						33.2						
GBW 07239 (NCS DC 70007) Meas		37.1			> 10000	1110		31.7	10	27.4	7.7						30.9						
GBW 07239 (NCS DC 70007) Cert		37.4			11540.000	1100		29.8	20.9	26.1	7.40						33.2						
GBW 07239 (NCS DC 70007) Meas																							
GBW 07239 (NCS DC 70007) Cert																							
MP-1b Meas				0.02									14.0		17.1								
MP-1b Cert				0.024									13.79		16.79								
MP-1b Meas				0.02									13.8		17.2								
MP-1b Cert				0.024									13.79		16.79								
MP-1b Meas				0.02									13.5		16.6								
MP-1b Cert				0.024									13.79		16.79								
OREAS 101a (Fusion) Meas	2.2	771		1.23	875	19		417		7.7	137					48.1				5.4		32.3	0.40
OREAS 101a	2.34	816		1.23	964	21.9		403		19	134					48.8				5.92		36.6	0.395

Analyte Symbol	K	La	Li	Mg	Mn	Mo	Nb	Nd	Ni	Pb	Pr	Rb	S	Sb	Si	Sm	Sn	Sr	Ta	Tb	Te	Th	Ti
Unit Symbol	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	0.1	0.4	3	0.01	3	1	2.4	0.4	10	0.8	0.1	0.4	0.01	2	0.01	0.1	0.5	3	0.2	0.1	6	0.1	0.01
Method Code	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2
(Fusion) Cert																							
OREAS 101a (Fusion) Meas	2.3	812		1.23	910	21		419		11.8	135					53.6				6.2		32.8	0.40
OREAS 101a (Fusion) Cert	2.34	816		1.23	964	21.9		403		19	134					48.8				5.92		36.6	0.395
OREAS 101a (Fusion) Meas	2.2	850		1.22	960	20		427		8.5	140					56.2				6.2		35.2	0.40
OREAS 101a (Fusion) Cert	2.34	816		1.23	964	21.9		403		19	134					48.8				5.92		36.6	0.395
OREAS 13b (fusion) Meas	2.3			3.02	1370								1.18		22.9			626					0.69
OREAS 13b (fusion) Cert	2.30			3.01	1300.000								1.19		22.9			537					0.711
OREAS 13b (fusion) Meas	2.3			3.10	1230								1.20		23.5			546					0.71
OREAS 13b (fusion) Cert	2.30			3.01	1300.000								1.19		22.9			537					0.711
OREAS 13b (fusion) Meas	2.3			3.04	1390								1.18		22.8			535					0.71
OREAS 13b (fusion) Cert	2.30			3.01	1300.000								1.19		22.9			537					0.711
NCS DC86303 Meas			2310									1610											
NCS DC86303 Cert			2100.00									1330											
NCS DC86303 Meas			1870									1290											
NCS DC86303 Cert			2100.00									1330											
NCS DC86303 Meas																							
NCS DC86303 Cert																							
NCS DC86314 Meas			> 10000									> 5000					156						
NCS DC86314 Cert			18100.00									11400					152						
NCS DC86314 Meas			> 10000									> 5000					150						
NCS DC86314 Cert			18100.00									11400					152						
NCS DC86314 Meas																							
NCS DC86314 Cert																							
OREAS 922	2.6	41.0	36	1.63	778		13.2	39.8	40	64.3	10.4	160	0.40		> 30.0	6.7	10.0	65	0.9	1.0		15.4	0.44

Analyte Symbol	K	La	Li	Mg	Mn	Mo	Nb	Nd	Ni	Pb	Pr	Rb	S	Sb	Si	Sm	Sn	Sr	Ta	Tb	Te	Th	Ti
Unit Symbol	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	0.1	0.4	3	0.01	3	1	2.4	0.4	10	0.8	0.1	0.4	0.01	2	0.01	0.1	0.5	3	0.2	0.1	6	0.1	0.01
Method Code	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2
(Peroxide Fusion) Meas																							
OREAS 922 (Peroxide Fusion) Cert	2.60	45.6	28.8	1.61	880		15.2	38.9	43.4	64.0	10.6	167	0.389		30.51	7.31	10.0	58.0	1.33	1.02		17.7	0.439
OREAS 922 (Peroxide Fusion) Meas	2.6	44.3	34	1.67	835		15.2	41.7	50	62.2	10.7	187	0.38		> 30.0	8.1	9.8	65	0.7	1.0		17.0	0.44
OREAS 922 (Peroxide Fusion) Cert	2.60	45.6	28.8	1.61	880		15.2	38.9	43.4	64.0	10.6	167	0.389		30.51	7.31	10.0	58.0	1.33	1.02		17.7	0.439
OREAS 922 (Peroxide Fusion) Meas																							0.42
OREAS 922 (Peroxide Fusion) Cert																							0.439
OREAS 621 (Peroxide Fusion) Meas	2.2	25.3		0.52	491	13	9.0	23.1		> 5000	6.0	81.6	4.60	131	27.7			98				7.4	0.19
OREAS 621 (Peroxide Fusion) Cert	2.23	26.1		0.516	554	13.5	10.4	24.2		13300	6.64	89.0	4.51	146	28.1			101				8.56	0.181
OREAS 621 (Peroxide Fusion) Meas	2.2	27.4		0.51	541	14	9.6	24.4		> 5000	6.4	94.1	4.63	137	28.6			102				8.1	0.19
OREAS 621 (Peroxide Fusion) Cert	2.23	26.1		0.516	554	13.5	10.4	24.2		13300	6.64	89.0	4.51	146	28.1			101				8.56	0.181
OREAS 621 (Peroxide Fusion) Meas	2.2	26.7		0.52	549	14	10.7	22.6		> 5000	5.8	85.8	4.56	144	27.6			91				8.6	0.19
OREAS 621 (Peroxide Fusion) Cert	2.23	26.1		0.516	554	13.5	10.4	24.2		13300	6.64	89.0	4.51	146	28.1			101				8.56	0.181
OREAS 621 (Peroxide Fusion) Meas																							
OREAS 621 (Peroxide Fusion) Cert																							
151007 Orig	0.2	2.6	230	2.64	1560	< 1	2.7	9.8	70	< 0.8	1.8	4.8	< 0.01	< 2	24.8	3.3	1.7	221	< 0.2	0.7	< 6	< 0.1	1.07
151007 Dup	0.2	2.5	219	2.62	1540	< 1	2.6	10.2	70	< 0.8	1.8	4.6	< 0.01	< 2	24.6	3.4	0.7	226	< 0.2	0.7	< 6	< 0.1	1.06
151015 Orig	0.3	3.9	218	2.14	2030	< 1	5.6	10.7	20	2.1	1.9	15.3	< 0.01	< 2	22.6	3.8	4.4	163	0.2	1.0	< 6	0.8	1.09
151015 Dup	0.3	4.0	222	2.14	2070	< 1	5.9	10.2	20	< 0.8	1.9	16.1	< 0.01	< 2	23.0	3.6	4.2	189	< 0.2	1.0	< 6	0.7	1.11
151029 Orig	0.1	2.2	64	4.33	1830	< 1	4.1	6.3	60	1.9	1.1	6.3	< 0.01	< 2	23.8	2.2	< 0.5	61	< 0.2	0.6	< 6	0.3	0.63
151029 Dup	0.1	2.3	65	4.39	1860	< 1	4.5	6.1	60	2.8	1.1	7.8	0.02	< 2	23.9	2.0	< 0.5	62	< 0.2	0.6	< 6	0.3	0.62

Analyte Symbol	K	La	Li	Mg	Mn	Mo	Nb	Nd	Ni	Pb	Pr	Rb	S	Sb	Si	Sm	Sn	Sr	Ta	Tb	Te	Th	Ti
Unit Symbol	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	0.1	0.4	3	0.01	3	1	2.4	0.4	10	0.8	0.1	0.4	0.01	2	0.01	0.1	0.5	3	0.2	0.1	6	0.1	0.01
Method Code	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2
151037 Orig	0.4	18.0	106	0.51	1000	1	25.2	30.5	< 10	2.8	6.3	46.8	0.03	< 2	> 30.0	8.8	2.7	258	2.8	2.6	< 6	3.0	0.39
151037 Dup	0.4	18.4	103	0.51	997	1	25.3	32.2	< 10	2.4	6.5	42.5	< 0.01	< 2	> 30.0	9.2	2.7	258	1.4	2.7	< 6	3.2	0.39
151050 Orig	0.3	8.0	427	2.09	2060	< 1	9.4	18.1	< 10	2.1	3.2	11.9	< 0.01	< 2	23.5	5.9	1.1	99	< 0.2	1.4	< 6	1.2	1.05
151050 Split PREP DUP	0.3	7.8	417	2.11	2010	1	9.8	18.0	< 10	2.1	3.2	11.3	0.09	< 2	25.0	5.9	3.0	94	< 0.2	1.5	< 6	1.1	1.07
151050 Orig																							
151050 Split PREP DUP																							
151051 Orig	0.1	4.5	57	3.34	1970	< 1	3.1	8.1	70	< 0.8	1.6	4.6	< 0.01	< 2	23.1	2.3	< 0.5	93	< 0.2	0.6	< 6	0.1	0.56
151051 Dup	0.1	4.5	54	3.37	1970	< 1	2.8	8.2	120	< 0.8	1.6	4.3	0.02	< 2	23.3	2.3	< 0.5	92	< 0.2	0.6	< 6	0.1	0.57
151058 Orig	0.4	2.1	453	2.93	2110	< 1	5.2	7.3	< 10	1.7	1.2	123	0.02	< 2	23.8	2.4	5.3	100	< 0.2	0.8	< 6	0.4	0.69
151058 Dup	0.4	2.1	447	2.93	2080	< 1	4.8	7.1	< 10	1.4	1.2	119	0.01	< 2	23.8	2.4	5.3	97	< 0.2	0.8	< 6	0.4	0.71
151058 Orig																							
151058 Dup																							
151108 Orig	< 0.1	3.6	415	3.31	1370	9	3.1	10.8	30	< 0.8	1.9	20.7	0.02	< 2	24.7	3.4	3.9	190	< 0.2	0.7	< 6	< 0.1	0.97
151108 Dup	0.1	3.7	434	3.28	1350	< 1	3.2	11.4	30	< 0.8	2.0	19.8	0.02	< 2	24.7	3.7	2.9	199	< 0.2	0.8	< 6	< 0.1	0.96
151131 Orig	0.2	14.8	35	1.00	2930	1	10.2	33.7	< 10	< 0.8	6.3	4.2	0.05	< 2	25.8	10.5	0.6	102	< 0.2	2.3	< 6	1.2	0.86
151131 Dup	0.2	14.9	34	1.00	2870	< 1	10.1	33.7	< 10	< 0.8	6.4	3.3	0.12	10	25.4	10.6	0.8	96	< 0.2	2.3	< 6	1.2	0.85
151136 Orig	0.1	3.8	33	4.58	1950	< 1	< 2.4	6.3	50	4.1	1.3	1.0	< 0.01	< 2	25.7	1.7	< 0.5	140	< 0.2	0.4	< 6	0.6	0.41
151136 Split PREP DUP	0.2	3.8	39	4.67	2050	6	3.7	6.4	70	3.3	1.3	3.3	< 0.01	< 2	26.1	1.8	1.0	149	< 0.2	0.5	< 6	0.6	0.41
151138 Orig	0.3	14.1	197	1.61	1090	< 1	14.0	31.8	< 10	< 0.8	6.1	45.9	< 0.01	< 2	27.8	10.3	2.0	110	0.5	2.5	< 6	2.1	0.75
151138 Dup	0.3	14.1	192	1.62	1090	< 1	14.8	30.5	< 10	< 0.8	6.2	43.9	< 0.01	< 2	28.7	9.9	1.7	109	0.5	2.5	< 6	1.9	0.75
151152 Orig	0.2	28.5	266	4.16	2260	< 1	18.4	57.2	170	2.9	12.6	88.5	0.04	< 2	21.0	10.8	58.0	728	6.4	1.2	< 6	1.4	0.76
151152 Dup	0.2	27.3	260	4.01	2200	< 1	17.8	54.6	160	1.9	11.5	86.0	0.03	< 2	20.9	10.4	56.3	698	6.3	1.1	< 6	1.3	0.75
151160 Orig	0.2	3.9	86	3.26	1600	< 1	3.7	13.4	80	< 0.8	2.5	16.1	0.02	< 2	24.2	3.6	0.8	223	< 0.2	0.7	< 6	< 0.1	1.12
151160 Dup	0.2	3.8	85	3.29	1540	< 1	4.0	13.3	80	< 0.8	2.4	15.7	0.01	< 2	24.4	3.6	0.8	215	< 0.2	0.7	< 6	< 0.1	1.11
151174 Orig	0.2	2.6	108	3.73	1650	< 1	3.1	6.8	60	3.0	1.2	2.0	< 0.01	< 2	25.3	1.8	1.1	88	< 0.2	0.5	< 6	0.3	0.51
151174 Dup	0.2	2.1	101	3.68	1520	< 1	2.6	5.9	50	2.0	1.0	1.6	< 0.01	< 2	25.0	1.7	0.6	82	< 0.2	0.5	< 6	0.2	0.50
151182 Orig	0.5	13.3	202	1.93	1450	1	10.9	23.0	30	< 0.8	4.9	25.7	0.02	< 2	25.8	5.5	4.1	126	0.5	1.3	< 6	1.3	1.15
151182 Dup	0.5	12.1	202	1.92	1430	4	10.6	22.6	40	< 0.8	4.7	25.5	0.02	< 2	25.6	5.5	4.2	120	0.5	1.2	< 6	1.3	1.16
151186 Orig	0.5	11.1	91	2.02	1610	< 1	8.3	21.8	20	1.9	4.5	22.9	0.03	< 2	26.0	6.0	5.0	66	0.3	1.4	< 6	1.1	1.04
151186 Split PREP DUP	0.5	11.5	95	2.02	1630	3	8.5	22.9	20	< 0.8	4.5	22.2	0.04	< 2	25.8	5.9	2.4	71	0.3	1.4	< 6	1.0	1.03
151195 Orig	3.3	27.9	314	0.28	423	< 1	25.1	21.3	< 10	22.6	6.0	531	< 0.01	< 2	> 30.0	3.5	27.8	133	10.3	0.4	< 6	33.3	0.13
151195 Dup	3.3	27.7	319	0.29	441	< 1	27.6	21.2	< 10	22.1	5.9	525	< 0.01	< 2	> 30.0	3.5	27.7	133	10.6	0.4	< 6	33.1	0.13
151203 Orig	0.5	3.9	158	2.29	1550	< 1	3.6	13.0	70	1.8	2.4	71.9	< 0.01	< 2	24.7	3.4	2.1	242	< 0.2	0.6	< 6	0.2	0.90
151203 Dup	0.5	4.0	177	2.30	1640	1	4.2	13.0	70	2.2	2.5	76.7	< 0.01	< 2	24.6	3.5	2.7	251	3.2	0.7	< 6	0.3	0.89
Method Blank	< 0.1	< 0.4	8	< 0.01	4	< 1	3.1	< 0.4	< 10	1.1	< 0.1	0.5	< 0.01	< 2	0.03	< 0.1	< 0.5	8	0.3	< 0.1	< 6	< 0.1	< 0.01
Method Blank	< 0.1			< 0.01									< 0.01		< 0.01								< 0.01
Method Blank	< 0.1	< 0.4	< 3	< 0.01	< 3	< 1	< 2.4	< 0.4	< 10	< 0.8	< 0.1	< 0.4	< 0.01	< 2	< 0.01	< 0.1	< 0.5	7	< 0.2	< 0.1	< 6	< 0.1	< 0.01
Method Blank	< 0.1	< 0.4	< 3	< 0.01	11	5	< 2.4	< 0.4	20	4.0	< 0.1	< 0.4	< 0.01	< 2	< 0.01	< 0.1	0.8	8	< 0.2	< 0.1	< 6	< 0.1	< 0.01

Analyte Symbol	K	La	Li	Mg	Mn	Mo	Nb	Nd	Ni	Pb	Pr	Rb	S	Sb	Si	Sm	Sn	Sr	Ta	Tb	Te	Th	Ti
Unit Symbol	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	0.1	0.4	3	0.01	3	1	2.4	0.4	10	0.8	0.1	0.4	0.01	2	0.01	0.1	0.5	3	0.2	0.1	6	0.1	0.01
Method Code	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2
Method Blank	< 0.1	< 0.4	< 3	< 0.01	6	< 1	< 2.4	< 0.4	10	< 0.8	< 0.1	< 0.4	< 0.01	< 2	< 0.01	< 0.1	< 0.5	7	< 0.2	< 0.1	< 6	< 0.1	< 0.01
Method Blank	< 0.1	0.9	< 3	< 0.01	< 3	< 1	< 2.4	1.1	10	< 0.8	0.1	< 0.4	< 0.01	< 2	< 0.01	< 0.1	1.2	7	< 0.2	< 0.1	< 6	< 0.1	< 0.01
Method Blank	< 0.1	< 0.4	< 3	< 0.01	12	< 1	< 2.4	0.7	20	< 0.8	0.1	< 0.4	< 0.01	< 2	0.01	< 0.1	2.0	13	< 0.2	< 0.1	< 6	< 0.1	< 0.01
Method Blank																							

Analyte Symbol	Tl	Tm	U	V	W	Y	Yb	Zn
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.1	0.1	5	0.7	0.1	0.1	30
Method Code	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
GXR-1 Meas	0.2	0.4	35.5	83	182	30.8	2.4	740
GXR-1 Cert	0.390	0.430	34.9	80.0	164	32.0	1.90	760
GXR-1 Meas	0.2	0.4	33.6	91	181	30.2	2.1	860
GXR-1 Cert	0.390	0.430	34.9	80.0	164	32.0	1.90	760
GXR-1 Meas								
GXR-1 Cert								
GXR-4 Meas	3.1	0.2	6.1	89	34.2	14.7	1.2	60
GXR-4 Cert	3.20	0.210	6.20	87.0	30.8	14.0	1.60	73.0
GXR-4 Meas	3.2	0.2	6.3	92	33.1	14.1	1.1	70
GXR-4 Cert	3.20	0.210	6.20	87.0	30.8	14.0	1.60	73.0
GXR-4 Meas								
GXR-4 Cert								
NIST 696 Meas				353				
NIST 696 Cert				403.0000				
NIST 696 Meas				368				
NIST 696 Cert				403.0000				
NIST 696 Meas				343				
NIST 696 Cert				403.0000				
GBW 07239 (NCSDC 70007) Meas					1030	33.2		110
GBW 07239 (NCSDC 70007) Cert					1000.00	34.2		120.000
GBW 07239 (NCSDC 70007) Meas					1130	35.7		130
GBW 07239 (NCSDC 70007) Cert					1000.00	34.2		120.000
GBW 07239 (NCSDC 70007) Meas					1030	36.3		130
GBW 07239 (NCSDC 70007) Cert					1000.00	34.2		120.000
GBW 07239 (NCSDC 70007) Meas					1070			
GBW 07239 (NCSDC 70007) Cert					1000.00			
MP-1b Meas					1140			
MP-1b Cert					1100.000			
MP-1b Meas								
MP-1b Cert								
MP-1b Meas								

Analyte Symbol	Tl	Tm	U	V	W	Y	Yb	Zn
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.1	0.1	5	0.7	0.1	0.1	30
Method Code	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
MP-1b Cert								
OREAS 101a (Fusion) Meas		2.8	417	76		162	19.0	
OREAS 101a (Fusion) Cert		2.90	422	83		183	17.5	
OREAS 101a (Fusion) Meas		3.2	409	80		180	18.3	
OREAS 101a (Fusion) Cert		2.90	422	83		183	17.5	
OREAS 101a (Fusion) Meas		3.2	434	80		180	17.3	
OREAS 101a (Fusion) Cert		2.90	422	83		183	17.5	
OREAS 13b (fusion) Meas				360				
OREAS 13b (fusion) Cert				330				
OREAS 13b (fusion) Meas				366				
OREAS 13b (fusion) Cert				330				
OREAS 13b (fusion) Meas				291				
OREAS 13b (fusion) Cert				330				
NCS DC86303 Meas					11.7			
NCS DC86303 Cert					8.9			
NCS DC86303 Meas					9.1			
NCS DC86303 Cert					8.9			
NCS DC86303 Meas					9.4			
NCS DC86303 Cert					8.9			
NCS DC86314 Meas					74.2			
NCS DC86314 Cert					79.0			
NCS DC86314 Meas					72.8			
NCS DC86314 Cert					79.0			
NCS DC86314					80.1			

Analyte Symbol	Tl	Tm	U	V	W	Y	Yb	Zn
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.1	0.1	5	0.7	0.1	0.1	30
Method Code	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
Meas								
NCS DC86314 Cert					79.0			
OREAS 922 (Peroxide Fusion) Meas	0.7	0.5	3.3	88		27.4	3.1	240
OREAS 922 (Peroxide Fusion) Cert	0.880	0.510	3.59	92.0		31.1	3.17	277
OREAS 922 (Peroxide Fusion) Meas	0.7	0.5	3.5	95		30.5	2.8	260
OREAS 922 (Peroxide Fusion) Cert	0.880	0.510	3.59	92.0		31.1	3.17	277
OREAS 922 (Peroxide Fusion) Meas								
OREAS 922 (Peroxide Fusion) Cert								
OREAS 621 (Peroxide Fusion) Meas	1.8		2.8	34	2.4	12.0	1.2	> 10000
OREAS 621 (Peroxide Fusion) Cert	1.99		3.00	36.3	2.63	13.9	1.03	52200
OREAS 621 (Peroxide Fusion) Meas	1.9		2.8	34	1.2	13.4	1.1	> 10000
OREAS 621 (Peroxide Fusion) Cert	1.99		3.00	36.3	2.63	13.9	1.03	52200
OREAS 621 (Peroxide Fusion) Meas	2.1		2.8	38	3.9	13.0	1.0	> 10000
OREAS 621 (Peroxide Fusion) Cert	1.99		3.00	36.3	2.63	13.9	1.03	52200
OREAS 621 (Peroxide Fusion) Meas					2.6			
OREAS 621 (Peroxide Fusion) Cert					2.63			
151007 Orig	< 0.1	0.3	< 0.1	270	< 0.7	21.8	1.8	140
151007 Dup	< 0.1	0.3	< 0.1	253	< 0.7	21.9	1.8	140

Analyte Symbol	Tl	Tm	U	V	W	Y	Yb	Zn
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.1	0.1	5	0.7	0.1	0.1	30
Method Code	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
151015 Orig	< 0.1	0.6	0.6	385	< 0.7	34.5	3.3	170
151015 Dup	< 0.1	0.6	0.7	403	< 0.7	34.7	3.3	180
151029 Orig	< 0.1	0.4	< 0.1	290	< 0.7	22.5	2.1	120
151029 Dup	< 0.1	0.4	< 0.1	286	< 0.7	22.7	2.2	130
151037 Orig	< 0.1	2.0	0.8	30	< 0.7	112	12.2	100
151037 Dup	< 0.1	2.1	0.7	31	2.3	112	12.3	100
151050 Orig	< 0.1	0.7	0.4	146	< 0.7	48.9	4.5	170
151050 Split PREP DUP	< 0.1	0.8	0.3	139	1.1	47.3	4.5	170
151050 Orig					257			
151050 Split PREP DUP					10.7			
151051 Orig	< 0.1	0.4	0.1	299	10.8	22.4	2.2	100
151051 Dup	< 0.1	0.4	0.1	296	11.3	22.4	2.2	90
151058 Orig	0.6	0.6	0.3	326	1.0	31.9	3.4	130
151058 Dup	0.6	0.5	0.3	324	< 0.7	31.5	3.3	140
151058 Orig					244			
151058 Dup					8.6			
151108 Orig	< 0.1	0.3	< 0.1	210	3.0	19.9	1.7	130
151108 Dup	< 0.1	0.3	0.1	207	0.8	20.3	1.8	120
151131 Orig	< 0.1	1.1	0.3	23	0.8	68.0	6.5	220
151131 Dup	< 0.1	1.2	0.4	23	< 0.7	66.8	6.6	210
151136 Orig	< 0.1	0.3	0.2	268	< 0.7	16.2	1.7	80
151136 Split PREP DUP	< 0.1	0.3	0.4	280	< 0.7	17.2	1.7	90
151138 Orig	< 0.1	1.4	0.5	110	2.1	81.4	8.6	110
151138 Dup	< 0.1	1.4	0.5	109	1.7	82.2	8.1	110
151152 Orig	0.6	0.4	0.8	225	2.1	25.2	2.1	140
151152 Dup	0.6	0.4	0.8	219	1.5	24.6	2.1	130
151160 Orig	< 0.1	0.3	< 0.1	215	< 0.7	20.4	2.1	130
151160 Dup	< 0.1	0.3	< 0.1	217	< 0.7	20.5	2.0	130
151174 Orig	< 0.1	0.3	0.1	274	< 0.7	19.8	2.4	90
151174 Dup	< 0.1	0.3	0.1	271	< 0.7	19.2	2.3	80
151182 Orig	< 0.1	0.8	0.3	402	< 0.7	42.8	5.2	140
151182 Dup	< 0.1	0.7	0.3	397	4.3	41.8	5.1	140
151186 Orig	< 0.1	0.8	0.4	219	< 0.7	46.3	6.1	130
151186 Split PREP DUP	< 0.1	0.8	0.4	212	< 0.7	47.4	5.7	130
151195 Orig	3.5	0.1	5.9	28	< 0.7	9.9	0.9	70
151195 Dup	3.5	0.1	5.8	27	< 0.7	9.8	0.9	60
151203 Orig	0.5	0.3	0.4	190	< 0.7	17.6	1.7	120
151203 Dup	0.5	0.3	0.4	206	< 0.7	18.3	1.8	110

Analyte Symbol	Tl	Tm	U	V	W	Y	Yb	Zn
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.1	0.1	5	0.7	0.1	0.1	30
Method Code	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
Method Blank	< 0.1	< 0.1	0.2	< 5	< 0.7	< 0.1	< 0.1	< 30
Method Blank								
Method Blank	< 0.1	< 0.1	< 0.1	< 5	0.7	< 0.1	< 0.1	< 30
Method Blank	< 0.1	< 0.1	< 0.1	< 5	3.5	< 0.1	< 0.1	< 30
Method Blank	< 0.1	< 0.1	< 0.1	< 5	< 0.7	< 0.1	< 0.1	< 30
Method Blank	< 0.1	< 0.1	< 0.1	6	< 0.7	< 0.1	< 0.1	< 30
Method Blank	< 0.1	< 0.1	0.1	< 5	< 0.7	0.1	< 0.1	< 30
Method Blank					< 0.7			

Quality Analysis ... *Innovative Technologies*

Date Submitted: 06-Jul-16
Invoice No.: A16-06396
Invoice Date: 10-Aug-16
Your Reference:

International Lithium Corp.
620-650 West Georgia Street
Vancouver B.C. V6B 4N9
Canada

ATTN: John Harrop

CERTIFICATE OF ANALYSIS

196 Rock and Soil samples were submitted for analysis.

The following analytical package(s) were requested: Code UT-7 Sodium Peroxide Fusion (ICP & ICPMS)

REPORT **A16-06396**

Notes:

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

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Analyte Symbol	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	Fe	Ga	Gd	Ge	Ho	Hf	In
Unit Symbol	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	5	10	3	3	2	0.01	2	0.8	0.2	30	0.1	2	0.3	0.1	0.1	0.05	0.2	0.1	0.7	0.2	10	0.2
Method Code	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
1607701	7.50	< 5	< 10	81	< 3	< 2	6.62	< 2	9.9	46.1	80	3.4	51	5.3	3.5	1.2	12.1	21.2	3.9	4.6	1.2	< 10	< 0.2
1607702	8.13	< 5	40	39	< 3	< 2	5.50	< 2	6.5	49.9	60	5.7	29	4.0	2.7	0.9	9.07	18.2	2.9	3.5	0.9	< 10	< 0.2
1607703	6.65	8	< 10	144	< 3	< 2	4.67	< 2	6.2	44.8	< 30	177	8	6.7	4.4	1.8	15.1	23.6	5.0	4.7	1.5	< 10	< 0.2
1607704	6.83	< 5	< 10	45	< 3	< 2	4.46	< 2	29.5	16.5	< 30	1.6	15	12.1	8.1	2.6	11.0	28.3	9.1	4.0	2.8	< 10	< 0.2
1607705	7.14	< 5	< 10	44	< 3	< 2	6.28	< 2	3.3	50.1	< 30	3.3	27	3.7	3.3	0.6	10.6	14.5	2.9	5.0	1.0	< 10	< 0.2
1607706	7.03	< 5	< 10	34	< 3	< 2	5.28	< 2	4.2	43.0	< 30	1.8	12	3.8	3.4	0.5	10.9	14.7	2.1	4.1	1.0	< 10	< 0.2
1607707	7.22	< 5	40	116	< 3	< 2	6.22	< 2	7.5	45.4	90	2.8	45	5.3	3.6	1.2	12.2	20.1	4.1	4.6	1.2	< 10	< 0.2
1607708	7.34	< 5	< 10	69	< 3	< 2	5.75	< 2	10.5	50.4	90	7.5	29	5.1	3.5	1.3	11.4	24.8	4.3	4.4	1.2	< 10	< 0.2
1607709	7.70	< 5	< 10	154	< 3	< 2	5.82	< 2	7.1	49.4	< 30	7.1	35	4.4	3.6	0.7	10.5	18.1	2.7	3.7	1.1	< 10	< 0.2
1607710	7.29	< 5	< 10	116	< 3	< 2	4.30	< 2	12.9	33.5	50	8.4	21	6.1	3.7	1.4	10.5	20.0	4.8	3.8	1.4	< 10	< 0.2
1607711	8.21	< 5	< 10	266	< 3	< 2	4.96	< 2	16.6	49.9	130	8.8	75	5.4	3.5	1.4	10.1	24.0	4.3	3.3	1.2	< 10	< 0.2
1607712	7.38	< 5	< 10	36	< 3	< 2	9.65	< 2	8.0	52.6	< 30	3.2	101	4.0	3.2	0.7	9.16	16.4	2.5	3.7	1.0	< 10	< 0.2
1607713	7.02	< 5	< 10	45	< 3	< 2	8.67	< 2	12.7	72.1	40	0.8	47	5.2	3.9	1.1	12.1	17.5	3.7	4.5	1.3	< 10	< 0.2
1607714	7.85	< 5	< 10	63	< 3	< 2	7.32	< 2	8.4	53.8	< 30	0.3	37	4.7	3.9	0.9	10.1	20.6	3.1	3.9	1.2	< 10	< 0.2
1607715	7.64	< 5	< 10	87	< 3	< 2	5.12	< 2	6.6	49.3	< 30	5.7	41	5.4	4.4	1.0	11.8	18.5	3.3	3.6	1.4	< 10	< 0.2
1607716	7.88	< 5	< 10	76	< 3	< 2	6.72	< 2	5.8	51.0	< 30	3.1	35	4.9	4.0	0.9	11.2	20.8	3.1	3.0	1.2	< 10	< 0.2
1607717	8.49	< 5	< 10	238	< 3	< 2	7.24	< 2	9.7	45.2	110	3.2	111	4.2	3.1	0.7	9.45	17.4	2.8	2.8	1.1	< 10	< 0.2
1607718	6.72	< 5	< 10	607	12	< 2	8.14	< 2	14.6	40.8	< 30	9.8	10	7.2	5.0	1.6	12.0	22.8	5.1	4.7	1.7	< 10	< 0.2
1607719	5.98	< 5	< 10	111	< 3	< 2	2.78	4	55.5	6.7	< 30	15.0	22	19.3	14.0	2.4	4.84	26.8	13.8	0.8	4.7	< 10	0.5
1607720	7.19	< 5	< 10	72	< 3	< 2	7.58	< 2	38.9	48.0	510	40.7	53	3.3	1.8	1.4	5.93	16.4	4.0	2.4	0.7	< 10	< 0.2
1607721	7.80	< 5	50	234	< 3	< 2	6.52	< 2	43.6	46.7	380	173	48	3.5	2.1	1.5	7.54	18.2	4.3	1.8	0.7	< 10	< 0.2
1607722	6.97	< 5	670	38	5	< 2	14.6	< 2	39.9	17.9	< 30	35.3	8	2.5	1.4	1.2	5.32	17.0	3.5	3.9	0.5	< 10	< 0.2
1607723	7.03	71	< 10	55	< 3	< 2	5.78	< 2	6.5	53.7	220	12.5	21	4.0	3.0	1.1	12.1	21.1	3.4	4.0	1.0	< 10	0.5
1607724	7.28	< 5	< 10	344	< 3	< 2	6.24	3	37.8	37.2	330	32.4	29	3.2	1.8	1.5	9.14	17.8	4.2	1.4	0.6	< 10	< 0.2
1607725	7.97	< 5	30	188	< 3	< 2	6.06	< 2	44.7	46.9	440	14.8	31	3.6	2.2	1.7	6.85	18.3	4.8	2.4	0.7	< 10	< 0.2
1607726	7.88	18	< 10	395	< 3	< 2	7.82	< 2	47.6	30.7	80	24.4	43	3.4	2.0	1.6	6.46	19.3	4.4	1.7	0.7	< 10	< 0.2
1607727	7.50	5	100	148	4	< 2	9.17	< 2	51.8	42.2	430	43.7	43	3.5	2.0	1.7	7.17	18.3	4.8	2.4	0.7	< 10	< 0.2
1607728	6.87	< 5	< 10	77	3	< 2	8.66	< 2	43.8	38.7	330	1.9	36	3.0	1.7	1.3	5.13	14.2	4.2	1.4	0.6	< 10	< 0.2
1607729	7.80	5	< 10	76	< 3	< 2	5.15	< 2	18.9	45.4	430	5.7	23	2.6	1.6	1.0	6.94	17.5	2.7	2.0	0.5	< 10	< 0.2
1607730	8.64	< 5	10	45	< 3	< 2	6.61	< 2	16.9	43.5	180	4.5	43	3.0	1.8	1.0	8.02	18.5	3.0	3.0	0.6	< 10	< 0.2
1607731	6.06	< 5	< 10	320	< 3	< 2	1.59	< 2	61.0	3.5	< 30	58.5	7	16.4	11.4	3.3	7.58	30.6	13.7	2.0	3.9	< 10	< 0.2
1607732	6.11	< 5	170	201	< 3	< 2	5.07	< 2	56.4	9.9	< 30	45.5	5	15.5	10.4	3.0	6.63	28.1	13.2	2.2	3.6	< 10	< 0.2
1607733	7.60	< 5	< 10	202	< 3	< 2	5.19	< 2	7.9	39.3	30	27.3	26	5.1	3.4	1.3	11.3	23.4	4.1	3.4	1.2	< 10	< 0.2
1607734	5.97	< 5	< 10	169	< 3	< 2	2.15	2	46.8	9.6	< 30	73.8	16	12.1	8.7	2.2	5.74	25.7	10.0	1.7	2.9	10	< 0.2
1607735	8.16	5	< 10	374	< 3	< 2	4.73	< 2	38.0	40.0	110	13.6	42	2.8	1.7	1.1	6.81	16.8	3.2	2.0	0.6	< 10	< 0.2
1607736	8.96	< 5	< 10	376	< 3	< 2	6.51	< 2	18.1	57.4	220	39.1	18	3.6	2.4	1.3	7.50	23.5	4.1	0.7	0.8	< 10	< 0.2
1607737	6.91	< 5	< 10	43	< 3	< 2	5.37	< 2	33.7	26.2	< 30	14.2	54	11.1	7.4	2.1	7.90	26.7	9.7	2.5	2.6	< 10	< 0.2
1607738	5.94	5	< 10	126	< 3	< 2	2.02	< 2	60.3	7.4	< 30	14.8	8	17.7	11.7	3.1	6.24	24.3	14.3	1.7	4.1	10	< 0.2
1607739	6.11	7	< 10	520	< 3	< 2	2.70	< 2	127	14.7	< 30	41.9	53	21.7	13.7	5.8	7.74	30.1	21.5	1.6	4.9	10	< 0.2
1607740	8.42	< 5	< 10	376	< 3	< 2	6.58	< 2	20.1	43.3	190	6.0	48	3.1	1.9	1.2	7.45	17.8	3.4	1.7	0.7	< 10	< 0.2
1607741	6.80	< 5	< 10	224	< 3	< 2	6.87	< 2	171	36.3	370	12.2	70	5.3	2.2	5.1	6.30	17.4	13.1	1.0	0.9	< 10	< 0.2
1607742	7.36	< 5	< 10	255	< 3	< 2	7.04	< 2	31.2	47.9	380	24.9	46	2.9	1.7	1.2	7.30	15.5	3.6	1.8	0.6	< 10	< 0.2
1607743	7.75	< 5	< 10	52	< 3	< 2	8.28	< 2	28.9	42.4	260	1.2	38	3.2	2.0	1.2	7.19	18.1	3.4	2.4	0.7	< 10	< 0.2
1607744	8.15	< 5	< 10	72	< 3	< 2	5.04	< 2	45.6	42.9	190	5.2	58	3.9	2.3	1.8	7.61	21.2	5.3	3.0	0.8	< 10	< 0.2
1607745	8.11	< 5	< 10	84	< 3	< 2	6.19	< 2	40.9	50.1	390	21.5	42	3.5	1.9	1.6	6.20	17.8	4.5	1.4	0.7	< 10	< 0.2
1607746	6.92	48	60	94	< 3	< 2	6.88	< 2	107	48.6	260	8.1	4	5.0	2.4	3.5	8.14	17.7	9.5	2.3	0.9	< 10	< 0.2
1607747	7.81	< 5	< 10	76	< 3	< 2	6.58	< 2	37.3	49.0	620	4.1	6	3.8	2.0	1.6	7.67	18.6	4.6	1.7	0.7	< 10	< 0.2

Analyte Symbol	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	Fe	Ga	Gd	Ge	Ho	Hf	In
Unit Symbol	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	5	10	3	3	2	0.01	2	0.8	0.2	30	0.1	2	0.3	0.1	0.1	0.05	0.2	0.1	0.7	0.2	10	0.2
Method Code	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
1607748	8.66	< 5	< 10	136	< 3	< 2	6.23	< 2	35.5	47.8	590	12.5	13	3.3	2.0	1.4	5.25	17.9	4.0	< 0.7	0.7	< 10	< 0.2
1607749	7.41	< 5	< 10	164	< 3	< 2	8.96	< 2	66.4	27.8	120	2.9	48	3.5	1.8	1.9	6.29	18.0	5.5	1.4	0.7	< 10	< 0.2
1607750	7.65	< 5	< 10	252	< 3	< 2	5.95	< 2	5.2	51.0	190	18.8	23	4.5	3.0	1.3	11.8	21.3	3.6	3.3	1.0	< 10	< 0.2
1607751	7.05	< 5	< 10	20	< 3	< 2	5.51	< 2	6.3	53.3	80	7.1	28	5.3	3.4	1.3	12.0	20.7	4.1	3.9	1.3	< 10	< 0.2
1607752	7.91	< 5	390	160	13	< 2	7.41	< 2	39.0	48.4	340	287	6	3.2	2.0	1.4	7.45	18.2	3.8	3.0	0.7	< 10	< 0.2
1607753	8.45	74	< 10	114	7	3	7.26	< 2	50.8	47.3	410	249	50	3.4	2.0	1.6	7.23	19.8	4.6	2.7	0.7	< 10	0.9
1607754	8.84	< 5	< 10	256	7	< 2	6.27	2	41.6	52.0	640	179	32	3.4	2.1	1.6	5.83	21.2	4.5	2.2	0.7	< 10	< 0.2
1607755	5.83	< 5	< 10	154	< 3	< 2	2.16	< 2	43.0	11.1	< 30	32.1	4	15.5	12.9	2.1	6.94	23.9	9.5	2.0	4.1	10	< 0.2
1607756	7.65	7	2230	67	37	30	7.26	< 2	7.7	48.9	590	10.5	52	2.8	2.0	0.7	7.19	18.1	2.1	5.6	0.6	< 10	< 0.2
1607757	7.69	< 5	< 10	38	< 3	< 2	9.13	< 2	9.3	50.8	320	14.5	38	2.2	1.5	0.6	5.86	15.2	1.8	2.1	0.5	< 10	< 0.2
1607758	7.48	< 5	390	120	< 3	< 2	7.04	< 2	3.6	43.3	450	94.0	29	2.1	1.5	0.5	7.21	13.8	1.5	2.2	0.5	< 10	< 0.2
1607759	6.43	< 5	110	23	< 3	< 2	7.62	< 2	4.7	64.3	570	343	39	2.0	1.4	0.4	9.47	12.5	1.4	3.4	0.4	< 10	< 0.2
1607760	7.08	< 5	< 10	17	< 3	< 2	6.36	< 2	5.3	48.7	< 30	2.7	19	2.8	2.1	0.7	10.2	15.8	2.1	3.2	0.7	< 10	< 0.2
1607761	8.10	< 5	2830	135	34	< 2	5.99	< 2	18.6	31.6	50	7.8	76	7.8	5.2	1.6	10.9	25.4	5.9	6.7	1.8	< 10	0.2
1607762	7.05	< 5	120	39	< 3	< 2	5.61	< 2	29.1	67.6	40	3.6	40	7.0	4.5	1.7	10.3	21.2	6.0	3.0	1.6	< 10	< 0.2
1607763	6.08	< 5	200	104	4	< 2	7.36	< 2	21.1	58.3	50	15.1	31	6.7	4.6	1.6	14.3	20.3	5.1	5.3	1.5	< 10	< 0.2
1607764	6.65	15	70	33	< 3	< 2	5.89	< 2	17.4	51.0	30	405	82	6.9	4.7	1.5	12.7	20.5	5.4	3.8	1.6	< 10	< 0.2
1607765	8.61	< 5	790	20	179	< 2	0.80	< 2	2.7	4.5	< 30	119	9	0.6	0.4	0.1	1.41	54.6	0.5	5.2	< 0.2	< 10	< 0.2
1607766	3.71	6	< 10	16	< 3	< 2	4.43	2	4.8	79.5	2840	3.7	34	0.9	0.6	0.3	8.73	7.6	0.7	3.0	< 0.2	< 10	< 0.2
1607767	7.21	< 5	10	15	< 3	< 2	6.95	< 2	4.4	54.6	< 30	3.2	< 2	3.0	2.1	0.7	9.83	16.8	2.1	2.6	0.7	< 10	< 0.2
1607768	7.30	< 5	1810	106	19	< 2	6.92	< 2	2.6	44.9	980	20.4	21	1.4	1.0	0.3	7.47	15.3	1.1	3.8	0.3	< 10	< 0.2
1607769	6.93	< 5	60	103	< 3	< 2	5.17	< 2	3.3	51.3	600	33.7	38	1.6	1.0	0.3	7.32	12.2	1.2	1.6	0.4	< 10	< 0.2
1607770	7.34	< 5	< 10	18	< 3	< 2	6.07	< 2	3.5	47.9	30	14.1	44	2.7	2.0	0.6	9.06	16.4	2.1	3.6	0.6	< 10	< 0.2
1607801	6.50	< 5	30	658	< 3	< 2	1.99	< 2	24.1	9.3	30	5.3	11	1.6	1.0	0.7	2.71	18.2	2.1	1.7	0.3	< 10	< 0.2
1607802	7.23	< 5	20	584	< 3	< 2	1.97	< 2	28.9	14.3	40	10.4	13	1.8	1.1	0.8	3.48	18.2	2.3	0.7	0.3	< 10	< 0.2
1607803	7.34	< 5	90	608	< 3	< 2	2.41	< 2	36.1	17.8	70	10.0	23	1.9	1.1	1.0	4.37	19.1	2.7	2.1	0.4	< 10	< 0.2
1607804	6.90	< 5	20	555	< 3	< 2	2.32	< 2	86.8	11.5	40	4.3	20	3.3	1.9	1.7	2.98	16.9	5.4	2.4	0.7	< 10	< 0.2
1607805	6.50	< 5	10	508	< 3	< 2	1.49	< 2	102	6.5	60	5.0	63	3.0	1.6	1.8	1.76	16.3	6.0	1.1	0.6	< 10	< 0.2
1607806	7.26	12	20	720	3	< 2	2.50	< 2	32.9	11.4	< 30	4.4	23	1.8	1.0	1.1	2.94	16.4	2.6	1.8	0.3	< 10	< 0.2
1607807	7.49	< 5	20	672	< 3	< 2	2.35	< 2	36.3	11.7	70	4.6	19	2.0	1.1	1.0	3.12	17.0	2.8	1.1	0.3	< 10	< 0.2
1607808	6.56	< 5	20	471	< 3	< 2	2.22	< 2	43.2	14.8	130	14.3	24	2.5	1.4	1.2	3.61	17.7	3.5	0.9	0.5	< 10	< 0.2
1607809	6.76	< 5	20	472	< 3	< 2	1.84	< 2	31.1	11.5	100	24.8	30	2.0	1.3	0.8	3.29	18.1	2.6	1.4	0.4	< 10	< 0.2
1607810	7.26	< 5	< 10	530	< 3	< 2	1.95	< 2	32.0	15.0	70	10.8	34	1.7	1.1	0.8	3.51	17.2	2.3	1.7	0.3	< 10	< 0.2
1607811	6.99	< 5	20	673	< 3	< 2	1.93	< 2	32.9	10.8	60	7.9	11	1.7	1.0	0.8	3.13	18.2	2.2	0.9	0.4	< 10	< 0.2
1607812	7.36	< 5	< 10	539	< 3	< 2	1.69	< 2	29.1	13.0	50	9.7	10	1.7	1.0	0.7	3.00	17.2	2.1	< 0.7	0.3	< 10	< 0.2
1607813	7.37	< 5	10	851	< 3	< 2	2.21	< 2	27.1	12.9	40	5.7	7	1.6	0.9	0.9	3.50	18.1	2.1	< 0.7	0.3	< 10	< 0.2
1607814	7.19	< 5	< 10	712	< 3	< 2	2.01	< 2	33.3	10.4	< 30	7.4	14	1.7	1.0	0.8	3.51	18.5	2.3	1.1	0.3	< 10	< 0.2
1607815	7.24	< 5	< 10	653	< 3	< 2	2.18	< 2	33.8	9.1	< 30	4.1	20	1.8	1.0	1.0	2.21	15.8	2.7	1.0	0.3	< 10	< 0.2
1607816	7.08	< 5	10	601	< 3	< 2	2.11	< 2	25.6	11.5	40	7.3	6	1.5	0.9	0.8	3.26	17.7	2.0	1.0	0.3	< 10	< 0.2
1607817	7.23	< 5	20	625	< 3	< 2	1.99	< 2	25.9	12.7	70	6.0	3	1.6	1.0	0.7	2.77	17.8	1.9	1.1	0.3	< 10	< 0.2
1607818	7.72	< 5	20	645	< 3	< 2	2.21	< 2	51.2	14.6	50	5.0	14	2.0	1.1	0.9	2.79	17.0	2.9	< 0.7	0.4	< 10	< 0.2
1607819	7.21	9	< 10	511	< 3	< 2	1.83	< 2	27.6	15.2	50	5.6	8	1.5	0.9	0.7	2.80	16.7	2.1	3.7	0.3	< 10	< 0.2
1607820	7.04	< 5	< 10	584	< 3	< 2	1.87	< 2	29.6	12.1	50	6.3	7	1.7	1.0	0.8	2.63	17.6	2.2	< 0.7	0.3	< 10	< 0.2
1607821	7.13	< 5	10	645	< 3	< 2	1.96	3	25.1	13.8	40	5.0	10	1.5	0.9	0.7	2.57	16.4	1.8	< 0.7	0.3	< 10	< 0.2
1607822	7.38	< 5	< 10	599	< 3	< 2	2.07	< 2	45.0	12.4	50	5.8	11	1.8	0.9	0.9	2.53	16.8	2.4	< 0.7	0.3	< 10	< 0.2
1607823	6.98	< 5	10	507	< 3	< 2	1.86	< 2	29.8	10.3	50	4.0	24	1.9	1.1	0.8	2.22	15.5	2.5	< 0.7	0.3	< 10	< 0.2
1607824	7.33	< 5	20	568	< 3	< 2	2.20	< 2	39.3	11.5	70	4.6	19	1.4	1.0	0.8	2.85	16.8	2.0	< 0.7	0.3	< 10	< 0.2

Analyte Symbol	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	Fe	Ga	Gd	Ge	Ho	Hf	In
Unit Symbol	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	5	10	3	3	2	0.01	2	0.8	0.2	30	0.1	2	0.3	0.1	0.1	0.05	0.2	0.1	0.7	0.2	10	0.2
Method Code	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
1607825	7.26	< 5	10	658	< 3	< 2	2.33	< 2	50.0	11.5	160	4.2	15	1.7	1.1	0.9	2.50	16.7	2.0	< 0.7	0.3	< 10	< 0.2
1607826	7.31	< 5	< 10	652	< 3	< 2	2.17	< 2	43.6	12.5	40	5.9	18	1.6	0.9	0.8	2.48	16.9	2.0	1.1	0.3	< 10	< 0.2
1607827	7.52	< 5	< 10	659	< 3	< 2	2.13	< 2	46.9	13.4	50	7.2	18	1.6	1.0	0.9	2.74	18.1	2.4	< 0.7	0.4	< 10	< 0.2
1607828	6.91	< 5	< 10	631	< 3	< 2	1.95	< 2	41.9	18.1	40	10.8	12	1.8	1.2	0.8	2.34	17.1	2.2	< 0.7	0.3	< 10	< 0.2
128151	7.60	< 5	< 10	141	< 3	< 2	5.94	< 2	12.4	39.2	140	7.6	25	4.0	2.2	1.4	10.0	19.1	4.0	5.1	0.8	< 10	< 0.2
128152	6.87	< 5	< 10	43	21	8	9.76	< 2	13.7	20.8	110	1.2	38	4.4	3.0	1.0	6.75	24.2	3.6	5.4	1.0	< 10	< 0.2
128153	8.23	< 5	< 10	455	< 3	< 2	5.94	< 2	18.2	39.0	490	8.2	20	3.5	2.0	1.6	5.29	18.1	4.2	1.0	0.7	< 10	< 0.2
128154	6.72	< 5	150	36	< 3	< 2	4.93	< 2	70.1	40.3	< 30	32.7	11	10.7	7.3	2.2	11.4	26.8	8.9	3.2	2.5	< 10	< 0.2
128155	8.10	< 5	60	478	44	< 2	6.58	< 2	156	48.8	210	356	20	5.2	2.6	3.0	8.21	28.0	8.9	2.6	1.0	< 10	< 0.2
128156	6.18	< 5	< 10	118	46	5	15.0	< 2	47.0	59.6	590	1.4	33	4.3	2.5	2.0	8.85	20.3	5.6	6.7	0.9	< 10	< 0.2
128157	6.62	< 5	< 10	52	18	< 2	11.1	< 2	33.2	56.5	530	9.8	11	3.9	2.2	1.7	8.32	18.7	4.8	3.4	0.8	< 10	< 0.2
128158	8.19	< 5	< 10	138	11	< 2	8.44	< 2	24.3	32.9	300	43.0	18	2.9	1.7	1.1	6.61	20.5	3.1	2.8	0.6	< 10	< 0.2
128159	6.09	< 5	< 10	246	< 3	< 2	3.21	< 2	50.3	5.3	< 30	10.3	< 2	15.1	11.8	2.8	8.01	27.7	11.2	2.4	3.7	< 10	< 0.2
128160	5.88	< 5	< 10	93	< 3	< 2	6.26	< 2	22.9	33.2	< 30	1.2	22	7.0	4.5	1.5	13.2	23.4	5.5	4.0	1.6	< 10	< 0.2
128161	6.50	< 5	20	30	15	< 2	7.31	< 2	15.4	36.8	< 30	34.8	12	7.0	4.3	1.8	13.1	26.7	5.8	7.0	1.6	< 10	< 0.2
128162	6.74	< 5	20	64	< 3	< 2	7.40	< 2	30.7	28.2	< 30	6.2	29	9.4	5.7	2.6	12.2	25.8	8.7	5.4	2.1	< 10	< 0.2
128163	5.70	< 5	580	51	12	< 2	5.70	< 2	16.5	40.1	480	289	15	2.9	1.6	1.1	7.08	14.7	3.1	3.7	0.6	< 10	< 0.2
128164	7.23	< 5	< 10	120	< 3	< 2	8.51	< 2	29.6	39.8	270	3.5	38	3.1	1.9	1.2	8.59	17.9	3.4	3.9	0.6	< 10	< 0.2
128165	7.42	< 5	< 10	70	< 3	< 2	6.17	< 2	36.1	29.6	100	5.3	68	3.7	2.1	1.6	6.47	20.1	4.5	3.4	0.8	< 10	< 0.2
128166	8.02	< 5	< 10	61	< 3	< 2	5.29	< 2	18.1	38.1	270	53.8	8	3.5	1.9	1.3	6.05	18.9	4.2	2.9	0.7	< 10	< 0.2
128167	6.92	< 5	330	283	21	< 2	4.49	< 2	9.4	41.3	40	633	7	5.8	3.8	1.5	11.5	26.8	5.0	6.2	1.3	< 10	< 0.2
128168	7.50	< 5	< 10	24	< 3	< 2	8.68	< 2	21.0	38.3	< 30	2.0	33	6.3	4.2	1.4	12.0	26.3	5.4	5.3	1.4	< 10	< 0.2
128169	6.83	739	230	58	< 3	< 2	6.26	< 2	12.2	53.9	70	14.1	81	4.8	3.1	1.2	11.6	20.9	3.9	5.3	1.1	< 10	0.9
128170	6.31	< 5	< 10	14	< 3	< 2	2.06	< 2	21.1	11.8	< 30	1.7	6	11.5	8.6	1.5	6.37	25.9	6.7	3.9	2.8	< 10	< 0.2
128171	8.63	< 5	1800	71	< 3	< 2	7.01	< 2	12.7	51.2	100	4.2	< 2	4.6	2.5	1.4	10.6	24.3	4.5	5.8	0.9	< 10	< 0.2
128172	6.16	< 5	320	36	< 3	< 2	1.94	< 2	15.0	8.1	< 30	7.3	< 2	16.2	12.7	1.6	6.70	28.1	8.0	4.2	4.1	< 10	< 0.2
128173	6.29	< 5	200	52	< 3	< 2	2.00	< 2	27.8	9.0	< 30	2.4	< 2	13.2	10.7	1.5	6.71	27.3	7.3	3.6	3.4	< 10	< 0.2
128174	5.63	< 5	190	75	< 3	< 2	2.26	< 2	25.7	5.6	< 30	10.0	< 2	16.3	12.9	1.8	4.83	28.3	9.0	4.0	4.1	< 10	< 0.2
128175	7.24	< 5	3570	157	4	< 2	5.92	< 2	27.1	26.9	< 30	27.0	23	9.1	6.0	1.8	14.3	27.1	6.8	6.0	2.1	< 10	< 0.2
128176	6.85	< 5	240	369	< 3	< 2	4.16	< 2	17.1	27.9	60	38.1	20	5.8	3.8	1.5	9.73	22.8	4.8	4.3	1.4	< 10	0.3
128177	7.29	< 5	130	94	< 3	< 2	8.55	< 2	16.8	51.8	< 30	2.0	138	5.6	4.2	1.0	12.7	20.0	3.7	5.7	1.4	< 10	< 0.2
128178	6.96	< 5	80	35	< 3	< 2	6.00	< 2	16.1	31.3	< 30	14.8	7	7.9	5.2	1.6	10.1	24.1	5.8	5.5	1.8	< 10	< 0.2
128179	6.60	< 5	70	64	< 3	< 2	5.95	< 2	16.6	40.9	< 30	2.5	12	8.1	5.2	1.6	11.3	21.6	6.0	5.2	1.8	< 10	< 0.2
128180	6.55	< 5	60	53	< 3	< 2	6.59	< 2	15.8	47.5	< 30	6.3	49	6.8	4.4	1.3	12.0	19.3	5.4	5.1	1.5	< 10	< 0.2
128181	8.12	< 5	50	30	< 3	< 2	7.34	< 2	4.3	45.0	560	19.5	76	1.4	1.0	0.3	6.81	13.1	1.0	4.1	0.3	< 10	< 0.2
128182	8.49	< 5	2550	121	< 3	< 2	7.05	< 2	16.5	52.0	100	21.9	34	6.5	4.4	1.4	12.6	22.6	5.1	1.5	1.5	< 10	< 0.2
128183	6.73	< 5	20	34	< 3	< 2	5.50	< 2	23.6	53.3	60	1.7	99	7.2	4.9	1.7	12.6	20.7	6.8	1.8	1.7	< 10	< 0.2
128184	7.37	< 5	240	53	8	8	7.42	< 2	15.1	40.0	130	3.9	68	5.7	4.0	1.5	10.7	22.4	5.5	2.1	1.3	< 10	< 0.2
128185	7.58	< 5	< 10	83	< 3	< 2	4.59	< 2	14.2	31.8	140	3.4	72	5.2	3.6	1.4	8.01	20.6	5.1	< 0.7	1.2	< 10	< 0.2
128186	5.67	< 5	50	115	< 3	< 2	1.03	< 2	34.4	2.5	< 30	12.9	< 2	15.1	11.3	2.0	1.82	24.4	9.8	< 0.7	3.5	10	< 0.2
128187	6.73	< 5	< 10	30	< 3	< 2	4.56	< 2	19.6	46.5	30	11.2	93	7.7	4.7	1.7	13.4	22.4	7.0	2.2	1.6	< 10	< 0.2
128188	6.98	< 5	< 10	115	< 3	< 2	5.93	< 2	31.0	24.7	40	2.4	30	9.5	6.7	2.1	11.3	20.8	9.1	< 0.7	2.2	< 10	< 0.2
128189	7.01	< 5	70	346	5	< 2	5.13	< 2	12.8	32.1	80	275	63	6.6	5.3	1.2	13.9	23.5	5.0	2.3	1.6	< 10	< 0.2
128190	6.30	< 5	20	19	< 3	< 2	3.64	< 2	40.0	9.0	30	3.8	15	16.2	12.3	2.3	7.81	26.6	12.6	1.4	4.0	10	< 0.2
128191	8.01	< 5	< 10	46	< 3	< 2	7.11	< 2	11.4	46.2	130	2.3	10	3.8	2.3	1.3	8.90	19.1	4.3	1.6	0.8	< 10	< 0.2
128192	6.86	< 5	< 10	109	25	3	9.15	< 2	18.2	56.3	90	4.3	89	5.9	4.2	1.4	14.2	20.4	5.8	5.0	1.4	< 10	< 0.2
128193	7.78	< 5	270	41	< 3	< 2	5.99	< 2	10.3	42.9	170	3.7	50	4.8	2.5	1.5	9.66	19.4	4.9	1.7	0.9	< 10	< 0.2

Analyte Symbol	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	Fe	Ga	Gd	Ge	Ho	Hf	In
Unit Symbol	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	5	10	3	3	2	0.01	2	0.8	0.2	30	0.1	2	0.3	0.1	0.1	0.05	0.2	0.1	0.7	0.2	10	0.2
Method Code	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
128194	7.79	< 5	80	36	< 3	< 2	6.92	< 2	19.7	35.0	200	1.6	33	4.8	2.7	1.5	9.16	19.3	5.2	1.0	0.9	< 10	< 0.2
128195	9.00	< 5	20	19	48	< 2	0.10	< 2	< 0.8	0.9	< 30	87.8	< 2	< 0.3	< 0.1	< 0.1	0.69	62.0	< 0.1	3.9	< 0.2	< 10	< 0.2
128196	7.01	< 5	< 10	50	< 3	< 2	6.31	< 2	10.4	47.0	50	3.9	74	7.2	4.5	1.3	13.0	24.6	6.2	2.1	1.6	< 10	< 0.2
128197	7.39	< 5	110	55	< 3	< 2	5.49	< 2	4.5	53.4	130	206	25	4.6	2.7	1.1	12.1	20.4	4.3	2.2	1.0	< 10	< 0.2
128198	7.63	< 5	< 10	345	< 3	< 2	6.02	< 2	56.1	18.8	200	21.7	23	4.0	2.1	1.9	7.52	17.8	4.8	0.9	0.7	< 10	< 0.2
128199	8.94	8	< 10	5	113	< 2	0.11	< 2	0.9	0.2	< 30	13.9	< 2	< 0.3	< 0.1	< 0.1	0.23	45.5	0.2	3.8	< 0.2	< 10	0.7
128200	9.38	< 5	> 10000	108	21	< 2	5.49	< 2	24.2	29.5	140	720	18	3.3	2.0	1.3	6.41	37.8	3.9	3.1	0.7	< 10	< 0.2
128201	8.30	< 5	50	164	< 3	< 2	6.06	< 2	14.1	35.7	140	58.7	27	4.2	2.3	1.3	7.37	19.8	4.6	1.1	0.8	< 10	< 0.2
128202	8.01	< 5	30	7	204	< 2	0.02	< 2	< 0.8	0.5	< 30	91.0	18	< 0.3	< 0.1	< 0.1	0.23	46.2	< 0.1	3.6	< 0.2	< 10	< 0.2
128203	8.40	< 5	< 10	213	< 3	< 2	3.55	< 2	19.7	29.3	270	11.1	34	2.3	1.3	1.0	5.00	16.2	2.6	0.9	0.5	< 10	< 0.2
128204	6.80	< 5	< 10	307	4	< 2	5.32	< 2	12.6	34.6	30	73.3	29	7.1	4.9	1.7	12.8	24.8	7.1	3.1	1.7	< 10	< 0.2
128205	8.04	< 5	40	5	308	3	0.02	< 2	< 0.8	0.4	< 30	67.8	< 2	< 0.3	< 0.1	< 0.1	0.51	74.0	0.1	3.9	< 0.2	< 10	< 0.2
128206	8.18	< 5	< 10	30	< 3	< 2	6.43	< 2	11.3	36.1	160	1.9	33	4.2	2.3	1.3	8.75	19.0	4.6	2.4	0.8	< 10	< 0.2
128207	6.00	< 5	< 10	106	< 3	< 2	1.81	< 2	21.7	6.3	< 30	15.5	9	14.4	13.0	1.4	5.88	26.4	7.2	1.6	3.8	10	< 0.2
128208	8.65	< 5	10	332	< 3	< 2	6.09	< 2	31.9	34.2	140	10.2	36	2.9	1.8	1.2	6.33	16.3	3.6	4.5	0.6	< 10	< 0.2
128209	7.86	< 5	< 10	128	< 3	< 2	6.96	< 2	21.4	40.2	240	8.3	28	3.5	2.2	1.1	7.47	17.0	3.5	1.7	0.8	< 10	< 0.2
128210	7.84	< 5	< 10	72	< 3	< 2	7.18	< 2	16.9	42.7	150	1.4	47	4.6	2.5	1.5	10.0	19.9	5.1	2.1	0.9	< 10	< 0.2
128211	7.28	< 5	470	282	3	< 2	6.83	< 2	13.7	45.4	290	112	42	4.4	2.4	1.5	9.91	17.5	4.8	2.7	0.9	< 10	< 0.2
128212	7.19	< 5	70	297	4	< 2	2.65	< 2	69.1	5.8	< 30	114	3	20.5	14.6	2.7	3.65	29.7	15.1	< 0.7	4.6	20	< 0.2
128213	7.24	< 5	< 10	48	< 3	< 2	7.03	< 2	18.1	33.4	40	1.7	29	7.3	5.6	1.7	12.1	24.0	6.6	2.9	1.8	< 10	< 0.2
128214	7.03	< 5	< 10	99	< 3	< 2	5.72	< 2	15.5	38.3	80	3.8	38	7.5	5.4	1.5	11.4	23.7	6.4	1.7	1.8	10	< 0.2
128215	7.41	82	< 10	83	< 3	< 2	5.08	< 2	8.8	35.2	120	11.2	28	6.6	4.3	1.4	7.48	21.4	5.5	1.7	1.4	< 10	0.9
128216	7.28	< 5	110	60	< 3	< 2	7.00	< 2	12.2	37.5	120	10.5	23	6.2	5.0	1.3	14.3	21.6	5.4	3.4	1.6	< 10	< 0.2
128217	6.63	< 5	140	179	< 3	< 2	4.95	< 2	17.2	34.9	30	26.8	25	10.7	8.3	1.6	21.0	22.6	9.0	4.4	2.7	< 10	< 0.2
128218	5.99	< 5	< 10	244	< 3	< 2	6.65	< 2	13.0	29.8	60	11.9	20	6.7	5.1	1.2	15.0	20.0	5.4	3.3	1.6	< 10	< 0.2
128219	5.33	< 5	70	239	< 3	< 2	3.96	< 2	57.7	8.7	< 30	11.0	12	19.2	13.8	3.0	7.20	22.6	17.2	1.6	4.5	10	< 0.2
128220	6.40	< 5	< 10	64	< 3	< 2	4.67	< 2	24.4	27.2	< 30	12.2	24	11.4	7.8	2.0	10.6	23.6	9.0	2.4	2.5	< 10	< 0.2
128221	7.51	< 5	10	515	4	< 2	1.87	< 2	37.8	9.8	< 30	148	< 2	19.2	15.5	1.9	4.70	35.9	11.4	1.9	4.6	20	< 0.2
128222	7.86	< 5	< 10	43	< 3	< 2	8.66	< 2	11.7	45.5	110	62.6	58	3.7	2.6	0.8	8.67	17.0	3.1	2.9	0.8	< 10	< 0.2
128223	8.05	< 5	< 10	91	< 3	< 2	8.57	< 2	38.7	89.2	560	24.8	76	4.0	2.3	1.5	8.62	17.1	4.3	1.5	0.8	< 10	< 0.2
128224	8.82	< 5	350	386	5	< 2	8.36	< 2	42.4	41.0	400	172	30	3.4	2.0	1.4	8.38	19.1	4.0	2.2	0.7	< 10	< 0.2
128225	8.40	< 5	< 10	394	< 3	< 2	9.26	< 2	47.0	40.2	340	161	142	3.8	2.1	1.7	8.23	17.7	4.3	0.9	0.7	< 10	< 0.2
128226	7.68	< 5	< 10	41	< 3	< 2	6.95	< 2	15.8	43.2	190	1.2	27	4.9	2.6	1.6	8.96	19.5	5.1	3.1	0.9	< 10	< 0.2
128227	8.39	< 5	2400	127	< 3	< 2	3.91	< 2	25.7	42.3	310	7.1	16	3.8	2.1	1.3	7.14	19.6	4.2	2.0	0.8	< 10	< 0.2
128228	7.62	< 5	2900	81	< 3	< 2	7.26	< 2	10.4	50.7	150	2.0	23	4.9	3.0	1.2	11.9	20.2	4.2	2.6	1.1	< 10	< 0.2
128229	8.42	< 5	20	78	< 3	< 2	6.70	< 2	52.4	47.8	380	2.2	78	4.3	2.3	1.8	6.45	18.7	5.0	1.5	0.8	< 10	< 0.2
128230	6.10	< 5	220	301	< 3	< 2	10.6	< 2	70.4	52.5	750	2.9	83	4.1	2.0	2.4	7.36	14.1	6.0	2.0	0.7	< 10	< 0.2
128231	8.21	< 5	160	45	< 3	< 2	7.95	< 2	6.7	61.9	120	3.2	44	4.1	2.4	1.1	11.1	20.7	3.7	2.9	0.8	< 10	< 0.2
128232	6.57	< 5	130	83	< 3	< 2	3.92	< 2	21.5	21.2	< 30	4.4	36	11.0	6.7	2.0	12.5	25.4	9.1	3.1	2.3	< 10	< 0.2
128233	8.60	< 5	120	5	111	6	0.08	< 2	1.4	0.3	< 30	19.4	< 2	< 0.3	< 0.1	< 0.1	0.20	39.6	< 0.1	5.4	< 0.2	< 10	< 0.2
128234	6.88	70	190	26	< 3	10	5.30	< 2	15.5	45.4	70	139	72	6.4	4.3	1.3	13.0	23.3	5.9	5.1	1.4	< 10	1.5
128235	5.94	< 5	70	29	< 3	< 2	1.64	< 2	44.9	7.2	40	19.8	22	17.5	11.9	2.4	5.21	25.5	13.1	1.5	3.9	20	< 0.2
128236	8.55	< 5	40	225	< 3	< 2	3.94	< 2	25.8	31.6	170	19.1	34	3.0	1.7	1.0	6.66	18.8	3.1	2.9	0.6	< 10	< 0.2
128237	6.25	< 5	70	35	< 3	< 2	5.77	< 2	8.4	74.6	220	27.4	60	4.5	3.1	1.2	13.5	18.2	4.3	3.9	1.1	< 10	< 0.2
128238	7.95	< 5	20	47	< 3	< 2	5.59	< 2	15.0	46.4	190	10.3	42	4.3	2.3	1.5	9.79	19.5	4.6	2.8	0.8	< 10	< 0.2
128239	7.78	< 5	10	28	< 3	< 2	6.16	< 2	8.4	38.1	170	2.5	35	4.7	2.5	1.4	10.3	20.1	4.8	2.9	0.9	< 10	< 0.2
128240	7.55	< 5	170	226	< 3	< 2	7.29	< 2	16.9	51.2	500	16.7	46	3.1	1.8	1.3	6.43	15.8	3.4	1.9	0.6	< 10	< 0.2

Analyte Symbol	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	Fe	Ga	Gd	Ge	Ho	Hf	In
Unit Symbol	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	5	10	3	3	2	0.01	2	0.8	0.2	30	0.1	2	0.3	0.1	0.1	0.05	0.2	0.1	0.7	0.2	10	0.2
Method Code	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
128241	8.19	< 5	40	305	< 3	< 2	3.92	< 2	41.3	33.1	200	20.8	46	3.2	1.8	1.4	6.08	19.9	3.7	2.7	0.6	< 10	< 0.2
128242	6.82	< 5	70	65	< 3	< 2	5.53	< 2	9.6	47.5	< 30	13.6	17	7.3	4.8	1.5	14.2	20.5	5.9	5.9	1.6	< 10	< 0.2
128243	8.36	< 5	260	432	11	< 2	8.00	< 2	44.4	45.8	470	71.1	29	3.9	2.1	1.7	7.24	17.5	4.4	3.1	0.8	< 10	< 0.2
128244	8.55	< 5	< 10	136	< 3	< 2	6.78	< 2	43.8	50.5	190	8.3	63	4.4	2.3	1.7	8.38	20.1	5.0	2.6	0.8	< 10	< 0.2
128245	6.92	< 5	< 10	56	< 3	< 2	5.43	< 2	24.2	39.8	220	6.4	76	4.7	2.6	1.6	8.28	19.9	5.2	3.6	0.9	< 10	< 0.2
128246	8.06	< 5	< 10	72	< 3	< 2	5.77	< 2	24.7	50.3	350	11.4	66	3.6	2.2	1.1	7.97	18.6	3.5	3.0	0.8	< 10	< 0.2
128247	6.95	< 5	20	217	< 3	< 2	6.00	< 2	36.8	27.7	90	10.5	41	2.9	1.5	1.2	5.26	21.6	3.3	2.2	0.5	< 10	< 0.2
128248	8.31	< 5	130	56	< 3	< 2	5.49	< 2	27.6	55.5	300	7.8	24	5.4	3.0	1.9	9.44	18.3	5.7	2.9	1.1	< 10	< 0.2

Analyte Symbol	K	La	Li	Mg	Mn	Mo	Nb	Nd	Ni	Pb	Pr	Rb	S	Sb	Se	Si	Sm	Sn	Sr	Ta	Tb	Te	Th
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	0.4	3	0.01	3	1	2.4	0.4	10	0.8	0.1	0.4	0.01	2	0.8	0.01	0.1	0.5	3	0.2	0.1	6	0.1
Method Code	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
1607701	0.3	4.0	66	3.52	1900	< 1	6.4	8.8	60	1.8	1.6	39.6	< 0.01	< 2	< 0.8	23.1	3.2	0.8	136	1.1	0.8	< 6	0.4
1607702	0.2	2.7	88	3.46	2680	< 1	5.0	5.5	60	< 0.8	1.0	16.2	0.05	< 2	< 0.8	25.4	2.1	< 0.5	96	< 0.2	0.6	< 6	0.1
1607703	0.7	1.9	87	2.10	2360	< 1	7.2	8.8	10	2.1	1.3	221	< 0.01	< 2	< 0.8	23.5	4.2	< 0.5	137	< 0.2	1.1	< 6	0.5
1607704	0.2	12.2	20	1.04	1840	< 1	13.0	24.7	< 10	< 0.8	4.8	2.2	< 0.01	< 2	< 0.8	27.7	8.0	1.2	135	0.4	2.0	< 6	1.7
1607705	0.2	1.7	121	3.62	1910	< 1	< 2.4	3.5	30	3.4	0.5	49.8	< 0.01	< 2	1.3	25.8	1.4	< 0.5	84	< 0.2	0.5	< 6	< 0.1
1607706	0.2	1.8	78	3.41	1770	< 1	< 2.4	4.0	20	< 0.8	0.7	4.3	< 0.01	< 2	< 0.8	25.7	1.6	< 0.5	141	< 0.2	0.5	< 6	< 0.1
1607707	0.3	2.7	75	3.38	1940	1	6.1	7.6	50	< 0.8	1.3	22.8	< 0.01	< 2	1.1	23.5	3.2	< 0.5	112	1.7	0.9	< 6	0.3
1607708	0.5	3.7	18	3.13	1710	< 1	4.9	10.7	50	< 0.8	1.8	14.5	< 0.01	< 2	< 0.8	23.5	3.6	< 0.5	74	< 0.2	0.9	< 6	0.3
1607709	0.6	3.0	24	2.67	2020	< 1	2.9	6.5	30	11.9	1.2	28.7	< 0.01	< 2	< 0.8	24.4	2.2	< 0.5	53	< 0.2	0.6	< 6	0.2
1607710	0.3	4.8	30	2.94	2340	< 1	6.3	11.2	30	< 0.8	2.1	15.0	< 0.01	< 2	< 0.8	24.5	4.0	< 0.5	171	0.4	1.0	< 6	0.6
1607711	0.4	6.9	76	3.62	1590	1	4.4	12.7	60	1.4	2.5	19.8	< 0.01	< 2	< 0.8	22.9	3.8	< 0.5	368	< 0.2	0.9	< 6	0.5
1607712	0.2	3.3	59	3.08	1690	< 1	3.5	6.4	40	< 0.8	1.3	20.5	0.04	< 2	< 0.8	24.3	2.0	< 0.5	119	0.3	0.5	< 6	0.2
1607713	0.2	4.8	52	4.61	1900	< 1	5.3	10.0	60	< 0.8	2.0	9.9	< 0.01	< 2	< 0.8	22.7	3.2	< 0.5	91	< 0.2	0.8	< 6	0.5
1607714	0.2	3.8	44	2.56	1740	< 1	3.8	6.9	30	< 0.8	1.3	2.9	< 0.01	< 2	< 0.8	24.7	2.5	< 0.5	302	< 0.2	0.7	< 6	0.2
1607715	0.2	2.3	48	2.66	1990	< 1	4.5	7.3	20	< 0.8	1.2	11.9	< 0.01	< 2	0.9	24.0	2.6	< 0.5	88	< 0.2	0.7	< 6	0.3
1607716	0.2	2.5	33	2.87	2110	< 1	3.7	5.3	30	< 0.8	0.9	6.1	< 0.01	< 2	1.4	24.2	2.1	< 0.5	91	< 0.2	0.6	< 6	0.3
1607717	0.6	4.5	24	3.21	1560	< 1	4.8	6.4	50	< 0.8	1.4	13.6	0.02	< 2	< 0.8	24.4	2.1	< 0.5	157	0.7	0.6	< 6	0.5
1607718	0.4	6.0	42	4.20	3760	< 1	7.7	12.2	30	< 0.8	2.3	60.4	< 0.01	< 2	< 0.8	22.2	4.1	6.7	177	< 0.2	1.1	< 6	0.4
1607719	0.3	24.2	72	1.35	2280	< 1	21.5	40.4	< 10	< 0.8	8.8	37.9	0.25	< 2	< 0.8	> 30.0	11.8	2.0	131	0.8	3.0	< 6	3.2
1607720	0.4	17.6	32	1.97	1230	< 1	8.0	23.5	160	< 0.8	5.6	36.3	< 0.01	< 2	< 0.8	28.0	4.7	< 0.5	218	0.3	0.6	< 6	1.3
1607721	1.2	17.9	199	2.12	1180	< 1	8.3	27.6	190	< 0.8	6.5	69.7	< 0.01	< 2	< 0.8	24.8	5.2	< 0.5	197	0.3	0.6	< 6	1.7
1607722	0.2	19.5	83	5.08	1480	< 1	4.4	23.0	60	< 0.8	5.5	56.6	< 0.01	< 2	< 0.8	20.9	4.4	< 0.5	157	< 0.2	0.4	< 6	2.3
1607723	0.3	2.9	118	4.41	1780	< 1	6.3	7.1	80	4.7	1.2	37.8	0.01	< 2	1.4	23.0	2.4	9.8	138	< 0.2	0.7	< 6	0.6
1607724	0.9	15.8	101	3.08	2120	< 1	10.3	23.6	160	7.5	5.4	53.3	0.11	< 2	< 0.8	24.4	4.7	< 0.5	668	0.4	0.6	< 6	2.4
1607725	0.6	18.5	69	2.47	1500	37	11.3	27.2	230	< 0.8	6.9	48.2	< 0.01	< 2	5.1	25.2	5.0	0.9	184	< 0.2	0.7	< 6	1.4
1607726	0.9	21.3	69	3.45	1740	< 1	9.1	27.2	80	< 0.8	6.6	91.5	0.01	131	< 0.8	24.2	5.1	< 0.5	317	0.3	0.6	< 6	3.9
1607727	0.3	28.0	68	2.58	1510	1	11.1	29.6	160	7.3	7.3	60.5	0.03	< 2	3.5	25.3	5.0	1.0	404	< 0.2	0.7	< 6	1.5
1607728	0.2	19.3	23	2.53	1520	< 1	8.3	26.9	170	< 0.8	6.3	1.9	< 0.01	< 2	< 0.8	27.6	4.9	< 0.5	208	0.3	0.5	< 6	1.3
1607729	0.3	7.7	53	4.69	1160	< 1	5.2	11.9	310	< 0.8	2.2	11.2	0.03	< 2	1.4	25.3	3.0	< 0.5	336	< 0.2	0.5	< 6	2.1
1607730	0.2	6.6	36	3.63	1160	< 1	6.8	12.3	90	2.8	2.4	7.5	0.05	< 2	1.1	25.3	2.9	0.7	312	0.9	0.6	< 6	0.8
1607731	1.5	27.4	170	0.95	1300	< 1	21.6	46.0	< 10	< 0.8	9.6	86.8	0.03	< 2	2.7	> 30.0	12.4	1.2	79	1.0	2.7	< 6	3.1
1607732	1.5	23.3	203	0.22	775	< 1	18.2	42.5	< 10	< 0.8	8.9	122	< 0.01	< 2	< 0.8	> 30.0	12.3	0.7	85	0.8	2.7	< 6	2.7
1607733	0.7	2.7	92	3.10	1810	< 1	4.4	7.9	70	< 0.8	1.4	121	< 0.01	< 2	2.2	23.4	3.3	< 0.5	223	< 0.2	0.8	< 6	0.4
1607734	1.4	17.6	186	0.47	704	< 1	22.1	32.5	10	< 0.8	6.9	73.5	0.12	< 2	< 0.8	> 30.0	8.9	0.8	59	1.0	2.0	< 6	2.6
1607735	1.5	26.1	57	3.08	1110	< 1	5.8	22.8	90	< 0.8	3.8	100	0.12	< 2	7.6	25.4	3.4	< 0.5	341	< 0.2	0.5	< 6	1.4
1607736	0.8	7.1	80	3.08	1310	1	6.4	13.1	130	1.9	3.0	85.7	< 0.01	< 2	4.9	24.5	3.2	1.2	363	< 0.2	0.7	< 6	0.4
1607737	0.4	13.3	47	0.88	1490	1	13.4	27.7	30	< 0.8	5.5	28.2	0.05	< 2	< 0.8	27.9	8.1	< 0.5	106	0.4	1.9	< 6	1.7
1607738	0.4	25.8	28	0.59	1170	< 1	20.8	47.5	10	20.9	9.9	24.0	0.03	< 2	8.1	> 30.0	13.0	< 0.5	114	0.7	3.0	< 6	2.9
1607739	2.5	57.4	74	0.92	1290	2	23.2	86.9	70	< 0.8	19.1	187	0.23	< 2	< 0.8	29.9	20.7	2.0	105	0.8	3.9	< 6	3.4
1607740	0.8	8.3	25	2.93	1360	< 1	4.7	14.5	100	< 0.8	3.0	29.5	0.07	< 2	< 0.8	23.4	3.5	< 0.5	650	< 0.2	0.5	< 6	0.9
1607741	0.8	73.3	39	3.99	1260	< 1	7.9	113	160	5.0	28.9	28.1	0.06	< 2	1.9	23.2	18.2	< 0.5	607	< 0.2	1.3	< 6	4.0
1607742	1.4	13.4	37	4.36	1380	< 1	4.9	19.4	190	< 0.8	4.5	75.5	0.13	< 2	< 0.8	23.4	3.8	< 0.5	249	< 0.2	0.5	< 6	0.9
1607743	0.2	13.5	4	3.99	1520	< 1	5.4	17.4	150	1.6	4.0	2.0	< 0.01	< 2	< 0.8	24.6	3.7	< 0.5	259	< 0.2	0.6	< 6	1.1
1607744	0.3	17.6	40	4.20	1300	< 1	8.5	27.0	140	< 0.8	6.4	7.1	0.09	< 2	2.8	24.7	5.7	< 0.5	260	< 0.2	0.7	< 6	3.6
1607745	0.2	17.1	46	3.00	1250	< 1	9.5	24.6	210	< 0.8	5.8	8.8	< 0.01	< 2	< 0.8	26.1	4.9	0.5	158	0.3	0.6	< 6	1.3
1607746	0.3	37.6	51	4.91	1380	< 1	10.1	70.5	140	< 0.8	16.0	14.5	< 0.01	< 2	< 0.8	24.5	12.7	< 0.5	253	0.2	1.1	< 6	2.5
1607747	0.3	14.5	31	3.49	1990	< 1	12.0	22.9	190	5.4	5.6	5.5	< 0.01	< 2	< 0.8	25.0	4.9	< 0.5	337	0.4	0.7	< 6	1.4

Analyte Symbol	K	La	Li	Mg	Mn	Mo	Nb	Nd	Ni	Pb	Pr	Rb	S	Sb	Se	Si	Sm	Sn	Sr	Ta	Tb	Te	Th
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	0.4	3	0.01	3	1	2.4	0.4	10	0.8	0.1	0.4	0.01	2	0.8	0.01	0.1	0.5	3	0.2	0.1	6	0.1
Method Code	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
1607748	0.3	16.0	39	2.67	1100	1	10.6	21.8	200	3.2	5.1	11.0	0.10	< 2	< 0.8	26.7	4.4	< 0.5	305	0.3	0.6	< 6	1.4
1607749	0.5	28.9	56	2.09	1580	< 1	9.4	39.1	90	50.3	9.6	15.1	< 0.01	< 2	< 0.8	24.3	6.7	< 0.5	477	0.3	0.7	< 6	2.5
1607750	0.7	1.9	136	3.87	1640	< 1	4.6	6.1	70	< 0.8	0.9	27.6	0.06	< 2	< 0.8	22.8	2.9	< 0.5	160	< 0.2	0.7	< 6	0.3
1607751	0.2	2.6	37	3.91	1860	< 1	6.3	7.2	80	< 0.8	1.1	4.5	< 0.01	< 2	< 0.8	22.9	3.2	< 0.5	141	< 0.2	0.9	< 6	0.6
1607752	0.6	17.0	200	4.03	1450	< 1	11.2	21.5	170	< 0.8	5.3	297	0.17	< 2	< 0.8	24.7	4.3	16.7	195	0.4	0.6	< 6	1.6
1607753	0.9	24.3	185	2.21	1490	2	11.0	28.9	140	6.3	6.8	128	0.12	< 2	< 0.8	26.2	5.3	21.7	238	0.4	0.6	< 6	3.0
1607754	0.9	18.4	158	2.12	1030	< 1	10.3	25.2	170	< 0.8	6.0	147	< 0.01	< 2	1.6	26.8	5.0	< 0.5	303	0.4	0.6	< 6	1.7
1607755	1.1	16.5	106	0.98	1020	1	26.5	27.3	60	< 0.8	5.8	29.6	< 0.01	< 2	< 0.8	> 30.0	7.7	0.7	222	1.2	2.3	< 6	8.1
1607756	0.2	3.3	53	4.98	2380	1	3.6	5.3	100	3.2	1.0	10.1	0.11	4	< 0.8	24.3	1.6	72.4	92	< 0.2	0.4	< 6	0.9
1607757	0.1	4.5	40	3.77	1510	1	< 2.4	6.2	90	1.2	1.3	20.2	0.03	< 2	< 0.8	26.3	1.6	3.1	124	< 0.2	0.3	< 6	0.5
1607758	0.5	1.5	150	5.59	1280	< 1	< 2.4	2.7	70	6.7	0.5	85.7	< 0.01	< 2	< 0.8	24.9	1.1	9.0	117	< 0.2	0.3	< 6	0.3
1607759	0.4	2.1	178	6.91	1590	< 1	< 2.4	3.4	170	< 0.8	0.7	230	< 0.01	< 2	< 0.8	24.0	1.3	< 0.5	59	< 0.2	0.2	< 6	0.3
1607760	0.1	2.0	108	3.44	1590	< 1	< 2.4	4.2	40	11.0	0.8	1.9	< 0.01	< 2	< 0.8	25.6	1.6	< 0.5	108	< 0.2	0.4	< 6	0.4
1607761	0.3	8.5	35	2.67	2190	3	10.4	13.8	30	4.6	2.7	37.4	0.24	< 2	1.7	23.1	4.7	119	207	0.4	1.3	< 6	1.2
1607762	0.1	18.7	17	3.26	2090	1	9.2	21.8	60	< 0.8	4.4	5.8	< 0.01	< 2	< 0.8	25.0	5.6	< 0.5	199	0.3	1.2	< 6	1.0
1607763	0.3	8.7	62	3.68	3370	< 1	9.1	15.0	50	< 0.8	3.1	20.2	< 0.01	< 2	< 0.8	22.8	4.4	3.8	46	1.0	1.0	< 6	0.8
1607764	0.7	8.1	253	3.10	1910	< 1	8.6	12.4	40	< 0.8	2.5	571	0.08	< 2	< 0.8	24.0	4.2	0.5	95	0.2	1.1	< 6	0.8
1607765	0.7	1.5	59	0.31	393	< 1	85.0	1.7	< 10	4.5	0.3	1210	0.09	< 2	< 0.8	> 30.0	0.5	97.1	45	192	< 0.1	< 6	0.8
1607766	< 0.1	2.1	4	14.1	1640	< 1	< 2.4	2.8	420	30.5	0.6	1.9	0.01	< 2	< 0.8	21.4	0.6	1.7	15	< 0.2	< 0.1	< 6	0.2
1607767	0.2	1.5	73	3.50	1790	< 1	2.7	3.8	50	< 0.8	0.6	7.1	< 0.01	< 2	< 0.8	25.7	1.5	< 0.5	66	< 0.2	0.4	< 6	0.4
1607768	0.3	1.2	61	6.25	1420	< 1	3.3	2.0	80	4.0	0.4	73.6	< 0.01	< 2	< 0.8	24.2	0.7	42.8	145	< 0.2	0.2	< 6	0.1
1607769	0.6	1.4	244	6.62	1380	4	< 2.4	2.6	110	< 0.8	0.5	130	< 0.01	< 2	< 0.8	23.9	0.9	< 0.5	104	< 0.2	0.2	< 6	0.1
1607770	0.2	1.3	69	4.23	1410	< 1	< 2.4	3.9	60	4.1	0.6	5.0	< 0.01	< 2	2.2	25.5	1.5	< 0.5	108	< 0.2	0.5	< 6	0.7
1607801	1.4	11.7	26	0.68	443	< 1	7.4	11.2	20	22.3	2.8	46.4	< 0.01	< 2	< 0.8	> 30.0	2.5	< 0.5	460	0.9	0.3	< 6	5.0
1607802	1.4	13.7	45	0.80	478	< 1	8.1	12.7	30	18.9	3.3	51.4	< 0.01	< 2	< 0.8	> 30.0	2.7	< 0.5	389	1.7	0.3	< 6	5.1
1607803	1.3	16.0	158	1.31	590	< 1	11.5	15.4	50	23.0	3.7	52.0	< 0.01	< 2	< 0.8	28.5	3.0	< 0.5	464	0.9	0.3	< 6	6.2
1607804	1.4	47.6	76	0.91	487	< 1	6.9	48.0	20	13.4	13.0	43.3	< 0.01	< 2	3.6	> 30.0	7.4	< 0.5	380	0.3	0.6	< 6	5.0
1607805	1.1	61.9	46	0.61	273	< 1	6.3	53.2	< 10	15.0	15.4	40.4	0.02	< 2	< 0.8	> 30.0	7.2	3.7	272	0.2	0.6	< 6	11.3
1607806	1.6	16.7	34	0.88	495	< 1	4.5	17.7	30	15.9	4.4	53.4	< 0.01	< 2	< 0.8	> 30.0	3.4	0.8	548	0.5	0.3	< 6	5.9
1607807	1.5	17.1	57	0.93	498	< 1	6.6	17.8	30	18.9	4.4	50.2	< 0.01	< 2	< 0.8	> 30.0	3.5	2.4	504	0.5	0.3	< 6	8.1
1607808	1.2	21.2	109	1.57	536	< 1	8.9	20.9	50	15.4	5.2	43.3	< 0.01	< 2	< 0.8	29.3	4.3	1.0	301	1.0	0.5	< 6	6.8
1607809	1.3	16.6	104	1.03	371	< 1	8.5	15.1	40	14.9	4.0	47.0	< 0.01	< 2	< 0.8	> 30.0	2.9	< 0.5	266	0.6	0.3	< 6	5.3
1607810	1.3	18.3	54	0.94	417	< 1	8.1	14.5	30	18.8	3.9	43.0	< 0.01	< 2	< 0.8	> 30.0	2.5	< 0.5	344	0.6	0.3	< 6	5.5
1607811	1.5	13.8	53	0.77	450	< 1	7.6	12.6	30	20.4	3.1	53.8	< 0.01	< 2	1.8	> 30.0	2.8	< 0.5	448	0.8	0.3	< 6	5.6
1607812	1.4	14.8	33	0.72	349	< 1	6.5	12.3	30	15.7	3.4	47.9	< 0.01	< 2	< 0.8	29.9	2.4	< 0.5	308	0.3	0.2	< 6	5.7
1607813	1.7	11.3	81	0.88	529	< 1	5.9	11.6	30	22.9	2.7	58.6	< 0.01	< 2	< 0.8	> 30.0	2.6	< 0.5	565	0.7	0.3	< 6	4.6
1607814	1.6	12.7	59	0.76	482	2	6.2	12.4	20	22.7	3.0	59.3	< 0.01	< 2	< 0.8	> 30.0	2.7	< 0.5	498	0.9	0.3	< 6	5.2
1607815	1.6	20.5	21	0.66	399	< 1	3.8	17.6	20	18.3	4.5	53.9	< 0.01	< 2	< 0.8	> 30.0	3.3	< 0.5	460	0.2	0.3	< 6	4.8
1607816	1.4	11.8	29	0.70	432	< 1	4.7	11.4	20	17.1	2.9	50.4	< 0.01	< 2	< 0.8	29.2	2.3	< 0.5	417	0.8	0.3	< 6	3.8
1607817	1.4	12.1	26	0.69	488	< 1	5.5	11.1	< 10	18.2	3.1	55.5	< 0.01	< 2	< 0.8	> 30.0	2.1	< 0.5	381	< 0.2	0.3	< 6	3.8
1607818	1.6	24.8	32	0.81	474	< 1	5.5	18.4	40	22.3	5.3	52.4	< 0.01	< 2	< 0.8	> 30.0	3.5	2.4	435	0.4	0.4	< 6	11.3
1607819	1.3	14.7	26	0.73	387	< 1	6.3	11.9	30	16.5	3.2	43.7	0.01	< 2	3.8	> 30.0	2.2	< 0.5	327	0.2	0.2	< 6	4.8
1607820	1.4	14.9	24	0.68	537	7	7.0	12.6	30	19.9	3.4	53.3	0.03	< 2	< 0.8	> 30.0	2.4	< 0.5	360	0.4	0.3	< 6	5.1
1607821	1.5	9.9	35	0.67	1260	< 1	4.4	8.7	30	18.8	2.3	55.3	0.05	< 2	< 0.8	> 30.0	2.0	< 0.5	417	0.3	0.2	< 6	3.5
1607822	1.5	20.1	25	0.74	440	3	6.6	17.8	30	20.8	4.7	54.2	0.04	9	< 0.8	> 30.0	3.0	1.6	401	0.8	0.3	< 6	5.0
1607823	1.4	18.8	16	0.69	376	< 1	5.5	15.3	40	15.9	4.1	45.6	0.16	< 2	6.5	> 30.0	2.8	< 0.5	329	0.3	0.3	< 6	6.0
1607824	1.4	14.4	36	0.76	469	< 1	5.5	12.5	30	19.9	3.1	44.6	0.02	< 2	< 0.8	> 30.0	2.5	< 0.5	437	0.3	0.2	< 6	4.1

Analyte Symbol	K	La	Li	Mg	Mn	Mo	Nb	Nd	Ni	Pb	Pr	Rb	S	Sb	Se	Si	Sm	Sn	Sr	Ta	Tb	Te	Th
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	0.4	3	0.01	3	1	2.4	0.4	10	0.8	0.1	0.4	0.01	2	0.8	0.01	0.1	0.5	3	0.2	0.1	6	0.1
Method Code	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
1607825	1.5	14.9	28	0.75	512	7	4.4	13.3	30	17.8	3.5	53.0	0.02	< 2	< 0.8	> 30.0	2.6	< 0.5	492	0.3	0.3	< 6	4.5
1607826	1.5	14.7	28	0.77	529	< 1	6.3	12.6	30	18.9	3.2	52.8	0.02	< 2	< 0.8	> 30.0	2.4	< 0.5	453	1.0	0.2	< 6	5.0
1607827	1.6	18.4	34	0.81	493	< 1	6.6	14.2	30	18.4	3.7	57.7	0.01	< 2	< 0.8	> 30.0	2.6	< 0.5	448	0.4	0.3	< 6	6.3
1607828	1.5	17.5	28	0.69	928	< 1	7.1	14.4	20	16.3	3.8	61.6	0.02	< 2	< 0.8	> 30.0	2.5	< 0.5	389	0.8	0.3	< 6	4.8
128151	0.3	4.8	314	2.99	1720	< 1	5.3	11.0	60	< 0.8	2.0	18.9	0.03	< 2	< 0.8	24.3	3.5	< 0.5	241	< 0.2	0.7	< 6	< 0.1
128152	0.1	5.7	69	0.47	1010	< 1	5.3	11.7	40	< 0.8	2.2	18.6	0.13	< 2	< 0.8	26.5	3.4	40.4	65	< 0.2	0.7	< 6	0.4
128153	0.3	6.3	198	3.57	932	< 1	8.8	16.4	190	0.9	3.3	43.3	0.03	< 2	< 0.8	26.3	4.3	0.6	410	0.2	0.6	< 6	1.1
128154	0.5	44.8	743	2.12	2100	< 1	12.1	38.8	20	< 0.8	6.5	52.3	0.02	< 2	< 0.8	25.2	7.6	< 0.5	148	0.3	1.8	< 6	3.0
128155	1.7	68.3	2860	3.83	1720	< 1	13.4	82.3	160	< 0.8	18.0	2070	0.01	< 2	< 0.8	22.5	12.0	89.0	512	0.6	1.0	< 6	4.8
128156	0.1	18.4	265	3.64	2050	< 1	14.7	33.8	190	< 0.8	7.4	14.0	0.01	< 2	< 0.8	21.5	6.8	32.9	599	2.0	0.8	< 6	1.1
128157	0.2	12.9	649	5.44	1950	9	6.9	26.0	210	< 0.8	5.3	21.2	0.02	< 2	< 0.8	22.3	5.6	12.6	310	0.3	0.7	< 6	1.1
128158	0.7	10.9	681	1.75	1070	< 1	6.7	15.0	130	< 0.8	3.5	295	< 0.01	< 2	< 0.8	25.2	3.2	4.4	253	0.2	0.5	< 6	0.8
128159	1.2	20.9	323	0.77	1720	< 1	19.4	35.3	10	< 0.8	7.7	41.2	0.03	< 2	< 0.8	> 30.0	9.9	0.9	70	0.7	2.4	< 6	2.8
128160	0.3	9.4	36	1.47	2880	< 1	5.9	15.1	10	< 0.8	3.1	5.1	< 0.01	< 2	< 0.8	25.0	4.8	< 0.5	102	< 0.2	1.1	< 6	0.7
128161	0.3	6.0	105	1.93	3140	< 1	6.0	12.1	< 10	13.7	2.5	117	0.03	< 2	< 0.8	21.7	4.2	38.8	133	0.3	1.2	< 6	1.0
128162	0.2	11.5	86	1.23	2720	< 1	7.6	21.9	< 10	2.5	4.8	7.7	0.04	< 2	< 0.8	21.9	6.8	1.9	397	0.5	1.6	< 6	1.6
128163	0.6	4.1	435	5.01	1460	< 1	2.7	10.6	210	1.2	2.2	405	< 0.01	< 2	< 0.8	24.1	3.0	5.9	143	0.5	0.5	< 6	2.0
128164	0.4	12.3	123	3.03	1930	< 1	3.4	16.7	150	15.8	4.2	15.4	< 0.01	< 2	2.5	20.9	3.4	0.6	348	0.5	0.6	< 6	1.8
128165	0.1	13.2	162	3.57	973	< 1	9.1	19.2	80	1.0	4.8	18.6	< 0.01	< 2	1.0	23.3	4.5	< 0.5	480	0.7	0.7	< 6	2.1
128166	0.2	5.7	987	5.08	662	< 1	8.2	12.7	240	3.1	2.4	58.0	< 0.01	< 2	< 0.8	23.1	3.9	< 0.5	1160	0.7	0.7	< 6	2.3
128167	2.0	3.3	3790	2.91	2160	< 1	8.6	10.5	40	1.9	1.9	2030	0.02	< 2	1.3	21.7	3.8	40.9	149	8.1	1.0	< 6	0.9
128168	0.1	8.0	325	1.19	1730	< 1	5.6	14.1	20	3.1	3.2	14.7	0.08	< 2	2.6	20.6	4.2	< 0.5	234	0.4	1.1	< 6	1.1
128169	0.4	4.7	704	3.60	1870	< 1	< 2.4	9.3	90	15.4	2.0	178	0.10	< 2	1.0	20.6	3.0	13.7	189	0.3	0.8	< 6	1.1
128170	< 0.1	6.3	89	1.12	726	< 1	17.4	12.2	< 10	< 0.8	2.7	1.6	0.02	< 2	1.6	28.1	4.1	< 0.5	50	1.2	1.7	< 6	2.5
128171	0.1	3.5	170	3.55	1760	< 1	< 2.4	12.6	90	< 0.8	2.5	13.2	0.03	< 2	1.6	19.2	4.0	< 0.5	247	< 0.2	0.9	< 6	0.3
128172	< 0.1	4.5	74	0.95	1190	< 1	25.4	10.1	< 10	< 0.8	2.1	10.9	0.01	< 2	2.6	29.0	4.4	< 0.5	131	1.2	2.3	< 6	3.2
128173	< 0.1	11.1	39	1.15	1180	< 1	21.9	15.2	< 10	< 0.8	3.8	4.4	0.02	< 2	1.3	29.1	4.3	2.2	59	1.0	1.9	< 6	2.7
128174	0.3	7.2	115	0.66	746	< 1	28.9	15.8	< 10	< 0.8	3.4	24.2	< 0.01	< 2	< 0.8	> 30.0	5.8	1.6	51	1.8	2.4	< 6	2.7
128175	0.3	11.0	198	2.31	2950	4	9.1	16.4	10	< 0.8	3.9	31.2	0.12	< 2	1.9	19.0	5.2	3.8	65	0.4	1.5	< 6	1.4
128176	1.4	6.8	593	2.21	1640	2	12.0	11.7	50	1.0	2.6	244	0.12	< 2	1.4	22.7	3.8	2.6	222	0.7	1.0	< 6	1.4
128177	0.5	7.0	20	1.56	2660	< 1	< 2.4	10.7	< 10	3.0	2.5	26.5	0.02	< 2	3.1	20.2	2.9	< 0.5	138	< 0.2	0.9	< 6	0.7
128178	0.2	7.9	126	2.19	1810	< 1	10.9	11.5	10	< 0.8	2.4	38.1	0.01	< 2	2.8	25.3	4.2	2.1	137	0.8	1.2	< 6	6.2
128179	0.1	5.3	74	2.45	1860	< 1	10.9	11.4	20	< 0.8	2.4	6.7	< 0.01	< 2	< 0.8	22.5	4.5	1.0	173	0.6	1.4	< 6	1.5
128180	0.2	5.8	90	2.92	2150	< 1	7.4	11.0	30	< 0.8	2.4	9.0	0.02	3	2.6	21.6	4.0	< 0.5	130	0.4	1.1	< 6	1.0
128181	0.1	1.6	94	5.94	1240	< 1	< 2.4	3.1	100	< 0.8	0.6	10.4	< 0.01	< 2	< 0.8	22.6	0.8	< 0.5	80	< 0.2	0.2	< 6	0.4
128182	0.3	7.0	71	3.32	2170	< 1	10.1	10.9	50	1.6	2.5	46.4	0.06	< 2	2.9	20.7	3.5	8.9	249	0.6	1.1	< 6	1.1
128183	0.1	8.8	103	3.45	1540	2	10.4	16.8	40	0.8	3.8	3.2	0.09	< 2	2.5	23.6	4.7	1.1	180	0.7	1.2	< 6	1.0
128184	0.2	5.7	97	2.73	2110	1	5.4	12.4	60	< 0.8	2.5	25.8	0.04	< 2	< 0.8	24.5	3.6	25.3	205	0.3	1.0	< 6	0.5
128185	0.2	5.6	65	2.03	1680	1	5.6	11.4	50	< 0.8	2.4	32.0	0.04	< 2	< 0.8	27.8	3.2	< 0.5	58	0.3	0.9	< 6	0.5
128186	0.6	12.8	70	0.15	354	< 1	19.0	24.2	< 10	2.1	5.6	44.0	< 0.01	< 2	1.2	> 30.0	6.9	1.1	88	1.5	2.1	< 6	2.5
128187	0.2	7.3	413	3.27	1460	1	7.1	15.9	30	< 0.8	3.3	16.1	0.11	< 2	< 0.8	23.6	4.9	< 0.5	135	0.5	1.2	< 6	0.7
128188	0.3	12.1	195	1.54	2410	1	9.7	22.7	30	< 0.8	5.1	6.5	< 0.01	< 2	1.0	25.7	6.1	0.7	113	0.6	1.6	< 6	1.2
128189	1.1	5.4	1490	1.33	2670	2	6.4	8.8	30	< 0.8	1.9	948	0.22	< 2	1.3	23.0	2.7	20.9	89	0.5	1.0	< 6	0.7
128190	0.2	17.2	68	1.61	1930	3	19.7	24.1	10	< 0.8	5.8	8.6	0.10	< 2	< 0.8	29.6	7.3	2.8	47	6.1	2.6	< 6	2.5
128191	0.2	3.3	87	2.67	1350	< 1	< 2.4	11.6	80	< 0.8	2.3	13.5	< 0.01	< 2	1.7	25.0	3.2	< 0.5	235	< 0.2	0.7	< 6	< 0.1
128192	0.5	6.7	148	1.85	2050	2	6.0	14.6	50	< 0.8	3.1	45.6	0.07	< 2	< 0.8	22.2	3.9	2.1	44	0.4	1.0	< 6	0.7
128193	0.2	3.1	160	3.18	1410	< 1	4.6	11.5	90	< 0.8	2.1	18.5	0.06	< 2	1.8	24.7	3.9	< 0.5	205	0.3	0.8	< 6	0.2

Analyte Symbol	K	La	Li	Mg	Mn	Mo	Nb	Nd	Ni	Pb	Pr	Rb	S	Sb	Se	Si	Sm	Sn	Sr	Ta	Tb	Te	Th
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	0.4	3	0.01	3	1	2.4	0.4	10	0.8	0.1	0.4	0.01	2	0.8	0.01	0.1	0.5	3	0.2	0.1	6	0.1
Method Code	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
128194	0.1	7.7	388	3.83	1310	< 1	10.4	15.6	70	1.2	3.4	11.0	0.02	< 2	1.6	24.1	4.3	1.1	308	0.6	0.8	< 6	0.8
128195	2.9	0.6	> 10000	0.04	421	1	77.3	< 0.4	< 10	4.0	0.1	2750	< 0.01	< 2	2.0	> 30.0	< 0.1	165	19	79.2	< 0.1	< 6	0.8
128196	0.2	5.5	220	3.57	1470	1	7.3	8.6	70	0.8	1.5	24.0	0.03	< 2	1.7	23.7	3.8	0.6	121	0.5	1.1	< 6	0.9
128197	0.5	1.2	183	3.65	1400	< 1	4.2	7.0	80	< 0.8	1.1	398	< 0.01	< 2	2.3	22.8	2.9	0.5	63	0.3	0.7	< 6	0.4
128198	0.4	25.6	467	3.97	1130	< 1	9.1	30.6	60	10.7	8.1	28.2	0.15	< 2	2.5	24.5	5.9	< 0.5	729	0.6	0.7	< 6	5.9
128199	0.4	0.5	27	< 0.01	93	< 1	120.5	0.7	< 10	9.8	0.2	466	< 0.01	< 2	2.7	> 30.0	0.1	84.7	24	80.9	< 0.1	< 6	1.0
128200	1.2	8.7	1540	2.88	951	4	27.7	16.0	80	1.1	3.8	1990	0.11	< 2	1.2	22.4	3.6	92.9	276	54.4	0.6	< 6	1.1
128201	0.5	4.8	993	3.38	1140	< 1	12.9	11.4	90	< 0.8	2.4	86.5	< 0.01	< 2	1.3	25.0	3.7	< 0.5	576	0.8	0.7	< 6	1.4
128202	2.5	< 0.4	85	< 0.01	74	< 1	56.0	< 0.4	< 10	6.1	< 0.1	3770	< 0.01	< 2	13.1	28.3	< 0.1	99.7	11	82.1	< 0.1	< 6	0.3
128203	1.7	7.6	203	3.16	753	< 1	3.6	12.1	130	0.9	2.9	79.7	< 0.01	< 2	1.4	27.0	2.8	< 0.5	222	0.2	0.4	< 6	1.4
128204	0.6	4.3	103	2.26	1860	< 1	7.8	11.1	30	< 0.8	2.1	184	0.03	< 2	2.3	24.4	4.1	7.8	126	0.7	1.2	< 6	0.9
128205	1.0	< 0.4	3810	0.01	227	< 1	61.8	0.4	< 10	< 0.8	< 0.1	961	< 0.01	< 2	1.5	> 30.0	< 0.1	107	9	44.4	< 0.1	< 6	1.3
128206	0.1	3.4	51	2.73	1260	< 1	2.8	11.1	60	0.9	2.2	3.2	0.02	< 2	1.9	25.1	3.5	< 0.5	227	< 0.2	0.7	< 6	0.5
128207	0.2	7.5	25	0.64	997	1	24.7	14.4	< 10	< 0.8	3.4	10.0	< 0.01	< 2	1.1	> 30.0	4.7	2.4	92	1.9	1.7	< 6	3.1
128208	1.1	12.4	101	3.21	845	< 1	6.7	18.9	110	6.6	4.4	36.4	< 0.01	< 2	4.4	25.3	3.6	0.6	276	0.5	0.6	< 6	1.8
128209	0.5	9.9	41	3.64	1260	< 1	6.4	14.5	150	< 0.8	3.3	35.8	< 0.01	< 2	< 0.8	24.6	3.3	< 0.5	230	0.4	0.6	< 6	1.3
128210	0.2	5.5	15	2.86	1360	< 1	4.7	15.8	80	21.9	3.1	5.1	0.04	< 2	1.6	24.9	4.2	< 0.5	249	0.3	0.8	< 6	0.3
128211	0.4	3.6	105	3.75	1330	< 1	3.7	13.5	120	< 0.8	2.6	66.5	0.01	< 2	1.0	23.7	3.9	< 0.5	339	0.2	0.8	< 6	0.6
128212	1.2	25.3	58	0.72	658	< 1	28.1	46.0	< 10	3.5	10.7	78.7	0.01	< 2	< 0.8	> 30.0	11.9	2.6	283	2.2	2.9	< 6	4.6
128213	0.2	6.9	13	1.37	2070	< 1	7.9	14.2	20	1.6	3.1	4.4	0.02	< 2	2.9	25.1	4.1	< 0.5	122	0.6	1.2	< 6	0.7
128214	0.3	5.8	27	1.84	2390	2	8.2	12.9	40	< 0.8	2.7	8.5	0.03	< 2	3.3	25.7	3.7	0.9	90	0.5	1.2	< 6	0.7
128215	0.2	4.2	157	2.85	1470	1	5.9	8.2	40	5.4	1.5	15.9	0.05	< 2	1.3	26.7	3.2	8.8	2790	0.4	1.0	< 6	0.9
128216	0.4	4.3	34	2.20	2210	< 1	5.7	10.5	50	< 0.8	2.2	20.8	0.01	< 2	2.1	22.6	3.1	< 0.5	103	0.4	1.0	< 6	0.5
128217	0.7	6.6	121	2.38	4110	2	10.0	13.4	30	< 0.8	2.9	37.6	0.03	< 2	< 0.8	19.6	4.6	< 0.5	81	1.6	1.7	< 6	1.3
128218	0.3	4.8	55	1.77	3050	< 1	5.7	9.5	30	< 0.8	2.0	23.4	0.03	< 2	1.2	23.2	2.8	< 0.5	182	0.4	1.0	< 6	0.7
128219	1.0	21.7	57	0.92	1810	2	20.1	44.6	10	3.6	9.9	34.9	0.10	< 2	< 0.8	> 30.0	11.9	2.7	264	1.5	3.2	< 6	3.1
128220	0.3	9.6	52	1.90	1540	1	11.3	18.9	20	< 0.8	4.0	29.5	< 0.01	< 2	< 0.8	26.8	5.8	< 0.5	67	0.9	1.6	< 6	1.2
128221	2.4	12.6	123	0.69	873	1	31.7	26.2	70	1.1	5.8	140	< 0.01	< 2	< 0.8	> 30.0	7.7	1.3	128	2.5	2.5	< 6	3.3
128222	0.3	5.2	132	3.81	1540	< 1	3.5	7.8	110	11.2	1.8	31.5	0.04	< 2	1.6	23.1	2.1	1.6	265	0.2	0.6	< 6	0.8
128223	0.7	15.6	104	2.83	1450	2	9.6	23.7	440	< 0.8	5.9	43.5	0.08	< 2	1.1	25.4	4.6	0.9	163	0.6	0.7	< 6	1.7
128224	0.9	18.3	249	2.52	1540	< 1	10.8	24.5	130	1.0	6.3	245	< 0.01	< 2	1.5	24.4	4.7	< 0.5	341	0.6	0.6	< 6	2.0
128225	0.7	19.8	153	3.95	1450	1	10.2	27.5	170	5.8	7.0	50.6	0.07	< 2	1.9	23.7	5.2	0.7	552	0.6	0.6	< 6	1.9
128226	0.1	5.0	43	3.11	1460	2	5.9	14.2	90	1.1	2.9	1.8	0.02	< 2	< 0.8	25.1	4.1	0.9	261	0.4	0.8	< 6	0.1
128227	0.6	9.6	48	3.39	1140	2	8.9	15.4	220	< 0.8	3.8	65.9	0.03	< 2	< 0.8	26.1	3.7	< 0.5	265	0.5	0.7	< 6	2.2
128228	0.2	3.4	35	4.42	1560	1	4.7	7.8	100	< 0.8	1.7	3.1	0.03	< 2	< 0.8	22.1	2.7	< 0.5	242	0.3	0.7	< 6	0.5
128229	0.3	19.1	11	2.92	1330	5	10.7	31.6	220	< 0.8	7.7	6.9	0.04	< 2	< 0.8	25.6	6.1	< 0.5	249	0.6	0.7	< 6	3.6
128230	0.4	25.7	35	5.75	1440	2	8.1	48.6	510	2.1	11.7	8.1	< 0.01	< 2	< 0.8	22.2	8.5	< 0.5	495	0.4	0.8	< 6	1.6
128231	0.2	2.6	186	4.33	1500	2	3.7	7.2	160	< 0.8	1.3	8.4	< 0.01	< 2	< 0.8	22.5	2.4	< 0.5	164	< 0.2	0.6	< 6	0.6
128232	0.3	8.3	107	1.57	1610	2	10.7	16.9	< 10	< 0.8	3.5	8.4	0.05	< 2	< 0.8	26.4	5.8	< 0.5	108	0.7	1.6	< 6	1.4
128233	0.2	0.5	22	< 0.01	68	< 1	71.2	1.0	< 10	5.3	0.2	197	< 0.01	< 2	< 0.8	> 30.0	< 0.1	8.1	11	140	< 0.1	< 6	1.0
128234	0.4	4.4	3600	3.27	1930	3	6.7	12.6	50	21.2	2.5	177	0.03	< 2	< 0.8	23.2	4.0	19.4	221	1.2	1.1	< 6	2.7
128235	0.1	13.2	65	0.46	1140	3	20.4	30.6	20	< 0.8	6.6	10.7	0.03	< 2	< 0.8	> 30.0	9.2	0.8	107	1.6	2.5	< 6	3.5
128236	0.8	10.2	223	4.07	861	3	5.5	13.4	120	< 0.8	3.4	88.2	0.02	< 2	< 0.8	24.7	2.9	< 0.5	323	0.3	0.5	< 6	2.0
128237	0.3	3.1	83	5.49	1790	1	4.5	7.6	150	1.4	1.5	19.1	0.06	< 2	1.2	22.3	2.5	1.7	89	0.3	0.8	< 6	0.4
128238	0.1	4.6	139	3.51	1570	< 1	6.4	13.4	100	< 0.8	2.7	8.2	< 0.01	< 2	1.4	24.3	4.0	< 0.5	214	0.4	0.8	< 6	0.1
128239	0.2	2.7	41	3.08	1440	2	5.0	9.4	70	< 0.8	1.8	6.6	0.01	< 2	< 0.8	24.1	3.5	< 0.5	311	0.3	0.8	< 6	0.1
128240	0.3	6.2	54	5.20	1630	2	8.2	12.1	270	< 0.8	2.7	13.4	< 0.01	< 2	2.5	25.2	3.0	1.1	399	0.5	0.5	< 6	1.0

Analyte Symbol	K	La	Li	Mg	Mn	Mo	Nb	Nd	Ni	Pb	Pr	Rb	S	Sb	Se	Si	Sm	Sn	Sr	Ta	Tb	Te	Th
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	0.4	3	0.01	3	1	2.4	0.4	10	0.8	0.1	0.4	0.01	2	0.8	0.01	0.1	0.5	3	0.2	0.1	6	0.1
Method Code	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
128241	1.3	18.0	119	3.63	966	3	7.5	24.6	130	2.3	6.2	112	< 0.01	< 2	1.7	26.2	4.4	< 0.5	420	0.4	0.6	< 6	2.2
128242	0.3	3.0	32	2.93	1710	< 1	6.5	10.0	20	< 0.8	1.8	8.3	< 0.01	< 2	< 0.8	22.4	3.8	0.5	131	0.4	1.1	< 6	0.6
128243	0.9	17.7	81	3.12	1570	< 1	11.9	28.3	180	2.2	7.1	88.9	< 0.01	< 2	1.5	24.4	5.4	3.3	249	3.3	0.7	< 6	1.7
128244	0.4	16.9	75	3.80	1540	< 1	10.0	26.7	160	1.1	6.5	10.0	< 0.01	< 2	< 0.8	24.3	5.5	< 0.5	529	0.6	0.7	< 6	1.9
128245	0.2	9.7	43	4.07	1240	< 1	7.8	16.4	150	1.4	3.8	7.3	0.08	< 2	< 0.8	25.8	4.3	< 0.5	276	0.5	0.8	< 6	2.2
128246	0.4	9.5	91	4.84	1260	< 1	6.0	14.9	210	< 0.8	3.5	17.5	< 0.01	< 2	2.5	23.9	3.6	1.9	300	0.3	0.6	< 6	1.4
128247	1.0	13.8	39	2.48	969	< 1	3.8	22.0	80	0.9	5.5	58.8	< 0.01	< 2	2.7	29.5	4.3	< 0.5	336	0.2	0.5	< 6	2.0
128248	0.3	10.7	76	4.25	1480	< 1	11.5	20.6	160	< 0.8	4.7	12.0	0.02	< 2	1.4	23.8	5.2	< 0.5	163	0.4	0.9	< 6	1.3

Analyte Symbol	Ti	Tl	Tm	U	V	W	Y	Yb	Zn
Unit Symbol	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.1	0.1	0.1	5	0.7	0.1	0.1	30
Method Code	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
1607701	1.05	0.4	0.5	0.1	331	3.8	33.1	3.3	130
1607702	0.59	0.1	0.4	< 0.1	279	1.2	27.5	2.5	190
1607703	1.48	2.2	0.6	0.1	51	1.2	43.4	4.2	300
1607704	0.81	< 0.1	1.2	0.4	< 5	< 0.7	79.1	7.4	130
1607705	0.42	0.4	0.5	< 0.1	287	< 0.7	28.0	3.8	120
1607706	0.42	< 0.1	0.5	< 0.1	297	< 0.7	27.4	3.6	550
1607707	1.06	0.2	0.5	0.1	336	< 0.7	33.2	3.4	160
1607708	0.98	< 0.1	0.4	0.2	355	< 0.7	32.0	3.1	110
1607709	0.61	0.1	0.5	< 0.1	299	< 0.7	29.1	3.7	100
1607710	1.05	< 0.1	0.5	0.2	371	< 0.7	37.0	3.5	50
1607711	0.84	0.1	0.5	< 0.1	325	< 0.7	31.8	3.4	120
1607712	0.50	0.3	0.5	< 0.1	290	< 0.7	27.9	3.3	120
1607713	0.79	< 0.1	0.6	0.1	319	1.0	35.9	3.8	90
1607714	0.63	< 0.1	0.6	< 0.1	317	< 0.7	31.9	3.9	110
1607715	0.72	0.1	0.7	0.2	340	< 0.7	38.7	4.5	140
1607716	0.62	< 0.1	0.6	0.2	326	24.1	34.9	4.2	140
1607717	0.49	< 0.1	0.5	0.1	232	< 0.7	28.2	3.2	110
1607718	1.14	0.5	0.7	0.2	266	5.9	48.7	5.2	140
1607719	0.45	0.2	2.1	0.8	29	< 0.7	148	13.9	810
1607720	0.73	0.2	0.2	0.3	158	10.9	15.9	1.7	100
1607721	0.71	0.2	0.3	0.4	164	7.8	17.4	1.8	140
1607722	0.50	0.3	0.2	0.4	101	5.2	10.5	1.2	80
1607723	0.96	0.2	0.4	< 0.1	325	7.2	27.2	2.6	160
1607724	0.75	0.5	0.2	0.5	150	1.0	18.4	1.6	110
1607725	0.84	0.3	0.3	0.3	198	12.2	21.4	1.7	120
1607726	0.67	0.7	0.2	1.0	148	< 0.7	18.6	1.7	120
1607727	0.80	0.5	0.3	2.6	187	18.9	19.7	1.6	110
1607728	0.62	< 0.1	0.2	0.3	150	0.8	15.8	1.5	60
1607729	0.57	< 0.1	0.2	0.5	153	< 0.7	12.9	1.3	90
1607730	0.71	< 0.1	0.3	0.5	184	1.2	16.8	1.6	100
1607731	0.35	0.7	1.8	0.7	< 5	< 0.7	106	11.7	180
1607732	0.44	0.9	1.6	0.5	43	< 0.7	97.3	10.3	90
1607733	1.02	0.8	0.4	< 0.1	327	< 0.7	30.0	3.1	110
1607734	0.39	0.6	1.4	0.6	20	0.9	80.2	9.6	110
1607735	0.62	0.8	0.2	5.5	176	< 0.7	16.6	1.7	90
1607736	0.70	0.7	0.4	< 0.1	232	14.7	22.7	2.2	120
1607737	0.75	0.2	1.1	0.3	147	< 0.7	74.3	6.9	130
1607738	0.38	0.2	1.8	0.7	22	< 0.7	120	11.5	80
1607739	0.35	1.4	2.1	0.8	< 5	< 0.7	137	13.7	200
1607740	0.69	0.2	0.3	0.3	202	< 0.7	16.6	1.8	100
1607741	0.72	0.1	0.3	0.9	167	< 0.7	25.2	1.5	120
1607742	0.55	0.5	0.2	0.2	183	< 0.7	14.1	1.6	90
1607743	0.64	< 0.1	0.3	0.3	182	< 0.7	15.8	1.7	100
1607744	0.75	< 0.1	0.3	0.8	191	< 0.7	20.4	1.7	100
1607745	0.80	< 0.1	0.2	0.3	202	1.9	17.3	1.7	120
1607746	0.84	< 0.1	0.3	0.6	231	< 0.7	24.6	1.7	110
1607747	0.84	< 0.1	0.3	0.3	207	< 0.7	20.5	1.8	140

Analyte Symbol	Ti	Tl	Tm	U	V	W	Y	Yb	Zn
Unit Symbol	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.1	0.1	0.1	5	0.7	0.1	0.1	30
Method Code	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
1607748	0.77	< 0.1	0.3	0.3	180	< 0.7	19.2	1.7	120
1607749	0.74	< 0.1	0.2	0.4	149	< 0.7	18.3	1.6	110
1607750	0.97	0.1	0.4	0.1	389	< 0.7	27.5	2.8	250
1607751	1.06	< 0.1	0.5	0.2	343	< 0.7	34.1	3.3	140
1607752	0.70	2.7	0.2	0.3	185	1.9	17.4	1.8	120
1607753	0.77	1.0	0.3	0.6	192	11.4	18.5	1.8	120
1607754	0.89	1.1	0.3	0.4	210	5.7	17.8	1.8	130
1607755	0.47	0.3	2.0	1.1	42	< 0.7	122	13.1	90
1607756	0.42	0.2	0.3	2.0	275	8.7	16.0	1.8	140
1607757	0.41	0.1	0.2	0.2	266	0.7	10.9	1.2	50
1607758	0.35	0.7	0.2	< 0.1	247	< 0.7	9.3	1.4	70
1607759	0.35	2.4	0.2	0.1	239	< 0.7	9.4	1.3	150
1607760	0.51	< 0.1	0.3	< 0.1	364	< 0.7	15.3	1.9	90
1607761	1.13	0.3	0.7	0.3	427	23.3	49.0	5.0	140
1607762	1.19	< 0.1	0.7	1.7	442	< 0.7	41.5	4.3	160
1607763	0.96	0.2	0.7	0.2	360	< 0.7	42.1	4.3	190
1607764	1.08	6.8	0.7	0.2	403	< 0.7	40.9	4.4	140
1607765	0.10	8.1	< 0.1	3.9	48	< 0.7	< 0.1	0.3	40
1607766	0.16	< 0.1	< 0.1	< 0.1	128	1.8	3.9	0.6	150
1607767	0.52	< 0.1	0.3	0.1	393	< 0.7	18.7	2.1	120
1607768	0.28	0.4	0.1	< 0.1	200	1.2	9.1	1.0	100
1607769	0.27	1.0	0.1	< 0.1	235	< 0.7	7.0	1.0	80
1607770	0.48	< 0.1	0.3	0.2	293	< 0.7	17.0	1.8	60
1607801	0.31	0.5	0.1	1.6	85	< 0.7	7.2	1.0	110
1607802	0.31	0.4	0.1	1.5	89	< 0.7	7.2	1.1	120
1607803	0.37	0.5	0.1	1.7	109	< 0.7	7.7	1.0	120
1607804	0.35	0.3	0.2	2.6	92	< 0.7	17.5	1.6	100
1607805	0.29	0.4	0.2	8.3	63	< 0.7	14.2	1.2	70
1607806	0.23	0.4	0.1	1.9	76	< 0.7	6.5	0.9	70
1607807	0.27	0.6	0.1	2.5	83	< 0.7	8.8	1.0	70
1607808	0.39	0.5	0.2	2.0	100	< 0.7	12.6	1.2	130
1607809	0.39	0.5	0.2	1.6	98	< 0.7	10.9	1.4	80
1607810	0.33	0.4	0.1	1.6	95	< 0.7	8.7	1.0	90
1607811	0.30	0.4	0.1	1.5	80	< 0.7	6.6	1.0	90
1607812	0.32	0.4	0.1	1.4	85	< 0.7	6.9	1.0	110
1607813	0.28	0.4	0.1	1.4	87	< 0.7	5.8	0.9	110
1607814	0.28	0.5	0.1	1.7	79	< 0.7	6.3	1.0	120
1607815	0.20	0.4	0.1	1.4	54	< 0.7	6.5	0.9	40
1607816	0.26	0.4	0.1	1.2	80	< 0.7	5.0	0.9	50
1607817	0.26	0.3	0.1	1.0	74	< 0.7	7.1	1.0	60
1607818	0.24	0.5	0.1	1.7	68	2.4	8.8	1.0	70
1607819	0.28	0.3	0.1	1.1	78	1.1	6.8	0.9	70
1607820	0.28	0.4	0.1	1.4	72	< 0.7	8.7	1.0	70
1607821	0.21	0.5	0.1	1.0	76	< 0.7	6.2	0.9	100
1607822	0.25	0.3	0.1	1.4	71	< 0.7	8.2	0.9	70
1607823	0.26	0.4	0.1	1.5	69	< 0.7	7.5	1.0	110
1607824	0.26	0.3	0.1	1.2	75	< 0.7	5.7	0.8	60

Analyte Symbol	Ti	Tl	Tm	U	V	W	Y	Yb	Zn
Unit Symbol	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.1	0.1	0.1	5	0.7	0.1	0.1	30
Method Code	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
1607825	0.21	0.4	0.1	1.2	71	< 0.7	7.1	1.0	50
1607826	0.23	0.4	0.1	1.3	69	< 0.7	6.8	0.8	50
1607827	0.26	0.4	0.1	1.6	86	< 0.7	8.0	1.0	50
1607828	0.29	0.4	0.1	1.6	70	< 0.7	7.9	1.0	70
128151	1.07	0.2	0.3	< 0.1	229	< 0.7	20.6	1.8	160
128152	0.89	0.4	0.4	0.3	287	39.2	26.0	2.8	80
128153	0.73	0.2	0.3	0.5	212	< 0.7	18.8	1.6	70
128154	1.20	0.3	1.1	14.6	314	< 0.7	70.7	6.9	440
128155	0.95	19.3	0.4	16.8	247	5.9	26.5	2.2	220
128156	0.75	0.2	0.3	0.5	233	4.1	22.8	2.2	270
128157	0.67	0.2	0.3	0.6	256	51.0	20.8	2.1	140
128158	0.61	2.2	0.2	0.3	179	< 0.7	13.4	1.5	110
128159	0.34	0.2	1.8	0.7	23	< 0.7	107	12.3	230
128160	0.98	< 0.1	0.6	0.1	160	< 0.7	41.5	4.6	250
128161	1.09	1.0	0.7	0.2	225	19.3	42.1	4.4	180
128162	1.26	< 0.1	0.9	0.3	88	5.3	53.3	5.5	210
128163	0.63	2.9	0.2	0.4	178	2.8	14.4	1.5	130
128164	0.61	0.2	0.3	0.3	175	2.3	15.1	1.8	130
128165	0.89	< 0.1	0.3	0.4	198	1.8	18.2	2.0	90
128166	0.80	0.4	0.3	0.3	180	1.5	18.2	1.8	40
128167	1.18	17.3	0.6	0.8	399	1.9	34.9	4.0	170
128168	1.53	0.2	0.7	0.2	514	8.7	38.9	4.1	190
128169	1.10	1.2	0.5	0.3	383	4.7	27.3	3.1	160
128170	0.75	< 0.1	1.4	0.6	62	< 0.7	77.3	8.8	60
128171	1.23	< 0.1	0.3	< 0.1	204	0.9	22.8	2.0	200
128172	0.60	0.2	2.1	0.9	21	1.7	116	13.4	80
128173	0.73	< 0.1	1.7	0.7	49	< 0.7	93.7	11.2	90
128174	0.47	0.1	2.1	0.8	27	< 0.7	115	13.6	70
128175	1.36	0.2	1.0	0.4	310	2.9	55.9	6.5	210
128176	1.02	1.8	0.6	0.6	163	3.0	34.9	4.3	220
128177	0.74	0.2	0.7	0.3	344	< 0.7	36.6	4.7	160
128178	1.32	0.4	0.8	0.5	384	3.1	46.9	5.1	150
128179	1.04	< 0.1	0.9	0.4	368	< 0.7	49.2	5.3	130
128180	1.07	< 0.1	0.7	0.3	381	< 0.7	39.2	4.6	140
128181	0.23	< 0.1	0.1	0.2	191	< 0.7	7.2	1.0	70
128182	1.22	0.2	0.7	0.3	396	< 0.7	38.2	4.0	160
128183	1.17	< 0.1	0.7	0.3	387	< 0.7	42.1	4.2	160
128184	1.15	0.2	0.6	0.5	327	25.6	32.8	3.2	130
128185	1.20	0.1	0.5	0.1	327	1.9	31.2	2.8	190
128186	0.37	0.2	1.7	0.7	< 5	< 0.7	84.5	10.9	90
128187	1.52	< 0.1	0.7	0.2	431	< 0.7	40.3	4.4	150
128188	0.84	< 0.1	1.0	0.2	137	< 0.7	57.2	5.7	120
128189	1.32	9.5	0.7	0.5	388	< 0.7	43.3	4.5	150
128190	0.72	< 0.1	1.8	0.8	59	3.7	103	10.5	100
128191	0.95	< 0.1	0.3	< 0.1	218	< 0.7	19.7	1.7	110
128192	1.08	0.7	0.6	0.2	332	3.7	34.2	3.7	200
128193	1.12	0.1	0.3	< 0.1	227	< 0.7	22.7	1.9	130

Analyte Symbol	Ti	Tl	Tm	U	V	W	Y	Yb	Zn
Unit Symbol	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.1	0.1	0.1	5	0.7	0.1	0.1	30
Method Code	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
128194	1.08	< 0.1	0.4	0.2	227	< 0.7	22.9	2.0	220
128195	< 0.01	30.5	< 0.1	4.3	< 5	< 0.7	0.3	< 0.1	70
128196	1.18	< 0.1	0.6	0.2	405	< 0.7	38.1	3.9	160
128197	0.94	3.0	0.4	0.1	326	< 0.7	23.0	2.3	130
128198	0.92	0.2	0.3	1.5	181	< 0.7	17.8	1.6	90
128199	< 0.01	2.7	< 0.1	2.0	< 5	1.7	0.7	< 0.1	30
128200	0.80	25.0	0.3	3.1	172	< 0.7	17.1	1.5	310
128201	0.87	0.6	0.3	0.4	190	< 0.7	20.1	1.8	90
128202	< 0.01	30.0	< 0.1	74.4	< 5	1.2	0.1	< 0.1	30
128203	0.43	0.6	0.2	0.3	120	< 0.7	11.1	1.1	80
128204	1.10	1.2	0.7	0.3	230	< 0.7	41.6	4.0	160
128205	< 0.01	5.5	< 0.1	2.5	< 5	< 0.7	0.8	< 0.1	50
128206	0.95	< 0.1	0.3	0.1	218	< 0.7	19.3	1.7	160
128207	0.43	< 0.1	2.0	0.9	7	< 0.7	102	13.0	80
128208	0.53	1.0	0.2	0.6	132	0.7	15.9	1.4	100
128209	0.65	0.2	0.3	0.4	176	< 0.7	17.7	1.7	100
128210	1.10	< 0.1	0.3	0.1	213	< 0.7	22.0	1.9	150
128211	1.12	0.3	0.3	0.1	236	< 0.7	21.5	1.9	150
128212	0.56	0.6	2.1	1.4	29	< 0.7	118	13.5	70
128213	1.29	< 0.1	0.8	0.2	271	2.5	45.5	4.9	140
128214	1.31	< 0.1	0.8	0.3	391	< 0.7	46.0	4.8	130
128215	1.27	< 0.1	0.6	0.2	364	7.5	35.0	3.5	150
128216	1.20	< 0.1	0.7	0.2	334	1.3	43.6	4.2	120
128217	0.78	< 0.1	1.2	0.6	152	< 0.7	68.8	7.5	210
128218	1.10	< 0.1	0.7	0.2	324	< 0.7	43.5	4.2	100
128219	0.42	0.1	2.0	0.7	10	< 0.7	106	12.1	80
128220	1.01	< 0.1	1.1	0.4	160	< 0.7	61.1	6.7	130
128221	0.56	0.6	2.4	1.1	32	< 0.7	120	15.1	70
128222	0.49	< 0.1	0.4	0.2	210	< 0.7	20.4	2.3	90
128223	0.77	0.2	0.3	0.4	179	< 0.7	19.8	1.8	110
128224	0.79	2.0	0.3	0.5	184	< 0.7	18.3	1.7	110
128225	0.73	0.2	0.3	0.5	185	< 0.7	18.8	1.9	110
128226	1.20	< 0.1	0.3	< 0.1	224	< 0.7	23.2	2.0	160
128227	0.78	0.3	0.3	0.5	180	1.6	18.6	1.7	100
128228	0.97	< 0.1	0.4	0.2	316	< 0.7	26.2	2.6	130
128229	0.85	< 0.1	0.3	0.8	201	0.8	21.3	1.8	100
128230	0.67	< 0.1	0.2	0.4	184	< 0.7	18.3	1.4	100
128231	0.81	< 0.1	0.3	0.2	306	< 0.7	20.6	1.8	110
128232	1.08	< 0.1	0.9	0.4	37	< 0.7	56.8	5.8	180
128233	< 0.01	1.2	< 0.1	3.0	< 5	< 0.7	< 0.1	< 0.1	< 30
128234	1.09	1.6	0.6	0.9	346	18.9	35.8	3.5	170
128235	0.38	< 0.1	1.8	0.8	22	< 0.7	97.3	11.0	70
128236	0.56	0.7	0.2	0.5	165	0.7	15.1	1.5	80
128237	0.88	< 0.1	0.5	0.1	292	< 0.7	27.1	2.7	230
128238	1.12	< 0.1	0.3	< 0.1	212	< 0.7	21.4	1.7	140
128239	1.13	< 0.1	0.3	< 0.1	224	< 0.7	21.9	1.9	140
128240	0.67	< 0.1	0.2	0.3	144	< 0.7	16.1	1.5	70

Analyte Symbol	Ti	Tl	Tm	U	V	W	Y	Yb	Zn
Unit Symbol	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.1	0.1	0.1	5	0.7	0.1	0.1	30
Method Code	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
128241	0.66	0.7	0.2	0.4	160	< 0.7	16.1	1.4	90
128242	1.64	< 0.1	0.6	0.2	486	< 0.7	39.1	4.0	150
128243	0.82	0.5	0.3	0.4	183	1.9	18.6	1.7	110
128244	0.91	< 0.1	0.3	0.4	193	< 0.7	20.8	1.9	110
128245	1.14	< 0.1	0.4	0.6	162	< 0.7	22.8	2.1	110
128246	0.65	< 0.1	0.3	0.3	179	< 0.7	18.9	1.8	110
128247	0.44	0.3	0.2	0.4	139	< 0.7	14.0	1.2	70
128248	1.01	< 0.1	0.4	0.3	219	< 0.7	27.2	2.6	140

Analyte Symbol	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	Fe	Ga	Gd	Ge	Ho	Hf	In
Unit Symbol	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	5	10	3	3	2	0.01	2	0.8	0.2	30	0.1	2	0.3	0.1	0.1	0.05	0.2	0.1	0.7	0.2	10	0.2
Method Code	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
GXR-1 Meas	3.82	449	10	673	< 3	1520	1.04	3	13.9	8.8	< 30	3.2	1160	4.7		0.6	26.0	14.7	4.2			< 10	0.9
GXR-1 Cert	3.52	427	15.0	750	1.22	1380	0.960	3.30	17.0	8.20	12.0	3.00	1110	4.30		0.690	23.6	13.8	4.20			0.960	0.770
GXR-1 Meas	3.71	449	< 10	746	< 3	1430	0.92	3	19.5	9.0	60	3.1	1130	4.8		0.7	25.7	14.6	4.8			< 10	0.9
GXR-1 Cert	3.52	427	15.0	750	1.22	1380	0.960	3.30	17.0	8.20	12.0	3.00	1110	4.30		0.690	23.6	13.8	4.20			0.960	0.770
GXR-1 Meas		464	< 10	722	< 3	1560		3	15.5	7.9	< 30	3.5	1220	4.9		0.7		14.6	4.0			< 10	0.9
GXR-1 Cert		427	15.0	750	1.22	1380		3.30	17.0	8.20	12.0	3.00	1110	4.30		0.690		13.8	4.20			0.960	0.770
GXR-1 Meas		410	< 10	756	< 3	1530		4	14.3	9.0	30	2.8	1190	4.5		0.7		15.2	3.6			< 10	0.9
GXR-1 Cert		427	15.0	750	1.22	1380		3.30	17.0	8.20	12.0	3.00	1110	4.30		0.690		13.8	4.20			0.960	0.770
GXR-4 Meas	7.11	110	< 10	1690	4	18	1.00	< 2	118	15.9	80	3.1	6540	2.8		1.6	3.07	21.1	5.0			< 10	< 0.2
GXR-4 Cert	7.20	98.0	4.50	1640	1.90	19.0	1.01	0.860	102	14.6	64.0	2.80	6520	2.60		1.63	3.09	20.0	5.25			6.30	0.270
GXR-4 Meas	7.30	96	< 10	1640	< 3	18	0.91	< 2	105	14.8	80	2.4	6520	2.6		1.5	3.00	20.1	5.0			10	< 0.2
GXR-4 Cert	7.20	98.0	4.50	1640	1.90	19.0	1.01	0.860	102	14.6	64.0	2.80	6520	2.60		1.63	3.09	20.0	5.25			6.30	0.270
GXR-4 Meas	6.99	107	< 10	1550	< 3	18	1.04	< 2	110	15.8	60	3.0	6280	2.8		1.7	3.07	18.6	5.4			< 10	< 0.2
GXR-4 Cert	7.20	98.0	4.50	1640	1.90	19.0	1.01	0.860	102	14.6	64.0	2.80	6520	2.60		1.63	3.09	20.0	5.25			6.30	0.270
NIST 696 Meas											290												
NIST 696 Cert											321.0												
NIST 696 Meas											310												
NIST 696 Cert											321.0												
NIST 696 Meas											300												
NIST 696 Cert											321.0												
NIST 696 Meas											310												
NIST 696 Cert											321.0												
NIST 696 Meas											290												
NIST 696 Cert											321.0												
ZW-C Meas		35		57	38	16		< 2	91.5	1.5	80	256	37	8.5	7.5	< 0.1		97.9	4.8		1.9	20	
ZW-C Cert		31.00		52	35	15.0		1.5	97	2.00	56.0	260	39.0	9.2	6.7	0.04		99	4.70		2.0	9.7	
ZW-C Meas																							
ZW-C Cert																							
ZW-C Meas																							
ZW-C Cert																							
OREAS 131a (Fusion) Meas		83		847				83		25.3			310				5.95						
OREAS 131a (Fusion) Cert		91		865				80		25			324				5.90						
OREAS 131a (Fusion) Meas		83		822				74		24.2			308				5.61						
OREAS 131a (Fusion) Cert		91		865				80		25			324				5.90						
OREAS 131a (Fusion) Meas		79		848				92		23.3			336				5.75						
OREAS 131a (Fusion) Cert		91		865				80		25			324				5.90						
OREAS 131a (Fusion) Meas		84		835				81		27.0			325				5.83						
OREAS 131a (Fusion) Cert		91		865				80		25			324				5.90						
OREAS 131a (Fusion) Meas		86		864				84		25.4			315										
OREAS 131a (Fusion) Cert		91		865				80		25			324										

Analyte Symbol	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	Fe	Ga	Gd	Ge	Ho	Hf	In
Unit Symbol	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	5	10	3	3	2	0.01	2	0.8	0.2	30	0.1	2	0.3	0.1	0.1	0.05	0.2	0.1	0.7	0.2	10	0.2
Method Code	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
MP-1b Meas		> 10000				890	2.45	526					> 10000				8.05						611
MP-1b Cert		23000.00				954.0000	2.47	527.0000					30690.000				8.19						565.0000
MP-1b Meas		> 10000				872	2.49	569					> 10000				8.15						576
MP-1b Cert		23000.00				954.0000	2.47	527.0000					30690.000				8.19						565.0000
MP-1b Meas		> 10000				840	2.45	583					> 10000				7.83						589
MP-1b Cert		23000.00				954.0000	2.47	527.0000					30690.000				8.19						565.0000
MP-1b Meas		> 10000				866	2.51	591					> 10000				7.95						580
MP-1b Cert		23000.00				954.0000	2.47	527.0000					30690.000				8.19						565.0000
MP-1b Meas		> 10000				920	2.50	555					> 10000				7.99						591
MP-1b Cert		23000.00				954.0000	2.47	527.0000					30690.000				8.19						565.0000
MP-1b Meas		> 10000				928	2.59	534					> 10000				8.12						587
MP-1b Cert		23000.00				954.0000	2.47	527.0000					30690.000				8.19						565.0000
MP-1b Meas		> 10000				910	2.50	543					> 10000				7.97						583
MP-1b Cert		23000.00				954.0000	2.47	527.0000					30690.000				8.19						565.0000
MP-1b Meas		> 10000				920	2.43	485					> 10000				8.07						558
MP-1b Cert		23000.00				954.0000	2.47	527.0000					30690.000				8.19						565.0000
MP-1b Meas		> 10000				952		506					> 10000										571
MP-1b Cert		23000.00				954.0000		527.0000					30690.000										565.0000
MP-1b Meas		> 10000				897		508					> 10000										580
MP-1b Cert		23000.00				954.0000		527.0000					30690.000										565.0000
MP-1b Meas		> 10000				943		506					> 10000										576
MP-1b Cert		23000.00				954.0000		527.0000					30690.000										565.0000
MP-1b Meas		> 10000				935		529					> 10000										613
MP-1b Cert		23000.00				954.0000		527.0000					30690.000										565.0000
OREAS 101a (Fusion) Meas									1370	45.8			420	31.1	18.5	8.3	11.2		43.9		6.6		
OREAS 101a (Fusion) Cert									1396	48.8			434	33.3	19.5	8.06	11.06		43.4		6.46		
OREAS 101a (Fusion) Meas									1220	53.4			409	30.5	19.3	8.5	10.8		46.3		6.8		
OREAS 101a (Fusion) Cert									1396	48.8			434	33.3	19.5	8.06	11.06		43.4		6.46		
OREAS 101a (Fusion) Meas									1210	49.9			388	29.5	18.5	8.3	11.2		42.2		6.5		
OREAS 101a (Fusion) Cert									1396	48.8			434	33.3	19.5	8.06	11.06		43.4		6.46		
OREAS 101a (Fusion) Meas																	11.0						
OREAS 101a (Fusion) Cert																	11.06						

Analyte Symbol	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	Fe	Ga	Gd	Ge	Ho	Hf	In
Unit Symbol	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	5	10	3	3	2	0.01	2	0.8	0.2	30	0.1	2	0.3	0.1	0.1	0.05	0.2	0.1	0.7	0.2	10	0.2
Method Code	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
OREAS 13b (fusion) Meas				681							9960												
OREAS 13b (fusion) Cert				694							10800.00												
NCS DC86303 Meas												348											
NCS DC86303 Cert												350											
NCS DC86303 Meas												322											
NCS DC86303 Cert												350											
NCS DC86303 Meas												359											
NCS DC86303 Cert												350											
Lithium Tetraborate FX-LT 100 lot#220610B Meas	< 0.01						< 0.01										< 0.05						
Lithium Tetraborate FX-LT 100 lot#220610B Cert																							
Lithium Tetraborate FX-LT 100 lot#220610B Meas	< 0.01						0.10										< 0.05						
Lithium Tetraborate FX-LT 100 lot#220610B Cert																							
Lithium Tetraborate FX-LT 100 lot#220610B Meas	< 0.01						0.10										< 0.05						
Lithium Tetraborate FX-LT 100 lot#220610B Cert																							
OREAS 45d (4-Acid) Meas	8.14	9		173	< 3	< 2	0.19		34.8	34.1	620	3.9	363	3.0	1.8	0.7	14.9	22.3	3.0		0.6	10	< 0.2
OREAS 45d (4-Acid) Cert	8.150	13.80		183.0	0.79	0.31	0.185		37.20	29.50	549.0	3.910	371.0	2.26	1.38	0.57	14.520	21.20	2.42		0.46	3.830	0.096
OREAS 922 (Peroxide Fusion) Meas	7.34			441		12	0.50		78.9	21.0	110	7.6	2120	5.1	3.1	1.4	5.63	20.9	6.0		1.0	< 10	0.3
OREAS 922 (Peroxide Fusion) Cert	7.59			481		10.8	0.486		88.0	20.9	90.0	7.50	2215	5.75	3.38	1.52	5.71	21.2	6.94		1.20	5.93	0.340
OREAS 922 (Peroxide Fusion) Meas	7.35			460		12	0.49		79.4	21.0	110	7.5	2140	5.8	3.4	1.5	5.72	20.2	5.9		1.2	< 10	0.3
OREAS 922 (Peroxide Fusion) Cert	7.59			481		10.8	0.486		88.0	20.9	90.0	7.50	2215	5.75	3.38	1.52	5.71	21.2	6.94		1.20	5.93	0.340
OREAS 922 (Peroxide Fusion) Meas	7.38			475		11	0.53		80.8	20.7	100	6.6	2170	4.9	3.0	1.5	5.73	21.0	6.3		1.0	10	0.3
OREAS 922 (Peroxide Fusion) Cert	7.59			481		10.8	0.486		88.0	20.9	90.0	7.50	2215	5.75	3.38	1.52	5.71	21.2	6.94		1.20	5.93	0.340
OREAS 922 (Peroxide Fusion) Meas				463		10			87.1	22.4	80	7.6	2140	5.3	3.2	1.5		20.6	6.8		1.1	< 10	0.2
OREAS 922 (Peroxide Fusion)				481		10.8			88.0	20.9	90.0	7.50	2215	5.75	3.38	1.52		21.2	6.94		1.20	5.93	0.340

Analyte Symbol	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	Fe	Ga	Gd	Ge	Ho	Hf	In
Unit Symbol	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	5	10	3	3	2	0.01	2	0.8	0.2	30	0.1	2	0.3	0.1	0.1	0.05	0.2	0.1	0.7	0.2	10	0.2
Method Code	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
Cert																							
OREAS 922 (Peroxide Fusion) Meas				473		10			84.5	21.5	70	7.9	2090	5.4	3.2	1.5		20.3	6.5		1.1	< 10	0.2
OREAS 922 (Peroxide Fusion) Cert				481		10.8			88.0	20.9	90.0	7.50	2215	5.75	3.38	1.52		21.2	6.94		1.20	5.93	0.340
OREAS 621 (Peroxide Fusion) Meas	6.64	79		2570	< 3	5	2.10	256	48.0	31.5	60	3.4	3510				3.81	25.2					1.9
OREAS 621 (Peroxide Fusion) Cert	6.63	85.0		2610	2.00	4.00	2.00	295	52.0	31.4	48.7	3.59	3680				3.71	26.5					1.93
OREAS 621 (Peroxide Fusion) Meas	6.56	77		2600	< 3	6	2.12	251	52.5	32.0	60	3.6	3590				3.82	25.0					1.8
OREAS 621 (Peroxide Fusion) Cert	6.63	85.0		2610	2.00	4.00	2.00	295	52.0	31.4	48.7	3.59	3680				3.71	26.5					1.93
OREAS 621 (Peroxide Fusion) Meas	6.50	81		2500	< 3	4	1.99	275	51.9	33.8	40	3.4	3550				3.77	25.4					1.8
OREAS 621 (Peroxide Fusion) Cert	6.63	85.0		2610	2.00	4.00	2.00	295	52.0	31.4	48.7	3.59	3680				3.71	26.5					1.93
OREAS 621 (Peroxide Fusion) Meas	6.82	87		2610	< 3	4	1.93	287	51.4	34.0	< 30	3.6	3600				3.76	26.7					1.9
OREAS 621 (Peroxide Fusion) Cert	6.63	85.0		2610	2.00	4.00	2.00	295	52.0	31.4	48.7	3.59	3680				3.71	26.5					1.93
1607710 Orig	7.36	< 5	< 10	116	< 3	< 2	4.30	< 2	12.9	33.4	50	8.4	21	6.2	3.7	1.5	10.5	20.3	4.9	3.7	1.4	< 10	< 0.2
1607710 Dup	7.22	< 5	< 10	117	< 3	< 2	4.31	< 2	12.9	33.7	50	8.3	22	6.0	3.7	1.4	10.5	19.8	4.8	4.0	1.4	< 10	< 0.2
1607720 Orig	7.20	23	< 10	72	< 3	< 2	7.56	< 2	38.8	48.0	510	40.7	52	3.3	1.8	1.4	5.91	16.3	4.0	2.8	0.7	< 10	< 0.2
1607720 Dup	7.19	< 5	< 10	72	< 3	< 2	7.59	< 2	39.1	48.1	510	40.6	54	3.2	1.8	1.5	5.94	16.6	4.0	2.0	0.7	< 10	< 0.2
1607730 Orig	8.64						6.68										8.08						
1607730 Dup	8.64						6.53										7.96						
1607740 Orig	8.49	< 5	< 10	371	< 3	< 2	6.56	< 2	22.5	43.3	190	5.9	46	3.1	1.9	1.1	7.43	17.7	3.4	1.9	0.7	< 10	< 0.2
1607740 Dup	8.35	< 5	< 10	380	< 3	< 2	6.60	< 2	17.8	43.2	180	6.1	50	3.2	1.9	1.2	7.47	18.0	3.3	1.6	0.7	< 10	< 0.2
1607749 Orig	7.38	< 5	< 10	165	< 3	< 2	9.02	2	66.8	27.9	110	3.0	49	3.5	1.8	1.9	6.31	18.2	5.6	1.1	0.7	< 10	< 0.2
1607749 Dup	7.44	< 5	< 10	163	< 3	< 2	8.89	< 2	66.1	27.6	130	2.8	47	3.5	1.8	1.9	6.26	17.8	5.4	1.8	0.7	< 10	< 0.2
1607750 Orig	7.65	< 5	< 10	252	< 3	< 2	5.95	< 2	5.2	51.0	190	18.8	23	4.5	3.0	1.3	11.8	21.3	3.6	3.3	1.0	< 10	< 0.2
1607750 Split PREP DUP	7.80	< 5	< 10	253	< 3	< 2	6.00	2	4.7	50.0	190	18.8	27	4.3	3.0	1.4	11.9	21.1	3.6	3.0	1.0	< 10	< 0.2
1607760 Orig	7.15	< 5	< 10	15	< 3	< 2	6.27	< 2	4.9	46.9	< 30	2.6	17	2.7	2.0	0.6	10.2	15.2	2.0	3.9	0.7	< 10	< 0.2
1607760 Dup	7.01	< 5	< 10	18	< 3	< 2	6.44	< 2	5.7	50.5	< 30	2.8	21	2.9	2.2	0.7	10.3	16.4	2.1	2.5	0.7	< 10	< 0.2
1607770 Orig	7.37	< 5	< 10	19	< 3	< 2	6.06	< 2	4.1	49.9	30	14.7	55	2.8	2.0	0.7	9.03	16.5	2.2	3.5	0.6	< 10	< 0.2
1607770 Dup	7.31	< 5	< 10	17	< 3	< 2	6.08	< 2	2.9	45.9	30	13.4	34	2.7	2.0	0.6	9.08	16.3	2.0	3.6	0.6	< 10	< 0.2
1607810 Orig	7.34	< 5	< 10	539	< 3	< 2	1.95	< 2	31.4	15.2	60	9.6	34	1.7	1.2	0.8	3.54	17.1	2.3	1.3	0.3	< 10	< 0.2
1607810 Dup	7.17	7	< 10	522	< 3	< 2	1.94	< 2	32.6	14.8	70	11.9	35	1.6	1.0	0.8	3.49	17.2	2.3	2.0	0.3	< 10	< 0.2
1607820 Orig	7.10	< 5	10	581	< 3	< 2	1.97	< 2	29.7	12.1	50	6.4	8	1.7	1.0	0.8	2.66	17.7	2.2	< 0.7	0.3	< 10	< 0.2
1607820 Dup	6.98	< 5	< 10	587	< 3	< 2	1.78	< 2	29.5	12.2	40	6.3	7	1.7	1.0	0.8	2.60	17.5	2.2	< 0.7	0.3	< 10	< 0.2
128151 Orig	7.61	< 5	< 10	143	< 3	< 2	6.01	< 2	12.4	39.0	140	7.9	24	4.0	2.2	1.4	10.1	19.0	4.1	5.2	0.8	< 10	< 0.2

Analyte Symbol	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	Fe	Ga	Gd	Ge	Ho	Hf	In
Unit Symbol	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	5	10	3	3	2	0.01	2	0.8	0.2	30	0.1	2	0.3	0.1	0.1	0.05	0.2	0.1	0.7	0.2	10	0.2
Method Code	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
128151 Dup	7.59	< 5	< 10	140	< 3	< 2	5.87	< 2	12.3	39.4	130	7.4	26	4.0	2.1	1.3	9.93	19.2	3.8	5.0	0.8	< 10	< 0.2
128152 Orig	6.87	< 5	< 10	43	21	8	9.76	< 2	13.7	20.8	110	1.2	38	4.4	3.0	1.0	6.75	24.2	3.6	5.4	1.0	< 10	< 0.2
128152 Split PREP DUP	7.03	< 5	< 10	32	17	7	9.98	< 2	11.2	16.9	80	1.1	25	3.4	2.3	0.8	6.73	19.6	3.1	6.2	0.8	< 10	< 0.2
128162 Orig	6.75	< 5	10	63	< 3	< 2	7.43	< 2	30.6	28.4	< 30	6.4	29	9.4	5.6	2.6	12.3	25.8	8.5	5.2	2.0	< 10	< 0.2
128162 Dup	6.72	< 5	20	64	< 3	< 2	7.38	< 2	30.8	28.0	< 30	6.0	28	9.4	5.8	2.6	12.2	25.8	8.9	5.5	2.1	< 10	< 0.2
128172 Orig	6.14	< 5	360	36	< 3	< 2	1.95	< 2	14.9	8.2	< 30	7.4	< 2	16.2	12.7	1.7	6.77	27.9	7.9	4.1	4.1	< 10	< 0.2
128172 Dup	6.17	< 5	270	36	< 3	< 2	1.93	< 2	15.2	8.0	< 30	7.1	< 2	16.2	12.7	1.6	6.64	28.3	8.2	4.4	4.1	< 10	0.2
128182 Orig	8.38	< 5	2550	121	< 3	< 2	7.01	< 2	18.9	52.0	50	21.9	34	6.5	4.4	1.4	12.6	22.8	5.1	6.6	1.5	< 10	< 0.2
128182 Dup	8.60	< 5	3520	121	< 3	< 2	7.08	< 2	16.5	54.2	100	24.3	53	6.6	4.8	1.5	12.7	22.6	5.7	1.5	1.5	< 10	< 0.2
128192 Orig	6.84	< 5	10	110	25	3	9.08	< 2	18.4	56.3	90	4.3	88	6.0	4.2	1.4	14.1	20.1	5.9	5.0	1.4	< 10	< 0.2
128192 Dup	6.87	< 5	< 10	107	25	3	9.22	< 2	18.0	56.3	90	4.2	91	5.9	4.1	1.4	14.3	20.6	5.7	5.1	1.4	< 10	< 0.2
128201 Orig	8.32	< 5	60	163	< 3	< 2	6.07	< 2	14.0	35.2	130	57.7	28	4.1	2.2	1.3	7.39	19.6	4.4	1.2	0.8	< 10	< 0.2
128201 Dup	8.28	< 5	30	164	< 3	< 2	6.05	< 2	14.3	36.2	140	59.7	27	4.3	2.3	1.4	7.35	20.0	4.7	0.9	0.8	< 10	< 0.2
128202 Orig	8.01	< 5	30	7	204	< 2	0.02	< 2	< 0.8	0.5	< 30	91.0	18	< 0.3	< 0.1	< 0.1	0.23	46.2	< 0.1	3.6	< 0.2	< 10	< 0.2
128202 Split PREP DUP	8.01	44	30	5	203	< 2	0.04	< 2	< 0.8	0.4	< 30	87.5	5	< 0.3	< 0.1	< 0.1	0.25	47.0	< 0.1	3.7	< 0.2	< 10	< 0.2
128217 Orig	6.56	< 5	140	181	< 3	< 2	4.93	< 2	17.1	34.6	30	27.1	24	10.9	8.5	1.6	21.0	21.8	9.1	3.9	2.7	< 10	< 0.2
128217 Dup	6.70	< 5	150	176	< 3	< 2	4.97	< 2	17.4	35.1	30	26.4	27	10.6	8.2	1.6	21.0	23.4	8.8	4.9	2.7	< 10	< 0.2
Method Blank	< 0.01						0.01										< 0.05						
Method Blank	< 0.01						< 0.01										< 0.05						
Method Blank	< 0.01	< 5	< 10	< 3	< 3	18	< 0.01	3	< 0.8	0.4	< 30	< 0.1	6	< 0.3	< 0.1	< 0.1	< 0.05	< 0.2	< 0.1	< 0.7	< 0.2	< 10	< 0.2
Method Blank	< 0.01						0.01										< 0.05						
Method Blank	< 0.01	< 5	< 10	< 3	< 3	< 2	< 0.01	3	< 0.8	< 0.2	< 30	< 0.1	< 2	< 0.3	< 0.1	< 0.1	< 0.05	< 0.2	< 0.1	< 0.7	< 0.2	< 10	< 0.2
Method Blank	< 0.01	< 5	10	< 3	< 3	< 2	< 0.01	2	< 0.8	< 0.2	< 30	< 0.1	< 2	< 0.3	< 0.1	< 0.1	< 0.05	< 0.2	< 0.1	< 0.7	< 0.2	< 10	< 0.2
Method Blank	< 0.01	< 5	< 10	< 3	< 3	< 2	< 0.01	< 2	< 0.8	0.4	30	< 0.1	< 2	< 0.3	< 0.1	< 0.1	< 0.05	0.2	< 0.1	< 0.7	< 0.2	< 10	< 0.2
Method Blank	< 0.01						0.01										< 0.05						
Method Blank	< 0.01	< 5	< 10	< 3	< 3	< 2	< 0.01	< 2	< 0.8	0.3	40	< 0.1	< 2	< 0.3	< 0.1	< 0.1	< 0.05	0.4	< 0.1	1.5	< 0.2	< 10	< 0.2
Method Blank		< 5	< 10	< 3	< 3	< 2		< 2	< 0.8	< 0.2	< 30	< 0.1	< 2	< 0.3	< 0.1	< 0.1		< 0.2	< 0.1	< 0.7	< 0.2	< 10	< 0.2
Method Blank		< 5	< 10	< 3	< 3	< 2		< 2	< 0.8	3.3	< 30	1.3	38	< 0.3	< 0.1	< 0.1		< 0.2	< 0.1	< 0.7	< 0.2	< 10	< 0.2

Analyte Symbol	K	La	Li	Mg	Mn	Mo	Nb	Nd	Ni	Pb	Pr	Rb	S	Sb	Se	Si	Sm	Sn	Sr	Ta	Tb	Te	Th
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	0.4	3	0.01	3	1	2.4	0.4	10	0.8	0.1	0.4	0.01	2	0.8	0.01	0.1	0.5	3	0.2	0.1	6	0.1
Method Code	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
GXR-1 Meas	< 0.1	6.8	9	0.23	910	18	< 2.4	8.5	40	761		3.7	0.25	126	15.9		2.7	50.8	273	< 0.2	1.0	13	2.2
GXR-1 Cert	0.050	7.50	8.20	0.217	852	18.0	0.800	18.0	41.0	730		14.0	0.257	122	16.6		2.70	54.0	275	0.175	0.830	13.0	2.44
GXR-1 Meas	< 0.1	8.6	10	0.22	968	22	< 2.4	11.9	60	773		3.4	0.26	132	14.3		3.0	51.8	312	< 0.2	0.9	14	2.8
GXR-1 Cert	0.050	7.50	8.20	0.217	852	18.0	0.800	18.0	41.0	730		14.0	0.257	122	16.6		2.70	54.0	275	0.175	0.830	13.0	2.44
GXR-1 Meas		8.0	5		1000	19	< 2.4	9.1	30	773		2.9		136	18.4		3.0	54.3	301	< 0.2	0.9	15	3.5
GXR-1 Cert		7.50	8.20		852	18.0	0.800	18.0	41.0	730		14.0		122	16.6		2.70	54.0	275	0.175	0.830	13.0	2.44
GXR-1 Meas		7.2	< 3		959	18	2.8	9.4	40	774		3.2		128	14.1		2.8	51.1	289	< 0.2	0.8	13	2.7
GXR-1 Cert		7.50	8.20		852	18.0	0.800	18.0	41.0	730		14.0		122	16.6		2.70	54.0	275	0.175	0.830	13.0	2.44
GXR-4 Meas	4.0	61.9	12	1.69	155	335	11.0	44.8	40	48.2		168	1.73	5	9.9	29.2	6.5	6.3	222	0.7	0.6	< 6	23.2
GXR-4 Cert	4.01	64.5	11.1	1.66	155	310	10.0	45.0	42.0	52.0		160	1.77	4.80	5.60	30.89	6.60	5.60	221	0.790	0.360	0.970	22.5
GXR-4 Meas	4.1	59.1	5	1.70	143	324	10.5	43.1	40	47.5		157	1.76	4	6.0	> 30.0	6.4	6.1	222	0.5	0.6	< 6	21.3
GXR-4 Cert	4.01	64.5	11.1	1.66	155	310	10.0	45.0	42.0	52.0		160	1.77	4.80	5.60	30.89	6.60	5.60	221	0.790	0.360	0.970	22.5
GXR-4 Meas	3.9	64.2	6	1.72	144	325	10.1	45.9	50	47.6		151	1.71	4	5.1	> 30.0	7.0	6.1	223	0.5	0.5	< 6	23.0
GXR-4 Cert	4.01	64.5	11.1	1.66	155	310	10.0	45.0	42.0	52.0		160	1.77	4.80	5.60	30.89	6.60	5.60	221	0.790	0.360	0.970	22.5
NIST 696 Meas																							
NIST 696 Cert																							
NIST 696 Meas																							
NIST 696 Cert																							
NIST 696 Meas																							
NIST 696 Cert																							
NIST 696 Meas																							
NIST 696 Cert																							
NIST 696 Meas																							
NIST 696 Cert																							
ZW-C Meas		27.7	> 10000			4	202.6	26.6	10	73.3	9.1	> 5000	0.04	5			6.3	1150	15	82.7	1.4		43.9
ZW-C Cert		30.0	11300.00			4.30	198	25.0	11.0	80	9.5	8500		4.2			6.6	1300	17.0	82	1.20		43
ZW-C Meas													0.04										
ZW-C Cert																							
ZW-C Meas													0.06										
ZW-C Cert																							
OREAS 131a (Fusion) Meas										> 5000			4.80	45									
OREAS 131a (Fusion) Cert										17400.00			4.82	49									
OREAS 131a (Fusion) Meas										> 5000			4.51	49									
OREAS 131a (Fusion) Cert										17400.00			4.82	49									
OREAS 131a (Fusion) Meas										> 5000			4.81	49									
OREAS 131a (Fusion) Cert										17400.00			4.82	49									
OREAS 131a (Fusion) Meas										> 5000			4.91	50									
OREAS 131a (Fusion) Cert										17400.00			4.82	49									
OREAS 131a (Fusion) Meas										> 5000				49									
OREAS 131a														49									

Analyte Symbol	K	La	Li	Mg	Mn	Mo	Nb	Nd	Ni	Pb	Pr	Rb	S	Sb	Se	Si	Sm	Sn	Sr	Ta	Tb	Te	Th
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	0.4	3	0.01	3	1	2.4	0.4	10	0.8	0.1	0.4	0.01	2	0.8	0.01	0.1	0.5	3	0.2	0.1	6	0.1
Method Code	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
(Fusion) Cert										17400.00													
MP-1b Meas				0.03		282				> 5000			13.6	49		16.6		> 10000					
MP-1b Cert				0.024		285				20910.000			13.79	54.0		16.79		16100.000					
MP-1b Meas				0.02		295				> 5000			13.8	51		17.0		> 10000					
MP-1b Cert				0.024		285				20910.000			13.79	54.0		16.79		16100.000					
MP-1b Meas				0.02		287				> 5000			13.0	50		15.7		> 10000					
MP-1b Cert				0.024		285				20910.000			13.79	54.0		16.79		16100.000					
MP-1b Meas				0.02		294				> 5000			13.8	50		17.0		> 10000					
MP-1b Cert				0.024		285				20910.000			13.79	54.0		16.79		16100.000					
MP-1b Meas				0.02		297				> 5000			14.0	54		17.0		> 10000					
MP-1b Cert				0.024		285				20910.000			13.79	54.0		16.79		16100.000					
MP-1b Meas				0.03		288				> 5000			13.9	54		17.0		> 10000					
MP-1b Cert				0.024		285				20910.000			13.79	54.0		16.79		16100.000					
MP-1b Meas				0.02		283				> 5000			14.0	53		17.0		> 10000					
MP-1b Cert				0.024		285				20910.000			13.79	54.0		16.79		16100.000					
MP-1b Meas				0.02		276				> 5000			14.1	52		17.0		> 10000					
MP-1b Cert				0.024		285				20910.000			13.79	54.0		16.79		16100.000					
MP-1b Meas						292				> 5000				53				> 10000					
MP-1b Cert						285				20910.000				54.0				16100.000					
MP-1b Meas						291				> 5000				55				> 10000					
MP-1b Cert						285				20910.000				54.0				16100.000					
MP-1b Meas						284				> 5000				53				> 10000					
MP-1b Cert						285				20910.000				54.0				16100.000					
MP-1b Meas						299				> 5000				57				> 10000					
MP-1b Cert						285				20910.000				54.0				16100.000					
OREAS 101a (Fusion) Meas	2.2	759		1.16	934	19		384		6.4	138						50.5				5.6		35.2
OREAS 101a (Fusion) Cert	2.34	816		1.23	964	21.9		403		19	134						48.8				5.92		36.6
OREAS 101a (Fusion) Meas	2.1	770		1.13	980	19		382		3.4	129						49.0				6.0		32.0
OREAS 101a (Fusion) Cert	2.34	816		1.23	964	21.9		403		19	134						48.8				5.92		36.6
OREAS 101a (Fusion) Meas	2.4	764		1.26	903	19		385		4.2	130						48.2				5.7		33.1
OREAS 101a (Fusion) Cert	2.34	816		1.23	964	21.9		403		19	134						48.8				5.92		36.6
OREAS 101a (Fusion) Meas	2.3			1.23																			
OREAS 101a	2.34			1.23																			

Analyte Symbol	K	La	Li	Mg	Mn	Mo	Nb	Nd	Ni	Pb	Pr	Rb	S	Sb	Se	Si	Sm	Sn	Sr	Ta	Tb	Te	Th
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	0.4	3	0.01	3	1	2.4	0.4	10	0.8	0.1	0.4	0.01	2	0.8	0.01	0.1	0.5	3	0.2	0.1	6	0.1
Method Code	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
(Fusion) Cert																							
OREAS 13b (fusion) Meas					1320														454				
OREAS 13b (fusion) Cert					1300.000														537				
NCS DC86303 Meas			2110									1430											
NCS DC86303 Cert			2100.00									1330											
NCS DC86303 Meas			2310									1360											
NCS DC86303 Cert			2100.00									1330											
NCS DC86303 Meas			1940									1370											
NCS DC86303 Cert			2100.00									1330											
Lithium Tetraborate FX-LT 100 lot#220610B Meas	2.5			< 0.01									2.42			< 0.01							
Lithium Tetraborate FX-LT 100 lot#220610B Cert																							
Lithium Tetraborate FX-LT 100 lot#220610B Meas	2.4			< 0.01									2.62			0.05							
Lithium Tetraborate FX-LT 100 lot#220610B Cert																							
Lithium Tetraborate FX-LT 100 lot#220610B Meas	2.6			< 0.01									2.58			< 0.01							
Lithium Tetraborate FX-LT 100 lot#220610B Cert																							
OREAS 45d (4-Acid) Meas	0.4	16.6	20	0.24	513	< 1	17.0	15.0	220	16.2	4.0	41.4	0.08	< 2			2.9	1.1	37	1.0	0.5		14.6
OREAS 45d (4-Acid) Cert	0.412	16.9	21.50	0.245	490.000	2.500	14.50	13.4	231.0	21.8	3.70	42.1	0.049	0.82			2.80	2.78	31.30	1.02	0.400		14.5
OREAS 922 (Peroxide Fusion) Meas	2.5	38.7	29	1.58	836		13.2	35.4	40	54.6	9.6	170	0.37			> 30.0	6.3	8.5	51	1.6	1.1		15.4
OREAS 922 (Peroxide Fusion) Cert	2.60	45.6	28.8	1.61	880		15.2	38.9	43.4	64.0	10.6	167	0.389			30.51	7.31	10.0	58.0	1.33	1.02		17.7
OREAS 922 (Peroxide Fusion) Meas	2.5	39.7	35	1.64	921		15.1	38.1	40	61.6	10.9	177	0.37			> 30.0	7.1	8.8	56	1.4	1.0		17.8
OREAS 922 (Peroxide Fusion) Cert	2.60	45.6	28.8	1.61	880		15.2	38.9	43.4	64.0	10.6	167	0.389			30.51	7.31	10.0	58.0	1.33	1.02		17.7
OREAS 922 (Peroxide Fusion) Meas	2.5	41.3	26	1.65	825		15.9	39.0	40	191	9.9	171	0.35			> 30.0	7.2	9.2	66	1.1	1.0		16.6
OREAS 922 (Peroxide Fusion) Cert	2.60	45.6	28.8	1.61	880		15.2	38.9	43.4	64.0	10.6	167	0.389			30.51	7.31	10.0	58.0	1.33	1.02		17.7
OREAS 922 (Peroxide Fusion) Meas		46.2	28		877		15.0	40.8	40	56.4	11.0	164					7.8	8.5	62	1.0	1.0		17.6
OREAS 922		45.6	28.8		880		15.2	38.9	43.4	64.0	10.6	167					7.31	10.0	58.0	1.33	1.02		17.7

Analyte Symbol	K	La	Li	Mg	Mn	Mo	Nb	Nd	Ni	Pb	Pr	Rb	S	Sb	Se	Si	Sm	Sn	Sr	Ta	Tb	Te	Th
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	0.4	3	0.01	3	1	2.4	0.4	10	0.8	0.1	0.4	0.01	2	0.8	0.01	0.1	0.5	3	0.2	0.1	6	0.1
Method Code	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
(Peroxide Fusion) Cert																							
OREAS 922 (Peroxide Fusion) Meas		45.3	26		849		15.8	40.6	40	63.9	11.0	172					7.6	8.6	66	1.8	1.0		17.3
OREAS 922 (Peroxide Fusion) Cert		45.6	28.8		880		15.2	38.9	43.4	64.0	10.6	167					7.31	10.0	58.0	1.33	1.02		17.7
OREAS 621 (Peroxide Fusion) Meas	2.2	24.5		0.49	598	15	9.6	22.1		> 5000	6.3	92.0	4.59	149		28.5			96				8.6
OREAS 621 (Peroxide Fusion) Cert	2.23	26.1		0.516	554	13.5	10.4	24.2		13300	6.64	89.0	4.51	146		28.1			101				8.56
OREAS 621 (Peroxide Fusion) Meas	2.2	27.7		0.50	581	16	9.8	23.7		> 5000	6.7	88.0	4.56	142		28.0			94				8.7
OREAS 621 (Peroxide Fusion) Cert	2.23	26.1		0.516	554	13.5	10.4	24.2		13300	6.64	89.0	4.51	146		28.1			101				8.56
OREAS 621 (Peroxide Fusion) Meas	2.2	28.1		0.52	569	13	9.6	23.2		> 5000	6.4	83.5	4.60	147		27.9			96				8.0
OREAS 621 (Peroxide Fusion) Cert	2.23	26.1		0.516	554	13.5	10.4	24.2		13300	6.64	89.0	4.51	146		28.1			101				8.56
OREAS 621 (Peroxide Fusion) Meas	2.3	28.3		0.52	572	13	10.0	23.5		> 5000	6.4	91.7	4.75	152		28.2			105				8.1
OREAS 621 (Peroxide Fusion) Cert	2.23	26.1		0.516	554	13.5	10.4	24.2		13300	6.64	89.0	4.51	146		28.1			101				8.56
1607710 Orig	0.3	4.8	31	2.90	2350	< 1	6.3	11.4	30	< 0.8	2.1	15.1	< 0.01	< 2	2.3	24.5	4.1	< 0.5	171	0.3	1.0	< 6	0.6
1607710 Dup	0.3	4.8	30	2.97	2330	< 1	6.3	11.0	30	< 0.8	2.1	14.9	< 0.01	< 2	< 0.8	24.5	4.0	< 0.5	170	0.6	1.0	< 6	0.6
1607720 Orig	0.4	17.4	32	1.97	1230	< 1	7.8	23.5	160	< 0.8	5.6	36.3	< 0.01	< 2	< 0.8	27.9	4.8	< 0.5	216	0.2	0.6	< 6	1.3
1607720 Dup	0.4	17.7	32	1.96	1240	< 1	8.2	23.5	160	< 0.8	5.7	36.2	< 0.01	< 2	2.1	28.2	4.7	< 0.5	220	0.3	0.6	< 6	1.3
1607730 Orig	0.2			3.65									0.08			25.6							
1607730 Dup	0.2			3.61									0.02			25.0							
1607740 Orig	0.8	8.9	25	2.94	1360	1	5.0	15.9	100	< 0.8	3.2	29.0	0.07	< 2	5.3	24.0	3.7	< 0.5	644	< 0.2	0.5	< 6	1.2
1607740 Dup	0.8	7.7	26	2.92	1370	< 1	4.3	13.0	100	< 0.8	2.8	29.9	0.06	< 2	< 0.8	22.9	3.3	< 0.5	656	< 0.2	0.5	< 6	0.6
1607749 Orig	0.5	29.1	56	2.11	1590	< 1	9.9	39.1	90	99.6	9.7	15.3	< 0.01	< 2	0.9	24.5	6.6	< 0.5	481	0.3	0.7	< 6	2.6
1607749 Dup	0.5	28.7	57	2.08	1560	< 1	8.8	39.1	90	1.0	9.5	15.0	< 0.01	< 2	< 0.8	24.1	6.8	< 0.5	473	0.3	0.7	< 6	2.4
1607750 Orig	0.7	1.9	136	3.87	1640	< 1	4.6	6.1	70	< 0.8	0.9	27.6	0.06	< 2	< 0.8	22.8	2.9	< 0.5	160	< 0.2	0.7	< 6	0.3
1607750 Split PREP DUP	0.7	1.7	132	3.94	1610	1	5.4	6.0	70	< 0.8	0.9	27.7	0.18	< 2	< 0.8	23.1	2.6	< 0.5	160	< 0.2	0.7	< 6	0.3
1607760 Orig	0.1	1.9	105	3.45	1520	< 1	< 2.4	3.9	30	10.5	0.7	1.8	< 0.01	< 2	< 0.8	25.5	1.5	< 0.5	101	< 0.2	0.4	< 6	0.4
1607760 Dup	0.1	2.1	111	3.43	1650	< 1	< 2.4	4.5	40	11.5	0.9	2.0	< 0.01	< 2	4.9	25.7	1.8	< 0.5	115	< 0.2	0.4	< 6	0.5
1607770 Orig	0.2	1.4	70	4.23	1430	< 1	2.6	4.2	70	4.4	0.6	5.1	< 0.01	< 2	1.9	25.5	1.5	0.7	111	< 0.2	0.5	< 6	0.8
1607770 Dup	0.2	1.1	68	4.24	1390	< 1	< 2.4	3.5	40	3.9	0.5	4.9	< 0.01	< 2	2.4	25.5	1.4	< 0.5	104	< 0.2	0.5	< 6	0.6
1607810 Orig	1.3	17.9	54	0.94	419	< 1	8.5	14.2	30	18.3	3.9	42.5	< 0.01	< 2	< 0.8	> 30.0	2.4	< 0.5	349	0.9	0.3	< 6	5.4
1607810 Dup	1.3	18.7	54	0.93	415	< 1	7.8	14.8	30	19.2	4.0	43.4	< 0.01	< 2	< 0.8	> 30.0	2.6	0.6	339	0.4	0.3	< 6	5.7
1607820 Orig	1.4	14.2	24	0.71	574	13	8.0	12.7	30	17.7	3.4	53.1	0.03	< 2	< 0.8	> 30.0	2.5	< 0.5	374	0.6	0.3	< 6	5.2
1607820 Dup	1.4	15.6	24	0.66	499	1	6.0	12.5	30	22.1	3.4	53.4	0.03	< 2	< 0.8	> 30.0	2.4	< 0.5	346	0.3	0.3	< 6	5.1

Analyte Symbol	K	La	Li	Mg	Mn	Mo	Nb	Nd	Ni	Pb	Pr	Rb	S	Sb	Se	Si	Sm	Sn	Sr	Ta	Tb	Te	Th
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	0.4	3	0.01	3	1	2.4	0.4	10	0.8	0.1	0.4	0.01	2	0.8	0.01	0.1	0.5	3	0.2	0.1	6	0.1
Method Code	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
128151 Orig	0.3	4.7	313	2.99	1730	< 1	6.1	11.0	60	< 0.8	2.1	19.0	0.02	< 2	< 0.8	24.5	3.5	< 0.5	242	1.0	0.7	< 6	< 0.1
128151 Dup	0.3	4.8	316	3.00	1720	< 1	4.6	11.0	60	1.4	2.0	18.8	0.04	< 2	< 0.8	24.1	3.5	< 0.5	239	< 0.2	0.7	< 6	< 0.1
128152 Orig	0.1	5.7	69	0.47	1010	< 1	5.3	11.7	40	< 0.8	2.2	18.6	0.13	< 2	< 0.8	26.5	3.4	40.4	65	< 0.2	0.7	< 6	0.4
128152 Split PREP DUP	0.1	4.6	55	0.48	818	< 1	4.0	8.9	30	4.7	1.8	14.7	0.16	< 2	< 0.8	27.2	2.7	32.1	54	< 0.2	0.6	< 6	0.3
128162 Orig	0.2	11.4	86	1.23	2710	< 1	7.5	21.7	< 10	2.6	4.7	7.7	0.04	< 2	< 0.8	22.0	6.8	2.1	400	0.4	1.6	< 6	1.3
128162 Dup	0.2	11.7	86	1.22	2720	1	7.6	22.0	< 10	2.4	4.8	7.6	0.04	< 2	2.3	21.9	6.8	1.8	394	0.5	1.7	< 6	2.0
128172 Orig	< 0.1	4.4	77	0.95	1190	1	24.8	9.8	< 10	2.4	2.1	11.2	0.01	< 2	3.0	29.0	4.5	< 0.5	128	1.2	2.2	< 6	3.2
128172 Dup	< 0.1	4.6	71	0.95	1190	< 1	26.0	10.3	< 10	< 0.8	2.1	10.6	0.02	< 2	2.3	29.0	4.3	< 0.5	133	1.2	2.3	< 6	3.2
128182 Orig	0.3	8.9	82	3.27	2400	< 1	10.1	10.9	50	1.6	2.5	46.4	0.06	< 2	3.7	20.4	4.0	9.4	266	0.6	1.1	< 6	1.2
128182 Dup	0.3	7.0	71	3.36	2170	1	10.7	11.5	70	1.7	2.6	48.1	0.06	< 2	2.9	20.9	3.5	8.9	249	0.7	1.1	< 6	1.1
128192 Orig	0.5	6.9	146	1.84	2040	2	5.9	14.8	50	6.7	3.2	44.9	0.06	< 2	< 0.8	22.1	3.9	2.4	43	0.4	1.0	< 6	0.7
128192 Dup	0.5	6.6	149	1.85	2070	2	6.1	14.3	50	< 0.8	3.1	46.4	0.07	< 2	1.5	22.3	3.9	1.8	44	0.4	1.0	< 6	0.7
128201 Orig	0.5	4.7	992	3.39	1120	2	12.6	11.1	90	< 0.8	2.4	85.2	< 0.01	< 2	1.3	24.9	3.6	< 0.5	561	0.8	0.7	< 6	1.4
128201 Dup	0.5	4.8	994	3.38	1160	< 1	13.2	11.7	90	< 0.8	2.4	87.7	< 0.01	< 2	1.3	25.0	3.8	< 0.5	591	0.8	0.7	< 6	1.4
128202 Orig	2.5	< 0.4	85	< 0.01	74	< 1	56.0	< 0.4	< 10	6.1	< 0.1	3770	< 0.01	< 2	13.1	28.3	< 0.1	99.7	11	82.1	< 0.1	< 6	0.3
128202 Split PREP DUP	2.4	< 0.4	82	0.01	80	< 1	50.4	< 0.4	< 10	7.0	< 0.1	3770	< 0.01	< 2	< 0.8	> 30.0	< 0.1	90.8	11	76.7	< 0.1	< 6	0.4
128217 Orig	0.7	6.6	118	2.38	4130	2	10.0	13.2	30	< 0.8	2.9	36.9	0.03	< 2	< 0.8	20.0	4.5	< 0.5	78	0.7	1.7	< 6	1.3
128217 Dup	0.7	6.7	124	2.38	4090	2	10.1	13.6	30	2.3	2.9	38.4	0.03	< 2	1.1	19.2	4.8	0.8	83	2.5	1.7	< 6	1.4
Method Blank	< 0.1			< 0.01									< 0.01			0.01							
Method Blank	< 0.1			< 0.01									0.06			0.01							
Method Blank	< 0.1	< 0.4	< 3	< 0.01	< 3	< 1	2.9	< 0.4	10	< 0.8	< 0.1	< 0.4	< 0.01	< 2	< 0.8	< 0.01	< 0.1	< 0.5	8	< 0.2	< 0.1	< 6	< 0.1
Method Blank	< 0.1			< 0.01									< 0.01			< 0.01							
Method Blank	< 0.1	< 0.4	< 3	< 0.01	3	< 1	3.0	< 0.4	10	< 0.8	< 0.1	< 0.4	< 0.01	< 2	3.5	< 0.01	< 0.1	< 0.5	7	< 0.2	< 0.1	< 6	< 0.1
Method Blank	< 0.1	< 0.4	< 3	< 0.01	< 3	2	< 2.4	< 0.4	< 10	< 0.8	< 0.1	< 0.4	< 0.01	< 2	< 0.8	0.03	< 0.1	< 0.5	4	0.2	< 0.1	< 6	0.3
Method Blank	< 0.1	< 0.4	< 3	< 0.01	3	< 1	< 2.4	< 0.4	20	< 0.8	< 0.1	< 0.4	< 0.01	< 2	1.2	< 0.01	< 0.1	< 0.5	< 3	< 0.2	< 0.1	< 6	< 0.1
Method Blank	< 0.1			< 0.01									< 0.01			< 0.01							
Method Blank	< 0.1	< 0.4	< 3	< 0.01	< 3	2	< 2.4	< 0.4	10	< 0.8	< 0.1	< 0.4	< 0.01	< 2	< 0.8	< 0.01	< 0.1	< 0.5	< 3	< 0.2	< 0.1	< 6	< 0.1
Method Blank		< 0.4	< 3		5	< 1	< 2.4	< 0.4	< 10	< 0.8	< 0.1	0.4		< 2	< 0.8		< 0.1	< 0.5	9	< 0.2	< 0.1	< 6	< 0.1
Method Blank		< 0.4	3		6	< 1	3.1	< 0.4	70	1.0	< 0.1	1.7		< 2	< 0.8		< 0.1	< 0.5	< 3	3.2	< 0.1	< 6	< 0.1

Analyte Symbol	Ti	Tl	Tm	U	V	W	Y	Yb	Zn
Unit Symbol	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.1	0.1	0.1	5	0.7	0.1	0.1	30
Method Code	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
GXR-1 Meas	0.03	0.4	0.4	34.6	87	155	31.0	2.2	810
GXR-1 Cert	0.036	0.390	0.430	34.9	80.0	164	32.0	1.90	760
GXR-1 Meas	0.03	0.3	0.4	35.7	84	180	31.4	2.2	760
GXR-1 Cert	0.036	0.390	0.430	34.9	80.0	164	32.0	1.90	760
GXR-1 Meas		0.4	0.4	36.3	87	188	29.3	2.5	830
GXR-1 Cert		0.390	0.430	34.9	80.0	164	32.0	1.90	760
GXR-1 Meas		< 0.1	0.4	34.8	84	172	33.2	2.2	780
GXR-1 Cert		0.390	0.430	34.9	80.0	164	32.0	1.90	760
GXR-4 Meas	0.29	3.4	0.2	6.4	96	32.5	15.6	1.1	90
GXR-4 Cert	0.29	3.20	0.210	6.20	87.0	30.8	14.0	1.60	73.0
GXR-4 Meas	0.28	3.1	0.2	5.8	89	31.9	14.9	1.0	60
GXR-4 Cert	0.29	3.20	0.210	6.20	87.0	30.8	14.0	1.60	73.0
GXR-4 Meas	0.29	3.3	0.1	6.5	95	33.2	12.6	1.1	70
GXR-4 Cert	0.29	3.20	0.210	6.20	87.0	30.8	14.0	1.60	73.0
NIST 696 Meas					376				
NIST 696 Cert					403.0000				
NIST 696 Meas					387				
NIST 696 Cert					403.0000				
NIST 696 Meas					366				
NIST 696 Cert					403.0000				
NIST 696 Meas					414				
NIST 696 Cert					403.0000				
NIST 696 Meas					393				
NIST 696 Cert					403.0000				
ZW-C Meas		36.8	1.6	19.3	6	307	34.5	13.9	990
ZW-C Cert		34	1.60	20.0	6.0	320	33.0	14	1050.000
ZW-C Meas									
ZW-C Cert									
ZW-C Meas									
ZW-C Cert									
OREAS 131a (Fusion) Meas									> 10000
OREAS 131a (Fusion) Cert									28400.00
OREAS 131a (Fusion) Meas									> 10000
OREAS 131a (Fusion) Cert									28400.00
OREAS 131a (Fusion) Meas									> 10000
OREAS 131a (Fusion) Cert									28400.00
OREAS 131a (Fusion) Meas									> 10000
OREAS 131a									

Analyte Symbol	Ti	Tl	Tm	U	V	W	Y	Yb	Zn
Unit Symbol	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.1	0.1	0.1	5	0.7	0.1	0.1	30
Method Code	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
(Fusion) Cert									28400.00
OREAS 131a (Fusion) Meas									> 10000
OREAS 131a (Fusion) Cert									28400.00
MP-1b Meas						1040			> 10000
MP-1b Cert						1100.000			166700.00
MP-1b Meas						1080			> 10000
MP-1b Cert						1100.000			166700.00
MP-1b Meas						1080			> 10000
MP-1b Cert						1100.000			166700.00
MP-1b Meas						1080			> 10000
MP-1b Cert						1100.000			166700.00
MP-1b Meas						1120			> 10000
MP-1b Cert						1100.000			166700.00
MP-1b Meas						1070			> 10000
MP-1b Cert						1100.000			166700.00
MP-1b Meas						1050			> 10000
MP-1b Cert						1100.000			166700.00
MP-1b Meas						1130			> 10000
MP-1b Cert						1100.000			166700.00
MP-1b Meas						1140			> 10000
MP-1b Cert						1100.000			166700.00
MP-1b Meas						1080			> 10000
MP-1b Cert						1100.000			166700.00
MP-1b Meas						1110			> 10000
MP-1b Cert						1100.000			166700.00
MP-1b Meas						1150			> 10000
MP-1b Cert						1100.000			166700.00
OREAS 101a (Fusion) Meas	0.39		2.9	433	80		177	17.9	
OREAS 101a (Fusion) Cert	0.395		2.90	422	83		183	17.5	
OREAS 101a (Fusion) Meas	0.40		2.9	412	84		198	17.6	
OREAS 101a (Fusion) Cert	0.395		2.90	422	83		183	17.5	
OREAS 101a (Fusion) Meas	0.39		2.8	418	77		195	17.1	
OREAS 101a	0.395		2.90	422	83		183	17.5	

Analyte Symbol	Ti	Tl	Tm	U	V	W	Y	Yb	Zn
Unit Symbol	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.1	0.1	0.1	5	0.7	0.1	0.1	30
Method Code	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
(Fusion) Cert									
OREAS 101a (Fusion) Meas	0.39								
OREAS 101a (Fusion) Cert	0.395								
OREAS 13b (fusion) Meas					303				
OREAS 13b (fusion) Cert					330				
NCS DC86303 Meas						7.5			
NCS DC86303 Cert						8.9			
NCS DC86303 Meas						7.8			
NCS DC86303 Cert						8.9			
NCS DC86303 Meas						7.7			
NCS DC86303 Cert						8.9			
Lithium Tetraborate FX-LT 100 lot#220610B Meas									
Lithium Tetraborate FX-LT 100 lot#220610B Cert									
Lithium Tetraborate FX-LT 100 lot#220610B Meas									
Lithium Tetraborate FX-LT 100 lot#220610B Cert									
Lithium Tetraborate FX-LT 100 lot#220610B Meas									
Lithium Tetraborate FX-LT 100 lot#220610B Cert									
OREAS 45d (4-Acid) Meas	0.88	0.2		3.2	260	< 0.7	17.0	2.0	50
OREAS 45d (4-Acid) Cert	0.773	0.27		2.63	235.0	1.62	9.53	1.33	45.7
OREAS 922 (Peroxide Fusion) Meas	0.43	0.8	0.4	3.2	94		30.6	2.6	260
OREAS 922 (Peroxide Fusion) Cert	0.439	0.880	0.510	3.59	92.0		31.1	3.17	277
OREAS 922 (Peroxide Fusion) Meas	0.44	0.8	0.5	3.5	89		30.3	2.9	260
OREAS 922 (Peroxide Fusion) Cert	0.439	0.880	0.510	3.59	92.0		31.1	3.17	277
OREAS 922 (Peroxide Fusion) Meas	0.44	0.6	0.4	3.4	90		33.2	2.7	250
OREAS 922 (Peroxide Fusion) Cert	0.439	0.880	0.510	3.59	92.0		31.1	3.17	277

Analyte Symbol	Ti	Tl	Tm	U	V	W	Y	Yb	Zn
Unit Symbol	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.1	0.1	0.1	5	0.7	0.1	0.1	30
Method Code	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
OREAS 922 (Peroxide Fusion) Meas		0.8	0.4	3.6	101		31.2	3.0	270
OREAS 922 (Peroxide Fusion) Cert		0.880	0.510	3.59	92.0		31.1	3.17	277
OREAS 922 (Peroxide Fusion) Meas		0.9	0.4	3.6	95		30.9	2.9	260
OREAS 922 (Peroxide Fusion) Cert		0.880	0.510	3.59	92.0		31.1	3.17	277
OREAS 621 (Peroxide Fusion) Meas	0.19	2.1		2.9	31	1.6	13.4	1.1	> 10000
OREAS 621 (Peroxide Fusion) Cert	0.181	1.99		3.00	36.3	2.63	13.9	1.03	52200
OREAS 621 (Peroxide Fusion) Meas	0.19	2.2		3.1	31	2.4	13.3	1.1	> 10000
OREAS 621 (Peroxide Fusion) Cert	0.181	1.99		3.00	36.3	2.63	13.9	1.03	52200
OREAS 621 (Peroxide Fusion) Meas	0.18	2.1		2.8	38	< 0.7	10.9	1.0	> 10000
OREAS 621 (Peroxide Fusion) Cert	0.181	1.99		3.00	36.3	2.63	13.9	1.03	52200
OREAS 621 (Peroxide Fusion) Meas	0.18	2.2		2.9	37	0.8	11.1	1.0	> 10000
OREAS 621 (Peroxide Fusion) Cert	0.181	1.99		3.00	36.3	2.63	13.9	1.03	52200
1607710 Orig	1.05	< 0.1	0.5	0.2	373	< 0.7	37.2	3.6	50
1607710 Dup	1.05	0.1	0.5	0.2	370	< 0.7	36.7	3.4	50
1607720 Orig	0.73	0.2	0.2	0.2	156	10.8	15.8	1.7	100
1607720 Dup	0.73	0.2	0.2	0.3	159	11.0	16.0	1.7	90
1607730 Orig	0.71								
1607730 Dup	0.71								
1607740 Orig	0.70	0.2	0.3	0.3	204	< 0.7	16.8	1.8	100
1607740 Dup	0.68	0.2	0.3	0.2	199	< 0.7	16.3	1.7	100
1607749 Orig	0.74	< 0.1	0.2	0.5	153	< 0.7	19.0	1.6	120
1607749 Dup	0.74	< 0.1	0.3	0.4	146	< 0.7	17.6	1.6	90
1607750 Orig	0.97	0.1	0.4	0.1	389	< 0.7	27.5	2.8	250
1607750 Split PREP DUP	0.98	< 0.1	0.4	0.1	381	< 0.7	28.7	2.7	240
1607760 Orig	0.52	< 0.1	0.2	< 0.1	349	11.1	14.2	1.8	90
1607760 Dup	0.51	< 0.1	0.3	0.1	379	< 0.7	16.3	2.0	100
1607770 Orig	0.48	< 0.1	0.3	0.3	300	< 0.7	17.9	1.8	50
1607770 Dup	0.49	< 0.1	0.3	0.2	287	< 0.7	16.1	1.8	70
1607810 Orig	0.34	0.5	0.2	1.6	95	< 0.7	9.8	1.1	80

Analyte Symbol	Ti	Tl	Tm	U	V	W	Y	Yb	Zn
Unit Symbol	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.1	0.1	0.1	5	0.7	0.1	0.1	30
Method Code	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
1607810 Dup	0.33	0.4	0.1	1.5	95	< 0.7	7.6	1.0	100
1607820 Orig	0.28	0.4	0.1	1.5	73	13.6	10.0	1.0	70
1607820 Dup	0.28	0.4	0.1	1.2	71	< 0.7	7.4	1.0	60
128151 Orig	1.07	0.3	0.3	0.1	227	< 0.7	20.4	1.8	150
128151 Dup	1.06	0.1	0.3	< 0.1	232	< 0.7	20.7	1.7	160
128152 Orig	0.89	0.4	0.4	0.3	287	39.2	26.0	2.8	80
128152 Split PREP DUP	0.89	0.3	0.3	0.2	235	28.0	20.0	2.2	80
128162 Orig	1.27	< 0.1	0.9	0.3	87	5.2	53.6	5.4	220
128162 Dup	1.25	< 0.1	0.9	0.3	88	5.4	53.0	5.6	210
128172 Orig	0.60	0.3	2.1	0.8	22	1.5	116	13.3	80
128172 Dup	0.60	0.1	2.1	0.9	20	1.9	115	13.5	80
128182 Orig	1.22	0.2	0.7	0.3	403	< 0.7	38.5	4.3	160
128182 Dup	1.23	0.3	0.7	0.3	396	2.5	38.2	4.0	170
128192 Orig	1.08	0.7	0.6	0.2	328	3.6	33.9	3.7	200
128192 Dup	1.09	0.7	0.6	0.2	337	3.9	34.6	3.7	200
128201 Orig	0.86	0.6	0.3	0.4	187	< 0.7	19.7	1.9	90
128201 Dup	0.88	0.6	0.3	0.4	194	< 0.7	20.5	1.8	90
128202 Orig	< 0.01	30.0	< 0.1	74.4	< 5	1.2	0.1	< 0.1	30
128202 Split PREP DUP	< 0.01	28.1	< 0.1	3.7	< 5	2.8	0.1	< 0.1	30
128217 Orig	0.79	< 0.1	1.2	0.5	151	< 0.7	68.3	7.7	210
128217 Dup	0.77	< 0.1	1.2	0.6	153	< 0.7	69.4	7.3	210
Method Blank	< 0.01								
Method Blank	< 0.01								
Method Blank	< 0.01	< 0.1	< 0.1	0.3	< 5	< 0.7	1.1	< 0.1	< 30
Method Blank	< 0.01								
Method Blank	< 0.01	< 0.1	< 0.1	0.1	< 5	< 0.7	< 0.1	< 0.1	30
Method Blank	< 0.01	< 0.1	< 0.1	0.1	< 5	0.9	< 0.1	< 0.1	< 30
Method Blank	< 0.01	< 0.1	< 0.1	< 0.1	< 5	< 0.7	< 0.1	< 0.1	< 30
Method Blank	< 0.01								
Method Blank	< 0.01	< 0.1	< 0.1	< 0.1	< 5	< 0.7	< 0.1	< 0.1	< 30
Method Blank		< 0.1	< 0.1	< 0.1	< 5	< 0.7	< 0.1	< 0.1	< 30
Method Blank		< 0.1	< 0.1	< 0.1	< 5	1.1	< 0.1	< 0.1	< 30

APPENDIX IV
2017 Diamond Drilling Logs and Legend

MF17-39 Drill Log Header Sheet

HoleID	Hole Start	Hole End	UTM E	UTM N	Elev_m	Length_m	Az	Dip	UTM Zn	Datum	Drill Contractor	Core Size	Area	Claim
MF17-39	02 Jan 17	05 Feb 17	524382	5518032	420	179	80	-75	15	NAD83	Distinctive Drilling	NQ	Deep Peg	K498290

Log Start	Log End	Geo	Tech
02 Mar 17	06 Feb 17	DM	GS

Check List

GEO_log tabs						TECH_log tabs					TECH_PROCESSES		Data Entry
Litho_Major	Litho_Minor	Samples	Alteration	Quick log	Header	Box Intervals	RQD	Orientation Lo	Core Or. Measur.	MS	Sampling	Photos	Survey
YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	NO	YES	YES

Target:	Drillholes testing across the main highly mineralized pegmatite around DDH 11-12. Also intended to drill test through an inferred NW trending structure. Collar was adjusted to accommodate tight area. New position was plugged in to Target for directional adjustment
Stopped for:	end of design and beyond target depth
Result:	This drillhole intersected several highly mineralized pegmatite bodies. A narrow, but well mineralized pegmatite with aplite and megacrystic spodumene crystals is emplaced from 48.95 to 52.75m. A second, wider and more homogenous pegmatite body occurs from 79.60 to 99.3m. This pegmatite a narrow hangingwall and a multi-meter footwall marginal aplite zones with a relatively homogenous intermediate zone of CG to VCG light cream green green spodumene crystals, smoky grey quartz and megacrsytic albite. Another wide marginal aplite pegmatite occurs from 154.5-161.05m. Holmquiatite is very prevalent along the MV contacts rocks adjacent to the deepest/last tourmaline aplite pegmatite. The host rock rock predominantly comprised various phases of mafic metavolcanic rocks. Generally foliation measurements within the MV host rock had a gernal E-W trend and a moderate to steep dip to the North.

Depth (m)	Azimuth (true)°	Dip °
23	77.6	-68.5
50	77.4	-68.3
101	82.2	-67.2
26	39.5	-68.6

Hole_ID	From	To	Litho_Cod	Lithology	Description
MF17-39	0.00	7.50	ovbd	Casing	
MF17-39	7.50	8.40	ovbd	Overburden	blocky granite and gravel
MF17-39	8.40	48.95	mv	Mafic Volcanics with locally interbedde	green-grey fine grained MV with 3-5cm banding parallel to foliation (silicified/carbonated?). fine grained metamorphic biotite (3-5%) throughout; weakly chloritized; chloritization increases in 5-15mm margins of carbonated? banding. Local 2-3% disseminated pyrrhotite at 18.55-19.00m; elongate crystals within foliation. Sporadic quartz replacement parallel to sub parallel to foliation; 3-5cm with irregular chloritized selvages. Intense biotite alteration in MV (3-5cm at contact)
MF17-39	48.95	52.75	peg	Pegmatite	Light pink cg-vcg albite-quartz-muscovite-spodumene pegmatite. Core zone flanked by aplite pegmatite zones at contacts with country rock. Sharp, slightly irregular-undulatory top and bottom contact with MV at high angle to regional foliation.
MF17-39	52.75	53.00	mv	Mafic Volcanics	Dark grey MV, intense fg-mg biotite alteration throughout, increasing in intensity within 5cm of contacts with pegmatite (20% of section).
MF17-39	53.00	54.10	peg	Pegmatite	pink-white albite-quartz-tourmaline pegmatite. Sharp, very irregular-undulatory contacts with MV at high angle to regional foliation. Irregular contact with MV appearing throughout section; likely a thin irregular pegmatite stringer/horsetail.
MF17-39	54.10	79.60	mv	Mafic Volcanics	Dark greenish grey fine grained MV with trace to 1% fine grained metamorphic biotite (locally chloritized with minor epidote). Minor (tr-2%) fg actinolite sporadically throughout; concentrated within 2-3m of pegmatite.
MF17-39	79.60	99.30	peg	Qtz-spd	Predominantly grey megacrystic quartz-spodumene-albite. Marginal aplites at contacts with MV and ~5%, 10-30cm aplite zones interspersed throughout. Internal zonation contacts are gradational over 5-10cm.
MF17-39	99.30	125.65	mv	Mafic Volcanics	grey green vfg MV with regular 3-5cm green grey and 5-15mm light grey banding (carbonated?), weakly chloritized, rare 1-3% fg biotite (metamorphic); sporadic (<5%) 5-10cm felsic dyklettes, albite-tourmaline-grt pegmatite
MF17-39	125.65	125.95	peg	Cleavelandite-quartz-tourmaline-beryl	cleavelandite replacing relic comb structure with quartz tourmaline core. Rare beryl?
MF17-39	125.95	135.80	mv	Mafic Volcanics	grey green vfg MV, moderately chloritized with regular 3-5cm green grey and 5-15mm light grey banding (carbonated?). 131.0-135.8m quartz veins (25%) and tourmalinitized (>30%) MV. Gently folded, regionally foliation at low angle tca, fold axis at high angle tca, 5-25mm wavelength open parasitic folds sporadically throughout.
MF17-39	135.80	136.65	peg	Cleavelandite-quartz-tourmaline pegm	Pink-white cleavelandite
MF17-39	136.65	137.25	mv	Mafic Volcanics	grey green vfg MV, moderately foliated, moderately chloritized with regular 3-5cm green grey and 5-15mm light grey banding (carbonated?). 131.0-135.8m quartz veins (25%) and tourmalinitized (>30%) MV. Gently folded, regionally foliation at low angle tca, fold axis at high angle tca, 5-25mm wavelength open parasitic folds sporadically throughout. 15mm band of pyrrhotite (5%) associated with grey silicified bands in (felsic layer? tuff?); folded same as MV.
MF17-39	137.25	145.35	peg	Pegmatite	pink aplite (k-spar replaced) interspersed with cg quartz zones.
MF17-39	145.35	154.50	mv	Mafic Volcanics	dark grey MV, 2-5% fg biotite (metamorphic?) throughout. fg needle-like dark actinolite (tr-1%) spatially associated with carbonated bands. Possible weak holmquestite alteration near bottom contact with pegmatite dyke. Local (<1%) 5-7mm irregular quartz carbonate veinlets with blebby pyrrhotite+pyrite infill roughly parallel to sub parallel tca.
MF17-39	154.50	161.05	peg	Pegmatite	Pink white cg albite with smoky quartz, locally altered to k-spar. 4e zones (35% of section) contain anhedral blocky quartz, resorbed pink-white albite and fine grained grey sugary albite and sericite replacement. 4d pink saccroidal fg k-spar aplite zone (60% of section) with fg smoky quartz, minor sericite, and weak flow banding. subhedral to euhedral 3-8mm black tourmaline (8-12%) throughout. Contacts are gradational (strongly altered MV wall rock over 5-7cm true thickness) and nearly parallel to regional foliation (5% of section). regional foliation folds slightly to contact parallel within 25cm of contact
MF17-39	161.05	174.30	mv	Mafic Volcanics	dark blue grey to green MV with regular 1-5cm (avg 3cm) bands parallel to regional foliation alternating blue grey to light grey and green, 2-5% fg biotite (metamorphic?) throughout. fg needle-like dark actinolite (tr-1%) spatially associated with carbonated bands. ~1% pyrrhotite concentrated along 3-5mm carbonated bands
MF17-39	174.30	174.85	peg	Pegmatite	white-pinkish albite aplite
MF17-39	174.85	179.00	mv	Mafic Volcanics	dark blue grey to green MV with regular 1-5cm (avg 3cm) bands, parallel to regional foliation, alternating blue grey and green, 2-5% fg biotite (metamorphic?) throughout. fg needle-like dark actinolite (tr-1%) spatially associated with carbonated bands. 2-5% 5-7mm bands of pyrrhotite associated with strongly chloritized bands (10-15mm) with relic tr-1%cordierite? replaced by bt? (2-3mm oval patches).

ddh	from	to	lithcode	GLCode	Lithology	Description
MF17-39	17.4	22.25			Mafic volcanics - sediments	sporadic 5-15mm foliation and flow parallel? bands (possible metasedimentary rock interlayered within volcanic rocks) containing 2-5mm anhedral to subhedral pink garnet porphyroblasts; minor biotite replacement
MF17-39	31.95	32	qv			3 cm quartz vein with abundant (60%) bt? porphyroblasts and minor (5%) pyrite
MF17-39	48.95	51.5	4a			pink to white albite (35-40%) 25cm next to contact. very coarse grained to megacrystic (5-10cm anhedral crystals), pinker near pegmatite margins (k-spar?); grey to smoky quartz (35-45%) very coarse grained (3-5cm anhedral to subhedral); abundant white-greenish mica/muscovite (10-15%) on margins of feldspar crystals and possibly replacing subhedral to euhedral spodumene; local greenish white spodumene (5-15%), 1-2cm subhedral spodumene, intensely resorbed and few anhedral spodumene crystals >5cm with subhedral to euhedral 1-5cm elongate quartz inclusions, larger crystals are typically fractured with minor resorption textures and muscovite replacement on grain boundaries; fine grained blueish apatite?(trace-1%) from 50.00 to 50.20m in 5-10mm patches; rare (trace) 1-5mm needle to blebby dark grey vitreous tourmaline @ 50.05-50.15m. Sporadic (1-2%) strongly silicified rounded and fractured 3-5cm MV
MF17-39	51.5	52.1	4d			pinkish white aplite, fg tabular albite (35%; cleavelandite) and quartz (35%) matrix with 3-7cm, resorbed anhedral albite crystals with k-spar rims (25%). Sporadic fg green yellow sericite-muscovite masses 5-25mm (5%).
MF17-39	52.1	52.75	4d			pinkish white aplite with abundant 2-5cm rounded and fractured, intensely albitised and silicified MV xenoliths.
MF17-39	53	54.1	4a			pink-white mg-cg albite-quartz-tourmaline pegmatite. 5-15mm subhedral quartz crystals (40%); fine grained albite matrix (30%); sporadic 2-15mm long x 1-3mm wide black tourmaline (5-10%) concentrated near contact with MV; 20% intensely biotitized MV.
MF17-39	79.6	80	4d			pink white aplite; vfg pinkish white albite/k-spar matrix (75%); 5-15mm subhedral to anhedral quartz crystals (15-20%); 5% fg sericite throughout, concentrated on crystal margins.
MF17-39	80	81.6	4b			grey to pinkish megacrystic spodumene-quartz pegmatite. 30cmx5cm spodumene crystals (45%), subhedral, fractured and partially rounded with preferential alignment; vcg smoky quartz (25-35%); 15% cg pink albite; fg greenish yellow sericite on spodumene crystal margins. Trace-1% 3-5mm subhedral dark blue apatite.
MF17-39	81.6	89.65	4a		Quartz-rich pegmatite with aplite	pinkish white and grey quartz-albite-spodumene. Cg-vcg smoky grey quartz (45%) matrix, anhedral; grey to pinkish vcg albite (35%); cg pale green white spodumene (10-15%), anhedral to subhedral; sporadic 10-20cm pink-white vfg albite-qtz aplite zones (5%) with flow banding?. tr-1% 5-10mm irregular patches of pink garnet.
MF17-39	89.65	90.6	4b			55% pale green spodumene mg (5-55mm; avg 25mm) anhedral with poikolitic quartz and resorption textures. Mineral alignment. Moderate sericitization (3-5%) of spodumene crystal margins. 40% mg-cg anhedral smoky quartz matrix. Tr-1% subhedral 2-5mm dark blue apatite throughout. 1% 5-10mm irregular patches of pink garnet.
MF17-39	90.6	90.9	4d			pink-white vfg albite-qtz aplite zone with flow banding?. 3-5% fg-mg muscovite along flow banding.
MF17-39	90.9	92.1	4a		Quartz-rich pegmatite with aplite	pinkish white and grey quartz-albite-spodumene. Cg-vcg smoky grey quartz (45%) matrix, anhedral; grey to pinkish vcg albite (35%); cg pale green white spodumene (10-15%), anhedral to subhedral; sporadic 10-20cm pink-white vfg albite-qtz aplite zones (5%) with flow banding?. tr-1% 5-10mm irregular patches of pink garnet.
MF17-39	92.1	93.05	4b			65% pale green spodumene mg (5-35mm; avg 15mm) anhedral with poikolitic quartz and resorption textures. Mineral alignment. Moderate sericitization (3-5%) of spodumene crystal margins. 25% mg-fg anhedral smoky quartz matrix. 1% 5-10mm irregular patches of
MF17-39	93.05	93.85	4a			35% vcg anhedral pink feldspar (albite with k-spar?); 45% fg-mg anhedral smoky quartz matrix; 5% pale green anhedral resorbed spodumene; moderately sericitized (3-5%) on spodumene and feldspar crystal boundaries; tr-1% 5-10mm irregular pink garnet.
MF17-39	93.85	97.9	4b		Spodumene-rich pegmatite with aplite zones	45% pale green spodumene mg (5-35mm; avg 15mm) anhedral with poikolitic quartz and resorption textures. Mineral alignment. Moderate sericitization (3-5%) of spodumene crystal margins. 35% mg-fg anhedral smoky quartz matrix. sporadic (5%) pink aplite zones, 5-10cm; localised anhedral cg pink feldspar (albite?) 5-10%; 1% 5-10mm irregular patches of pink garnet. rare tr-1% 3-7mm dark blue
MF17-39	97.9	99.3	4d			pink white aplite; vfg pinkish white albite/k-spar matrix (75%); 5-15mm subhedral to anhedral quartz crystals (15-20%); 5% fg sericite throughout, concentrated on crystal margins. Irregular bottom contact with MV at high angle to regional foliation.
MF17-39	125.65	125.95	4f		Cleavelandite-qtz-tur-beryl pegmatite dyklette	white-pink mg tabular albite (cleavelandite) (65%); 25% mg-cg quartz in core; 5-7% subhedral 13mm black tourmaline; 2-3% 1-3mm pink garnet; rare (trace) pale grey beryl? 3-12mm, hexagonal cross section; relic comb structure? replaced by cleavelandite, 2-3cm along
MF17-39	**131**	**135.8**			**Tourmaline with quartz veins replacement of mafic volcanics**	**intensely tourmalinitized (30-65%) around quartz veins (30%).**
MF17-39	135.8	136.65	4d		cleavelandite-quartz-tourmaline pegmatite	pink-white albite(55%)-quartz(30%)-tourmaline(5%) aplite; locally cleavelandite alteration (tr-1%); minor sericite alteration (7%)

ddh	from	to	lithcode	GLCode	Lithology	Description
MF17-39	137.25	138	4d		aplite and mafic volcanics	pink-white albite aplite 35% (minor k-spar alteration?) with relic smoky quartz comb textures (25%); 2-5mm anhedral tourmaline (5%) paralleling MV contact; 35% strongly biotite altered MV, complete biotite replacement within 1cm of pegmatite contact. 2-4cm grey albite accessory dyklettes adjacent to main aplite dyke; cg sericite (3-5%), pink garnet (5-12mm; tr), and possible 7mm anhedral pink-purple fluorite? lepidolite? (soft, translucent, cannot make out good cleavages though).
MF17-39	138	138.85	4a		potassic altered quartz-albite-spodumene pegmatite	45% smoky grey anhedral quartz matrix (remnant blocky quartz?); 35% anhedral almost resorbed white-pink albite with possible K-spar replacement along crystal margins and fractures; 20% 1-4cm elongate relic spodumene Replaced by muscovite; sporadic 1-2% 3-7mm blue subhedral apatite; 5% 3-10mm anhedral black tourmaline; 2-5mm tabular secondary albite (cleavelandite)? 3-5%
MF17-39	138.85	140.85	4b		spodumene-quartz pegmatite	35% smoky grey anhedral quartz matrix (remnant blocky quartz?); 5-15% anhedral almost resorbed white-pink albite with possible K-spar replacement along crystal margins and fractures; localised ; 45% 1-4cm elongate subhedral spodumene with 1-2mm muscovite rims; sporadic 1-2% 3-7mm blue subhedral apatite; 3-5% 3-12mm anhedral pink garnet masses
MF17-39	140.85	145.35	4d		aplite and quartz-albite pegmatite	predominantly pink feldspar aplite (k-spar replacing albite) 55%, with 15% smoky quartz bands and 5% cg greenish muscovite; locally 5-15cm of blocky cg pink-white albite and quartz with cg muscovite making up 15% of section.
MF17-39	154.5	154.85			chilled margin/sodic altered country rock	Contact zone-chilled margin; pink grey - strongly altered MV wall rock over 5cm true thickness, subparallel to regional foliation. Altered to fine grained pink to grey feldspar (albite?).
MF17-39	154.85	157	4e		4a with sugary albite (to fg cleavelandite?) replacement	pink-white resorbed cg pink-white blocky albite (20-30%); anhedral mg smoky blocky quartz (10-15%); fine grained grey sugary (to fg cleavelandite?) albite (50%) and sericite (5-10%) replacement; subhedral to euhedral 3-7mm black tourmaline throughout (5-7%)
MF17-39	157	160.05	4d		saccroidal aplite	pink saccroidal fg albite (50%; potassic alteration) aplite zone with fg smoky quartz (35%); 5-12mm black subhedral to euhedral tourmaline (10%); minor sericite (3-5%); and weak flow banding.
MF17-39	160.05	160.65	4e		4a with sugary albite (to fg cleavelandite?) replacement	pink-white resorbed cg pink-white blocky albite (20-30%); anhedral mg smoky blocky quartz (10-15%); fine grained grey sugary (to cleavelandite?) albite (50%) and sericite (5-10%) replacement; subhedral to euhedral 3-7mm black tourmaline throughout (5-7%); minor
MF17-39	160.65	161.05	4d		chilled margin/sodic altered country rock	Contact zone-chilled margin; pink grey - strongly altered MV wall rock over 7cm true thickness, subparallel to regional foliation. Altered to fine grained pink to grey feldspar (albite?).
MF17-39	168.9	169.2	qv		quartz vein	irregular white cloudy quartz vein/band with 5-25mm pink garnet masses,
MF17-39	172.95	173.5	qv		quartz vein	massive cloudy greyish white quartz. Minor (tr-1%) pyrrhotite on internal fractures.
MF17-39	174.3	174.85	4d		albite aplite	white-pinkish fg albite (70%) aplite with cg smoky quartz (20%), 1-3% subhedral black tourmaline 1-5mm; trace 2-3mm blue apatite. Contacts (top internal and bottom contact) are parallel to regional foliation. Top contact at high angle to regional foliation; includes zone of saccroidal albite and quartz (other phase of pegmatite? cannibalized country rock?; 15% of section).

Hole_ID	From	To	Width	QAQC	sampleID	Description	lithcode	min_spd	min_coltan	min_tur	min_fap	min_qtz	min_ksp	min_ab	min_ms	min_grt	min_brl	E1	E2	E3	M1	M2
MF17-39				blank	109019	BLANK																
MF17-39				blank	109029	BLANK																
MF17-39				blank	109066	BLANK																
MF17-39				blank	109086	BLANK																
MF17-39				crm	109011	STD MF-1																
MF17-39				crm	109032	STD MF-1																
MF17-39				crm	109049	STD MF-1																
MF17-39				crm	109068	STD MF-1																
MF17-39	16.70	17.00	0.30		109039	Geochem - fg foliated mv with metamorphic biotite (tr-1%), weakly chloritized	mv															
MF17-39	26.25	26.55	0.30		109040	Geochem - fg foliated mv with metamorphic biotite (tr-1%), weakly chloritized	mv															
MF17-39	38.40	38.70	0.30		109041	Geochem - fg foliated mv with metamorphic biotite (1-3%), weakly chloritized	mv															
MF17-39	46.00	46.30	0.30		109042	Geochem - fg foliated mv with metamorphic biotite (1-3%), weakly chloritized; local 2-3mm intermediate-felsic bands (3%)	mv															
MF17-39	47.95	48.45	0.50		109001	mv - shoulder sample	mv															
MF17-39	48.45	48.95	0.50		109013	mv - shoulder sample - strongly biotite altered from 48.90-48.95m	mv											1				
MF17-39	48.95	49.70	0.75		109002	Light pink cg-vcg albite-quartz-muscovite-spodumene pegmatite	4a	2		0.5		45		35	15						2	4
MF17-39	49.70	50.70	1.00		109003	Light pink cg-vcg albite-quartz-muscovite-spodumene pegmatite	4a	10		0.5	0.5	35		40	15						2	4
MF17-39	50.70	51.50	0.80		109004	Light pink cg-vcg albite-quartz-muscovite-spodumene pegmatite	4a	10		0.5	0.5	35		40	15						2	4
MF17-39	51.50	52.10	0.60		109005	aplite	4d					35	25	35	5							3
MF17-39	52.10	52.75	0.65		109006	aplite with intensley altered mv xenoliths	4d					35	25	35	5							3
MF17-39	52.75	53.00	0.25		109007	Dark grey mv; short interval between pegmatites. Black fg tourmaline at contact with pegmatite	mv											5	1			
MF17-39	53.00	53.55	0.55		109008	albite-quartz-tourmaline pegmatite.	4a			3				65								
MF17-39	53.55	54.10	0.55		109009	albite-quartz-tourmaline pegmatite; diluted by bt tur altered mv throughout (35% of section).	4a			7				65								
MF17-39	54.10	54.60	0.50		109010	mv - shoulder smaple - 1-3% fg actinolite	mv															
MF17-39	54.60	55.10	0.50		109012	mv - shoulder smaple - 1-3% fg actinolite	mv															
MF17-39	56.00	56.30	0.30		109043	Geochem - fg foliated mv with metamorphic biotite (1-3%), weakly chloritized	mv															
MF17-39	66.10	66.40	0.30		109044	Geochem - fg foliated mv with metamorphic biotite (1-3%), weakly chloritized; weakly banded	mv															
MF17-39	75.75	78.05	2.30		109045	Geochem - fg foliated mv with metamorphic mg biotite (3-5%), weakly chloritized	mv															
MF17-39	77.60	78.60	1.00		109014	mv - shoulder smaple	mv															
MF17-39	78.60	79.10	0.50		109015	mv - shoulder smaple - 1-3% fg actinolite	mv															
MF17-39	79.10	79.60	0.50		109016	mv - shoulder smaple - 1-3% fg actinolite - fg biotite within 5 cm of contant with pegmatite	mv											1				
MF17-39	79.60	80.00	0.40		109017	Aplite - pink aplite - fine grained feldspar matrix (albite?)	4d					20		75	5							
MF17-39	80.00	81.60	1.60		109018	megacrystic spodumene-quartz pegmatite	4b	45			1	35		15	4							3
MF17-39	81.60	83.00	1.40		109020	quartz-albite-spodumene pegmatite	4a	15				45		30	2	1						2
MF17-39	83.00	84.70	1.70		109021	quartz-albite-spodumene pegmatite	4a	5				45		40	3							3
MF17-39	84.70	86.65	1.95		109022	quartz-albite-spodumene pegmatite	4a	15				45		30								
MF17-39	86.65	88.50	1.85		109023	quartz-albite-spodumene pegmatite	4a	15				45		30								
MF17-39	88.50	89.65	1.15		109024	quartz-albite-spodumene pegmatite	4a	35				45		15	5	1						4

Hole_ID	From	To	Width	QAQC	sampleID	Description	lithcode	min_spd	min_coltan	min_tur	min_fap	min_qtz	min_ksp	min_ab	min_ms	min_grt	min_brl	E1	E2	E3	M1	M2
MF17-39	89.65	90.60	0.95		109025	Spodumene-quartz pegmatite	4b	55			1	40			3	1						3
MF17-39	90.60	90.90	0.30		109026	aplite	4d					20		75		5						4
MF17-39	90.90	92.10	1.20		109027	quartz-albite-spodumene pegmatite	4a	15				45		35								
MF17-39	92.10	93.05	0.95		109028	Spodumene-quartz pegmatite	4b	65				25			3	1						3
MF17-39	93.05	93.85	0.80		109030	quartz-albite-spodumene pegmatite	4a	5				45		35		1						
MF17-39	93.85	95.00	1.15		109031	Spodumene-quartz pegmatite	4b	45			1	35		15		1						3
MF17-39	95.00	96.40	1.40		109033	Spodumene-quartz pegmatite	4b	35			1	45		15		1						3
MF17-39	96.40	97.90	1.50		109034	Spodumene-quartz pegmatite	4b	30			1	40		20		1						3
MF17-39	97.90	99.30	1.40		109035	aplite	4d					20		75								4
MF17-39	99.30	99.80	0.50		109036	mv - shoulder sample - minor (1-3%) bt and act	mv											1				
MF17-39	99.80	100.30	0.50		109037	mv - shoulder sample	mv															
MF17-39	100.30	101.30	1.00		109038	mv - shoulder sample	mv															
MF17-39	105.95	106.25	0.30		109046	Geochem - fg foliated mv with metamorphic biotite (1-3%), weakly chloritized	mv															
MF17-39	114.80	115.10	0.30		109047	Geochem - fg foliated mv with metamorphic biotite (1-3%), weakly chloritized	mv															
MF17-39	124.80	125.10	0.30		109048	Geochem - fg foliated mv with metamorphic biotite (1-3%), weakly chloritized	mv															
MF17-39	125.10	125.65	0.55		109050	mv - shoulder sample	mv															
MF17-39	125.65	125.95	0.30		109051	cleavelandite-quartz-tourmaline pegmatite dyklette.	4f			7		25		65		3	0.5				5	
MF17-39	125.95	126.45	0.50		109052	mv - shoulder sample	mv															
MF17-39	128.75	130.00	1.25		109053	mv - shoulder sample	mv											1				
MF17-39	130.00	130.50	0.50		109054	mv - shoulder sample	mv											1				
MF17-39	130.50	131.00	0.50		109055	mv - shoulder sample	mv											1				
MF17-39	131.00	132.20	1.20		109056	mv - quartz veins and tourmaline alteration	mv			55		30							5			
MF17-39	132.20	133.10	0.90		109057	mv - quartz veins and tourmaline alteration	mv			10		15							4			
MF17-39	133.10	134.70	1.60		109058	mv - large quartz vein and tourmaline+biotite alteration	mv			5		45						3	3			
MF17-39	134.70	135.20	0.50		109059	mv - large quartz vein and tourmaline+biotite alteration	mv			15		50						5	3			
MF17-39	135.20	135.80	0.60		109060	mv - quartz veins and tourmaline+biotite alteration	mv			5		15						3	4			
MF17-39	135.80	136.65	0.85		109061	albite-quartz-torumaline aplite	4d			5		30		55	7					1	3	
MF17-39	136.65	137.25	0.60		109062	weakly biotitized mv	mv											1				
MF17-39	137.25	138.00	0.75		109063	aplite	4d					25		35	5						3	
MF17-39	138.00	138.85	0.85		109064	potassic altered quartz-albite-spodumene pegmatite	4a			5	2	45		35	20							3
MF17-39	138.85	140.85	2.00		109065	Spodumene-quartz pegmatite	4b	45			2	35		5		5					4	
MF17-39	140.85	142.85	2.00		109067	k-spar altered aplite with localised quartz-albite blocky pegmatite	4d					20	55	10	5							3
MF17-39	142.85	144.30	1.45		109069	k-spar altered aplite with localised quartz-albite blocky pegmatite	4d					20	55	10	5							3
MF17-39	144.30	145.35	1.05		109070	k-spar altered aplite with localised quartz-albite blocky pegmatite	4d					25	10	40	5							3
MF17-39	145.35	145.75	0.40		109071	mv shoulder sample	mv											1				
MF17-39	145.75	146.25	0.50		109072	mv Shoulder sample - biotite looks metamorphic	mv															
MF17-39	146.25	147.25	1.00		109073	mv Shoulder sample - biotite looks metamorphic	mv															
MF17-39	152.45	153.40	0.95		109074	mv shoulder sample	mv															
MF17-39	153.40	154.00	0.60		109075	mv shoulder sample	mv															
MF17-39	154.00	154.50	0.50		109076	mv shoulder sample - possible holmquistite (bluish tinged band) within 35cm of peg contact	mv													1		
MF17-39	154.50	154.85	0.35		109077	chilled margin/aplitic contact zone	4d					25		70								
MF17-39	154.85	157.00	2.15		109078	albite-quartz-tourmaline pegmatite	4e			7		35		30	5						5	3

Hole_ID	From	To	Width	QAQC	sampleID	Description	lithcode	min_spd	min_coltan	min_tur	min_fap	min_qtz	min_ksp	min_ab	min_ms	min_grt	min_brl	E1	E2	E3	M1	M2
MF17-39	157.00	158.00	1.00		109079	pink saccharoidal aplite	4d			12		35	5	50	5							3
MF17-39	158.00	160.05	2.05		109080	pink saccharoidal aplite	4d			8		35	5	50	5							3
MF17-39	160.05	160.65	0.60		109081	albite-quartz-tourmaline pegmatite	4e			7		35		35	5	2						3
MF17-39	160.65	161.05	0.40		109082	chilled margin/aplitic contact zone	4d					25		70								
MF17-39	161.05	161.60	0.55		109083	mv - shoulder sample	mv															
MF17-39	161.60	162.20	0.60		109084	mv - shoudler sample	mv															
MF17-39	162.20	163.35	1.15		109085	mv - shoulder sample	mv															
MF17-39	164.75	165.10	0.35		109087	geochem																
MF17-39	173.80	174.30	0.50		109088	mv - shoulder sample	mv															
MF17-39	174.30	174.85	0.55		109089	albite aplite	4d			3	0.5			70								
MF17-39	174.85	175.50	0.65		109090	mv - shoulder sample	mv															

HoleID	Hole Start	Hole End	UTM E	UTM N	Elev_m	Length_m	Az	Dip	UTM Zn	Datum	Drill Contract	Core Size	Area	Claim
MF17-40	06/02/17	02/09/17	524380	5518032	420	194	40	-70	15	NAD83	Distinctive Dri	NQ	Dryden	K498290

Log Start	Log End	Geo	Tech
07/02/17	02/10/17	DM	GS

Check List	GEO_log tabs						TECH_log tabs					TECH_PROCESSES		Data Entry
	Litho_Major	Litho_Minor	Samples	Alteration	Quick log	Header	Box Intervals	RQD	Orientation Lo	Core Or. Meas	MS	Sampling	Photos	Survey
	YES	YES	YES	YES	NO	YES	YES	YES	YES	YES	YES	YES	YES	YES

Target:	MF17-40 was designed as an off angle holes to pierce the mineralised pegmatite intervals intercepted in MF17-40. Without a confident understanding on the pegmatite geometry and the contact orientation angles the drill was just roated 40 deg to the north and comparable dip to drillhole 39.
Stopped for:	end of design
Result:	This drillhole drilled predominantly Mafic metvolcanic host rocks. Well foliated throughout with varying degress of greenschist facies alteration mineral assemblages. A narrow, aplite, albite, tourmaline pegmatite was intercepted from 48.55 to 49.35. A wider pegmatite intersection composed of alternating bands of pink-white albite, quartz, and spodumene pegmatite are intermixed with narrowed white albite-aplite intervals. There lower contact of this main pegmaitite body is parallel to foliation. No other significant pegmatite mineralisation was intercepted except for metre or sub-m scale aplite pegmatites with minor occurrences of beryl.

Depth (m)	Azimuth (true)°	Dip °
26	39.5	-68.6
50	40.3	-68.5
101	41.8	-68.2
152	42.6	-67.1
194	43.7	-66.9

Hole_ID	From	To	Litho_Code	Lithology	Description
MF17-40	0.00	9.60	ovbd	Casing	
MF17-40	9.60	11.20	ovbd	Overburden	Granite boulders and gravels
MF17-40	11.20	48.55	mv	Mafic Volcanics	green grey banded MV, 1-4cm alternating grey (slightly carbonated?) and green-grey banding (weakly to moderatly chloritized) sporadic 4-10mm silicified bands (1-2%) with finely disseminated pyrite (tr-1%) and pyrrhotite (tr). Sections becomes more massive with depth (below 33.4m), predominantly grey-dark grey with fg-mg biotite (10-15%; possible pegmatite alteration influence?) and sporadic 5mm actinolite needles (1-2%). regional foliation varies downhole (gently folded) from xx tca to parallel tca.
MF17-40	48.55	49.35	peg	Pegmatite 4d and 4a	Pink white albite-quartz-tourmaline-muscovite pegmatite with sodic aplite.
MF17-40	49.35	80.05	mv	Mafic Volcanics	grey-dark grey locally greenish MV to slightly amphibolitic with mg weakly chloritized biotite knots/porphyroblats (10-15%; possible pegmatite alteration influence?) and common 5mm actinolite needles (5-10%). Moderate foliation wrapping around porphyroblats with 5-7cm poorly defined banding (more massive) and sporadic (2%) 1-3cm light grey, irregular, foliation parallel, silicified bands. Actinolite and chlorite are concentrated within 1-5mm of silicifed band's margins and around biotite knots.
MF17-40	80.05	92.90	peg	Pegmatite 4a and 4d	repeating sections of pink white albite-quartz-spodumene pegmatite (70% of section) grading down into pink-white albite aplite (30% of section). Hanginwall contact is sharp, parallel to regional foliation; footwall contact is irregular, sharp, sub parallel to moderate angle to regional foliation.
MF17-40	92.90	95.60	mv	Mafic Volcanics	vfg green-grey MV with alternating grey green weak-moderatly chloritized bands (3-5cm) and light grey (carbonated?) 1cm bands.
MF17-40	95.60	97.40	peg	Pegmatite 4a	grey-pink albite-quartz-tourmaline-beryl pegmatite. Contacts are sharp, parallel to regional foliation at a low angle tca.
MF17-40	97.40	120.20	mv	Mafic Volcanics	vfg green-grey moderatly foliated MV with alternating grey green weak-moderatly chloritized bands (3-5cm) and light grey (carbonated) 1-2cm bands (5-10%). Light grey carobnate-quartz bands are parallel to sub parallel to regional foliation. Becoming mg and massive and amphibolitic from 116m down.
MF17-40	120.20	120.85	peg	Pegmatite 4d	pink-white fg albite-quartz-tourmaline aplite. pinkish-white fg aplite with pink fg albite(35%), fg to locally cg smokey quartz (15%), sporadic 2-10mm subhedral tourmaline (1%), and fg albitized-silicified patches of strongly altered country rock? (35%). Minor vfg sericite alteration.
MF17-40	120.85	128.25	mv	Mafic Volcanics	grey-greenish mg MV, fg-mg actinolite and biotite throughout (more aphibolitic).
MF17-40	128.25	129.40	peg	Pegmatite 4a and 4d	pink-grey saccroidal albite with blocky feldspar-quartz pegmatite zones. Hangingwall contact is sharp, flat, and at a moderate angle to regional foliation with 1-2cm of bluish holmquistite? Alteration. Footwall contact is sharp, slightly wavy contact with comb quartz and cg muscovite within 3cm of contact.
MF17-40	129.40	139.55	mv	Mafic Volcanics	dark grey green fg-mg moderatly foliated nearly massive MV-amphibolite; mg actinolite (5-10%); 1-3mm knots of weakly chloritized biotite throughout (3-5%; metamorphic biotite). Gentle wave/open parasitic fold in regionaly foliation, wavelength 3-5m, foliation becomes nearly parallel tca, then returns to 10-15° tca
MF17-40	139.55	140.15	peg	Pegmatite 4d	pink-white fg saccharoidal albite-quartz-tourmaline aplite. pinkish-white aplite with pink fg, locally cg, albite(45%), fg to locally cg smokey quartz (25%), sporadic 2-10mm subhedral tourmaline (3-5%). Minor vfg sericite alteration. Cg mineralogy in top 10cm (15% of section), grading down to saccharoidal aplite. Internal banding parallel to contacts. Sharp hangingwall contact at high angle to regional foliation with 1-2cm of marginal tourmaline-blueish holmquistite? altered country rock. Footwall contact, slightly irregular, at high angle to regional foliation.
MF17-40	140.15	144.60	mv	Mafic Volcanics	dark grey green to grey green mg-vfg MV. Massive mg aphibolitic MV grading down to vfg moderatly to weakly foliated, weakly chloritized MV.
MF17-40	144.60	145.00	peg	Pegmatite 4d	pink fg feldspar (40%; k-spar alt of albite destroying original textures?) with cg subhedral smokey quartz (20%), 3-10mm masses of subhedral black tourmaline (10%), and rare (trace) 3-5mm pale green beryl. Locally saccharoidal pink albite and cloudy grey quartz. Internal banding/flow parallel to contacts.
MF17-40	145.00	152.90	mv	Mafic Volcanics	Grey green vfg moderatly to weakly foliated, weakly chloritized MV. Chlorite is concentrated in 2-3cm sporadic bands with tr finely disseminated pyrrhotite parallel to regional foliation. Gently open fold of regional foliation (parasitic folding?), short revaersal of foliation (over 2-3m wavelength) before returning to consistent foliation trend.
MF17-40	152.90	163.10	sed	Metasediments	fg light grey metasedimentary rock. Alternating 1-3cm bands of vfg light grey (psammitic?) bands and more pelitic bands with abundant 2-5mm euhedral-subhedral black tourmaline (15-20%). Locally folded, gentle open folds, wavelength 30cm. Intruded by 3-5cm albite-quartz-tourmaline pegmatite dyklettes.

Hole_ID	From	To	Litho_Code	Lithology	Description
MF17-40	163.10	166.05	peg	Pegmatite 4d locally 4a	pink aplite. Few (5%) relic 3-5cm pink albite cyrstals, replaced secodnary feldspar predominantly vfg pink-orangey k-spar?; local mg pink cleavelandite (15%); fg pink feldspar matrix througout (35%); cg anhedral-subhedral smoeky quartz (25%); sporadic 5-15mm subhedral black tourmaline (3-5%); rare (1%) 3-5mm subhedral to euhedral pale green white beryl. tr-1% pink anhedral garnet (partially biotite replaced). locally sericitized (3%). internal foliation/flow banding. irregualr hanging wall contact normal to regional foliation with blueish fg homlquistite? and 5-10mm massive tourmaline. footwall contact, sharp and slightly wavy, regional foliation aligns with foliation within 10cm.
MF17-40	166.05	184.15	mv	Mafic Volcanics	grey green vfg-fg moderatly to weakly foliated, weakly chloritized MV. Becoming more massive, fg and amphibolitic downhole.
MF17-40	184.15	184.90	peg	Pegmatite 4d	pink mg pink albite(45%)-quartz(30%)-tourmaline(7-10%) pegmatite with 10cm zone of cg blocky albite (k-spar altered) and smokey quartz with 1-2cm anhedral spodumene crystal (1%)
MF17-40	184.90	189.50	mv	Mafic Volcanics	dark grey green, massive, fg-mg MV. Moderatly folaited, weakly chloritized, slightly amhpibolitic (5-10% actinolite).
MF17-40	189.50	189.95	peg	Pegmatite	pink mg pink albite(45%)-quartz(30%)-tourmaline(7-10%) pegmatite with 3cm zone of cg smokey quartz zone parallel to contacts (quartz vein?; 10%)
MF17-40	189.95	194.00	mv	Mafic Volcanics	dark grey green, massive, fg-mg MV. Moderatly folaited, weakly chloritized, slightly amhpibolitic (5-10% actinolite).

ddh	from	to	lithcode	lithology	description
MF17-40	33.4	48.55	mv3	MV to amphibolite	grey-dark grey locally greenish MV to slightly amphibolitic with fg-mg weakly chloritized biotite knots/porphyroblats (10-15%; possible pegmatite alteration influence?) and common 5mm actinolite needles (5-10%). Moderate foliation wrapping around porphyroblats with 5-7cm poorly defined banding (more massive) and sporadic (2%) 1-3cm light grey, irregular, foliation parallel, silicified bands. Actinolite and chlorite are concentrated within 1-5mm of silicifed band's margins and around biotite knots.
MF17-40	48.55	49.35	4d	4d and 4a	Alternating cg potassic altered anhedral blcoky albite (15%)-quartz(10%) and 5-35mm (avg 7mm) green muscovite (5-10%). Contact parallel to sub parallel banded white-pink albite aplite (60% of section). 5-10mm subhedral to euhedral black torumaline throughout (5%); rare (tr) bluish possible 2-3mm apatite; 1-2% 3-5mm subhedral pink garnet. At contacts (10-15mm) and local internal bands (5-15mm) of what appears to be strongly altered MV; intense fg cleavelandite? and biotite alteration with a 5mm band of possible fg blueish holmquestite (1%). fg sericite throughout (5%)
MF17-40	78.1	78.5	4f		white fg albite-quartz-tourmaline dyklette (3-4cm true thickness) at low angle tca.
MF17-40	80.05	83.45	4a		pink-white quartz-albite core zone with spodumene. 2-3cm euhedral to subhedral smokey quartz (40%); 5-10cm blocky fracture, partially resobed and k-spar altered, sericite rimmed albite (20%); anhedral to euhedral fractured pale green 2-5cm spodumene (25%); rare (tr) 1-3mm dark blue apatite; preferential alignment of large crystals c-axis (remnant flow orientation?).
MF17-40	83.45	84.3	4d		white-pinkish mg cleavelendite aplite (85%); sporadic 3-7mm subhedral dark blue apatite (3%); sporadic 2-3mm anhedral garnet (1-2%); rare dark grey metallic mineral, possible tantalite? (tr)
MF17-40	84.3	85.15	4a	4a+4d	Core zone quartz(40%)-albite(15%; k-spar altered on marigns and fractures)-spodumene(15%) pegmatite as 80.05-83.45. Spodumene appears to locally overgrown albite. zones of pink-white quartz-albite aplite (15% of section). Quartz-albite-spodumene pegmatite grades down into aplite which cuts lower quartz-albite-spoduemen pegmatites. Sequence repeats with aplite thickness increasing down.
MF17-40	85.15	86.85	4d	4d+4a	As 84.30-85.15m with increased thickness/abundance of aplitic zones (70% of section).
MF17-40	86.85	92.9	4a		pink-white quartz-albite core zone with spodumene. 2-3cm euhedral to subhedral smokey quartz (35%); 5-10cm blocky fracture, partially resobed and k-spar altered sericite rimmed albite (25%); anhedral to euhedral fractured pale green 2-5cm spodumene (30%); local concentrations (internal contacts?) of 5-35mm subhedral to euhedral black tourmaline (5%); sporadic (tr-1%) 3-5mm anhedral to subhedral pink garnet; rare (tr) 5-15mm euhedral pale white-greenish cored beryl; rare (tr) 1-3mm dark blue apatite; preferential alignment of large crystals c-axis (remnant flow orientation?). localised quartz comb (10-20mmx2-5mm) on internal contact. albite and spodumene sericitized throughout (2-3%). Rare canibalized MV xenoliths? (<1%).
MF17-40	95.6	97.4	4a		cg white-greey anhedral albite(40%); cg (15-35mm) anhedral-subhedral dark pink reddish microcline (20%); cg anhedral smokey and cloudy quartz (15%); euhedral 3-5x10-35mm black troumaline (7-10%) normal to contacts and randomly orinetaed away from contacts; sporadic (tr-1%) 3-15mm white rimmed and pale green cored euhedral beryl.
MF17-40	120.2	120.85	4d		pinkish-white fg albite-quartz-tourmaline aplite
MF17-40	123.3	123.8	mv3	irregular banding/veining in MV	irregular, convolute 1-2cm quartz-carb bands/veins (35%) through section
MF17-40	128.25	128.55	4a		cg (3-5cm) anhedral pink microcline? (55%) and mg subhedral smokey quartz (35%). 3% 3-5mm euheradl tourmaline
MF17-40	128.55	129	4d		pink-grey saccroidal albite (k-spar altered?)-quartz aplite with fg muscovite (1-3%); spoardic 1-4mm anhedral patchy black tourmaline (5%)
MF17-40	129	129.4	4a		cg (3-5cm) anhedral pink microcline? (55%) and mg subhedral smokey quartz (35%). 7% euhedral 2-3mm tourmaline
MF17-40	139.55	140.15	4d		
MF17-40	144.6	145	4d		
MF17-40	156.7	156.85	4f		white-pinkish fg albite(75%) locally cleavelandite-quartz(10%) and minor (3-5%) 2-3mm subhedral black tourmaline. Irregular contacts subparallel to regional foliation, strongly tourmalinitized within 1cm.
MF17-40	160.3	160.5	4f		white-pinkish fg albite(75%)-quartz(10%) displaying weak comb texture and minor (3-5%) 2-3mm subhedral black tourmaline. Irregular contacts at high angle to regional foliation, moderatly tourmalinitized within 1cm.
MF17-40	161.3	161.5	4f		white-pinkish fg albite(75%)-quartz(10%) and minor (3-5%) 2-3mm subhedral black tourmaline with comb stucture. Irregular contacts at high angle to regional foliation, strongly tourmalinitized within 1cm, minor 3-5mm of fg blueish homquistite.
MF17-40	167.5	170.4	4f		5-15mm pink-white albite-microcline-quartz pegmatite stringer running length of core parallel tca. 3-5mm black tourmaline on contact.

Hole_ID	From	To	Width	QAQC	Sample	Description	lithcode	Spd	Ta/Col	Tur	F-ap	Qtz	Ksp	Ab	Ms	Grt	Brl	E1	E2	E3	M1	M2
MF17-40				blank	109098	BLANK																
MF17-40				blank	109112	BLANK																
MF17-40				blank	109138	BLANK																
MF17-40				blank	109154	BLANK																
MF17-40				crm	109092	STD MF-1	mv															
MF17-40				crm	109102	STD MF-1																
MF17-40				crm	109129	STD MF-1																
MF17-40				crm	109150	STD MF-1																
MF17-40	18.35	18.70	0.35		109091	Geochem - mv - light grey green (weakly carbonated?) and greenish banding; weakly chloritized, minor (1-2%) fg biotite, possible fg trace actinolite	mv															
MF17-40	29.20	29.50	0.30		109093	Geochem - mv - vfg light grey green (carbonated?) and greenish banding; moderatly chloritized, minor (1-2%) fg biotite, possible fg trace actinolite	mv															
MF17-40	38.25	38.55	0.30		109094	Geochem - mv - dark grey to grey green; fg-mg moderatly chloritized biotite knots/porphyroblats (10-15%) aligned with regional foliation, fg trace-1% actinolite	mv															
MF17-40	47.30	47.95	0.65		109095	mv to amphibolite - shoulder sample	mv															
MF17-40	47.95	48.55	0.60		109096	mv to amphibolite - shoulder sample	mv															
MF17-40	48.55	49.35	0.80		109097	peg- aplite and 4a albite-quartz-tourmaline peg	4d			5	tr	10		15		2		1		1		3
MF17-40	49.35	49.80	0.45		109099	mv to amphibolite - shoulder sample - 3x3cm irregular pegmatite dyklette - tourmalinitized and biotitized within 1-2cm of contact. Biotite throughout	mv											3	4			
MF17-40	49.80	50.30	0.50		109100	mv to amphibolite - shoulder sample	mv															
MF17-40	57.95	58.25	0.30		109101	geochem - mv to amphibolite	mv															
MF17-40	67.70	68.00	0.30		109103	geochem - mv to amphibolite	mv															
MF17-40	77.00	77.30	0.30		109104	geochem - mv to amphibolite	mv															
MF17-40	77.30	78.10	0.80		109105	mv to amphibolite - shoulder sample - mg biotite concentrated near pegamtite contact	mv											1				
MF17-40	78.10	78.50	0.40		109106	4f pegmatite dyklette	4f			5		20		75								
MF17-40	78.50	79.05	0.55		109107	mv to amphibolite - shoulder sample - mg biotite concentrated near pegamtite contact	mv											1				
MF17-40	79.05	79.50	0.45		109108	mv to amphibolite - shoulder sample	mv															
MF17-40	79.50	80.05	0.55		109109	mv to amphibolite - shoulder sample - alteration concentrated within 3cm of contact, 1cm for holmquistite	mv											3	1	1		
MF17-40	80.05	81.60	1.55		109110	pink-white quartz-albite core zone with spodumene	4a	25			tr	40		20								2
MF17-40	81.60	83.45	1.85		109111	pink-white quartz-albite core zone with spodumene	4a	30			tr	40		20								2
MF17-40	83.45	84.30	0.85		109113	white-pinkish mg cleavelendite aplite	4d		tr		3	15		60		2						2
MF17-40	84.30	85.15	0.85		109114	quartz-albite-spodumene core zone pegmatite with minor aplitic sections	4a	15				45		20								2
MF17-40	85.15	86.85	1.70		109115	albite-quartz aplite with minor sections of cg quartz-albite-spodumene pegmatite	4d	5				50		40								2
MF17-40	86.85	88.85	2.00		109116	quartz-albite core zone with spodumene	4a	25		5	tr	30		30		1	tr					3
MF17-40	88.85	91.60	2.75		109117	quartz-albite core zone with spodumene	4a	15		3	tr	30		35			tr					3
MF17-40	91.60	92.90	1.30		109118	quartz-albite core zone with spodumene with minor aplitic albite zones	4a	5		1	tr	35		40			tr					3
MF17-40	92.90	93.40	0.50		109119	mv - shoulder sample	mv															
MF17-40	93.40	94.00	0.60		109120	mv - shoulder sample	mv															
MF17-40	94.00	95.00	1.00		109121	mv - shoulder sample	mv															
MF17-40	95.00	95.60	0.60		109122	mv - shoulder sample	mv															
MF17-40	95.60	97.40	1.80		109123	albite-microcline-quartz-tourmaline pegmatite	4a			10		15	20	45			1					
MF17-40	97.40	98.00	0.60		109124	mv - shoulder sample	mv															
MF17-40	98.00	98.55	0.55		109125	mv - shoulder sample	mv															

Hole_ID	From	To	Width	QAQC	Sample	Description	lithcode	Spd	Ta/Col	Tur	F-ap	Qtz	Ksp	Ab	Ms	Grt	Brl	E1	E2	E3	M1	M2
MF17-40	98.55	99.55	1.00		109126	mv - shoulder sample	mv															
MF17-40	108.20	108.50	0.30		109127	mv - geochem - minor carbonate banding 5-7mm 1-2% - **geochem not sampled every 5m due to abundant secondary banding/veining**	mv															
MF17-40	116.25	116.55	0.30		109128	mv - Geochem	mv															
MF17-40	119.70	120.20	0.50		109130	mv - shoulder sample	mv															
MF17-40	120.20	120.85	0.65		109131	albite-quartz aplite	4d			1		15		35							5	2
MF17-40	120.85	121.15	0.30		109132	mv - shoulder sample	mv															
MF17-40	124.65	125.00	0.35		109139	geochem - mv - out of sequence	mv															
MF17-40	127.75	128.25	0.50		109133	mv - shoulder sample	mv													1		
MF17-40	128.25	128.55	0.30		109134	blocky microcline?-quartz pegmatite	4a			3		35	55									
MF17-40	128.55	129.00	0.45		109135	saccoroidal albite-quartz aplite	4d			5		35		55								
MF17-40	129.00	129.40	0.40		109136	blocky microcline?-quartz pegmatite	4a			7		35	55									
MF17-40	129.40	129.90	0.50		109137	mv - shoulder sample	mv															
MF17-40	135.15	135.45	0.30		109140	mv - Geochem	mv															
MF17-40	139.10	139.55	0.45		109141	mv to massive mg amphibolite- shoulder sample	mv												1	1		
MF17-40	139.55	140.15	0.60		109142	pink-white fg saccharoidal albite-quartz-tourmaline aplite	4d			5		25		45								2
MF17-40	140.15	140.75	0.60		109143	mv to massive mg amphibolite- shoulder sample	mv															
MF17-40	144.15	144.60	0.45		109144	mv fg chloritized - shoulder sample	mv															
MF17-40	144.60	145.00	0.40		109145	pink fg feldspar-quartz-tourmaline aplite	4d			10		20	40				tr					1
MF17-40	145.00	145.50	0.50		109146	Shoulder sample - Grey green vfg moderatly to weakly foliated, weakly chloritized mv	mv															
MF17-40	149.00	149.35	0.35		109147	mv - Geochem	mv															
MF17-40	154.60	154.90	0.30		109148	vfg metasedimentary rock- tourmalinitized - Geochem	sed											2	5			
MF17-40	158.45	158.75	0.30		109149	vfg metasedimentary rock- tourmalinitized - Geochem	sed											2	5			
MF17-40	162.55	163.10	0.55		109151	vfg metasedimentary rock- tourmalinitized - Geochem	sed											2	5			
MF17-40	163.10	164.20	1.10		109152	pink aplite	4d			5		25	20	15		1	1					2
MF17-40	164.20	166.05	1.85		109153	pink aplite	4d			5		25	40	5		1	1					2
MF17-40	166.05	166.65	0.60		109155	Shoulder sample - fg grey mv	mv											3	1			
MF17-40	171.00	171.30	0.30		109156	grey green vfg-fg moderatly to weakly foliated - Geochem	mv															
MF17-40	177.15	177.45	0.30		109157	grey green vfg-fg moderatly to weakly foliated - Geochem	mv															
MF17-40	181.65	182.00	0.35		109158	grey green vfg-fg moderatly to weakly foliated - Geochem	mv															
MF17-40	183.65	184.15	0.50		109159	shoulder sample - grey green vfg-fg moderatly to weakly foliated	mv											3				
MF17-40	184.15	184.90	0.75		109160	Albite-quartz-tourmaline aplite	4d	1		10		30	3	45								1
MF17-40	184.90	185.40	0.50		109161	Shoulder sample mv	mv															
MF17-40	189.00	189.50	0.50		109162	Shoulder sample mv	mv															
MF17-40	189.50	189.95	0.45		109163	pink mg pink albite-quartz-tourmaline pegmatite	4a			10		30		45								
MF17-40	189.95	190.50	0.55		109164	massive mv shoulder sample - tourmaline concentrated on 2cm quartz vein	mv												1			
MF17-40	193.60	193.95	0.35		109165	massive aphibolitic mv geochem	mv															

HoleID	Hole Start	Hole End	UTM E	UTM N	Elev_m	Length_m	Az	Dip	UTM Zn	Datum	Drill Contractor	Core Size	Area	Claim
MF-17-41	10/02/17	11/02/17	524680	5517858	428	68	0	-51	15	NAD83	Distinctive Drilling	NQ	Fairservice	K498290

Log Start	Log End	Geo	Tech
11/02/17	12/02/17	DM	GS

Check List	GEO_log tabs						TECH_log tabs					TECH_PROCESSES		Data Entry
	Litho_Major	Litho_Minor	Samples	Alteration	Quick log	Header	Box Intervals	RQD	Orientation Lo	Core Or. Meas	MS	Sampling	Photos	Survey
	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES

Target:	Drillhole is targeting a pegmatite surface outcrop previously identified from Lun-echo that may have been not been drill tested from the proper direction during the 50's (which target the pegmatite from the north. This hole was designed to get as close to the surface occurrence and drill test from the south. The opposite direction from Lun-echo.
Stopped for:	End of design
Result:	Drillohle intersected several narrow pegmatites from 30.95-35m and 36.0-378.85m and 46.85 and 47.7m. The majority of intersected pegmatite consists of a fine and k-altered pink Albite aplite along with albite, quartz. Sericitized and relict spodumene crystals occurs sporadically in the topmost pegmatite body fom 30.95-35.0m. Although the mineralization within the intersected pegmatite bodies is not similar in any way to the to the outcrop to the north these intersection could represent and or marginal zone of the pegmatite outcrop to the north (temprorily called pegmatite 6.5 area). Columbite-Tantalite mineralisation was identifieed in the shallow pegmatite from 21.95m.

Depth (m)	Azimuth (true)°	Dip °
14	357	-50.5
50	355.9	-49.8
68	356.2	-50

Hole_ID	From	To	Litho_Code	Lithology	Description
MF17-41	0.00	3.00	ovbd	Overburden	
MF17-41	3.00	29.30	mv	Mafic volcanics	green grey, moderatly foliated, fg-vfg, MV with sporadic 1-2cm foliation parallel to sub parallel quartz-carbonated stringers (3-5%), and localized foliation parallel disseminated pyrite (1%) and pyrrhotite (<1%). Fg-locally mg biotite throuhgout MV (5-10%; metamorphic?). sporadic 2-5cm, locally 25cm, light grey green, vfg, epidoate-chlorite altered bands; interbedded metasedimentary volcaniclastic rock/tuffaceous material. regional foliation is consitent
MF17-41	29.30	30.95	sed	Metasediments	light grey green vfg metasedimentary/metavolcaniclastic-tuff. Weakly chloritized and possibly epidote altered. Spoardic 5-10mm irregular foliation subparallel quartz carbonated stringers (5%).
MF17-41	30.95	35.00	peg	Pegmatite 4d-4e	pink to pinkish-white fg (locally cg) aplite and sodic replaced pegamtite. Blocky pink albite replaced by fg pink k-spar. Local mg cleavelandite replacement. Relic anhedral-euhedarl mg-cg smokey quartz throughout. Fg-cg yellow green muscovite (locally after spodumene 2-5cm). Bands of blue-green anhedral epidote?(masses (if it's apatite possible sign of intense late sodic alteration). Hanging wall contact at high angle to regional foliation, foliation deflects into contact within 5cm. footwall contact irregular and strongly tourmalinitized; relation to regional foliation obscured.
MF17-41	35.00	36.00	sed	Metasediments	black to dark grey green, mg sed?, strongly tourmalinitized (15-20%) within 10cm footwall contact with above pegmatite; 5cm band of sodic+silica alteration (vuggy) stringer from pegmatite. Moderatly foliated. Pegmatite contacts are parallel to regional foliation.
MF17-41	36.00	37.85	peg	Pegmatite	white-pink aplite fg sodic altered pegmetite. Relic white-pink albite (15%) overprinted by fg pink-white aplitic albite (30%) and k-spar(15%). Sporadic fg euhderal tourmaline (3-5%). Green-blue epidote?
MF17-41	37.85	46.85	sed	Metasediments	light green typically 5-25%, up to 150cm,beds (65-75%) of chloritized and weakly epidote altered, possible metasediment or volcanicalstic interbeds with (~25%) dark grey green MV-amphibolite layers, 5-10cm, moderatly foliated with fg-mg biotite and actinolite/dark amphibole (amphibolitic).
MF17-41	46.85	47.70	peg	Pegmatite	Pink mg-cg cleavelandite (55%) and anhedarl cloudy grey quartz bands (45%).
MF17-41	47.70	68.00	mv	Mafic volcanics	dark grey green moderatly foliated fg MV with fg biotite and localised fg-mg dark amphibole (hornblende-actinolite). locally massive pale grey green tuffaceous/metasediment interbeds? Up to 5-150cm, typically 5-20cm (25% of section); weak epidote-chlorite alteration associated with bands/beds.
	68.00	**EOH**			

Hole_ID	From	To	lithcode	Lithology	Description
MF17-41	16.00	29.30		mafic volcanics	light green 2-8cm irregualr bands (45%), chloritized and weakly epidote altered, possible metasediment or volcanicalstic interbeds within the MV. Dark grey green MV-amphibolite layers, 5-10cm, moderatly foliated with fg-mg biotite and actinolite/dark amphibole (amphibolitic).
MF17-41	30.95	33.70	4d	4a-4d	pink to pinkish-white aplite. Predominantly pink fg k-spar and albite aplite with mg-cg subhedral to anhedral lensses of smoeky quartz (10-15%). Mg-cg yellow green muscovite (5-7%) concentrated on cg quartz margins. zones of blocky pink albite replaced by fg pink k-spar and albite (20%) with cg subhedral smokey quartz (15%). tr-1% vfg (locally cg) dark grey soft (3-4.5) metallic mineral (Ta/Col? or wodginite?); 2-3% fg anhedral 3-5mm patches of dark grey metallic (cassiterite?) mineral genarlly in elongate patches parallel to internal foliation/flow banding; cg has reddish brown margins and iternal fractures Ta/Col?
MF17-41	33.70	35.00	4e		white pink and green-blueish fg-cg sodic altered albite-quartz-spodumene pegmatite. Vcg white-pink albite (10-20%) replaced by cleavelendite and k-spar, 3-5cm euhderal spodumene crystals replaced by cg yellow green muscovite (10%), abundant fg-mg pink-white cleavelendite (35%) throughout, green-blue alteartion bands (epidote? maybe apatite?) 10-15%, parallel to flow foliation/bands in pegmatite. anhedral brown-orange interstitial patches (5-7%; siderite[more likely]? monazite???).
MF17-41	36.00	37.85	4d		white-pink aplite fg sodic altered pegmetite
MF17-41	39.70	40.90	mv2		white, cg quartz veins (5-15cm) in grey tuffaceous material
MF17-41	61.50	63.55		metasediments-volcaniclastic?	grey green vfg metasedimentary-metavolcanicalstic tuffaceous? Rock. Moderatly foliated, vfg biotite (tr-2%) sporadically concentrated. Sporadic 5-10mm quartz-carobnate stringers (1-3%) subparallel to parallel to regiuonal foliation.

Hole_ID	From	To	Width	QAQC	sampleID	Description	lithcode	min_spo	in_colta	min_tu	nin_fa	nin_qt	nin_ks	nin_al	min_ms	min_cs	min_lim	E1	E2	E3	M1	M2
MF17-41			0.00	blank	109174	BLANK																
MF17-41			0.00	crm	109179	STD MF-1																
MF17-41	8.65	8.95	0.30		109166	MV geochem - minor carbonated band (5-10mm)	MV															
MF17-41	19.10	19.40	0.30		109167	MV geochem - mg biotite MV	MV															
MF17-41	29.00	29.95	0.95		109168	pale green vfg metavolcaniclastic - shoulder sample	Sed															
MF17-41	29.95	30.45	0.50		109169	pale green vfg metavolcaniclastic - shoulder sample	Sed															
MF17-41	30.45	30.95	0.50		109170	pale green vfg metavolcaniclastic - intense tourmalinitization within 3cm of pegmatite contact - shoulder sample	Sed											1	1			
MF17-41	30.95	32.00	1.05		109171	pink to pinkish-white aplite. zones of blocky pink albite replaced by fg pink k-spar and albite with cg subhedral smokey quartz	4d			tr		25	10	45	5	1					3	2
MF17-41	32.00	33.70	1.70		109172	pink to pinkish-white aplite. zones of blocky pink albite replaced by fg pink k-spar and albite with cg subhedral smokey quartz	4d		tr	tr		25	10	45	7	3					4	3
MF17-41	33.70	35.00	1.30		109173	white pink and green-blueish fg-cg sodic altered albite-quartz-spodumene pegmatite	4e					30		50	10						4	4
MF17-41	35.00	36.00	1.00		109175	tourmalinitized and biotitized metavolcaniclastic rock, local fg blueish tinge (holmquistite?)- shoulder samples between pegmatites	Sed											3	5	1		
MF17-41	36.00	37.85	1.85		109176	white-pink aplite fg sodic altered pegmetite	4d		tr			30	10	40		3					3	
MF17-41	37.85	38.35	0.50		109177	metavolcaniclastic rock - shoulder samples between pegmatites - fg tourmaline and biotite concentrated with 2cm of contact	MV											2	1			
MF17-41	38.35	38.75	0.40		109178	metavolcaniclastic rock -shoulder sample	MV																
MF17-41	38.75	39.70	0.95		109180	metavolcaniclastic rock -shoulder sample	MV																
MF17-41	45.90	46.40	0.50		109181	metavolcaniclastic rock -shoulder sample	MV																
MF17-41	46.40	46.85	0.45		109182	metavolcaniclastic rock -shoulder sample - 1cm of holmquistite-biotite alteartion next to hangingwall contact	MV											1		1		
MF17-41	46.85	47.70	0.85		109183	Cleavelandite-quartz pegmatite	4d						25	75								5
MF17-41	47.70	48.15	0.45		109184	metavolcaniclastic rock -shoulder sample	MV																
MF17-41	48.15	48.65	0.50		109185	metavolcaniclastic rock -shoulder sample	MV																
MF17-41	50.00	50.30	0.30		109186	massive pale green metavolcanic - Geochem	MV																
MF17-41	59.00	59.30	0.30		109187	massive pale green metavolcanic - Geochem	MV																
MF17-41	67.60	68.00	0.40		109188	massive pale green metavolcanic - Geochem	MV																

HoleID	Hole Start	Hole End	UTM E	UTM N	Elev_m	Length_m	Az	Dip	UTM Zn	Datum	Drill Contract	Core Size	Area	Claim
MF-17-42	14/02/17	16/02/17	525916	5519124	437	113	60	-50	15	NAD83	Distinctive Dri	NQ	Peg18	4208712

Log Start	Log End	Geo	Tech
15/02/17	17/02/17	DM	GS

Check List

GEO_log tabs						TECH_log tabs					TECH_PROCESSES		Data Entry
Litho_Major	Litho_Minor	Samples	Alteration	Quick log	Header	Box Intervals	RQD	Orientation Lo	Core Or. Meas	MS	Sampling	Photos	Survey
YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES

Target:	Drillhole is designed to drill the previously untested centre and immediately down dip of the broadly striking pegmatite 18 outcrop. The colllar position was deisgned to be the most appropriate for the outcrop. The proposed length was also designed to test for deeper, similarly oriented pegmatite bodies below peg 18 that may be indicated by a few coincidental and parallel magnetic lows towards the NE of peg 18 outcrop
Stopped for:	End of design
Result:	Two narrow and genetically similar spodumene bearing pegmatites were intersected between 9.85-12.1m and 13.8 to 15.6m. Spodumene concentration avearages approximately 30-35% in each body. The two narrow pegmatites likely represent the down dip section of pegmatite outcrop. The split and narrow narture of the pegmatites migh reflect and boudined or narrowing of the sheet-like body in this area.

Surveys

Depth (m)	Azimuth (true)°	Dip °
14	53.5	-49.3
50	56.8	-48.9
101	58.8	-47.1

Hole_ID	from	to	lithcode	lithology	description
MF17-42	0.00	3.00	ovbd	Overburden	60cm of mg albite-spodumene-quartz-tourmaline pegmatite drilled by casing; boulder
MF17-42	3.00	9.85	mv	Mafic volcanics	dark grey, fg, weakly-moderatly foliated, nearly massive MV. Fg-mg biotite (1-3%; metamorphic) throughout. Rare 5-15mm quartz-carb stringers (<1%), sub parallel to parallel to regional foliation.
MF17-42	9.85	12.10	peg	Pegmatite 4a	pink-white blocky megacrystic albite-spodumene-quartz-tourmaline pegmatite. Hangingwall contact sub parallel to regional foliation, sharp, 5mm tourmalinitized zone at contact, 1-2cm chill margin with fg spodumene?. Footwall contact at angle to regional foliation, 5mm tourmalinitized zone at contact, 2-3cm chill margin in pegmatite with comb torumaline normal to contact.
MF17-42	12.10	13.80	mv	Mafic volcanics	dark grey, fg-mg, weakly-moderatly foliated, nearly massive MV. Fg-mg biotite (1-3%; metamorphic) throughout
MF17-42	13.80	15.60	peg	Pegmatite 4a	pink-white blocky megacrystic albite-spodumene-quartz-tourmaline pegmatite. Hangingwall contact sub parallel to regional foliation, sharp, 2cm stropngly boititized zone at contact, 3cm chill margin with comb tourmaline normal to contact. Footwall contact not well preserved (core was spun). Marginal aplites near upper and lower contacts
MF17-42	15.60	26.70	mv	Mafic volcanics	dark grey, vfg-fg, weakly-moderatly foliated, nearly massive MV. Fg-mg biotite (1-3%; metamorphic) throughout. ~1% 3-10mm foliation parallel quartz-carb stringers. Sporadic fg actinolite (1-2%)
MF17-42	26.70	27.20	peg	Pegmatite 4a	pink-white quartz-albite megacrystic pegmatite; tourmaline-apatite-beryl accessory minerals. hanging wall contact sharp straight, at angle to regional foliation, 1cm of intensely tourmalinitized MV. Footwall contact, sharp, undularoty to semi planar, 1-2cm of intensley tourmalinitized MV and possible homquistite alteration. Minor biotite alteration of MV at both contacts.
MF17-42	27.20	98.20	mv	Mafic volcanics	dark grey, vfg-fg, weakly-moderatly foliated, nearly massive MV. Fg-mg biotite (1-3%; metamorphic) throughout. ~1% 3-10mm foliation parallel quartz-carb stringers. Sporadic fg actinolite (1-2%). becoming dark grey, mg, massive MV-amphibolite, moderatly foliated downhole.
MF17-42	98.20	113.00	sed	Mafic volcanics-metasediments	grey green, weakly to moderatly foliated, vfg, chlorite altered, MV-metavolcaniclastic?
	113.00	**EOH**			

Hole_ID	From	To	Litho_Code	Lithology	Description
MF17-42	2.40	3.00	4a	overburden	blocky albite-quartz megacrystic pegmatite with 5-10mmx20-35mm subhedral spodumene crystals
MF17-42	9.85	12.10	4a		blocky megacrystick 3-7cm pink-white albite 35% (locally k-altered on margins and crystal fractures); pale green 1-2cm ehuedral to subhedral spodumene crystals 30%; mg smokey quartz matrix 30%; sporadic 1-3x3-7mm black tourmaline crystals 3-5% commonly as small 1-2mm inclusions in spodumene. anhearl interstitial fg pink-red garnet 2% with orange rims 1% (siderite?) within 10cm of hanging wall contact. subtle sericite alteation of feldspars throughout
MF17-42	13.80	15.25	4a		blocky megacrystick 3-7cm pink-white albite 30% (locally k-altered on margins and crystal fractures); pale green 1-2cm ehuedral to subhedral spodumene crystals 35%; mg smokey quartz matrix 30%; sporadic 1-3x3-7mm black tourmaline crystals 3-5%.
MF17-42	15.25	15.60	4d		vgf pink-white albite (65%), sporadic 2-3cm subhedral smoeky quartz (25%), 2-7mm black tourmaline needles (3-5%; normal to contact in lower 10cm), Fe-altered (orangey brown) within 10cm of contact. Rare cg relic pink-white albite megacrysts, secodnary aplitic albite replacement
MF17-42	23.00	23.10	4d		pink-whitish fg-mg albite-quartz aplite (marginal aplite). Mg tabular pink albite (normal to contacts) 65%, fg cloudy quartz 2-5%, 2-15mm subhedral to euhedral black torumaline 30%. Sharp stright parallel contacts, strongly tourmalinitized MV 1-2cm at margins.
MF17-42	26.70	27.20	4a		megacrystic blocky pink-white albite (45%), blocky smokey quartz (40%), fg black tourmaline (3%) locally normal to contacts, pale green euheradl-subhedral 4-7mm beryl (tr), greenish blue anheral apatite masses (tr-1%). Minor sericite alteration of feldspar.
MF17-42	51.20	51.35	4a		pink white fg-mg albite(45%)-quartz(35%)-torumaline(3-5%) pegamtite. Strongly biotite altered 2cm of MV at parallel sharp straight contacts. Biotite altered to chlorite gouge-like material.
MF17-42	54.65	66.25	amph	mv to aphibolite	dark grey, mg, massive MV-amphibolite, moderatly foliated. Biotite and actinolite-hornblende throughout. Sporadic 2-5mm foliation parallel quartz-carb stringers (<1%)
MF17-42	66.25	69.30			grey green vfg MV-metavolcanicalstic with 5-10% mg biotite
MF17-42	69.30	98.20	amph		dark grey, mg, massive MV-amphibolite, moderatly foliated. Biotite and actinolite-hornblende throughout. Sporadic 2-5mm foliation parallel quartz-carb stringers (<1%)
MF17-42	98.20	99.25	qv		cloudy white-grey massive quartz vein. Bleby pyrrhotite (1-2%) on margins with chlorite alteration.

Hole_ID	From	To	Width	QAQC	sampleID	Description	lithcode	Spd	Colt	Tour	F-apl	Qtz	Ksp	Alb	MS	Grnt	Bryl	E1	E2	E3	M1	M2
MF17-42			0.00	blank	109194	BLANK																
MF17-42			0.00	blank	109209	BLANK																
MF17-42			0.00	crm	109190	STD MF-1																
MF17-42			0.00	crm	109215	STD MF-1																
MF17-42	7.75	8.85	1.10		109189	MV - shoulder sample	MV															
MF17-42	8.85	9.45	0.60		109191	MV - shoulder sample	MV															
MF17-42	9.45	9.85	0.40		109192	MV - shoulder sample	MV												1			
MF17-42	9.85	11.00	1.15		109193	albite-spodumene-quartz-tourmaline pegmatite core zone	4a	30		5		30		35		2						1
MF17-42	11.00	12.10	1.10		109195	albite-spodumene-quartz-tourmaline pegmatite core zone	4a	30		5		30		35								1
MF17-42	12.10	12.60	0.50		109196	MV - shoulder sample	MV												1			
MF17-42	12.60	13.10	0.50		109197	MV - shoulder sample	MV															
MF17-42	13.10	13.80	0.70		109198	MV - shoulder sample	MV															
MF17-42	13.80	15.25	1.45		109199	albite-spodumene-quartz-tourmaline pegmatite core zone	4a	35		5		30		30								1
MF17-42	15.25	15.60	0.35		109200	marginal albite aplite	4d			5		25		65								
MF17-42	15.60	16.20	0.60		109201	MV - shoulder sample	MV															
MF17-42	16.20	16.70	0.50		109202	MV - shoulder sample	MV															
MF17-42	16.70	17.70	1.00		109203	MV - shoulder sample	MV															
MF17-42	19.70	20.00	0.30		109204	MV - geochem	MV															
MF17-42	21.85	22.15	0.30		109205	MV - geochem	MV															
MF17-42	25.70	26.30	0.60		109206	MV - shoulder sample	MV															
MF17-42	26.30	26.70	0.40		109207	MV - shoulder sample	MV												3	4			
MF17-42	26.70	27.20	0.50		109208	megacrystick pink-white albite-quartz-tourmaline pegmatite	4a			3	1	40		45			tr					1
MF17-42	27.20	27.70	0.50		109210	MV - shoulder sample	MV											3	4	1		
MF17-42	27.70	28.20	0.50		109211	MV - shoulder sample	MV															
MF17-42	31.40	31.70	0.30		109212	MV - geochem	MV															
MF17-42	34.65	35.00	0.35		109213	MV - geochem	MV															
MF17-42	38.00	38.30	0.30		109214	MV - geochem	MV															
MF17-42	44.00	44.30	0.30		109236	MV - geochem	MV															
MF17-42	48.35	48.65	0.30		109216	MV - geochem	MV															
MF17-42	53.00	53.30	0.30		109237	MV - geochem	MV															
MF17-42	57.30	57.60	0.30		109217	MV amphibolite - geochem	MV															
MF17-42	62.25	62.55	0.30		109238	MV - geochem	MV															
MF17-42	68.25	68.60	0.35		109218	MV to metavolcaniclastic - geochem	MV											4				
MF17-42	73.70	74.00	0.30		109239	MV - geochem	MV															
MF17-42	77.85	78.15	0.30		109219	MV amphibolite - geochem	MV															
MF17-42	81.85	82.15	0.30		109240	MV - geochem	MV															
MF17-42	88.15	88.45	0.30		109220	MV amphibolite - geochem	MV															
MF17-42	92.20	92.50	0.30		109241	MV - geochem	MV															
MF17-42	96.15	96.45	0.30		109221	MV amphibolite - geochem	MV															
MF17-42	100.00	100.30	0.30		109242	MV - geochem	MV															
MF17-42	108.50	108.80	0.30		109222	MV amphibolite - geochem	MV															
MF17-42	112.45	112.75	0.30		109223	MV amphibolite - geochem	MV															

HoleID	Hole Start	Hole End	UTM E	UTM N	Elev_m	Length_m	Az	Dip	UTM Zn	Datum	Drill Contractor	Core Size	Area	Claim
MF17-43	16/02/17	17/02/17	525911	5519128	437	62	5	-50	15	NAD83	Distinctive Drilling	NQ	Peg018	4208712

Log Start	Log End	Geo	Tech
17/02/17	18/02/17	DM	GS

Check List

GEO_log tabs						TECH_log tabs					TECH_PROCESSES		Data Entry
Litho_Major	Litho_Minor	Samples	Alteration	Quick log	Header	Box Intervals	RQD	Orientation Lo	Core Or. Meas	MS	Sampling	Photos	Survey
YES	YES	YES	YES	YES	NO	YES	YES	YES	YES	YES	NO	NO	NO

Target:	It was prematurely decided that MF17-42 Did not intercept the sub surface projection of the PEG018 outcrop. Because of this assumption it was decided that this hole drill test down-dip of an alternate and thickened section of the PEG 018 outcrop for confirmation.
Stopped for:	Drill tested pegmatite 018
Result:	Spodumene pegmatite interpreted to be the subsurface projection of PEg018 was intersected from 10.0-15.4m. The shallower than anticipated intersection implies a shallower dip angle to pegmaitte 018

Surveys

Depth (m)	Azimuth (true)°	Dip °
14.0	3.1	-50.3
50.0	2.7	-49

Hole_ID	From	To	Litho_Code	Lithology	Description
MF17-43	0.00	2.00	ovbd	Overburden	Casing driven to 3m and cored, MV recovered.
MF17-43	2.00	10.00	mv	Mafic volcanics	grey green fg MV with fg foliation parallel biotite throughout (metamorphic) weakly chloritized.
MF17-43	10.00	15.40	peg	Pegmatite 4a	white-pink albite-quartz-spodumene pegmatite. Sharp straight sub parallel contacts at high angle to regional foliation with 1-2cm chlorite altered (gouge-like) biotite altered zones in MV (near sureface metioric water effect?). Strongly k-altered marginal aplite within 20cm of footwall contact.
MF17-43	15.40	26.45	mv	Mafic volcanics	grey green fg MV with fg foliation parallel biotite throughout (metamorphic) weakly chloritized.
MF17-43	26.45	26.85	peg	Pegmatite 4a	white-pink mg-cg albite-quartz peg. Sharp, parallel, straight contacts at high angle to regional foliation. Minor tourmaline alterationg of MV within 1cm of contacts
MF17-43	26.85	62.00	mv	Mafic volcanics	grey green vfg-fg MV, moderatly foliated, with 5-15mm sporadic foliation subparallel quartz-carb stringers. Local zones of volcaniclastic material. Locally chlorite-epidote altered. Fg biotite sporadically thourhgout (metamophic?). Grading to mg amphibolite lower in hole.
	62.00	**EOH**			

Hole_ID	From	To	Litho_Code	Lithology	Description
MF17-43	3.10	3.60	qv		cloudy irregualr quartz vein with k-spar and chlorite alteration on margins.
MF17-43	10.00	15.00	4a		mg-cg, locally blocky megacrystic pink white albite (35%), anhedral, strongly resorbed and k-altered (5-7%) albite; mg-cg smokey quartz matrix (30%) and mg 5-25mm subhedral to euhedral spodumene (20%), larger cyrstals are fractured, spatially associated with quartz rich zones; 2-5mm, rarely 20-25mm, black euhedral tourmaline crystals (7-10%), spoatially associated with spodumene; rare 2-3mm subhedral redish garnet (tr); minor sericite altaertion of spodumene and feldspars throughout.
MF17-43	15.00	15.40	4d		pink-orange marignal aplite. Strongly k-altered(15%) fg pink albite (60%) and localy resorbed cg white-pink albite (5%) with mg-cg anhedarl smokey quartz (15%) and sporadic 5-15mm subhedral black tourmaline (7-10%), patches of sericite alteration (3-5%; possible destroyed spodumene.
MF17-43	17.10	23.30	vclas	volcaniclastic	vfg chloritized meta volcaniclastic rock. 3-10% 3-5mm pink-brown subhedral garnet (biotite replacement).
MF17-43	26.45	26.85	4a		megacrystic blocky albite altered to k-spar (15%), fg white albite (15%), cg anhedarl smokey-cloudy white quartz (35%), 2-5mm ehudral to subhedral black tourmaline laths (1-5%), patches of green yellow fg-mg muscovite/sericite (3-5%)
MF17-43	44.30	62.00	amph		Massive grey green mg actinolite-hornblende rich MV to amphibolite. Weakly to moderatly foliated.

Hole_ID	From	To	Width	QAQC	sampleID	Description	lithcode	min_spc	min_colta	min_tur	min_fap	min_qtz	min_ksp	min_ab	min_ms	min_grt	min_brl	E1	E2	E3	M1	M2
MF17-43			0.00	blank	109230	BLANK																
MF17-43			0.00	crm	109225	STD																
MF17-43	8.00	9.00	1.00		109224	MV - shoulder sample	MV															
MF17-43	9.00	9.50	0.50		109226	MV - shoulder sample	MV															
MF17-43	9.50	10.00	0.50		109227	MV - shoulder sample	MV											1				
MF17-43	10.00	12.00	2.00		109228	albite-quartz-spodumene pegmatite	4a	20		10		30	5	35		tr						2
MF17-43	12.00	14.00	2.00		109229	albite-quartz-spodumene pegmatite	4a	20		10		30	5	35		tr						2
MF17-43	14.00	15.00	1.00		109231	albite-quartz-spodumene pegmatite	4a	20		10		30	5	35		tr						2
MF17-43	15.00	15.40	0.40		109232	marginal k-altered aplite	4d			10		15	15	60	5						3	3
MF17-43	15.40	15.85	0.45		109233	MV - shoulder sample	MV											1				
MF17-43	15.85	16.35	0.50		109234	MV - shoulder sample	MV															
MF17-43	16.35	17.30	0.95		109235	MV - shoulder sample	MV															
MF17-43	21.60	21.90	0.30		109243	MV - Geochem	Sed															
MF17-43	25.50	26.00	0.50		109244	MV - shoulder sample	MV															
MF17-43	26.00	26.45	0.45		109245	MV - shoulder sample	MV												1			
MF17-43	26.45	26.85	0.40		109246	albite-quartz peg	4a			5		35	15	15	3							3
MF17-43	26.85	27.30	0.45		109247	MV - shoulder sample	MV												1			
MF17-43	27.30	27.80	0.50		109248	MV - shoulder sample	MV															
MF17-43	30.20	30.50	0.30		109249	MV - Geochem	MV															
MF17-43	36.30	36.60	0.30		109250	MV - Geochem	MV															
MF17-43	39.05	39.35	0.30		109251	MV - Geochem	MV															
MF17-43	44.60	44.90	0.30		109252	MV - Geochem	MV															
MF17-43	50.00	50.30	0.30		109253	MV - Geochem	MV															
MF17-43	56.75	57.05	0.30		109254	MV - Geochem	MV															
MF17-43	61.40	61.70	0.30		109255	MV - Geochem	MV															

HoleID	Hole Start	Hole End	UTM E	UTM N	Elev_m	Length_m	Az	Dip	UTM Zn	Datum	Drill Contractor	Core Size	Area	Claim
MF-17-39	17/02/17	18/02/17	525941	5519111	438	68	135°	-50	15	NAD83	Distinctive Drilling	NQ	PEG018	K4208712

Log Start	Log End	Geo	Tech
2/19/217	19/02/17	DM	GS

Check List

GEO_log tabs						TECH_log tabs					TECH_PROCESSES		Data Entry
Litho_Major	Litho_Minor	Samples	Alteration	Quick log	Header	Box Intervals	RQD	Orientation Lo	Core Or. Meas	MS	Sampling	Photos	Survey
YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES

Target:	Designed to test approximately 25m down plunge of the wide and whale-backed outcrop that was channel sampled in 2009.
Stopped for:	Reached target depth
Result:	Several spodumene bearing pegmatites were intersected within this drillhole from 7.20-7.75m, 12.85-18.85 and 23.75-24.05m. The primary intersection from 12.85 to 18.85 is likely the down dip representation of the primary outcrop. Light to dark green and elongate spodumene crystals average approximately 20-25%. Spodumene crystals are partly resorbed.

Surveys

Depth (m)	Azimuth (true)°	Dip °
14.0	122.8	-49
50.0	126.6	-48.6
68.0	126.4	-48.4

Hole_ID	From	To	Litho_Code	Lithology	Description
MF17-44	0.00	7.20	mv	Mafic volcanic to amphibolite	dark grey mg massive MV to amphibolite, weakly to moderatly foliated with abundant actinolite-horblende
MF17-44	7.20	7.75	peg	Pegmatite 4a	pink, albite quartz aplite
MF17-44	7.75	12.85	mv	Mafic volcanic	grey green fg-vfg MV. Chloritized, silicified, metavolcanic rock.
MF17-44	12.85	18.85	peg	Pegmatite 4a	mg-megacrystic pink albite-quartz-spodumene pegmatite
MF17-44	18.85	23.75	mv	Mafic volcanic	massive green-grey vfg MV. Weakly foliated with chlorite alteration throughout. Local bands of qtz-carb and 5-15mm interbeds (rare, <1%) of metavolcanicalstic material.
MF17-44	23.75	24.05	peg	Pegmatite 4a	pink, albite quartz aplite
MF17-44	24.05	68.00	mv	Mafic-intermediate volcanic	massive green-grey vfg MV. Weakly foliated with chlorite alteration throughout. More intermediate metavolcanic?. Local bands of qtz-carb and 5-15mm interbeds (rare, <1%) of metavolcanicalstic material.
	68.00	**EOH**			

Hole_ID	From	To	Litho_Code	Lithology	Description
MF17-44	7.20	7.75	4a		fg-mg pink albite-quartz pegmatite. Unmineralized
MF17-44	12.85	18.85	4a		mg-cg, locally blocky megacrystic pink white albite (35%), anhedral, strongly resorbed and k-altered (5-7%) albite; mg-cg smokey quartz matrix (30%) and mg 5-25mm subhedral to anhedral spodumene (20%) partially resorbed?, larger cyrstals are fractured, spatially associated with quartz rich zones; 2-5mm, rarely 20-25mm, black euhedral tourmaline crystals (7-10%), spoatially associated with spodumene; rare 2-3mm subhedral redish garnet (tr); minor sericite altaertion of spodumene and feldspars throughout.
MF17-44	23.75	24.05	4a		fg-mg pink albite-quartz pegmatite. Unmineralized
MF17-44	34.10	35.10	qv		cloudy white quartz vein
MF17-44	41.15	41.45	qv		cloudy white quartz vein

Hole_ID	From	To	Width	QAQC	sampleID	Description	lithcode	min_sp	min_colt	min_tu	min_fa	min_qtz	min_ks	min_ab	min_ms	min_gr	min_br	E1	E2	E3	M1	M2
MF17-44			0.00	blank	109267	BLANK																
MF17-44			0.00	crm	109262	STD MF-1																
MF17-44			0.00	crm	109280	SFTD MF-1																
MF17-44	6.05	6.55	0.50		109256	MV shoulder sample	MV															
MF17-44	6.55	7.20	0.65		109257	MV shoulder sample	MV															
MF17-44	7.20	7.75	0.55		109258	fg-mg pink albite-quartz pegmatite	4a					35	5	60								2
MF17-44	7.75	8.35	0.60		109259	MV shoulder sample	MV															
MF17-44	8.35	8.85	0.50		109260	MV shoulder sample	MV															
MF17-44	10.80	11.85	1.05		109261	MV shoulder sample	MV															
MF17-44	11.85	12.35	0.50		109263	MV shoulder sample	MV															
MF17-44	12.35	12.85	0.50		109264	MV shoulder sample	MV															
MF17-44	12.85	14.85	2.00		109265	mg-megacrystic albite-quartz-spodumene peg	4a	20		10		30	5	35								2
MF17-44	14.85	16.85	2.00		109266	mg-megacrystic albite-quartz-spodumene peg	4a	20		10		30	5	35								2
MF17-44	16.85	18.85	2.00		109268	mg-megacrystic albite-quartz-spodumene peg	4a	20		10		30	5	35								2
MF17-44	18.85	19.35	0.50		109269	MV shoulder sample	MV															
MF17-44	19.35	20.00	0.65		109270	MV shoulder sample	MV															
MF17-44	20.00	21.00	1.00		109271	MV shoulder sample	MV															
MF17-44	23.25	23.75	0.50		109272	MV shoulder sample	MV															
MF17-44	23.75	24.05	0.30		109273	fg-mg pink albite-quartz pegmatite	4a															
MF17-44	24.05	24.55	0.50		109274	MV shoulder sample	MV															
MF17-44	28.70	29.00	0.30		109275	MV geochem	MV															
MF17-44	35.30	35.60	0.30		109276	MV geochem	MV															
MF17-44	40.70	41.00	0.30		109277	MV geochem	MV															
MF17-44	44.30	44.60	0.30		109278	MV geochem	MV															
MF17-44	49.70	50.00	0.30		109279	MV geochem	MV															
MF17-44	55.70	56.00	0.30		109281	MV geochem	MV															
MF17-44	57.60	57.90	0.30		109282	MV geochem	MV															
MF17-44	65.30	65.60	0.30		109283	MV geochem	MV															
MF17-44	67.70	68.00	0.30		109284	MV geochem	MV															

HoleID	Hole Start	Hole End	UTM E	UTM N	Elev_m	Length_m	Az	Dip	UTM Zn	Datum	Drill Contractor	Core Size	Area	Claim
MF-17-45	18/02/17	19/02/17	525907	5519081	442	77.0	135	-60	15	NAD83	Distinctive Drilling	NQ	Pegmatite 18	4208712

Log Start	Log End	Geo	Tech
19/02/17	20/02/17	DM and PM from 40m	GS

Check List

GEO_log tabs						TECH_log tabs					TECH_PROCESSES		Data Entry
Litho_Major	Litho_Minor	Samples	Alteration	Quick log	Header	Box Intervals	RQD	Orientation Lo	Core Or. Mea	MS	Sampling	Photos	Survey
yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	NO	NO	yes

Target:	40m down-dip from the multi-meter pegmatite intersection in MF17-44
Stopped for:	Intersected target and finished in MV
Result:	Several pegmatite intersection were intercepted (see main lithology). Spodumene pegmatite interpreted to be the down-dip intersection of MF17-44 occurs from 38.15-42.85m. This intersection contain multi-cm scale green spodumene crystals from 30-35%. Drillhole was terminated within MV below the main intersection.

Surveys

Depth (m)	Azimuth (true)°	Dip °
14.0	134.1	-58.1
50.0	134.8	-57.2
77.0	136.3	-57

Hole_ID	From	To	Litho_Code	Lithology	Description
MF17-45	0.00	1.50	ovbd	Overburden	
MF17-45	1.50	18.00	mv	Mafic volcanics	fg-vfg grey greenish massive weakly foliated MV-amphibolite. Mg-cg actinolite throughout
MF17-45	18.00	18.85	peg	Pegmatite	white albite-quartz-spodumene pegmatite; faulted/fractured throughout, rusty surfaces
MF17-45	18.85	27.95	mv	Mafic volcanics	fg-vfg grey greenish massive weakly foliated MV-amphibolite. Mg-cg actinolite throughout
MF17-45	27.95	29.45	peg	Pegmatite	pink albite-quartz-spodumene k-spar altered pegmatite. Mg-megacrystic. 15cm albitized MV zone at hangingwall contact, minor possible holmquistite? 3cm altered zone at footwall contact
MF17-45	29.45	37.00	mv	Mafic volcanics	fg-vfg grey greenish massive weakly foliated MV-amphibolite. Mg-cg actinolite throughout
MF17-45	37.00	37.65	peg	Pegmatite	pink albite, quartz aplite and muscovite pegmatite
MF17-45	37.65	38.15	mv	Mafic volcanics	Light grey green to green, fg to mg, moderately foliated amphibolitized mafic metavolcanic. Grain size varies from mg to cg dark green amphbole rich sections with fine to very fine, harder interval of volcanic. 2-3% mm scale quartz veinlets parallel to foliation
MF17-45	38.15	42.85	peg	Pegmatite	Pinkish-grey-green. Weakly foliated to semi-massive. Pink-grey Albite-Spodumene-Quartz-Tourmaline pegmatite. 20-25% pink, irregulalry shaped megacrystic albite richest towards hangingwall and grades downhole to 40-45% . <1-multi-cm green spodumene crsytals. ~3% to 7% very locally, fine black acicular tourmalines crystals. Contacts are near paraellel to one another are are at moderate angles TCA. ALbite megacrsyts have aplititic sucrosic white albite around rims and between grains. ELongate spodumene crystals appear to have a preferentail aligment (noted in structure).
MF17-45	42.85	77.00	mv	Mafic volcanics	Light grey green to green, fg to mg, moderately foliated amphibolitized mafic metavolcanic. Grain size varies from mg to cg dark green amphbole rich sections with fine to very fine, harder interval of volcanic. 2-3% mm scale quartz veinlets parallel to foliation in addition . Foliation is continuous and parallel throughout. Weak to moderate biotization of MV in proximity to quartz veining.
	77.00	**EOH**			

Hole_ID	From	To	Litho_Code	Lithology	Description
MF17-45	18	18.85	4e		
MF17-45	27.95	29.45	4a		mg-cg, locally blocky megacrystic pink white albite (35%), anhedral, strongly resorbed and k-altered (5-10%) albite; mg-cg smokey quartz matrix (30%) and mg 5-25mm subhedral to anhedral spodumene (20%) partially resorbed?, larger cyrstals are fractured, spatially associated with quartz rich zones; 2-5mm, black euhedral tourmaline crystals (7-10%), spoatially associated with spodumene; rare 2-3mm subhedral redish garnet (tr); minor sericite altaertion of spodumene and feldspars throughout.
MF17-45	37	37.65	4a		mg-cg, locally blocky megacrystic pink white albite (35%), anhedral, strongly resorbed and k-altered (5-10%) albite; mg-cg smokey quartz matrix (30%) and mg 5-25mm subhedral to anhedral spodumene (20%) partially resorbed?, larger cyrstals are fractured, spatially associated with quartz rich zones; 2-5mm, black euhedral tourmaline crystals (7-10%), spoatially associated with spodumene; rare 2-3mm subhedral redish garnet (tr); minor sericite altaertion of spodumene and feldspars throughout.
MF17-45	38.15	42.05	4b	Spodumene pegmatite	Grey to pink spodumene-megacrystic albite and spodumene pegmatite. Pink-grey Albite-Spodumene-Quartz-Tourmaline pegmatite. Homogenous single phase injection with white to pink altered, approximately 25-30% Albite, 30-40 % SpodumeneVery faint orientation of spodumene crystals at 40-45 deg tc.
MF17-45	48	48.6	4c		mg-cg, pink to cream cg albite (45%), 35% smoky grey anhedral quartz, 15% fine sucrosic aplite 1-3 fine black schorl. Contacts are near parallel. Albite is weakly altered to cleavalandite

Hole_ID	From	To	Width	QAQC	sampleID	Description	lithcode	min_sp	in_colta	min_tu	min_fa	min_qt	min_ks	min_al	min_ms	min_gr	E3	M1	M2
MF17-45			0.00	blank	109294	Blank													
MF17-45			0.00	blank	109303	blank													
MF17-45			0.00	crm	109317	STD MF-1													
MF17-45	7.00	7.30	0.30		109285	geochem	MV												
MF17-45	11.00	11.30	0.30		109321	out of sequence geochem	MV												
MF17-45	16.00	16.30	0.30		109286	geochem	MV												
MF17-45	17.50	18.00	0.50		109287	shoulder to replaced spodumene pegmatite	MV												
MF17-45	18.00	18.75	0.75		109288	replaced spodumene pegmatite	4e												
MF17-45	18.75	19.25	0.50		109289	shoulder to replaced spodumene pegmatite	MV												
MF17-45	23.00	23.30	0.30		109290	geochem	MV												
MF17-45	27.15	27.65	0.50		109291	shoulder to spodumene pegmatite	MV												
MF17-45	27.65	27.95	0.30		109292	narrow shoulder sampled to Spodumene pegmatite with potentially very minor homquistite	MV												
MF17-45	27.95	29.45	1.50		109293	spodumene bearing pegmatite	4b	25		3		35		30	7		2		
MF17-45	29.45	29.95	0.50		109295	narrow shoulder sampled to Spodumene pegmatite	MV												
MF17-45	33.00	33.30	0.30		109296	geochem	MV												
MF17-45	36.00	36.50	0.50		109297	mafic volcanic shoulder	MV												
MF17-45	36.50	37.00	0.50		109298	mafic volcanic shoulder	MV												
MF17-45	37.00	37.65	0.65		109299	narrow albite-quartz muscovite pegmatite	4c			2		30		40	20				
MF17-45	37.65	38.15	0.50		109300	Mafic volcanic sliver between pegmatite	MV												
MF17-45	38.15	39.60	1.45		109301	Spodumene rich pegmatite	4b	35				20		35	10				
MF17-45	39.60	41.00	1.40		109302	Spodumene rich pegmatite	4b	35				20		35	10				
MF17-45	41.00	42.85	1.85		109304	Spodumene rich pegmatite	4b	35				20		35	10				
MF17-45	42.85	43.25	0.40		109305	MV shoulder	MV												
MF17-45	43.25	43.75	0.50		109306	geochem	MV												
MF17-45	43.75	44.50	0.75		109307	geochem and shoulder	MV												
MF17-45	44.50	45.50	1.00		109308	geochem and shoulder	MV										1		
MF17-45	45.50	46.50	1.00		109309	geochem and shouldre	MV										1		
MF17-45	46.50	47.30	0.80		109310	geochem and shouldre	MV										1		
MF17-45	47.30	48.00	0.70		109311	geochem and shouldre	MV										1		
MF17-45	48.00	48.60	0.60		109312	narrow pegmatite with cleavalandite	4c			5		20		50	20				
MF17-45	48.60	49.35	0.75		109313	geochem and shouldre	MV												
MF17-45	49.35	50.00	0.65		109314	geochem	MV												
MF17-45	56.00	56.30	0.30		109315	geochem	MV												
MF17-45	59.90	60.20	0.30		109316	geochem	MV												
MF17-45	65.00	65.30	0.30		109318	geochem	MV												
MF17-45	70.00	70.30	0.30		109319	geochem	MV												
MF17-45	75.00	75.30	0.30		109320	geochem	MV												

HoleID	Hole Start	Hole End	UTM E	UTM N	Elev_m	Length_m	Az	Dip	UTM Zn	Datum	Drill Contract	Core Size	Area	Claim
MF-17-39	19/02/17	20/02/17	52883	5519099	443	71.0	10	-70	15	NAD83	Distinctive Dri	NQ	Pegmatite 18	4208712

Log Start	Log End	Geo	Tech
26-Feb-17	27-Feb-17	MF	GS

Check List

GEO_log tabs						TECH_log tabs					TECH_PROCESSES		Data Entry
Litho_Major	Litho_Minor	Samples	Alteration	Quick log	Header	Box Intervals	RQD	Orientation Lo	Core Or. Meas	MS	Sampling	Photos	Survey
YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES

Target:	Drill hole to test the down-dip continuity of Pegmatite 018 below MF17-43
Stopped for:	Intercepted pegmatite 018 and terminated in Mafic Volcanic
Result:	Narrow spodumene pegmatites were interesected at depths of 25.75-26.60, 27.65-30.55 and 42.6-43.3m. Mineralization most refelctive of the down-dip extension occurs from 25.75 to 30.55m. Although pegmatite is continuous from up-dip hole, the pegmatite has plit. Spodumene content of all three pegmatite is approximately 30%.

Surveys

Depth (m)	Azimuth (true)°	Dip °
14.0	18.1	-70
50.0	19.5	-69.8
71.0	19.9	-70

Hole_ID	From	To	Litho_Code	Lithology	Description
MF17-46	0.00	17.10	mv	Mafic volcanics	Dark grey to green foliated MV with fine biotite and qtz. Cut by qtz veins. Foliation seems to be parallel to the long core axis. 1,5m of casing - drill started at 0,6m (See note).
MF17-46	17.10	18.30	peg	Pegmatite 4a	Pink pegmatite with breccia texture where megacrystals of albite seem to be involved in a qtz, tourmaline, albite mg mass. Fe stain occurs. The hanging wall contact is at low angle with the MV foliation.
MF17-46	18.30	25.75	mv	Mafic volcanics	Dark grey to green foliated MV. Cut by qtz veins, one has qtz + tourmaline and sulphide - pyrite. Foliation is close to parallel to the long core axis.
MF17-46	25.75	26.60	peg	Pegmatite 4a	Pink pegmatite, qtz, cg albite, mg to cg spodumene and thin tourmaline throughout/coarse when closer to walls.Has some of the breccia texture from the previous interval. The contacts are marked by coarse acicular tourmaline (wall) app. perpendicular to the border. Lower contact has a border of 5mm qtz + thin accicular tourmaline and upper has 2mm mafic (tourm) border.
MF17-46	26.60	27.65	mv	Mafic volcanics	Dark grey to green foliated MV. Cut by qtz veins that can include tourmaline and sulphide - pyrite. Foliation is close to parallel to the long core axis.
MF17-46	27.65	30.55	peg	Pegmatite 4a	Greyish and pink peg with qtz, spod (mg to cg), coarse albite, fine tourmaline. Hanging wall contact perpendicular to the long core axis and to the foliation of MV.
MF17-46	30.55	42.60	mv	Mafic volcanics	dark grey foliated MV with qtz veins + sulphide + tourmaline (?) + carbonate (?). Thin vein of granitic composition. Foliation close to parallel to the long core axis.
MF17-46	42.60	43.30	peg	Pegmatite 4a	Pink medium grained peg, qtz, albite, spod, tourmaline. Sericite, Fe stain and potassic alteration (?) in the first 30 cm, more preserved spodumene in the rest. Lower contact is almost perpendicular to the MV foliation (and long core axe) with a 1 cm border of mass tourmaline followed by accicular tourm perpendicular to the contact + qtz. Sulphide seen in the contact. Upper contact has the same features, except for the sulphide.
MF17-46	43.30	71.00	mv	Mafic volcanics	Dark grey MV foliated parallel to the long core axis, turns to grey - green on the last 11 meters with increase of cloritization. Thin qtz (+- tourm) veins + one 20cm vein at 59.45m. 12cm pink peg at 45.5.
	71.00	**EOH**			

Hole_ID	From	To	Litho_Code	glcode	Lithology	Description
MF17-46	17.1	18.3	4a			Pink pegmatite with breccia texture where megacrystals of albite seem to be involved in a qtz, tourmaline, albite mg mass. Fe stain occurs. The hanging wall contact is at low angle with the MV foliation.
MF17-46	25.75	26	4f			wall zone with elongated coarse tourmaline app perpendicular to the border + qtz + albite.
MF17-46	26	26.5	4a			pink pegmatite, mg to cg spodumente, cg albite + qtz. Intermediate zone
MF17-46	26.5	26.6	4f			wall zone with elongated mg to fg tourmaline app perpendicular to the border + qtz.
MF17-46	27.65	30.55	4a			quartz, albite, spd + tourmaline peg
MF17-46	42.6	42.9	4f			albite, quartz, sericite, tourmaline, Fe stain
MF17-46	42.9	43.3	4a			quartz, spodumene, albite, tourmaline. Spodumene crystals oriented in masses
MF17-46	45.5	45.65	4a			pink quartz, albite, tourm peg

Hole_ID	From	To	Width	QAQC	sampleID	Description	lithcode	min_spd	min_colta	min_tur	min_fap	min_qtz	min_ksp	min_ab	E1	E2	E3	M1	M2
MF17-46			0.00	blank	109325	Blank													
MF17-46			0.00	blank	109351	Blank													
MF17-46			0.00	crm	109331	SFTD MF-1													
MF17-46			0.00	crm	109341	STD MF-1													
MF17-46	4.70	5.00	0.30		109347	MV - geochem out of sequence	MV												
MF17-46	9.70	10.00	0.30		109348	MV - geochem out of sequence	MV												
MF17-46	15.65	16.45	0.80		109322	shoulder sample	MV												
MF17-46	16.45	17.10	0.65		109323	shoulder sample	MV												
MF17-46	17.10	18.30	1.20		109324	albite-quartz peg	4a			2		49		49					
MF17-46	18.30	18.80	0.50		109326	shoulder sample	MV												
MF17-46	18.80	19.30	0.50		109327	shoulder sample	MV												
MF17-46	24.75	25.25	0.50		109328	shoulder sample	MV												
MF17-46	25.25	25.75	0.50		109329	shoulder sample	MV												
MF17-46	25.75	26.60	0.85		109330	quartz albite spod peg	4a	8		2		45		45					
MF17-46	26.60	27.55	0.95		109332	shoulder sample	MV												
MF17-46	27.55	29.00	1.45		109333	pegmatite	4a	28		2		40		30					
MF17-46	29.00	30.35	1.35		109334	pegmatite	4a	28		2		40		30					
MF17-46	30.35	30.85	0.50		109335	shoulder sample	MV												
MF17-46	30.85	31.35	0.50		109336	shoulder sample	MV												
MF17-46	41.45	41.95	0.50		109337	shoulder sample	MV												
MF17-46	41.95	42.60	0.65		109338	shoulder sample	MV												
MF17-46	42.60	42.90	0.30		109339	pegmatite	4f			1		44		55					
MF17-46	42.90	43.30	0.40		109340	pegmatite	4a	30		2		45		20					
MF17-46	43.30	44.25	0.95		109342	shoulder sample	MV												
MF17-46	44.25	45.50	1.25		109343	shoulder sample	4a			2		49		49					
MF17-46	45.50	45.65	0.15		109344	pegmatite	MV												
MF17-46	45.65	46.15	0.50		109345	shoulder sample	MV												
MF17-46	46.15	46.65	0.50		109346	shoulder sample	MV												
MF17-46	50.00	50.30	0.30		109349	MV - geochem out of sequence	MV												
MF17-46	55.15	55.45	0.30		109350	MV - geochem out of sequence	MV												
MF17-46	59.00	59.30	0.30		109352	MV - geochem out of sequence	MV												
MF17-46	64.70	65.00	0.30		109353	MV - geochem out of sequence	MV												

HoleID	Hole Start	Hole End	UTM E	UTM N	Elev_m	Length_m	Az	Dip	UTM Zn	Datum	Drill Contractor	Core Size	Area	Claim
MF-17-47	20/02/17	21/02/17	525855.8	551905.7	439	80.0	100	-55	15	NAD83	Distinctive Drilling	NQ	Pegmatite 18	

Log Start	Log End	Geo	Tech
3-Mar-17	3-Mar-17	MF	GS

Check List

GEO_log tabs						TECH_log tabs					TECH_PROCESSES		Data Entry
Litho_Major	Litho_Minor	Samples	Alteration	Quick log	Header	Box Intervals	RQD	Orientation Lo	Core Or. Meas	MS	Sampling	Photos	Survey
YES	YES	YES	YES	YES	NO	YES	YES	YES	YES	YES	YES	YES	YES

Target:	Drilled the test the down-plunge intersections of proposed MF17-46 approximately 50mdown-dip
Stopped for:	Intercepted anticipated pegmatite mineralization and terminated in mafic metavolcanic
Result:	Several spodumene bearing pegmatites were intersected within this drillhole from 43.55-45.15, 55.15-60.45, 62.15-65.00 and a narrow pegmatite from 68.50-68.85m. The main pegmatite zone occurs from 55.15-65.00. Veins contains approximately 10% spodumene and it was determined that the down-dip mineralization has decreased slighlty from the up-dip hole.

Surveys

Depth (m)	Azimuth (true)°	Dip °
14.0	108.2	-54.8
50.0	109.1	-54.6
80.0	110.3	-54.2

Hole_ID	From	To	Litho_Cod	Lithology	Description
MF17-47	0.00	1.50	ovbd	Overburden	Casing - Fragments of MV + core. Run blcok says (started drilling at 0.6)
MF17-47	1.50	43.55	mv	Mafic volcaonics	Dark grey to green MV foliated, mm to several cms qtz veins. Trace sulphide.Foliation at 45 ish to the long core axis.
MF17-47	43.55	45.15	peg	Pegmatite	pink peg with massive albite (+qtz+tourm) in the first 40cm from hanging wall, aplitic foliated (qtz, alb, tourm) in the last 40 to the footwall. Spod enrichment (+qtz+alb +turm) in the intermediate zone. Hanging wall contact is normal to the long core axis and at 25o ish to MV foliation. has a 1cm border of qtz, alb, tourm, oriented inwards peg. Footwall also normal to long core axis.
MF17-47	45.15	55.15	mv	Mafic volcaonics	dark green-grey MV + several felsic veins (veins of qtz, qtz+alb+tourm, +- altered minerals) or lighter green intervals (cloritized?), trace sulphide
MF17-47	55.15	60.45	peg	Pegmatite	grey pink peg, mainly qtz, mg spod + albite and mg to cg tourmanile with pink albitic intervals. Some Fe stain.The elongation of tourm crystals (and others) close to the contacts is clearly perpendicular to the contact (or will radiate from a MV xenolith). Hanging wall contact is perpendicular to MV foliation, albite rich + qtz and oriented tourm. The footwall contact looks parallel to MV foliation, almost perpendicular to the long core axis. This is a contact followed by 1.5m ish of MV (MV xenolith) and back to peg.
MF17-47	60.45	62.15	mv	Mafic volcaonics	dark grey MV cut my qtz rich veins.
MF17-47	62.15	65.00	peg	Pegmatite	grey peg, portions of qtz, fg to mg spod, sericite, tourm +- alb and portions of albite, cg. Seems to have more than one generation of qzt and felds. Hanging wall contact is parallel to MV foliation, foliated, qtz rich + tourm , apatite (?). Footwall contact seems to be perpendicular to the core long axis.
MF17-47	65.00	68.50	mv	Mafic volcaonics	dark grey - green MV, qtz veins. Foliation around 45o to the long core axis.
MF17-47	68.50	68.85	peg	Pegmatite 4d	pink albite rich aplitic pegmatite (+ qtz, tourm +- sericite -spod (?)). Bottom and top contacts are appr 90o with MV foliaion and have a tourm and qtz rich border.
MF17-47	68.85	80.00	mv	Mafic volcaonics	dark grey - green MV, qtz veins + qtz tourm veins. Foliation around 45o to the long core axis.
	80.00	**EOH**			

Hole_ID	From	To	Litho_Code	Lithology	Description
MF17-47	43.55	44.00	4a		pink peg, cg albite rich, Fe stain + qtz + tourm
MF17-47	44.00	44.70	4a		mg to cg spod , qtz, mg to cg albite, sericite, tourm
MF17-47	44.70	45.15	4d		albite, qzt, tourm "foliated" aplitic peg
MF17-47	55.15	57.05	4a		grey mg spod, qtz, mg to cg albite + tourm peg
MF17-47	57.05	57.45	4a		pink massive albite + qtz, possible carbonate (weathered beryl?/+ rare vfg metalic dark silver mineral, hardness less than 2, black streak).
MF17-47	57.45	60.45	4a		grey mg spod, qtz, mg to cg albite + tourm peg
MF17-47	68.50	68.85	4d		pink albite rich aplitic pegmatite (+ qtz, tourm +- sericite -spod (?))

Hole_ID	From	To	Width	QAQC	sampleID	Description	lithcode	min_spd	in_colta	min_tur	min_fap	min_qtz	min_ksp	min_ab	min_ms	E1	E2	E3	M1	M2
MF17-47			0.00	blank	108476	blank														
MF17-47				crm	108454	STD MF-1														
MF17-47			0.00	crm	108463	STD MF-1														
MF17-47			0.00	crm	108480	STD MF-1														
MF17-47	5.15	5.50	0.35		108451	MV geochem - new sample number sequence started														
MF17-47	9.85	10.15	0.30		108452	MV geochem	MV													
MF17-47	14.75	15.05	0.30		108453	MV geochem	MV													
MF17-47	20.30	20.60	0.30		108455	MV geochem	MV													
MF17-47	24.75	25.05	0.30		108456	MV geochem	MV													
MF17-47	29.60	29.90	0.30		108457	MV geochem	MV													
MF17-47	35.00	35.30	0.30		108458	MV geochem	MV													
MF17-47	41.60	42.60	1.00		108459	shoulder sample	MV													
MF17-47	42.60	43.10	0.50		108460	shoulder sample	MV													
MF17-47	43.10	43.55	0.45		108461	shoulder sample	MV													
MF17-47	43.55	44.00	0.45		108462	peg	4a	1		2		37		60						
MF17-47	44.00	44.70	0.70		108464	peg	4a	10		2		44		44						
MF17-47	44.70	45.15	0.45		108465	peg	4d	1		5		54		40						
MF17-47	45.15	45.65	0.50		108466	shoulder sample	MV													
MF17-47	45.65	46.15	0.50		108467	shoulder sample	MV													
MF17-47	46.15	47.15	1.00		108468	shoulder sample	MV													
MF17-47	53.2	54.2	1.00		108469	shoulder sample	MV													
MF17-47	54.20	54.70	0.50		108470	shoulder sample	MV													
MF17-47	54.70	55.15	0.45		108471	shoulder sample	MV													
MF17-47	55.15	57.05	1.90		108472	peg	4a	9		3		44		54						
MF17-47	57.05	57.45	0.40		108473	peg	4a					35		65						
MF17-47	57.45	59.00	1.55		108474	peg	4a	9		3		44		54						
MF17-47	59.00	60.45	1.45		108475	peg	4a	9		3		44		54						
MF17-47	60.45	62.15	1.70		108477	MV	MV													
MF17-47	62.15	63.5	1.35		108478	peg	4a	7		2		46		45						
MF17-47	63.5	65	1.50		108479	peg	4a	7		2		46		45						
MF17-47	65.00	65.50	0.50		108481	shoulder sample	MV													
MF17-47	65.50	66.05	0.55		108482	shoulder sample	MV													
MF17-47	66.05	67.00	0.95		108483	shoulder sample	MV													
MF17-47	67.00	68.00	1.00		108484	shoulder sample	MV													
MF17-47	68.00	68.50	0.50		108485	shoulder sample	MV													
MF17-47	68.50	68.85	0.35		108486	peg	4d			2		43		55						
MF17-47	68.85	69.30	0.45		108487	shoulder sample	MV													
MF17-47	69.30	69.80	0.50		108488	shoulder sample	MV													
MF17-47	69.80	70.80	1.00		108489	shoulder sample	MV													
MF17-47	75.30	75.60	0.30		108490	MV geochem	MV													

HoleID	Hole Start	Hole End	UTM E	UTM N	Elev_m	Length_m	Az	Dip	UTM Zn	Datum	Drill Contractor	Core Size	Area	Claim
MF-17-48	21/02/17	21/02/17	525854	5519050	439	71.0	0	-70	15	NAD83	Distinctive Drilling	NQ	Pegmatite 18	4208712

Log Start	Log End	Geo	Tech
6-Mar-17	6-Mar-17	MF	GS

Check List

GEO_log tabs						TECH_log tabs					TECH_PROCESSES		Data Entry
Litho_Major	Litho_Minor	Samples	Alteration	Quick log	Header	Box Intervals	RQD	Orientation Lo	Core Or. Meas	MS	Sampling	Photos	Survey
YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES

Target:	Drill test 50m down plunge of MF17-45
Stopped for:	intercepted target pegmatite and terminated in mafic volcanic
Result:	Several spodumene pegmatites were intersected highlighting the pegmatites significant lateral and down-dip continuity when compared to that of other pegmatites on the property. It was decided that even though mineralization was continuous to this depth, the strength of mineralization had diminished

Surveys

Depth (m)	Azimuth (true)°	Dip °
20.0	6.1	-70.6
50.0	6.6	-70.5
71.0	7	-70.5

MF-17-48	0.00	32.05	mv	Mafic volcanics	little overburden of 5cm (soil). Dark grey MV finely foliated, foliation apprx 20o with the long core axis. Qtz veins + Interval of granitic vein (qtz, feldsp +- tourm)from 3.15m to 3.55m + small qtz +- felds veins. Highly fractured and more weathered around 29m.
MF-17-48	32.05	32.40	peg	Pegmatite 4d	pink aplitic peg qtz rich + albite and tourmaline, minerals oriented. Fe stain. 2cm albite rich interval on hanging wall. Both contacts at low angle, almost perpendicular to long core axis.
MF-17-48	32.40	38.95	mv	Mafic volcanics	Dark grey MV foliated, foliation apprx 20o with the long core axis. 5cm granitic vein (qtz, albite, tourm)
MF-17-48	38.95	40.45	peg	Pegmatite 4a	pink albite rich peg +mg spod and qtz concentrated in grey masses + tourm throughout +- sericite, possible subhedric beryl in the last 20cm to the footwall contact. Both contacts are about 45o to the long core axis with elongated tourmaline oriented perpendicular to the contact.
MF-17-48	40.45	49.75	mv	Mafic volcanics	Dark grey MV foliated, foliation apprx 20o with the long core axis. 115.14 20cm qtz vein
MF-17-48	49.75	50.70	peg	Pegmatite	pink qtz, albite, mg spod +- sericite, tourm peg. 50.5 m: a little angular xenolith of MV shows in micro scale the oriented crystals of tourm perpendicular to the contact. Both contacts have qtz tourm borders with tourm oriented and cut MV foliation at appr 45o.
MF-17-48	50.70	54.80	mv	Mafic volcanics	dark grey foliated MV, foliation almost parallel the long core axis. 30cm qtz vein + pyrite and Mv xenolith.
MF-17-48	54.80	56.70	peg	Pegmatite 4d	pink to dark pink aplitic peg, cg albite (+ kspar?), qtz, mg spod +- sericite, tourm throughout, minor muscovite, carb (?) veins. Both contacts cut MV foliation at low angle
MF-17-48	56.70	71.00	mv	Mafic volcanics	dark grey foliated MV, foliation subparallel to the long core axis. Qtz +- pyrite veins, tourm qtz pyrite vein , granitic veins. Small veinlets close to the EOH gives brecciated texture.
	71.00	**EOH**			

Hole_ID	From	To	Width	QAQC	sampleID	Description	lithcode	min_spd	min_coltan	min_tur	min_fap	min_qtz	min_ksp	min_ab	min_ms	min_grt	E1	E2
MF-17-48			0.00	blank	108496	blank												
MF-17-48			0.00	crm	108555	STD MF-1												
MF-17-48			0.00	crm	108568	STD MF-1												
MF-17-48	4.10	4.40	0.30		108491	MV geochem	MV											
MF-17-48	9.85	10.15	0.30		108492	MV geochem	MV											
MF-17-48	14.90	15.25	0.35		108493	MV geochem	MV											
MF-17-48	20.00	20.30	0.30		108494	MV geochem	MV											
MF-17-48	24.45	24.75	0.30		108495	MV geochem	MV											
MF-17-48	30.90	31.45	0.55		108497	shoulder sample	MV											
MF-17-48	31.45	32.05	0.60		108498	shoulder sample	MV											
MF-17-48	32.05	32.40	0.35		108499	peg	4d			2		49		49				
MF-17-48	32.40	32.90	0.50		108500	shoulder sample	MV											
MF-17-48	32.90	33.40	0.50		108551	shoulder sample - sample ID sequence broken (lack of tags)	MV											
MF-17-48	37.90	38.40	0.50		108552	shoulder sample	MV											
MF-17-48	38.40	38.95	0.55		108553	shoulder sample	MV											
MF-17-48	38.95	40.45	1.50		108554	peg	4a	8		2		44		46				
MF-17-48	40.45	41.00	0.55		108556	shoulder sample	MV											
MF-17-48	41.00	41.50	0.50		108557	shoulder sample	MV											
MF-17-48	41.50	42.45	0.95		108558	shoulder sample	MV											
MF-17-48	47.75	48.75	1.00		108559	shoulder sample	MV											
MF-17-48	48.75	49.25	0.50		108560	shoulder sample	MV											
MF-17-48	49.25	49.75	0.50		108561	shoulder sample	MV											
MF-17-48	49.75	50.70	0.95		108562	peg	4d											
MF-17-48	50.70	51.15	0.45		108563	shoulder sample	MV											
MF-17-48	51.15	51.65	0.50		108564	shoulder sample	MV											
MF-17-48	53.80	54.30	0.50		108565	shoulder sample	MV											
MF-17-48	54.30	54.80	0.50		108566	shoulder sample	MV											
MF-17-48	54.80	56.70	1.90		108567	peg	4d	4		4		35	12	45				
MF-17-48	56.70	57.20	0.50		108569	shoulder sample	MV											
MF-17-48	57.20	57.70	0.50		108570	shoulder sample	MV											
MF-17-48	64.70	65.00	0.30		108571	MV geochem	MV											

HoleID	Hole Start	Hole End	UTM E	UTM N	Elev_m	Length_m	Az	Dip	UTM Zn	Datum	Drill Contractor	Core Size	Area	Claim
MF-17-39	25/02/17	27/02/17	524387.702	5518034.91	420	161.0	93	-63	15	NAD83	Distinctive Drilling	NQ	Deep peg	K498290

Log Start	Log End	Geo	Tech
28-Feb-17	1-Mar-17	MF	GS

Check List

GEO_log tabs						TECH_log tabs					TECH_PROCESSES		Data Entry
Litho_Major	Litho_Minor	Samples	Alteration	Quick log	Header	Box Intervals	RQD	Orientation Lo	Core Or. Meas	MS	Sampling	Photos	Survey
YES	YES	YES	YES	YES	NO	YES	YES	YES	YES	YES	NO	YES	YES

Target:	Designed to drill test approximately 20-25m to the east of the primary and thickest, well mineralized intersections of MF17-39 and to also test an even farther distant from MF17-40 such that more appropriate pegmatite body orientations could be determined for future drill targeting.
Stopped for:	Intersected target pegmatites and drillhole was terminated in mafic metavolcanics.
Result:	This drillhole intersected typical mavic metavolcanic stratigraphy along several well mineralized spodumene bearing pegmatites. Well mineralized spodumene bearing pegmatites occur from 49.05-53.20m, 78.05-87.90m, 111.90-118.85m and the main pegmatite zone occurs from 121.35-143.00m. Spodumene concentration varies from 5-25% among pegmatites. Holmgquistite is the most osbervable in the thickest and deepest pegmatite and alteration is strongest and widest within the footwall contact when Li values are as high as 1% Li20. The wider Li and Holmquistite dispersion is probably because of the shallow intersecting angles of the drillhole. Overall foliation an pegmatite contact orientation are parallel and a low angles to core axis corroborating a steep and west foliation and emplacement geometry. J.Harrop believes this drillhole contains one of the only occurrence of 'real zoning' features whereby a narrow core of entirely Albite and lesser quartz occurs from 129.25-130.50m.

Surveys

Depth (m)	Azimuth (true)°	Dip °
20.0	92.5	-63.4
50.0	94.9	-63
101.0	98.5	-62.5
152	99.6	-62

Hole_ID	From	To	lithcode	Lithology	Description
MF17-49	0	9	ovbd	Overburden	Casing. 8.8 to 9 dark pink aplite
MF17-49	9	38.3	mv	Mafic volcanics	dark grey to greenish MV with fine foliation close to parallel to the long core axis, intensively cut by veins (qtz +- sulphide +- tourmaline? And what seems to be pseudomorphs of garnet - substituted by sulphide?), cloritized, possible amphibole.
MF17-49	38.3	39.3	peg	Pegmatite	light pink and grey pegmatite, cg albite - angular in some parts surrounded by qtz-spod mg (breccia texture), sericitized. Footwall contact has a cm long qtz + elongated tourmaline border,footwall contact has a cm qtz border, tourm accicular up to 40 cm of the contact. Contact is parallel to the local foliation of MV. First 30cm apltic.
MF17-49	39.30	40.10	mv	Mafic volcanics	dark grey MV, thin foliation, cut by veins, including peg veins.
MF17-49	40.10	41.30	peg	Pegmatite 4a	grey/pink peg, blocky albite, mg qtz+spod. Sericitization and fg tourmaline throughout, lower and upper contact almos parallel to MV's foliation with cm qtz +- tourm border. The central part looks coarser, borders aplitic (20cm approx). Metalic, soft silver-blue mineral identified, black streak (molybidenite?) (41.5m, detail photo).
MF17-49	41.30	49.05	mv	Mafic volcanics	dark grey foliated (45 to the long core axis) MV, intensive veins, veinlets concordant to the foliation or defining the foliation. Qtz veins + sulphides + pseudomorphs of garnet.
MF17-49	49.05	53.20	peg	Pegmatite	grey- white - pink peg with megacrystals of spodumene and albte in grey quartz rich masses (breccia texture), abundant greenish mica associated to qtz (sercitization of spod?). Fe alteration and possible garnet pseudomorphs locally. Pink colouring in the last 1m to the hanging wall, albte rich, spod poor.
MF17-49	53.20	78.05	mv	Mafic volcanics	dark grey MV, thin foliation, intensily cut by veins, including peg-granitic veins. Qtz +-sulphides +- garnet (pseudomorphs).
MF17-49	78.05	87.90	peg	Pegmatite	pink grey peg, qtz, coarse crystals of spod and albite, green mica, possible apatite, tourmaline on borders. Albtization and sericitization with variable intensity, breccia texture. Lowers contact is close to parllel to MV foliation wth qtz + tourm (+- apatite) border. Around 86m, contact with a MV xenolith has 5cm qtz + green mica - oriented perpendicular to the contact. Variable texture/ coloring (maybe generations) of minerals (qtz, feldspar, spod) - higly heterogeneous peg. Irregular upper contact with qtz + tourm, apparently perpendicular to the MV foliation.
MF17-49	87.90	111.90	mv	Mafic volcanics	dark grey foliated MV (subparellel to the long core axis) with several veins of quartz or granitic composition + sulphides, tourm, and garnet (altered and pseudomorphs) and holmquisite
MF17-49	111.90	118.85	peg	Pegmatite	greyish peg, coarse crystals of spod and albite, grey qtz, mica : light brown coarse + qtz, alb, unaltered spo; & masses of green mica around spod - sericitization of spod (muscovite and sericite?). Trace: tourmaline, apatite, dark silver soft metalic mineral - blck streak on paper. Foot wall contact is irregular, boarders of MV have garnet. Hanging wall contact s sharp, qtz + albite, parallel to MV foliation.
MF17-49	118.85	121.35	mv	Mafic volcanics	dark grey MV, fine foliation, appr 45o to the long core axis. Has qtz veins, garnet, pseudomorphs of garnet, sulphide and holmquisite (detail photo). Garnet/qtz/sulphide sigmoids identifed (detail photo).
MF17-49	121.35	143.00	peg	Pegmatite 4c	pink white peg, zones of qtz + spod (mg to cg), megacrystals of albite, fg mica green + mg caramel mica (sericite + muscovite?), trace fg-mg apatite and fg tourmaline. There are intervals of mineral orientation - foliation. Another interval has megacrystals of albite cut by qtz+tourm veins - breccia like. Hanging wall contact is irregular with mixes of peg and MV app. parallel to MV foliation. Footwall contact is irregular and tending to steep parallel to the long core axis.
MF17-49	143.00	144.25	mv	Mafic volcanics	dark grey to grey-bluish (holmq?) foliated MV with fg garnet (intense in the contact with peg), tourm, sulphide
MF17-49	144.25	145.55	peg	Pegmatite 4a	white peg, qtz, albite, garnet, apatite, tourmaline, sericite, spod (poor) + purple vitreous mineral. Footwall contact is parallel to MV foliation. Footwall contact is very irregular.
MF17-49	145.55	161.00	mv	Mafic volcanics	dark grey foliated MV, quartz veins and veinlets, garnet. Quartz veins with a border that seems to have granitic composition.
	161.00	**EOH**			

Hole_ID	From	To	lithcode	Lithology	Description
MF17-49	8.80	9.00	4d		Casing from 0 to 9. 8.8 to 9 recovered - aplite. Dark pink aplite.
MF17-49	38.30	39.30	4a		qtz, albite, spod , aplitic in some parts, quartz rich.
MF17-49	38.30	38.60	4d		aplitic pegmatite
MF17-49	49.05	52.40	4a		white-grey, megacrystals of spodumene and albite +
MF17-49	52.40	53.20	4a		pink-grey peg, coarse crystals of albite + qtz, spod, sericite.
MF17-49	78.05	80.35	4a	4c maybe?	pink, albite rich (or other feldspar) + qtz , spod peg
MF17-49	80.35	86.10	4a		grey-pink qtz & spod rich peg + albite + green mica. Green mica in vein-like oriented masses around coarse crystals or xenoliths? Very often the texture sugests qtz+spod(or sericite) together as a vein or mass, apart from coarse crystals of albite.
MF17-49	86.10	87.90	4a		light pink, grey, qtz, albite spod + green mica peg. Includes a 20cm xenolit of MV
MF17-49	111.90	117.10	4a		megacrystals of spod and albite + qtz + mica
MF17-49	117.10	118.85	4a		megacrystals of spod highly sericitized + qtz + albite
MF17-49	121.35	122.20	4c		qtz, albite, spod, sericite, muscovite, pink peg. Coarse crystals of albite and spod. Zones of mineral orientation like foliation.
MF17-49	122.20	122.95	4c		mainly qtz-alb (spod?), albite + (accicular vitreous-white thin mineral) almost afanitic zone with foliation like structure,qtz +- spod +- muscovite when faneritc.
MF17-49	122.95	124.60	4c		qtz, alb, mg - cg spod, mg muscovite , sericite, apatite (fg and mg), garnet (ghost). Coarse crystals of spod and albite, masses of qtz + spod, sercitization of spod.
MF17-49	124.60	125.25	4c		zone similar to interval 122.2 to 122.95. oriented minerals
MF17-49	125.25	129.25	4c		qtz, alb, mg - cg spod, mg muscovite , sericite, apatite (fg and mg), garnet (ghost). Coarse crystals of spod and albite, masses of qtz + spod, sercitization of spod.
MF17-49	129.25	130.50	4a		pink white peg , breccia like structure where megacrystals of albite are involved in qtz +- tourm
MF17-49	130.50	138.20	4c		grey qtz, cg albite, cg spod + masses of qtz + mg spod, fg tourmaline, mg muscovite, fg sericite
MF17-49	138.20	140.00	4c		another portion where minerals are oriented, qtz, albite rich (spod poor) + apatite.
MF17-49	140.00	141.00	4c		megacrystals of albite involde in qtz , spod-sericite mass + garnet + muscovite
MF17-49	141.00	142.20	4c		another portion where minerals are oriented, qtz, albite rich (spod poor) + apatite.
MF17-49	142.20	142.80	4a	mafic metavolcanics	qtz rich interval + spod mg, including xenolith of MV, fine foliation, fg to mg and elongated in the foliation plane garnet, trace sulphide, tourm.
MF17-49	142.80	143.00	4a		qtz rich interval + spod + sericite
MF17-49	143.00	145.55	4a		albite qtz rich + spod, sericite, apatite, garnet, tourm, mineral orientation

Hole_ID	From	To	Width	QAQC	sampleID	Description	lithcode	min_spd	min_coltan	min_tur	min_fap	min_qtz	min_ksp	min_ab	min_ms	min_grt	min_brl	E1	E2	E3	M1	M2
MF17-49			0.00	blank	109359	blank																
MF17-49			0.00	blank	109375	blank	4a															
MF17-49			0.00	blank	109393	blank																
MF17-49			0.00	blank	109413	blank																
MF17-49			0.00	crm	109365	STD MF-1																
MF17-49			0.00	crm	109389	STD MF-1																
MF17-49			0.00	crm	109404	STD MF-1																
MF17-49			0.00	crm	109418	STD MF-1																
MF17-49	10.10	10.40	0.30		109354	MV geochem	MV															
MF17-49	15.00	15.30	0.30		109355	MV geochem	MV															
MF17-49	19.70	20.00	0.30		109356	MV geochem	MV															
MF17-49	24.60	24.90	0.30		109357	MV geochem	MV															
MF17-49	29.30	29.60	0.30		109358	MV geochem	MV															
MF17-49	36.25	37.25	1.00		109360	shoulder sample	MV															
MF17-49	37.25	37.75	0.50		109361	shoulder sample	MV															
MF17-49	37.75	38.30	0.55		109362	shoulder sample	MV															
MF17-49	38.30	38.60	0.30		109363	pegmatite	4d	2		1		52		45								
MF17-49	38.60	39.30	0.70		109364	pegmatite	4a	5		2		55		38								
MF17-49	39.30	40.10	0.80		109366	MV - shoulder sample	MV															
MF17-49	40.10	41.30	1.20		109367	pegmatite	4a	3				52		45								
MF17-49	41.30	41.80	0.50		109368	MV - shoulder sample	MV															
MF17-49	41.80	42.30	0.50		109369	MV - shoulder sample	MV															
MF17-49	42.30	43.30	1.00		109370	MV - shoulder sample	MV															
MF17-49	47.00	48.00	1.00		109371	MV - shoulder sample	MV															
MF17-49	48.00	48.50	0.50		109372	MV - shoulder sample	MV															
MF17-49	48.50	49.05	0.55		109373	MV - shoulder sample	MV															
MF17-49	49.05	50.55	1.50		109374	pegmatite	4a	15				60		25								
MF17-49	50.55	52.40	1.85		109376	pegmatite	4a															
MF17-49	52.40	53.20	0.80		109377	pegmatite	4a															
MF17-49	53.20	53.70	0.50		109378	shoulder sample	MV															
MF17-49	53.70	54.15	0.45		109379	shoulder sample	MV															
MF17-49	54.15	55.15	1.00		109380	shoulder sample	MV															
MF17-49	64.65	65.00	0.35		109381	MV geochem	MV															
MF17-49	76.00	77.00	1.00		109382	shoulder sample	MV															
MF17-49	77.00	77.55	0.55		109383	shoulder sample	MV															
MF17-49	77.55	78.05	0.50		109384	shoulder sample	MV															
MF17-49	78.05	80.35	2.30		109385	pegmatite	4a	10		2		43		45								
MF17-49	80.35	82.50	2.15		109386	pegmatite	4a	20				45		35								
MF17-49	82.50	83.15	0.65		109387	pegmatite	4a	15				45		40								
MF17-49	83.15	83.70	0.55		109388	pegmatite	4a															
MF17-49	83.70	86.10	2.40		109390	pegmatite	4a	15				45		40								
MF17-49	86.10	87.30	1.20		109391	pegmatite	4a	10				45		45								
MF17-49	87.30	87.90	0.60		109392	MV + peg	MV	1		4		50		45								
MF17-49	87.90	88.40	0.50		109394	shoulder sample	MV															
MF17-49	88.40	89.00	0.60		109395	shoulder sample	MV															
MF17-49	89.00	89.95	0.95		109396	shoulder sample	MV															

Hole_ID	From	To	Width	QAQC	sampleID	Description	lithcode	min_spd	min_coltan	min_tur	min_fap	min_qtz	min_ksp	min_ab	min_ms	min_grt	min_brl	E1	E2	E3	M1	M2
MF17-49	100.40	100.70	0.30		109397	MV geochem	MV															
MF17-49	110.00	111.15	1.15		109398	shoulder sample	MV															
MF17-49	111.15	111.60	0.45		109399	shoulder sample - MV + qtz vein +- peg contamination	MV															
MF17-49	111.60	111.90	0.30		109400	shoulder sample - MV + peg contamination	MV															
MF17-49	111.90	114.40	2.50		109401	pegmatite	4a	20				40		40								
MF17-49	114.40	115.80	1.40		109402	pegmatite	4a	20				40		40								
MF17-49	115.80	117.10	1.30		109403	pegmatite	4a	10				45		45								
MF17-49	117.10	118.85	1.75		109405	pegmatite	4a	5				45		50								
MF17-49	118.85	121.35	2.50		109406	MV	MV															
MF17-49	121.35	122.20	0.85		109407	pegmatite	4c	8				44		42	6							
MF17-49	122.20	122.95	0.75		109408	pegmatite	4c	3				44		48	5							
MF17-49	122.95	124.60	1.65		109409	pegmatite	4c	8				42		45	5							
MF17-49	124.60	125.25	0.65		109410	pegmatite	4c	1		2		47		48	2							
MF17-49	125.25	127.30	2.05		109411	pegmatite	4c	10				45		45								
MF17-49	127.30	129.25	1.95		109412	pegmatite	4c	10				45		45								
MF17-49	129.25	130.50	1.25		109414	pegmatite	4a			1		39		60								
MF17-49	130.50	131.65	1.15		109415	pegmatite	4c	20				65		15								
MF17-49	131.65	134.00	2.35		109416	pegmatite	4c	10				50		40								
MF17-49	134.00	136.05	2.05		109417	pegmatite	4c	18				53		25	4							
MF17-49	136.05	138.20	2.15		109419	pegmatite	4c	15				51		30	4							
MF17-49	138.20	140.00	1.80		109420	pegmatite	4c	5			2	50		43								
MF17-49	140.00	141.00	1.00		109421	pegmatite	4c	5				50		45								
MF17-49	141.00	142.20	1.20		109422	pegmatite	4c	2				50		48								
MF17-49	142.20	142.80	0.60		109423	MV + peg	MV	2				40		30		5						
MF17-49	142.80	143.00	0.20		109424	pegmatite - small sample made to avoid MV contamination	4a	2				68		30								
MF17-49	143.00	144.25	1.25		109425	MV	MV															
MF17-49	144.25	145.55	1.30		109426	pegmatite	4a	1			1	55		42		1						
MF17-49	145.55	146.00	0.45		109427	shoulder sample	MV															
MF17-49	146.00	146.55	0.55		109428	shoulder sample	MV															
MF17-49	146.55	147.55	1.00		109429	shoulder sample	MV															
MF17-49	156.85	157.15	0.30		109430	MV geochem	MV															

HoleID	Hole Start	Hole End	UTM E	UTM N	Elev_m	Length_m	Az	Dip	UTM Zn	Datum	Drill Contractor	Core Size	Area	Claim
MF-17-50	27/02/17	02/03/17	524403.961	5518035.87	420	164.0	92	-62	15	NAD83	Distinctive Drilling	NQ	Deep Peg	K498290

Log Start	Log End	Geo	Tech
2-Mar-17	5-Mar-17	MF	GS

Check List

GEO_log tabs						TECH_log tabs					TECH_PROCESSES		Data Entry
Litho_Major	Litho_Minor	Samples	Alteration	Quick log	Header	Box Intervals	RQD	Orientation Lo	Core Or. Meas	MS	Sampling	Photos	Survey
YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES

Target:	Designed to drill test the main and well mineralized bodies within 15-20m to the east of drillhole MF17-39 and 40 along strike such that pegmatite geometries can be modelled.
Stopped for:	Intersected appropriate pegmatite bodies and reached target depth. Hole was shut down in Mafic Metvolcanic rocks
Result:	This borehole intercepted typical mafic metavolcanic stratigraphy within the property that is intersected by several spodumene bearing pegmatite occurrences. Spodumene bearing pegmatites occur from 46.45-52.55m, 74.55-81.90m, 122.00-124.20m, 128.8-143.00m. The intersection depths have a strong degree of correlation the main pegmatite occurrences in MF17-49. Minor holmquistite alteration is observed surrounding the two deeper pegmatite ocurrences. It was determined to suspend drilling operations after this hole such that an appropriate amount of time could be utilized to model pegmatite geometry within this area of the property for future drilling campaigns.

Surveys

Depth (m)	Azimuth (true)°	Dip °
17.0	94.2	-61.5
50.0	94.5	-61
101.0	95	-60.5
152	100.6	-59.3

Hole_ID	From	To	Litho_Code	Lithology	Description
MF17-50	0.00	5.10	ovbd	Overburden	Casing. MV. first centimeters of grey aplite, folllowed by MV with 30cm of dark pink aplite
MF17-50	5.10	11.10	mv	Mafic volcanics	dark grey- green MV thin foliation
MF17-50	11.10	12.05	peg	Pegmatite	pink - grey to dark pink peg, coarse crystals of dark pink feldspar (K?), mg spod + qtz, tourm throughout, sericite. 30cm to the footwall it gets foliated , tourm enriched. Both contacts are subparallel to MV's foliation.
MF17-50	12.05	46.45	mv	Mafic volcanics	dark grey- green MV foliated and "laminated", foliation subparellel to the long core axis. Qtz veins +- garnet, sulphide. Possible holmquisite.
MF17-50	46.45	52.55	peg	Pegmatite	white grey peg with coarse spod and alb, grey qtz, mg to cg muscovite, fg to mg sericite. The lower contact is qtz rich + appr. 10 cm of coarse muscovite. The last two meters to the footwall are pink, albite and sericite rich, "foliated". Footwall contact is irregular, subparallel to MV foliation.
MF17-50	52.55	74.55	mv	Mafic volcanics	dark grey MV foliated, foliation approx 45o with the long core axis, qtz veins +- sulphide. Qtz veins with MV xenoliths +- peg/granitic (?) xenoliths.
MF17-50	74.55	81.90	peg	Pegmatite	grey - light pink peg with qtz + mg to cg spod and cg albite + muscovite and sericite. Pink portions of albite mainly. 1m from both contacts is the spod encriched zone.
MF17-50	81.90	83.45	mv	Mafic volcanics	MV intenselly cut by qtz veins with possible inlcusion of granite/peg minerals. Qtz, tourmaline, sericite, amphibole (?)
MF17-50	83.45	91.10	peg	Pegmatite	grey - pink peg with coarse albite, mg to cg spod + qtz + sericite+- muscovite. First 1.5m zone is qtz rich, sericite rich, without coarse peg textute. Anhedrical and thinner minerals. Footwall contact is parallel to MV foliation. From the footwall to appr 60cm inwards composition is mainly qtz, alb, musc. The internal zone is enriched in spod mg to cg + cg albite and qtz +- sericite.
MF17-50	91.10	115.20	mv	Mafic volcanics	MV, foliation parallel to the long core axis. Qtz veins and veinlets +- sulphide (pyrite). Some veins are ondulated. One 10cm "vein" cuts MV sharply and has granitc composition (peg?). At 114m pink albite - qtz rich aplitic peg + MV. The ondulated contact has qtz tourm border and the MV is enriched in garnet.
MF17-50	115.20	115.70	peg	Pegmatite	pink grey aplitic peg albite + qtz rich. Footwall contact is parallel to MVs foliation (locally)
MF17-50	115.70	122.00	mv	Mafic volcanics	dark grey MV, finely foliated, qtz veins, qtz to granitc veins, garnet rich, some amphibole (holmquisite prob +- actinolite?), sulphides. Shistosity in some parts that have coarser dark mineral (possibly tourm).
MF17-50	122.00	124.20	peg	Pegmatite	grey peg with mg to cg spod, qtz and albite, some muscovite, tourmaline and apatite maybe. Hanging wall has massive albite for 15cm, mm border of qtz + tourm, contact parellel to MV foliation. Same for footwall, but thinner albite portion.
MF17-50	124.20	128.80	mv	Mafic volcanics	dark grey MV with several qtz veins, some ondulated, lighther colored in the veining areas, qtz subheudral tourm veins. Tourm troughout, amphibole.
MF17-50	128.80	143.00	peg	Pegmatite	white pink peg, mg to cg spod, cg albite + qtz, aplitic parts. Sericite, tourmaline throughout, garnet around hanging wall contact. Pink, aplitic on the last 2 m before the footwall contact. Fe oxide.
MF17-50	143.00	164.00	mv	Mafic volcanics	dark grey MV with several qtz veins, some ondulated, lighther colored in the veining areas, qtz subheudral tourm veins. Holmquisite +- actinolite.
	164.0	**EOH**			

Hole_ID	From	To	Litho_Code	Lithology	Description
MF17-50	4.2	4.4	4d		Casing - grey aplite
MF17-50	6.35	6.55	4d		Dark pink aplite
MF17-50	46.45	50.7	4c		white coarse peg, spod, albite, qtz, muscov. Fe oxidation.
MF17-50	50.7	52.55	4a		pink foliated masses of qtz albite, mg spod, fg to mg sericite rich
MF17-50	59.95	60.15			vein like interval, qtz rich + alb + spod(?) + tourm + sulphide (?) cutting MV
MF17-50	74.55	75.5	4c		qtz, albite, muscovite, spod pinkish peg
MF17-50	75.5	80.9	4b		mg to cg spod + qtz with coarse to megacrystals of albite, zone of enrichment of spod in the context of the peg intersection
MF17-50	80.9	81.9	4c		qtz, albite, sericite, spod pinkish peg
MF17-50	83.45	85	4d		qtz rich, sericite rich zone (+alb) without coarse peg textute. Anhedrical and thin minerals.
MF17-50	85	90.75	4b		qtz, mg to cg spod, cg albite +- sericite
MF17-50	90.75	91.1	4d		qtz, albite, sericite (wall zone?)
MF17-50	115.2	115.7	4d		aplitic peg, albite rich
MF17-50	122	124.2	4c		coarse spod and albite + qtz + mg spod + muscovite + sericite (increases to the footwall)
MF17-50	128.8	134.25	4d		aplitic qtz albite + apatite "veins" + megacrystals of albite and spod. More aplitic and `foliated` closer to the hanging wall.
MF17-50	134.25	140.35	4d		cg albite + mg to cg spod + qtz, sericite, tourm
MF17-50	140.35	143	4d		pink aplitic albite and qtz rich peg + spod and sericite + apatite and tourm (trace)

Hole_ID	From	To	Width	QAQC	sampleID	Description	lithcode	min_spd	min_coltar	min_tur	min_fap	min_qtz	min_ksp	min_ab	min_ms	min_grt	min_brl	E1	E2	E3	M1	M2
MF17-50			0.00	blank	109440	blank																
MF17-50			0.00	blank	109460	blank																
MF17-50			0.00	blank	109480	blank																
MF17-50			0.00	crm	109446	STD MF 1																
MF17-50			0.00	crm	109465	STD MF 1																
MF17-50			0.00	crm	109488	STD MF 1																
MF17-50	8.90	9.90	1.00		109431	shoulder sample	MV															
MF17-50	9.90	10.40	0.50		109432	shoulder sample	MV															
MF17-50	10.40	11.10	0.70		109433	shoulder sample	MV															
MF17-50	11.10	12.05	0.95		109434	peg	4d	9.00		1.00		45.00		45.00								
MF17-50	12.05	12.45	0.40		109435	shoulder sample	MV															
MF17-50	12.45	12.85	0.40		109436	shoulder sample	MV															
MF17-50	12.85	13.90	1.05		109437	shoulder sample	MV															
MF17-50	24.20	24.50	0.30		109438	MV geochem	MV															
MF17-50	34.40	34.70	0.30		109439	MV geochem	MV															
MF17-50	44.45	45.45	1.00		109441	shoulder sample	MV															
MF17-50	45.45	45.90	0.45		109442	shoulder sample	MV															
MF17-50	45.90	46.45	0.55		109443	shoulder sample	MV															
MF17-50	46.45	48.35	1.90		109444	peg	4c	20.00				60.00		20.00								
MF17-50	48.35	50.70	2.35		109445	peg	4c	20.00				60.00		20.00								
MF17-50	50.70	52.55	1.85		109447	peg	4a	7.00				40.00		49.00	4.00							
MF17-50	52.55	53.00	0.45		109448	shoulder sample	MV															
MF17-50	53.00	53.55	0.55		109449	shoulder sample	MV															
MF17-50	53.55	54.55	1.00		109450	shoulder sample	MV															
MF17-50	65.50	65.80	0.30		109451	MV geochem	MV															
MF17-50	72.50	73.60	1.10		109452	shoulder sample	MV															
MF17-50	73.60	74.00	0.40		109453	shoulder sample	MV															
MF17-50	74.00	74.55	0.55		109454	shoulder sample	MV															
MF17-50	74.55	75.55	1.00		109455	peg	4c	3.00				42.00		50.00	5.00							
MF17-50	75.55	77.55	2.00		109456	peg	4c	10.00				35.00		35.00								
MF17-50	77.55	79.05	1.50		109457	peg	4c	20.00				40.00		40.00								
MF17-50	79.05	80.90	1.85		109458	peg	4c	20.00				40.00		40.00								
MF17-50	80.90	81.90	1.00		109459	peg	4d	5.00				48.00		47.00								
MF17-50	81.90	83.45	1.55		109461	MV with mixes of peg	MV															
MF17-50	83.45	85.00	1.55		109462	peg		4.00				46.00		46.00	4.00							
MF17-50	85.00	87.00	2.00		109463	peg		15.00				45.00		40.00								
MF17-50	87.00	89.00	2.00		109464	peg		25.00				45.00		30.00								
MF17-50	89.00	90.75	1.75		109466	peg		25.00				45.00		30.00								
MF17-50	90.75	91.10	0.35		109467	peg		1.00				45.00		49.00	5.00							
MF17-50	91.10	91.70	0.60		109468	shoulder sample	MV															
MF17-50	91.70	92.20	0.50		109469	shoulder sample	MV															
MF17-50	92.20	93.15	0.95		109470	shoulder sample	MV															
MF17-50	102.65	102.95	0.30		109471	MV geochem	MV															
MF17-50	113.00	113.90	0.90		109472	shoulder sample	MV															
MF17-50	113.90	114.35	0.45		109473	`vein`																
MF17-50	114.35	115.15	0.80		109474	shoulder sample	MV															

Hole_ID	From	To	Width	QAQC	sampleID	Description	lithcode	min_spd	min_coltar	min_tur	min_fap	min_qtz	min_ksp	min_ab	min_ms	min_grt	min_brl	E1	E2	E3	M1	M2
MF17-50	115.15	115.70	0.55		109475	peg	4d	2.00				48.00		50.00								
MF17-50	115.70	116.30	0.60		109476	shoulder sample	MV															
MF17-50	116.30	116.80	0.50		109477	shoulder sample	MV															
MF17-50	116.80	117.60	0.80		109478	shoulder sample	MV															
MF17-50	122.00	124.20	2.20		109479	peg	4c															
MF17-50	124.20	124.60	0.40		109481	shoulder sample	MV															
MF17-50	124.60	125.00	0.40		109482	shoulder sample	MV															
MF17-50	125.00	126.00	1.00		109483	shoulder sample	MV															
MF17-50	126.80	127.80	1.00		109484	shoulder sample	MV															
MF17-50	127.80	128.25	0.45		109485	shoulder sample	MV															
MF17-50	128.25	128.80	0.55		109486	shoulder sample	MV															
MF17-50	128.80	130.50	1.70		109487	peg	4d	9.00		0.50		50.00		40.00		0.50						
MF17-50	130.50	132.35	1.85		109489	peg	4d	9.00		0.50		50.00		40.00		0.50						
MF17-50	132.35	134.25	1.90		109490	peg	4d	5.00				46.05		48.00		1.00						
MF17-50	134.25	136.25	2.00		109491	peg	4d	9.00				40.00		51.00								
MF17-50	136.25	138.60	2.35		109492	peg	4d	15.00				40.00		45.00								
MF17-50	138.60	140.35	1.75		109493	peg	4d	9.00				43.00		48.00								
MF17-50	140.35	143.00	2.65		109494	peg	4d	8.00				44.00		48.00								
MF17-50	143.00	143.55	0.55		109495	shoulder sample	MV															
MF17-50	143.55	144.10	0.55		109496	shoulder sample	MV															
MF17-50	144.10	145.10	1.00		109497	shoulder sample	MV															
MF17-50	155.00	155.30	0.30		109498	geochem	MV															

2017 Mavis_Fairservice
Diamond Drilling

LEGEND

Major	
mv	Mafic Metavolcanics
iv	Intermediate Metavolcanics
fv	Felsic Metavolcanics
prg	Pegmatite
sed	Metasediments
ovbd	Overburden
gab	Metagabbro

Minor lithocode	
4a	Quartz-rich pegmatite, blocky quartz core zone+/-microcline+/-spodumene
4b	Spodumene-rich pegmatite
4c	Microcline-rich pegmatite, blocky microcline+/-quartz+/-spodumene+/-muscovite
4d	Sodic aplite, megacrystic albite (cleavelandite) with quartz-spodumene pegmatite
4e	Albite-quartz-spodumene sodic pegmatite
4f	Albite-quartz-tourmaline pegmatitic veins
mv1	Pillow MV
mv2	Tuff MV
mv3	Massive MV
qv	quartz vein
amph	amphibolite
vclas	volcaniclastic

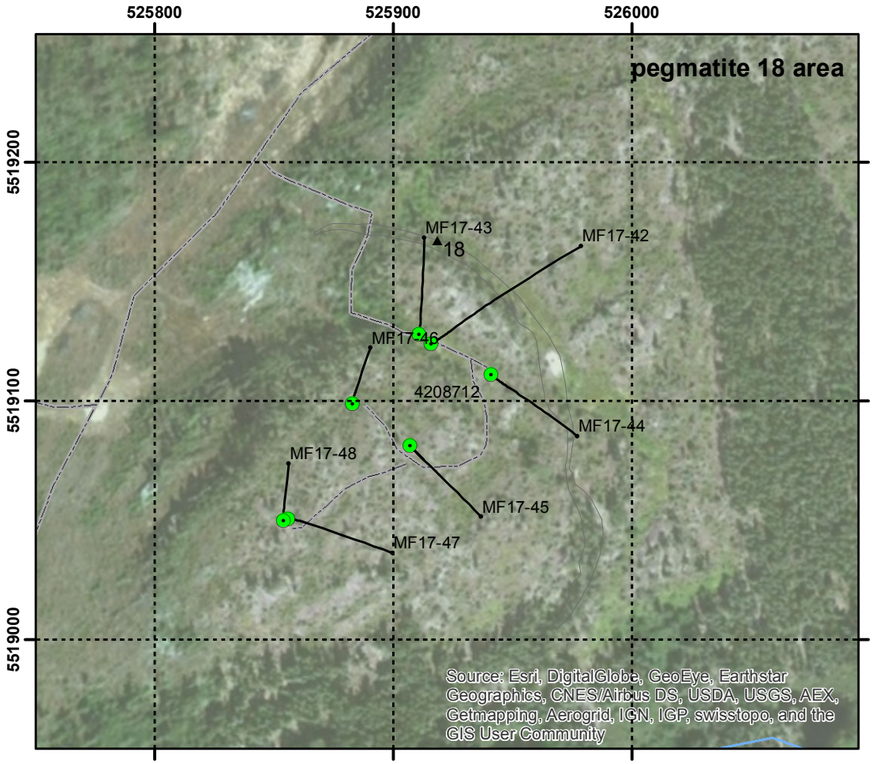
Target_Area
Peg 18
Peg 6.5
Gabbro Peg
Peg 17
Mirrored Peg
Peg 11-12
Peg JWL

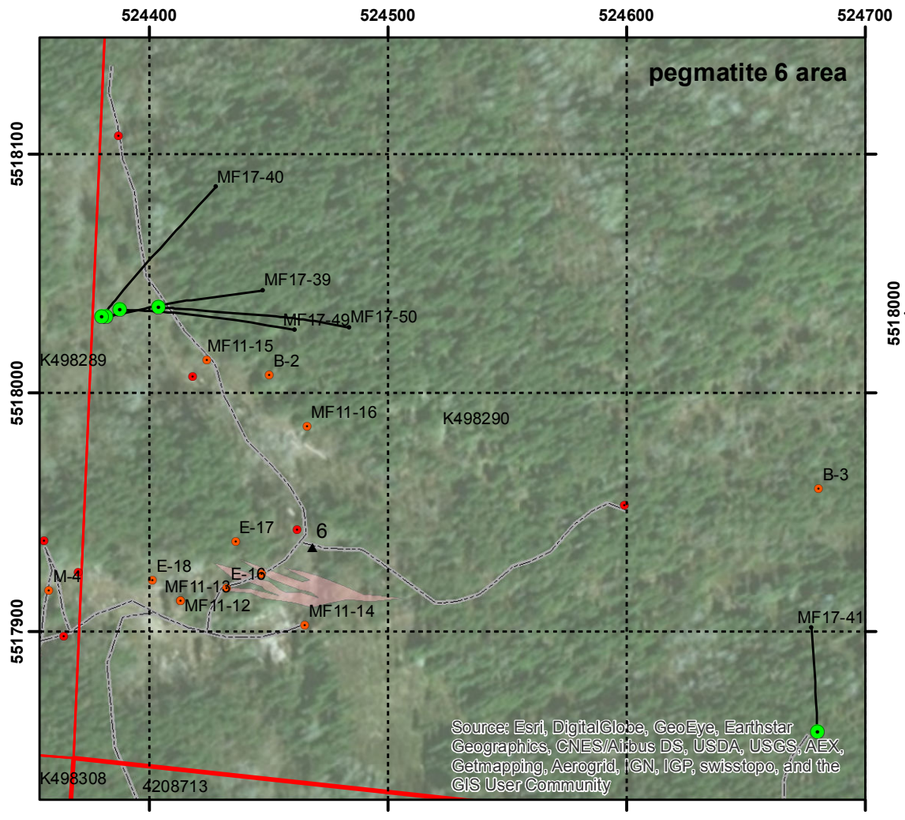
Distribution of Alteration		*Texture*	*Mineral Assemblage**	*Notes*
E1	Envelope (wall rock)	Recrystalization	Biotite	Metasomatism of wall rocks adjacent to pegmatite
E2	Envelope (wall rock)	Recrystalization	Tourmaline	Metasomatism of wall rocks adjacent to pegmatite
E3	Envelope (wall rock)	Recrystalization	Holmquistite	Metasomatism of wall rocks adjacent to pegmatite
M1	Mineral (pegmatite)	Replacement	Albite	Patchy to pervasive albitization of k-feldspar in pegmatite
M2	Mineral (pegmatite)	Replacement	Sericite	Yellow-green sericite replacing spodumene in pegmatite

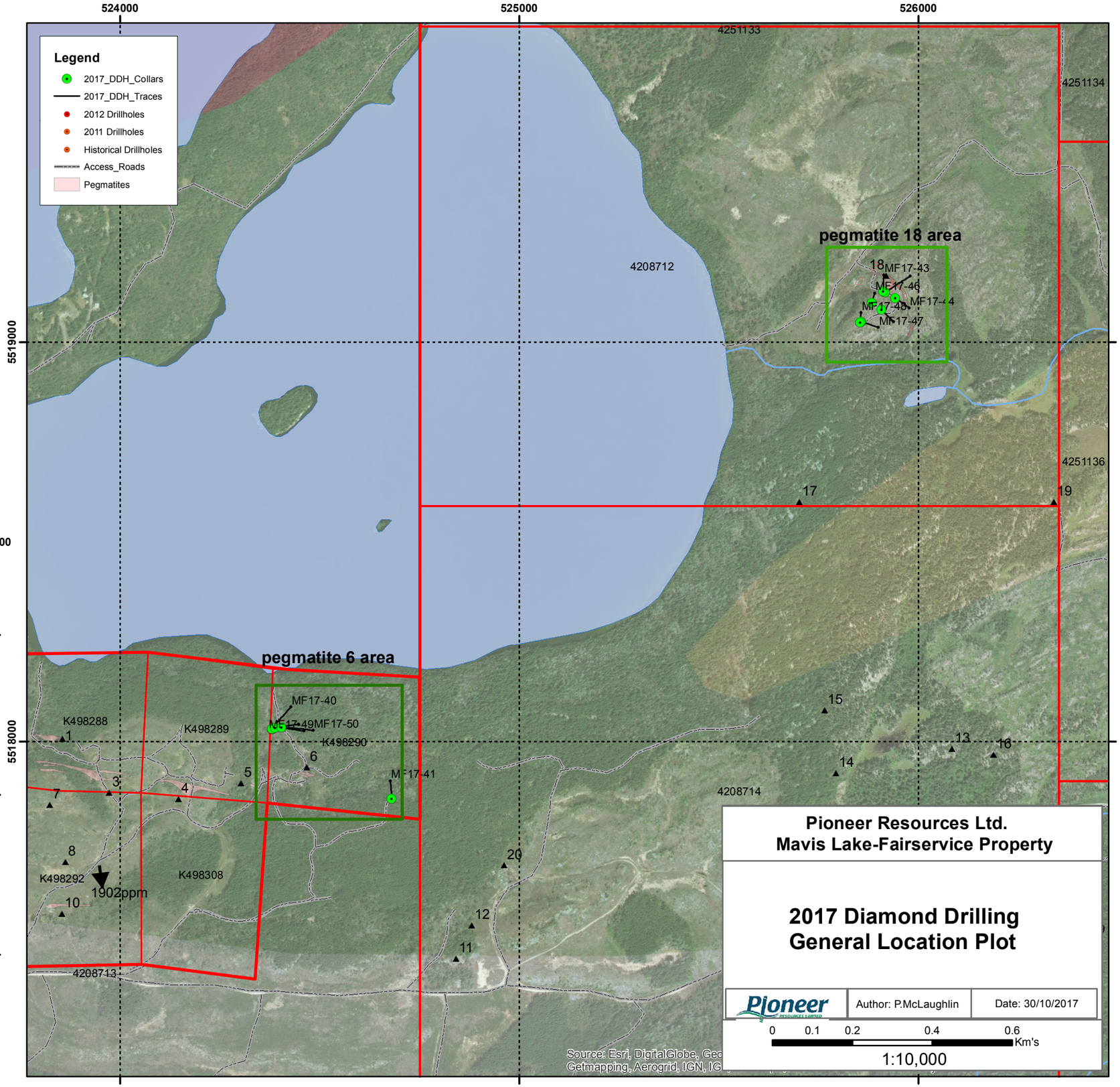
Alteration Intensity		
1	subtle	in trace amounts, localized, patchy or limited distribution on fractures
2	weak	<2 % alteration minerals, possibly pervasive, stronger localized, patchy
3	moderate	2-5 % alteration minerals, weakly pervasive, intense localized, patchy
4	strong	5-30 % alteration minerals, pervasive
5	intense	> 30 % alteration minerals, strongl, nearly totally pervasive

						Initials	
Spd	Spodumene	Ksp	K-feldspar	Py	Pyrite	PM	P.Mclaughlin
Ta/Col	Tantalite-Columbite	Qtz	Quartz	Mcl	Microlite	DM	Duncan Mackay
Tur	Tourmaline	Ab	Albite	Cst	Cassiterite	GS	Greg Sotiropoulos
F-ap	Fluoro-apatite	Ms	Muscovite	Ilm	Ilmenite	MF	Mariana Felipe
Brl	Beryl	Grt	Garnet			JH	John Harrop

APPENDIX V
Diamond Drilling Cross-Sections







Pioneer Resources Ltd.
Mavis Lake-Fairservice Property

2017 Diamond Drilling General Location Plot

Pioneer	Author: P.McLaughlin	Date: 30/10/2017

0 0.1 0.2 0.4 0.6 Km's

1:10,000

524350 524400 524450 524500 524550

5518150 5518100 5518050 5518000 5517950 5517900 5517850 5517800

Line_390E Line_410E Line_430E Line_450E Line_470E

400 410 420 440 440 430

MF-12-25 MF17-49 MF17-50 MF17-40 MF17-39 MF11-15 MF-12-15a MF11-16 MF-12-24 MF-12-26 MF-12-29 MF11-12 MF11-13 MF11-14 MF-12-28 MF11-11

6

30 15 0 30 Meters

Sources: Esri, HERE, DeLorme, Intermap, GeoBase, IGN, Kadaster NL, Ordnance Su MapmyIndia, © OpenStreetMap contributo

Pioneer RESOURCES LIMITED

Cross Section Layout
Pegmatite 006

TOPOGRAPHY

052f15_0100_demw.dem

BAR GRAPHS	L/R	COL	RANGE
Li2O__	R		2
			1
			0.5
			0.25
			0.1
			0.04

N

ROCK CODES Lithcode	PAT	LABEL	DESCRIPTION
		sed	Sediment, undefined
		mv	Mafic Metavolcanic-individed
		peg	Pegmatite-undivided
		ovb	

SECTION SPECS:

REF. PT. E, N	524385 m	5518010 m
EXTENTS	346.8 m	235 m
SECTION TOP, BOT	453.5 m	218.5 m
TOLERANCE +/-	5 m	

SCALE
(m)
-5 0 5 10 15 20 25 30
*unknown

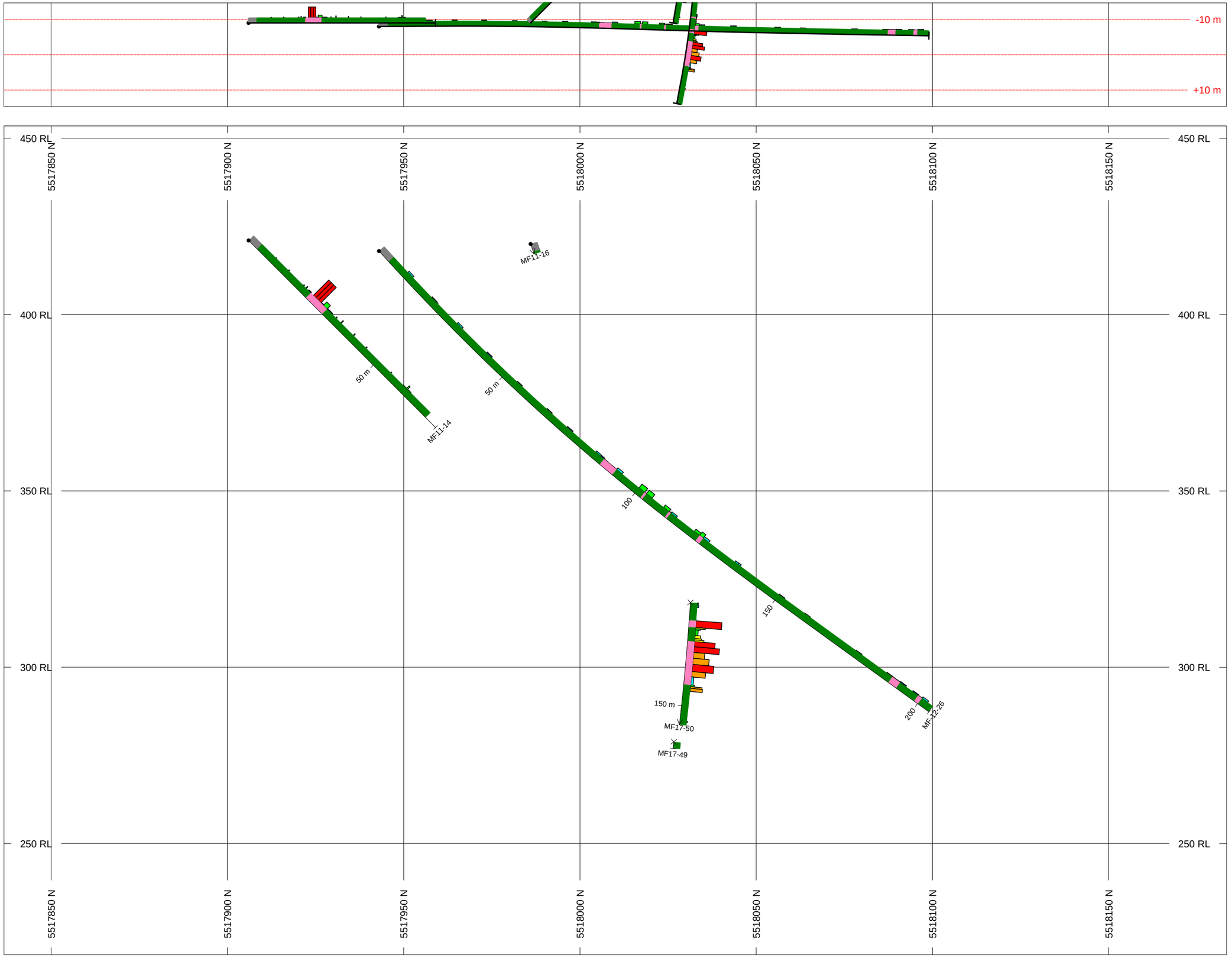
AZIMUTH = 0°
N W E S

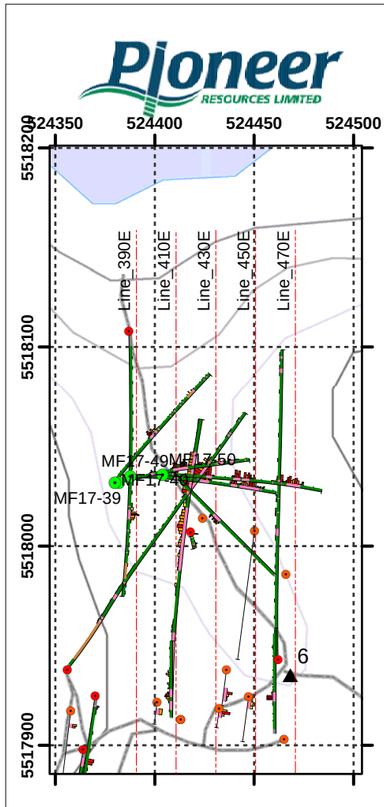
Pioneer Resources Ltd.

Mavis-Fairservice

2017 Diamond Drilling Cross Sections

PEG 006 Area





TOPOGRAPHY

052f15_0100_demw.dem

BAR GRAPHS	L/R	COL	RANGE
Li2O__	R		2
			1
			0.5
			0.25
			0.1
			0.04

ROCK CODES	PAT	LABEL	DESCRIPTION
Lithcode		mv	Mafic Metavolcanic-individed
		peg	Pegmatite-undivided
		ovb	

SECTION SPECS:

REF. PT. E, N	524470 m	5518010 m
EXTENTS	346.8 m	235 m
SECTION TOP, BOT	453.5 m	218.5 m
TOLERANCE +/-	10 m	

SCALE

(m)

-5 0 5 10 15 20 25 30

*unknown

AZIMUTH = 0°

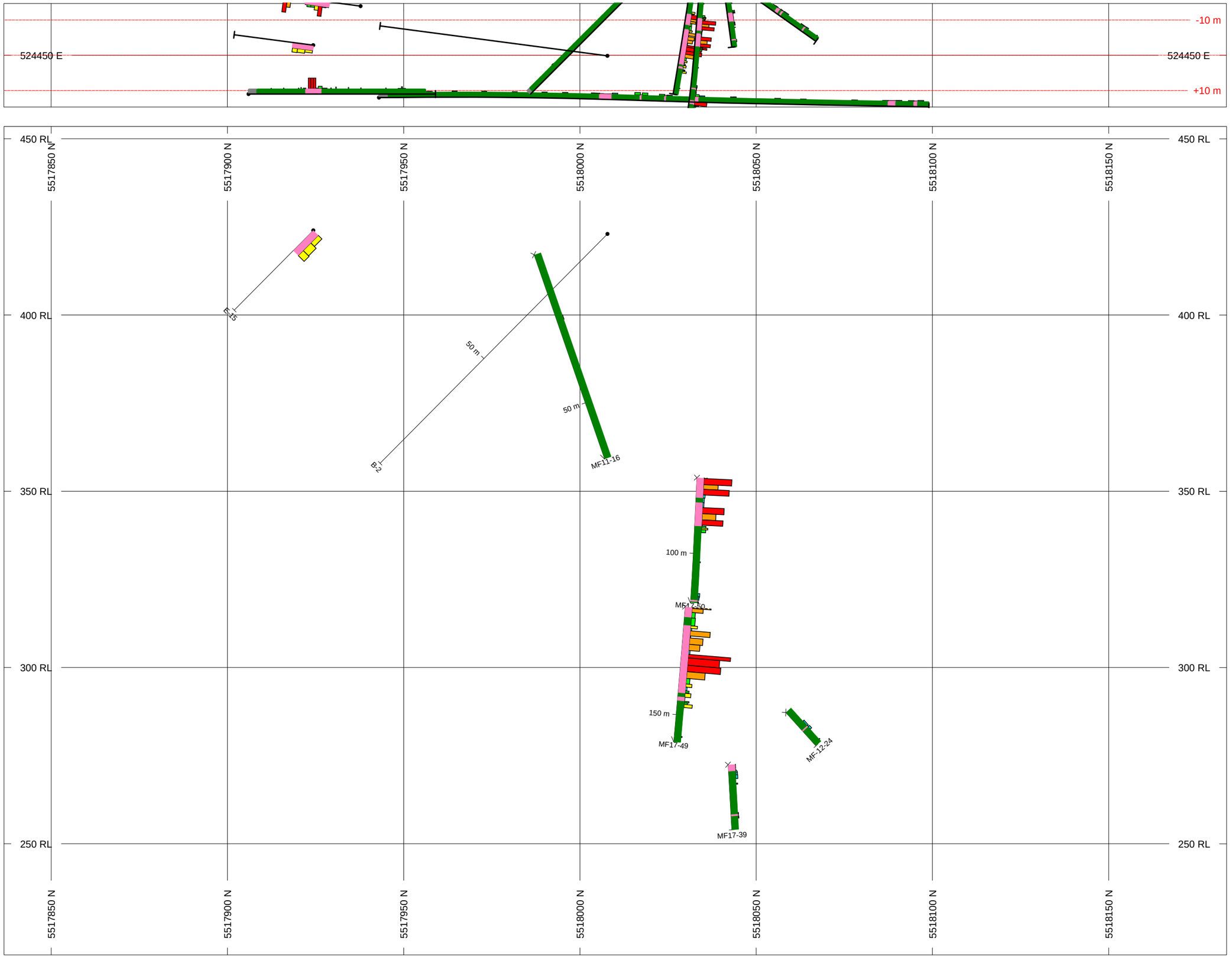
N W E S

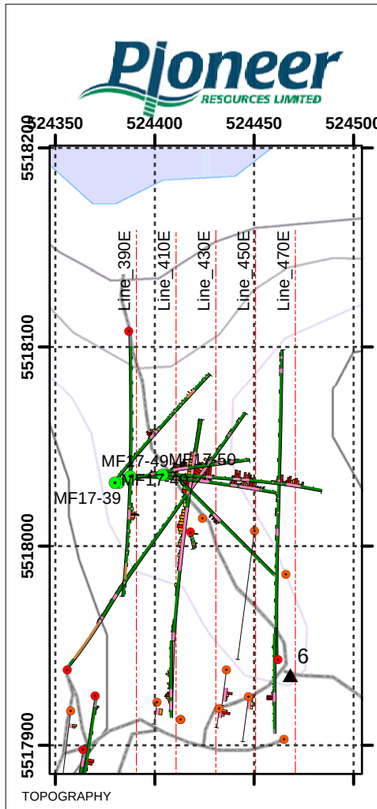
Pioneer Resources Ltd.

Mavis-Fairservice

2017 Diamond Drilling Cross Sections

PEG 006 Area





TOPOGRAPHY

052f15_0100_demw.dem

BAR GRAPHS Li2O__	L/R	COL	RANGE
	R		2
			1
			0.5
			0.25
			0.1
			0.04

ROCK CODES Lithcode	PAT	LABEL	DESCRIPTION
		sed	Sediment, undefined
		mv	Mafic Metavolcanic-individed
		peg	Pegmatite-undivided
		ovb	

SECTION SPECS:

REF. PT. E, N	524450 m	5518010 m
EXTENTS	346.8 m	235 m
SECTION TOP, BOT	453.5 m	218.5 m
TOLERANCE +/-	10 m	

SCALE
(m)
-5 0 5 10 15 20 25 30
*unknown

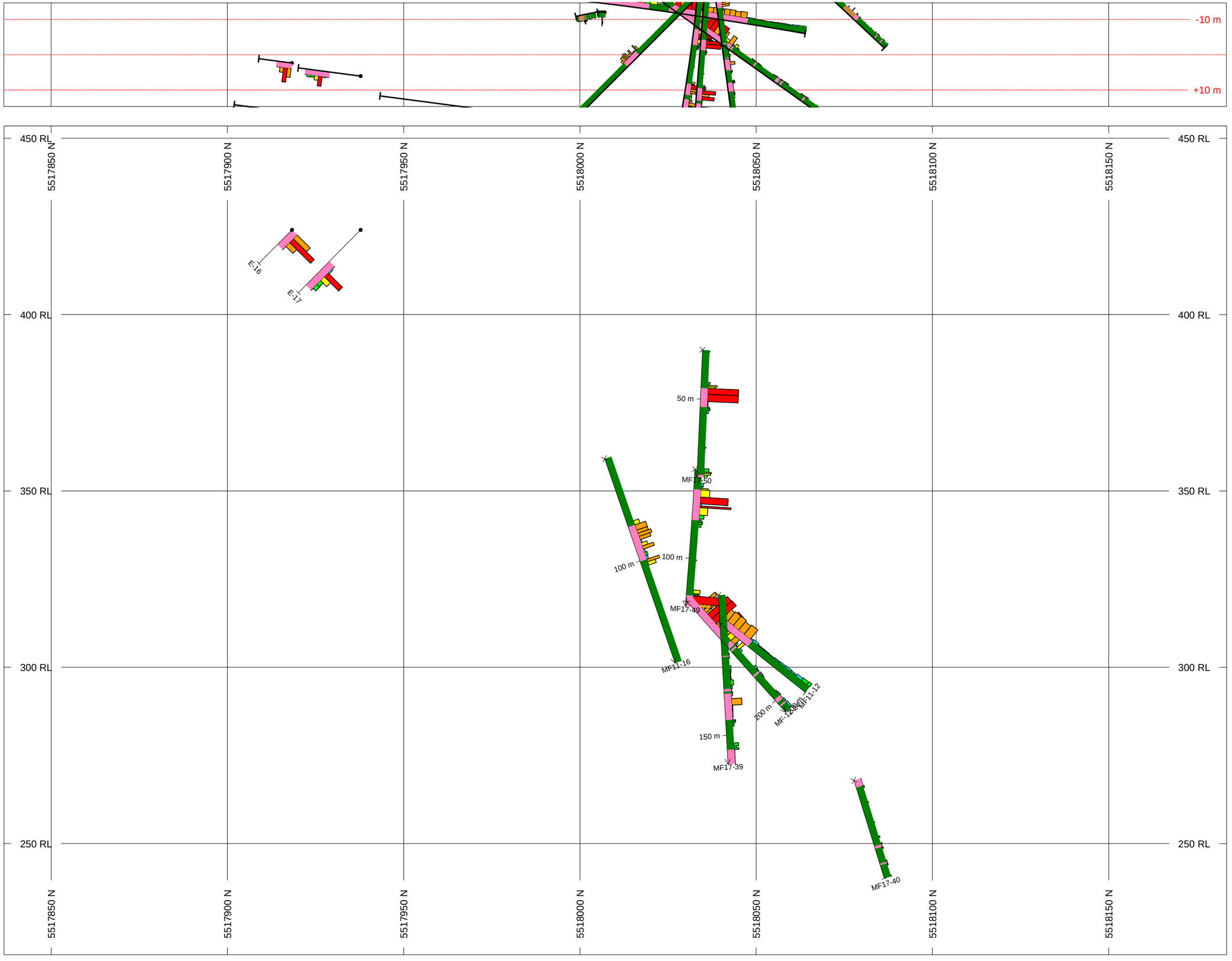
AZIMUTH = 0°
N
W E
S

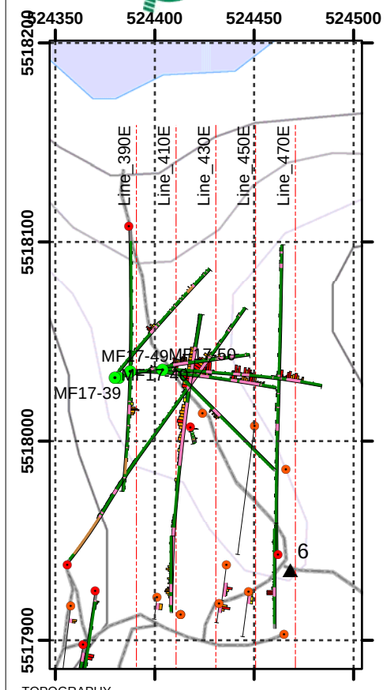
Pioneer Resources Ltd.

Mavis-Fairservice

2017 Diamond Drilling Cross Sections

PEG 006 Area





TOPOGRAPHY

052f15_0100_demw.dem

BAR GRAPHS	L/R	COL	RANGE
Li2O__	R		2
			1
			0.5
			0.25
			0.1
			0.04

ROCK CODES	PAT	LABEL	DESCRIPTION
Lithcode		sed	Sediment, undefined
		mv	Mafic Metavolcanic-individed
		peg	Pegmatite-undivided
		ovb	

SECTION SPECS:

REF. PT. E, N	524430 m	5518010 m
EXTENTS	346.8 m	235 m
SECTION TOP, BOT	453.5 m	218.5 m
TOLERANCE +/-	10 m	

SCALE

(m)

-5 0 5 10 15 20 25 30

*unknown

AZIMUTH = 0°

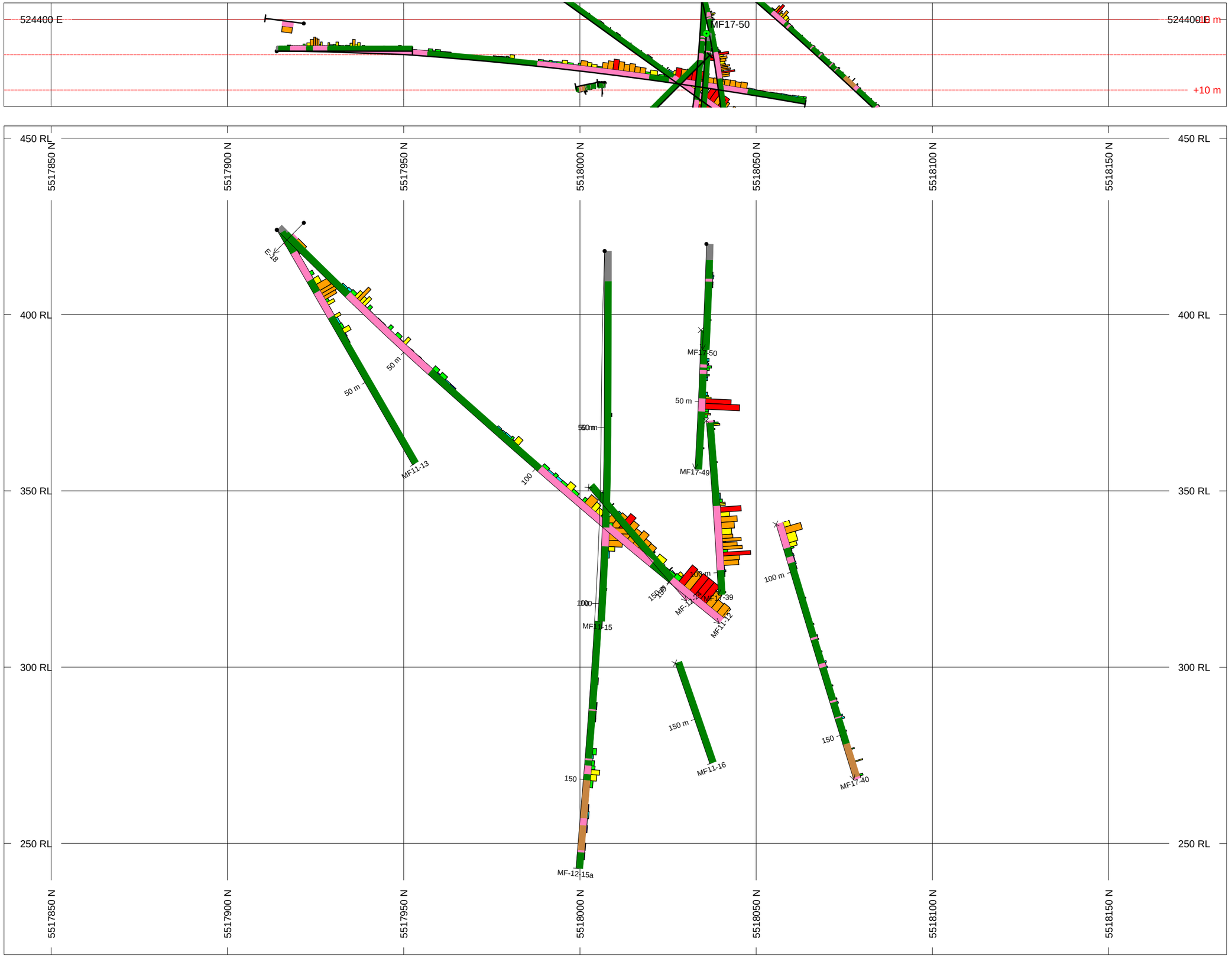
N W E S

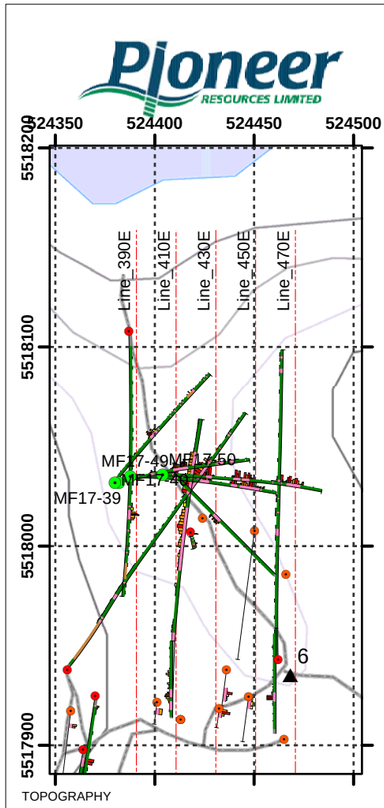
Pioneer Resources Ltd.

Mavis-Fairservice

2017 Diamond Drilling Cross Sections

PEG 006 Area





TOPOGRAPHY

052f15_0100_demw.dem

BAR GRAPHS	L/R	COL	RANGE
Li2O__	R		2
			1
			0.5
			0.25
			0.1
			0.04

ROCK CODES	PAT	LABEL	DESCRIPTION
Lithcode		sed	Sediment, undefined
		mv	Mafic Metavolcanic-individed
		peg	Pegmatite-undivided
		ovb	

SECTION SPECS:

REF. PT. E, N	524410 m	5518010 m
EXTENTS	346.8 m	235 m
SECTION TOP, BOT	453.5 m	218.5 m
TOLERANCE +/-	10 m	

SCALE

(m)

-5 0 5 10 15 20 25 30

*unknown

AZIMUTH = 0°

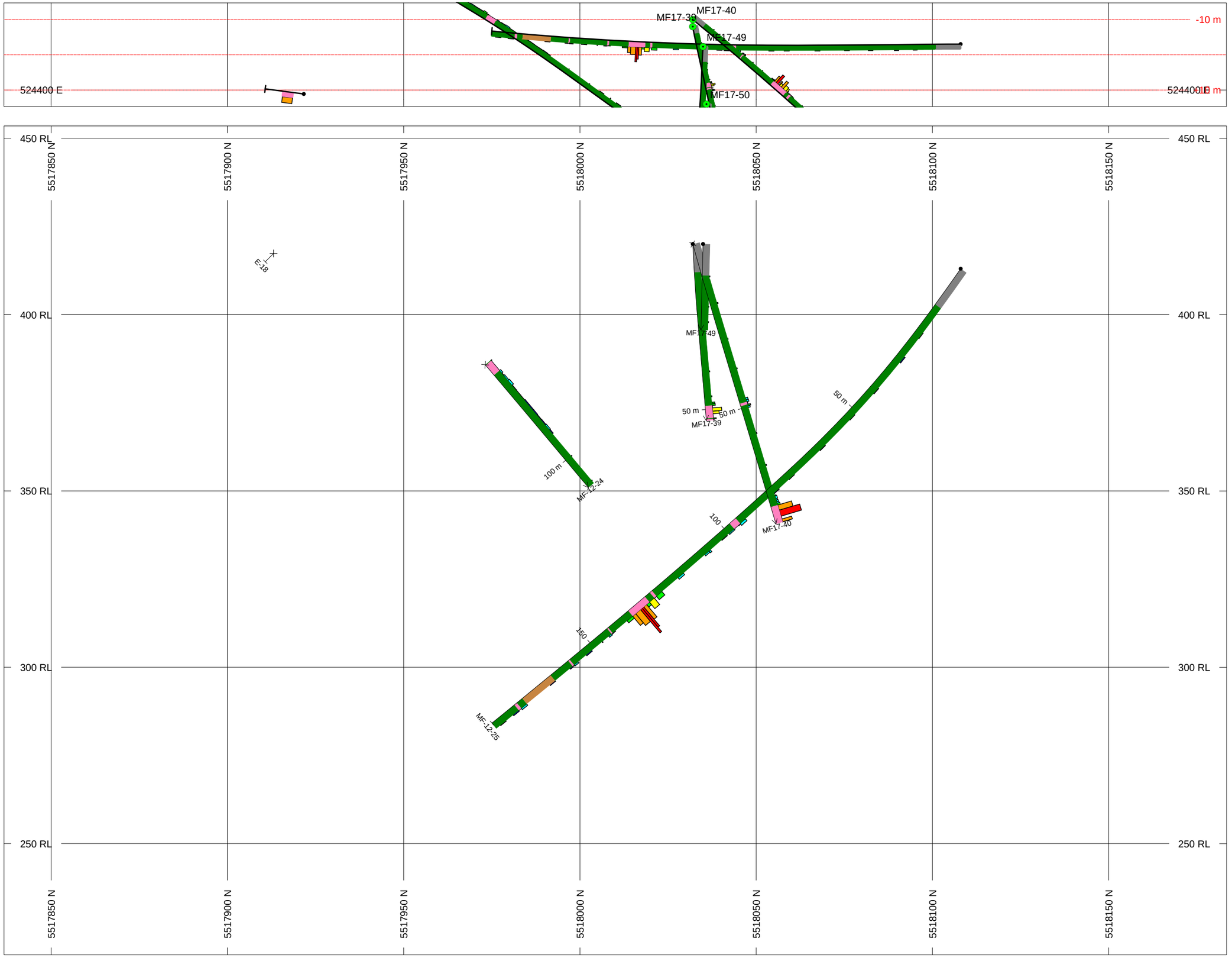
N W E S

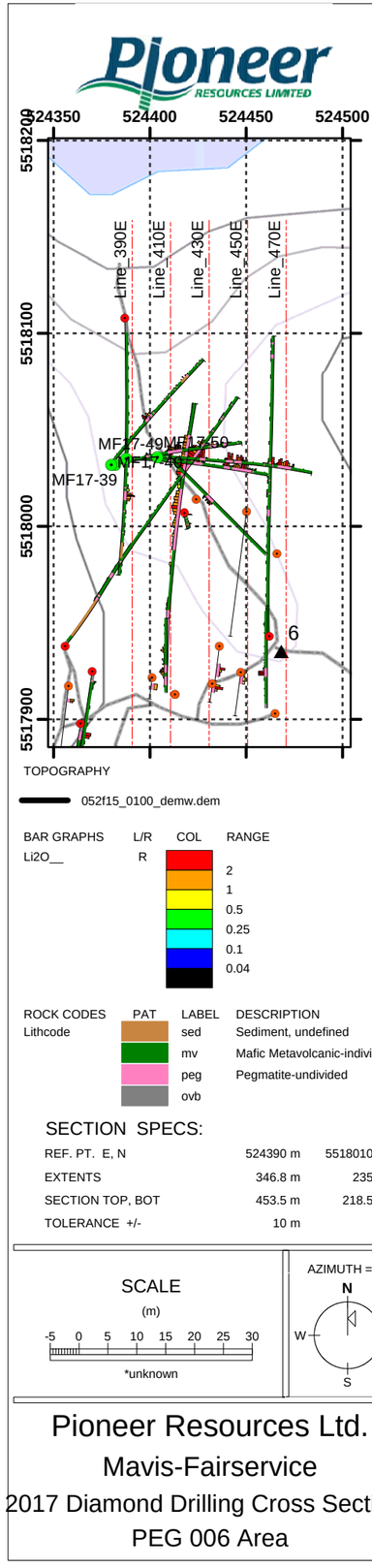
Pioneer Resources Ltd.

Mavis-Fairservice

2017 Diamond Drilling Cross Sections

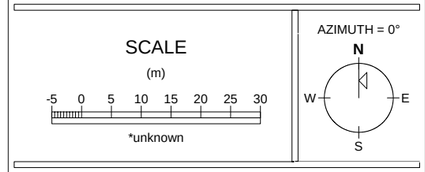
PEG 006 Area





SECTION SPECS:

REF. PT. E, N	524390 m	5518010 m
EXTENTS	346.8 m	235 m
SECTION TOP, BOT	453.5 m	218.5 m
TOLERANCE +/-	10 m	

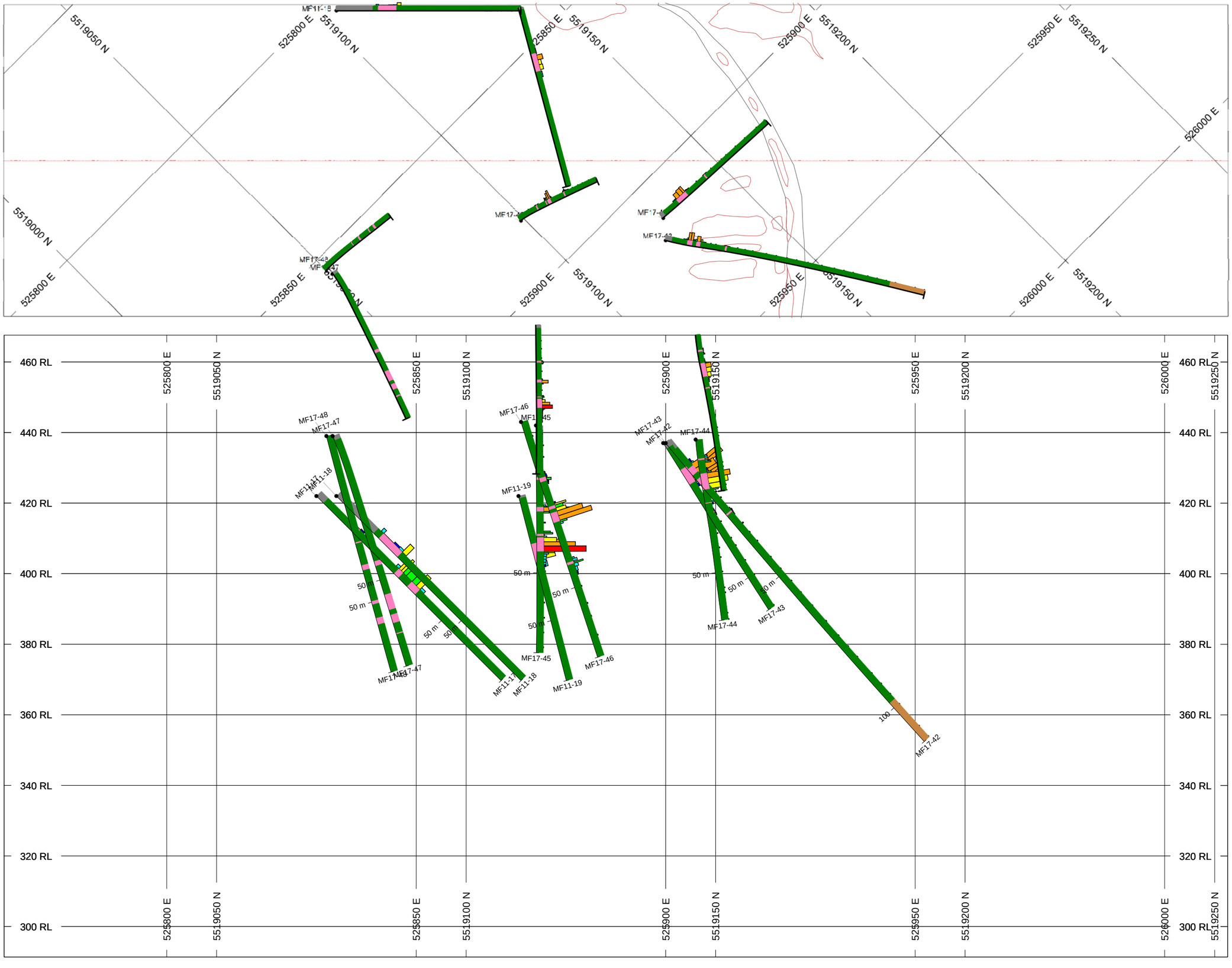


Pioneer Resources Ltd.

Mavis-Fairservice

2017 Diamond Drilling Cross Sections

PEG 006 Area



Pioneer RESOURCES LIMITED

Pegmatite 18

TOPOGRAPHY

052f15_0100_demw.dem

BAR GRAPHS Li2O__	L/R	COL	RANGE
	R		2
			1
			0.5
			0.25
			0.1
			0.04

ROCK CODES Lithcode	PAT	LABEL	DESCRIPTION
		sed	Sediment, undefined
		mv	Mafic Metavolcanic-individed
		peg	Pegmatite-undivided
		ovb	

SECTION SPECS:

REF. PT. E, N	525890 m	5519130 m
EXTENTS	346.8 m	176.3 m
SECTION TOP, BOT	467.6 m	291.4 m
TOLERANCE +/-	100 m	

SCALE (m)

-5 0 5 10 15 20 25 30

*unknown

AZIMUTH = 45°

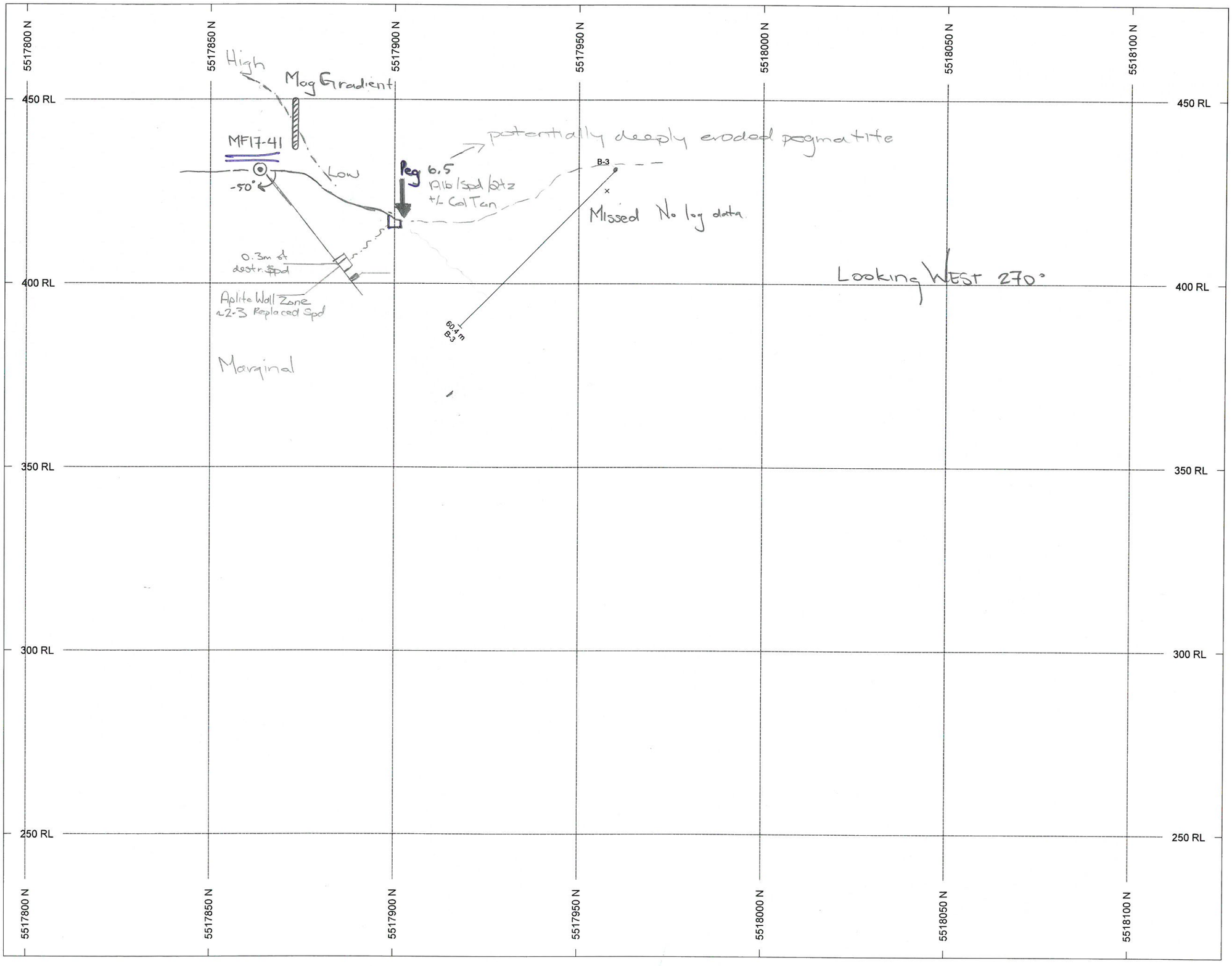
N W E S

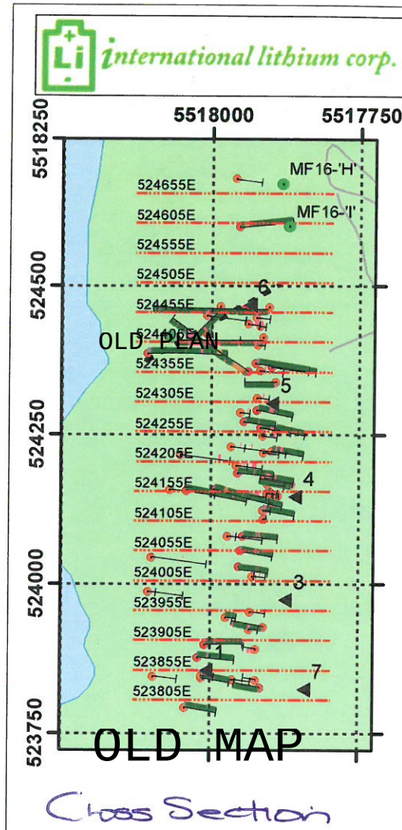
Pioneer Resources Ltd.

Mavis-Fairservice

2017 Diamond Drilling Cross Sections

PEG 006 Area





Cross Section
MF17-41
Peg 6.5 / Peg 24.
Arecan.
Feb. 2017

SECTION SPECS:

REF. PT. E, N	524655 m	5517960 m
EXTENTS	331.8 m	259.4 m
SECTION TOP, BOT	475.9 m	216.5 m
TOLERANCE +/-	25 m	

SCALE
(m)
-5 0 5 10 15 20 25 30
*unknown

AZIMUTH = 0°
N
W E
S

International Lithium Corp.
Mavis Lake-Fairservice Property
2016 Pre Drilling Cross Sections

APPENDIX VI
Diamond Drilling drill core Activation Labs analytical certificates

Quality Analysis ... *Innovative Technologies*

Date Submitted: 09-Mar-17
Invoice No.: A17-02278
Invoice Date: 03-Apr-17
Your Reference: Mavis-Fairservice

Coast Mountain Geological- MF
488-625 Howe Street
Vancouver BC V6C 2T6
Canada

ATTN: Mike Seb

CERTIFICATE OF ANALYSIS

139 Core samples were submitted for analysis.

The following analytical package(s) were requested: Code UT-7 Sodium Peroxide Fusion (ICP & ICPMS)

REPORT **A17-02278**

Notes:

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	Li	Li2O	B	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	Fe	Ga	Gd	Ge
Unit Symbol	%	%	%	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
Lower Limit	0.01	0.01	0.05	0.01	5	10	3	3	2	0.01	2	0.8	0.2	30	0.1	2	0.3	0.1	0.1	0.05	0.2	0.1	0.7
Method Code	FUS-Na2O2	FUS-Na2O2	FUS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
109431				7.86	< 5	< 10	55	< 3	< 2	7.82	< 2	12.1	59.5	40	3.1	110	3.9	2.6	0.9	8.99	18.0	3.6	3.1
109432				8.32	5	< 10	64	< 3	< 2	6.23	< 2	10.9	62.8	50	15.0	152	4.1	2.8	0.9	8.41	17.8	3.8	2.9
109433				8.24	< 5	10	80	11	< 2	5.80	< 2	9.8	64.5	50	74.4	145	4.2	2.7	0.9	8.44	22.3	3.6	2.8
109434				8.11	< 5	440	10	198	8	0.27	< 2	2.8	< 0.2	< 30	26.5	4	< 0.3	< 0.1	< 0.1	0.77	66.6	0.2	3.6
109435				8.07	< 5	50	265	20	< 2	6.05	< 2	112	44.9	80	23.6	49	4.1	2.2	2.3	6.78	24.2	6.8	3.4
109436				8.10	< 5	10	53	< 3	< 2	6.77	< 2	10.8	61.5	40	8.0	108	4.0	2.6	0.9	8.38	18.0	3.6	2.8
109437				8.20	< 5	< 10	53	< 3	< 2	6.77	< 2	12.0	62.4	50	4.4	122	3.9	2.8	0.9	8.83	18.8	3.7	2.6
109438				7.44	< 5	< 10	39	< 3	< 2	8.09	< 2	9.8	58.7	120	2.6	121	3.9	2.7	0.9	9.17	16.7	3.5	2.5
109439				6.34	< 5	< 10	62	< 3	< 2	7.00	< 2	12.0	51.3	< 30	1.8	121	5.1	3.7	0.9	9.02	19.1	4.3	3.4
109440				2.46	< 5	< 10	334	< 3	< 2	26.1	< 2	24.9	3.0	< 30	1.7	4	0.6	0.3	0.4	0.74	5.9	1.1	< 0.7
109441				7.47	< 5	< 10	54	< 3	< 2	5.70	< 2	13.6	52.8	< 30	12.4	123	5.5	4.0	1.1	10.7	19.3	4.6	2.6
109442				7.43	< 5	< 10	69	< 3	< 2	4.62	< 2	14.0	54.1	< 30	54.0	161	5.2	3.8	1.0	10.9	19.4	4.3	2.6
109443				7.17	< 5	< 10	61	5	< 2	5.43	< 2	9.3	56.9	< 30	113	106	4.8	3.4	0.9	10.3	18.2	4.0	2.8
109444	1.42	3.06		9.14	< 5	130	9	61	6	0.24	< 2	< 0.8	0.4	< 30	57.3	4	< 0.3	< 0.1	< 0.1	0.68	83.1	< 0.1	4.6
109445	1.42	3.06		7.91	< 5	20	12	52	2	0.16	< 2	< 0.8	< 0.2	< 30	36.4	< 2	< 0.3	< 0.1	< 0.1	0.63	68.2	< 0.1	4.3
109446				8.50	< 5	30	48	122	< 2	0.19	< 2	2.1	< 0.2	140	58.6	< 2	< 0.3	< 0.1	< 0.1	0.29	58.6	< 0.1	4.8
109447				9.80	< 5	210	7	60	< 2	0.22	< 2	1.2	0.5	< 30	73.5	5	< 0.3	< 0.1	< 0.1	0.39	89.7	< 0.1	3.6
109448				7.11	< 5	30	48	7	< 2	5.67	< 2	8.4	49.7	30	240	101	4.0	2.9	0.7	10.3	15.4	3.1	3.2
109449				7.06	< 5	140	64	< 3	< 2	5.55	< 2	10.6	56.2	80	186	162	4.5	3.3	0.9	10.1	16.7	3.7	2.6
109450				6.96	< 5	< 10	33	< 3	< 2	4.99	< 2	6.6	53.9	< 30	12.8	122	4.3	3.7	0.6	11.0	14.8	3.0	3.5
109451				6.76	< 5	< 10	60	< 3	< 2	5.04	< 2	19.9	59.6	< 30	3.9	246	6.2	4.2	1.4	12.4	18.2	5.7	2.2
109452				6.97	< 5	80	96	< 3	< 2	5.07	< 2	18.4	49.0	< 30	45.6	216	5.2	4.1	1.0	11.4	15.8	4.4	2.6
109453				6.68	< 5	20	37	< 3	< 2	4.43	< 2	17.5	44.4	< 30	21.8	195	5.2	4.2	1.0	11.0	15.6	4.3	2.9
109454				7.27	< 5	270	146	4	< 2	4.87	< 2	16.5	51.8	< 30	142	179	5.5	4.4	1.0	12.8	17.6	4.6	3.4
109455				8.65	< 5	90	13	157	4	0.30	< 2	1.3	< 0.2	< 30	86.1	< 2	< 0.3	< 0.1	< 0.1	0.41	52.8	0.2	5.3
109456	1.29	2.77		8.70	< 5	20	4	139	< 2	0.12	< 2	< 0.8	< 0.2	< 30	63.2	< 2	< 0.3	< 0.1	< 0.1	0.62	67.5	< 0.1	4.2
109457				7.97	10	10	6	91	< 2	0.22	< 2	< 0.8	0.6	< 30	85.0	< 2	< 0.3	< 0.1	< 0.1	0.60	47.7	< 0.1	4.0
109458	1.19	2.57		7.99	< 5	30	25	122	< 2	0.24	< 2	< 0.8	< 0.2	< 30	65.5	< 2	0.4	< 0.1	< 0.1	0.75	63.8	0.4	3.9
109459				8.35	< 5	30	12	109	< 2	0.33	< 2	1.3	< 0.2	< 30	70.7	< 2	< 0.3	< 0.1	< 0.1	0.43	52.1	0.2	3.3
109460				0.05	< 5	< 10	6	< 3	< 2	37.6	< 2	< 0.8	< 0.2	< 30	0.2	< 2	< 0.3	< 0.1	< 0.1	< 0.05	< 0.2	< 0.1	< 0.7
109461			1.04	8.58	< 5	> 10000	21	42	< 2	2.94	< 2	7.4	18.0	< 30	91.0	8	2.6	2.2	0.5	4.74	54.6	2.0	3.7
109462				6.60	< 5	340	10	256	< 2	0.41	< 2	1.1	0.4	< 30	68.9	< 2	< 0.3	< 0.1	< 0.1	0.60	62.5	0.3	4.1
109463				7.97	< 5	70	4	117	< 2	0.17	< 2	< 0.8	< 0.2	< 30	71.7	< 2	< 0.3	< 0.1	< 0.1	0.54	54.9	< 0.1	4.2
109464				7.88	< 5	50	4	95	< 2	0.15	< 2	< 0.8	< 0.2	< 30	61.1	< 2	< 0.3	< 0.1	< 0.1	0.67	61.1	< 0.1	3.6
109465				8.28	< 5	30	51	126	< 2	0.18	< 2	< 0.8	< 0.2	140	58.5	< 2	< 0.3	< 0.1	< 0.1	0.29	58.2	< 0.1	4.3
109466	0.97	2.10		8.31	< 5	30	4	98	< 2	0.16	< 2	< 0.8	< 0.2	< 30	66.7	< 2	< 0.3	< 0.1	< 0.1	0.66	61.0	< 0.1	4.4
109467				8.22	< 5	60	7	122	11	0.32	< 2	0.8	< 0.2	< 30	44.8	< 2	< 0.3	< 0.1	< 0.1	0.33	58.0	0.2	5.2
109468				7.34	< 5	1730	164	63	< 2	4.92	< 2	16.1	41.1	< 30	389	113	4.7	3.8	0.9	10.4	24.0	3.8	4.3
109469				6.97	< 5	1370	227	3	< 2	5.01	< 2	15.8	44.8	< 30	79.0	98	5.4	4.3	1.0	11.7	16.4	4.4	3.7
109470				7.16	< 5	1660	185	13	< 2	4.74	< 2	17.9	46.2	< 30	360	130	5.4	4.5	1.1	11.9	15.9	4.6	4.0
109471				5.80	< 5	40	98	< 3	< 2	5.99	< 2	44.1	18.2	< 30	2.5	55	12.0	7.2	3.1	14.6	26.6	13.0	3.5

Analyte Symbol	Li	Li2O	B	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	Fe	Ga	Gd	Ge
Unit Symbol	%	%	%	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
Lower Limit	0.01	0.01	0.05	0.01	5	10	3	3	2	0.01	2	0.8	0.2	30	0.1	2	0.3	0.1	0.1	0.05	0.2	0.1	0.7
Method Code	FUS-Na2O2	FUS-Na2O2	FUS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
109472				6.00	< 5	40	77	7	< 2	5.61	< 2	44.4	19.0	< 30	88.3	109	12.6	7.6	3.1	14.6	27.6	13.8	4.8
109473				7.49	< 5	1710	93	40	< 2	3.65	< 2	17.8	7.8	< 30	337	43	5.5	3.3	1.3	6.05	42.0	5.7	5.0
109474				5.62	< 5	70	97	13	< 2	6.12	< 2	42.4	18.5	< 30	118	150	11.9	7.3	2.9	13.8	26.6	12.7	3.9
109475				8.51	< 5	200	9	12	< 2	0.55	< 2	1.7	< 0.2	< 30	14.8	4	0.3	0.2	0.1	0.53	43.5	0.4	5.5
109476				5.98	< 5	150	37	6	< 2	6.54	< 2	44.1	18.2	< 30	101	91	12.2	7.4	3.0	13.5	30.2	13.4	3.4
109477				5.67	< 5	10	37	< 3	< 2	7.05	< 2	43.7	18.1	< 30	2.0	74	12.6	7.4	3.1	13.5	27.3	13.5	3.2
109478				5.86	< 5	70	54	7	< 2	6.47	< 2	43.5	17.6	< 30	22.7	79	12.7	7.3	3.0	13.0	28.6	13.7	3.6
109479	1.19	2.57		8.48	< 5	140	7	127	< 2	0.25	< 2	< 0.8	< 0.2	< 30	56.5	< 2	< 0.3	< 0.1	< 0.1	0.65	72.9	< 0.1	4.2
109480				0.08	< 5	< 10	4	< 3	< 2	34.7	< 2	< 0.8	< 0.2	< 30	0.2	< 2	< 0.3	< 0.1	< 0.1	< 0.05	< 0.2	< 0.1	< 0.7
109481				7.21	< 5	490	38	15	< 2	6.36	< 2	15.3	51.3	60	323	109	4.7	2.9	1.2	11.7	23.5	4.7	3.3
109482				7.25	< 5	210	42	< 3	< 2	6.90	< 2	15.9	53.5	60	3.4	120	4.9	2.9	1.3	12.2	23.5	4.9	2.5
109483				7.53	< 5	50	52	< 3	< 2	7.21	< 2	14.4	50.9	50	0.6	118	4.5	2.8	1.2	12.5	20.8	4.6	2.5
109484				7.36	< 5	150	58	3	< 2	7.84	< 2	16.3	52.8	60	4.9	128	4.9	3.0	1.3	12.3	22.9	5.0	2.6
109485				7.38	< 5	120	30	< 3	< 2	7.39	< 2	16.3	52.4	60	5.9	122	4.9	3.0	1.3	12.4	22.7	4.9	3.2
109486				7.33	< 5	440	29	4	< 2	6.94	< 2	15.6	52.6	60	116	140	5.0	3.0	1.3	12.8	22.3	5.0	3.0
109487				8.93	< 5	60	4	126	2	0.22	< 2	< 0.8	0.5	< 30	107	< 2	< 0.3	< 0.1	< 0.1	0.68	61.7	< 0.1	5.0
109488				8.62	< 5	40	45	122	< 2	0.16	< 2	< 0.8	< 0.2	130	56.4	< 2	< 0.3	< 0.1	< 0.1	0.30	56.5	< 0.1	4.5
109489	1.17	2.51		8.59	< 5	30	< 3	171	< 2	0.10	< 2	< 0.8	< 0.2	< 30	87.2	< 2	< 0.3	< 0.1	< 0.1	0.58	62.4	< 0.1	4.5
109490				8.31	< 5	30	< 3	108	2	0.17	< 2	< 0.8	< 0.2	< 30	65.6	< 2	< 0.3	< 0.1	< 0.1	0.44	56.0	0.1	4.3
109491				8.43	< 5	30	< 3	75	< 2	0.12	< 2	< 0.8	< 0.2	< 30	208	< 2	< 0.3	< 0.1	< 0.1	0.49	44.4	< 0.1	3.6
109492				8.05	< 5	30	< 3	75	8	0.09	< 2	< 0.8	< 0.2	< 30	95.0	7	< 0.3	< 0.1	< 0.1	0.63	52.5	< 0.1	4.1
109493				7.65	< 5	30	4	100	5	0.10	< 2	< 0.8	< 0.2	< 30	174	< 2	< 0.3	< 0.1	< 0.1	0.47	46.8	< 0.1	4.0
109494				8.33	< 5	50	7	268	13	0.27	< 2	0.9	< 0.2	< 30	58.2	< 2	< 0.3	< 0.1	< 0.1	0.41	54.6	< 0.1	4.4
109495				6.82	< 5	180	122	7	< 2	4.92	< 2	21.0	43.2	< 30	705	89	6.3	4.1	1.4	11.7	21.8	6.1	3.4
109496				6.61	< 5	100	31	< 3	< 2	4.43	< 2	26.6	40.6	< 30	183	136	7.5	5.5	1.4	12.3	20.9	6.6	2.6
109497				6.84	< 5	100	32	< 3	< 2	4.58	< 2	25.6	41.8	< 30	44.5	134	7.7	5.6	1.5	12.6	21.3	6.8	3.0
109498				7.98	< 5	< 10	832	< 3	< 2	6.17	< 2	247	34.3	60	26.0	107	6.1	2.9	4.4	8.19	21.1	12.3	3.0
108451				6.93	< 5	< 10	90	< 3	< 2	5.95	< 2	25.4	40.1	< 30	2.7	69	7.2	4.6	1.8	13.7	23.1	7.2	3.1
108452				6.92	< 5	< 10	264	< 3	< 2	6.25	< 2	24.3	37.8	< 30	1.9	45	7.0	4.8	1.8	12.9	23.1	7.1	3.2
108453				7.73	< 5	< 10	20	< 3	< 2	6.63	< 2	10.4	52.6	130	2.1	107	3.9	2.6	0.9	10.7	17.1	3.5	2.8
108454				8.32	< 5	40	45	129	< 2	0.12	< 2	1.1	0.3	140	56.0	4	< 0.3	< 0.1	< 0.1	0.27	56.8	< 0.1	4.8
108455				7.57	< 5	< 10	49	< 3	< 2	6.39	< 2	14.2	59.5	80	0.4	110	4.4	2.7	1.2	11.7	22.1	4.5	3.1
108456				8.12	< 5	30	43	< 3	< 2	6.62	< 2	14.3	64.3	120	5.4	91	4.4	2.7	1.2	12.3	23.2	4.5	3.1
108457				7.92	< 5	< 10	22	< 3	< 2	6.44	< 2	13.2	59.4	100	0.2	120	3.9	2.4	1.1	11.5	22.1	4.0	3.3
108458				6.40	< 5	< 10	119	< 3	< 2	5.83	< 2	13.8	50.5	< 30	4.2	98	4.5	2.8	1.2	11.8	21.2	4.6	3.5
108459				7.74	< 5	< 10	32	< 3	< 2	8.57	< 2	8.4	50.1	190	0.7	116	3.3	2.2	0.7	8.87	16.1	2.8	2.8
108460				7.67	< 5	< 10	34	< 3	< 2	8.36	< 2	8.8	49.3	170	0.9	90	3.4	2.3	0.8	9.01	15.9	3.0	2.8
108461				7.84	< 5	< 10	29	< 3	< 2	8.08	< 2	9.1	49.3	170	14.6	101	3.5	2.3	0.8	8.62	16.3	3.1	2.8
108462				8.46	< 5	170	29	148	< 2	0.41	< 2	0.9	0.7	< 30	48.7	5	< 0.3	< 0.1	< 0.1	0.34	51.3	0.1	5.7
108463				8.32	< 5	30	45	128	< 2	0.14	< 2	< 0.8	< 0.2	140	55.8	3	< 0.3	< 0.1	< 0.1	0.26	56.1	< 0.1	4.5
108464				8.24	< 5	180	25	288	< 2	0.10	< 2	1.1	< 0.2	< 30	143	7	< 0.3	< 0.1	< 0.1	0.49	67.0	< 0.1	5.3

Analyte Symbol	Li	Li2O	B	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	Fe	Ga	Gd	Ge
Unit Symbol	%	%	%	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
Lower Limit	0.01	0.01	0.05	0.01	5	10	3	3	2	0.01	2	0.8	0.2	30	0.1	2	0.3	0.1	0.1	0.05	0.2	0.1	0.7
Method Code	FUS-Na2O2	FUS-Na2O2	FUS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
108465				8.29	< 5	930	6	337	< 2	0.44	< 2	1.6	< 0.2	< 30	39.5	< 2	< 0.3	< 0.1	< 0.1	0.36	63.9	< 0.1	6.8
108466				7.78	< 5	20	21	< 3	< 2	8.82	< 2	9.3	49.2	170	9.4	116	3.5	2.3	0.8	8.61	16.3	3.1	2.6
108467				7.62	< 5	10	27	< 3	< 2	8.85	< 2	8.7	50.7	170	2.5	104	3.4	2.3	0.7	8.87	14.4	3.1	2.4
108468				7.75	< 5	30	24	< 3	< 2	8.51	< 2	9.1	50.4	170	0.9	104	3.4	2.2	0.8	8.52	15.8	3.1	2.6
108469				7.63	< 5	10	51	< 3	< 2	7.78	< 2	8.4	49.6	170	24.0	117	3.4	2.3	0.7	8.82	16.7	3.1	2.6
108470				7.48	< 5	10	23	< 3	< 2	8.91	< 2	10.3	49.2	170	1.5	96	3.5	2.3	0.8	8.72	15.1	3.2	2.7
108471				7.79	< 5	10	25	7	< 2	8.59	< 2	8.7	48.1	180	76.9	85	3.5	2.4	0.7	9.10	19.7	2.9	3.0
108472				7.44	< 5	630	47	245	14	0.44	< 2	1.3	0.3	< 30	70.1	< 2	< 0.3	< 0.1	< 0.1	0.52	52.9	0.2	4.3
108473				8.47	< 5	40	35	329	17	0.41	< 2	2.5	0.8	< 30	49.7	3	< 0.3	< 0.1	0.2	0.24	46.5	0.5	3.5
108474				7.80	< 5	450	16	429	20	0.11	< 2	< 0.8	< 0.2	< 30	109	< 2	< 0.3	< 0.1	< 0.1	0.63	68.5	< 0.1	4.6
108475				7.91	< 5	760	36	344	44	0.40	< 2	1.4	0.4	< 30	108	< 2	< 0.3	< 0.1	< 0.1	0.76	63.4	0.2	4.6
108476				0.06	< 5	< 10	4	< 3	< 2	37.3	< 2	< 0.8	< 0.2	< 30	0.3	< 2	< 0.3	< 0.1	< 0.1	< 0.05	0.4	< 0.1	< 0.7
108477				7.48	< 5	890	49	20	< 2	7.07	< 2	10.3	44.0	130	65.1	93	3.7	2.6	0.9	9.60	19.7	3.5	3.4
108478				7.57	< 5	850	31	404	14	0.13	< 2	0.9	< 0.2	< 30	87.3	< 2	< 0.3	< 0.1	< 0.1	0.46	60.9	< 0.1	4.3
108479				7.99	< 5	480	46	309	14	0.18	< 2	1.1	< 0.2	< 30	118	< 2	< 0.3	< 0.1	< 0.1	0.34	50.8	< 0.1	5.4
108480				8.45	< 5	60	47	135	< 2	0.10	< 2	< 0.8	< 0.2	120	59.5	< 2	< 0.3	< 0.1	< 0.1	0.26	58.6	< 0.1	4.8
108481				7.53	< 5	20	46	< 3	< 2	6.83	< 2	16.0	52.8	40	15.2	121	5.4	3.4	1.5	12.2	24.1	5.6	3.8
108482				7.47	< 5	50	35	< 3	< 2	6.68	< 2	18.6	51.7	40	4.1	143	5.7	3.7	1.7	13.1	24.2	6.1	3.8
108483				7.22	< 5	10	92	< 3	< 2	6.29	< 2	16.8	45.3	< 30	6.6	98	5.1	3.3	1.5	11.8	23.2	5.5	4.7
108484				7.32	20	10	42	< 3	< 2	5.99	< 2	14.7	49.8	80	9.5	119	5.4	3.3	1.4	12.1	24.5	4.9	8.2
108485				7.49	< 5	220	91	14	< 2	6.49	< 2	17.9	45.0	< 30	208	91	5.8	3.7	1.6	12.2	27.1	6.1	4.9
108486				8.36	< 5	1280	36	190	7	0.62	< 2	1.8	1.9	< 30	80.0	9	< 0.3	< 0.1	< 0.1	0.70	65.0	0.2	5.8
108487				7.32	< 5	10	165	< 3	< 2	6.28	< 2	20.2	45.3	< 30	37.7	139	6.1	3.9	1.6	12.5	24.8	6.4	4.3
108488				7.33	< 5	10	119	< 3	< 2	6.73	< 2	21.3	44.2	< 30	2.5	128	6.3	4.1	1.7	12.8	24.3	6.7	4.4
108489				6.86	< 5	< 10	138	< 3	< 2	6.01	< 2	22.1	42.4	< 30	13.6	92	6.6	4.1	1.8	12.7	24.8	7.2	4.6
108490				7.48	< 5	< 10	13	< 3	< 2	7.88	< 2	9.7	52.5	50	1.5	136	3.7	2.7	0.8	9.80	16.8	3.4	4.3
108491				7.59	41	120	43	< 3	< 2	6.28	< 2	8.4	47.4	180	10.9	81	3.4	2.4	0.7	10.3	17.5	2.8	6.0
108492				7.84	< 5	20	74	< 3	< 2	4.36	< 2	11.3	47.0	120	13.8	58	4.0	2.8	1.0	10.2	18.5	3.8	3.2
108493				7.86	< 5	10	177	< 3	< 2	6.57	< 2	13.4	34.1	110	5.7	< 2	3.6	2.6	0.8	8.59	16.6	3.2	3.3
108494				6.78	7	< 10	72	< 3	< 2	6.02	< 2	27.4	37.4	< 30	< 0.1	55	7.7	5.1	2.0	13.3	24.6	8.2	4.8
108495				6.81	< 5	< 10	101	< 3	< 2	5.88	< 2	27.0	37.4	< 30	0.2	59	7.6	5.1	2.0	13.1	23.8	7.8	5.0
108496				0.04	< 5	< 10	6	< 3	< 2	36.9	< 2	< 0.8	< 0.2	< 30	2.1	< 2	< 0.3	< 0.1	< 0.1	< 0.05	< 0.2	< 0.1	1.0
108497				7.22	< 5	10	142	< 3	< 2	5.94	< 2	30.2	30.2	110	6.6	35	4.6	2.8	1.6	8.12	20.2	5.3	3.5
108498				7.45	< 5	< 10	74	< 3	< 2	5.90	< 2	27.4	34.0	90	9.5	22	5.3	3.4	1.6	9.74	22.8	6.1	4.6
108499				8.56	< 5	460	18	295	20	0.66	< 2	5.4	0.7	< 30	15.9	< 2	< 0.3	< 0.1	0.1	0.64	57.6	0.3	5.6
108500				6.94	< 5	10	57	< 3	< 2	6.09	< 2	23.7	38.3	< 30	3.4	57	7.0	4.7	1.8	13.1	23.8	7.0	5.2
108551				7.12	< 5	< 10	68	< 3	< 2	5.99	< 2	23.6	37.2	< 30	2.4	51	6.9	4.7	1.8	12.5	23.4	7.2	4.9
108552				7.11	< 5	10	62	< 3	< 2	6.27	< 2	23.0	37.4	< 30	3.8	66	6.7	4.5	1.8	13.0	27.5	6.7	4.9
108553				6.98	5	30	73	7	< 2	6.25	< 2	20.6	38.5	< 30	14.6	91	6.8	4.6	1.9	12.9	23.1	7.0	4.8
108554				7.53	< 5	580	34	213	27	0.26	< 2	1.0	< 0.2	< 30	95.1	< 2	< 0.3	< 0.1	< 0.1	0.48	49.3	< 0.1	6.2
108555				8.84	6	50	46	124	< 2	0.18	< 2	< 0.8	< 0.2	120	57.0	< 2	< 0.3	< 0.1	< 0.1	0.28	58.8	< 0.1	5.6

Analyte Symbol	Li	Li2O	B	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	Fe	Ga	Gd	Ge
Unit Symbol	%	%	%	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
Lower Limit	0.01	0.01	0.05	0.01	5	10	3	3	2	0.01	2	0.8	0.2	30	0.1	2	0.3	0.1	0.1	0.05	0.2	0.1	0.7
Method Code	FUS-Na2O2	FUS-Na2O2	FUS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
108556				7.24	6	40	72	7	< 2	6.10	< 2	27.1	32.3	60	4.3	2	5.4	3.6	1.7	10.3	23.3	5.9	5.3
108557				7.02	< 5	20	59	< 3	< 2	6.22	< 2	24.7	37.3	< 30	2.5	45	6.8	4.4	1.7	12.6	23.5	7.2	5.7
108558				6.88	7	10	56	< 3	< 2	5.86	< 2	21.5	38.1	< 30	1.5	45	6.8	4.7	1.8	13.0	24.4	7.0	5.3
108559				6.91	5	20	60	< 3	< 2	6.05	< 2	23.4	39.2	< 30	4.0	39	6.7	4.5	1.8	13.3	23.1	6.9	5.3
108560				6.79	< 5	< 10	49	< 3	< 2	6.38	< 2	21.8	34.8	< 30	2.3	8	6.6	4.4	1.8	12.2	21.8	6.7	4.9
108561				6.96	< 5	< 10	36	4	< 2	6.59	< 2	20.8	37.1	< 30	5.3	19	6.7	4.6	1.7	12.1	23.8	6.8	5.1
108562				8.18	< 5	910	68	217	31	0.78	< 2	3.0	2.9	< 30	35.8	< 2	0.5	0.4	0.2	1.48	68.4	0.5	6.3
108563				4.22	< 5	80	63	7	< 2	3.80	< 2	14.9	25.7	< 30	15.4	80	4.1	2.8	1.1	8.16	15.5	4.2	3.1
108564				6.97	< 5	20	92	< 3	< 2	5.76	< 2	21.5	40.5	< 30	14.4	71	6.8	4.5	1.7	12.9	23.3	6.8	4.2
108565				6.73	< 5	10	175	< 3	< 2	5.56	< 2	23.5	42.4	< 30	20.7	58	6.9	4.6	1.8	13.2	22.6	6.9	4.2
108566				6.85	< 5	10	130	3	< 2	5.84	< 2	21.0	42.4	< 30	32.3	49	7.0	4.8	1.8	13.4	24.8	7.0	4.5
108567				8.30	< 5	690	101	297	88	0.43	< 2	2.2	< 0.2	< 30	83.3	< 2	< 0.3	< 0.1	< 0.1	0.59	60.3	0.1	5.4
108568				8.56	< 5	50	46	131	< 2	0.15	< 2	< 0.8	< 0.2	110	57.4	< 2	< 0.3	< 0.1	< 0.1	0.26	57.5	< 0.1	5.4
108569				7.11	< 5	20	102	< 3	< 2	6.09	< 2	21.5	37.2	< 30	16.3	62	7.4	5.0	1.8	13.4	27.4	7.2	4.6
108570				7.08	< 5	380	112	3	< 2	5.53	< 2	25.0	36.5	< 30	12.1	62	7.6	5.0	2.0	12.6	24.0	7.7	5.3
108571				6.93	< 5	< 10	44	< 3	< 2	5.93	< 2	23.6	36.7	< 30	6.0	44	7.2	4.8	1.8	12.9	24.4	7.3	4.8

Analyte Symbol	Ho	Hf	In	K	La	Li	Mg	Mn	Mo	Nb	Nd	Ni	Pb	Pr	Rb	S	Sb	Se	Si	Sm	Sn	Sr	Ta
Unit Symbol	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
Lower Limit	0.2	10	0.2	0.1	0.4	3	0.01	3	1	2.4	0.4	10	0.8	0.1	0.4	0.01	2	0.8	0.01	0.1	0.5	3	0.2
Method Code	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
109431	0.8	< 10	< 0.2	0.2	5.0	156	3.43	1590	< 1	< 2.4	8.6	80	< 0.8	1.7	35.5	0.06	< 2	1.8	24.3	2.4	< 0.5	114	< 0.2
109432	0.9	< 10	< 0.2	0.3	4.1	674	3.43	1290	< 1	2.6	7.9	90	< 0.8	1.6	58.6	0.13	< 2	2.3	24.5	2.4	< 0.5	105	< 0.2
109433	0.9	< 10	< 0.2	0.7	3.8	492	3.16	1480	< 1	4.4	7.2	110	12.8	1.5	401	0.14	< 2	3.0	24.1	2.3	16.0	114	1.0
109434	< 0.2	< 10	< 0.2	1.5	0.9	58	0.03	712	22	100.5	2.1	< 10	26.0	0.4	976	0.01	< 2	2.2	> 30.0	0.2	79.4	15	72.7
109435	0.8	< 10	< 0.2	0.6	51.5	362	3.26	1400	< 1	9.6	55.3	110	16.4	13.8	157	0.04	< 2	3.1	25.8	8.5	22.4	321	3.4
109436	0.9	< 10	< 0.2	0.3	4.3	275	3.58	1360	< 1	2.8	7.8	90	< 0.8	1.5	55.7	0.05	3	2.6	24.0	2.4	1.9	105	< 0.2
109437	0.9	< 10	< 0.2	0.2	4.7	295	3.46	1510	< 1	2.8	8.4	90	< 0.8	1.7	33.8	0.11	< 2	3.6	23.8	2.4	< 0.5	110	< 0.2
109438	0.9	< 10	< 0.2	0.2	3.8	155	3.68	1800	< 1	< 2.4	7.5	80	< 0.8	1.5	17.9	0.09	< 2	4.5	23.5	2.2	0.9	85	< 0.2
109439	1.2	< 10	< 0.2	0.2	4.6	164	3.40	1840	< 1	2.9	9.1	30	< 0.8	1.8	7.1	0.04	3	2.3	17.3	2.6	0.5	135	< 0.2
109440	< 0.2	< 10	< 0.2	0.8	11.3	9	1.46	146	< 1	< 2.4	10.1	< 10	5.5	2.8	28.7	0.08	< 2	2.3	9.37	1.6	< 0.5	2980	< 0.2
109441	1.3	< 10	< 0.2	0.2	5.4	857	3.56	2140	< 1	3.0	9.6	20	< 0.8	1.9	45.5	0.13	< 2	2.6	24.3	2.7	< 0.5	124	< 0.2
109442	1.2	< 10	< 0.2	0.7	5.4	4200	3.88	1970	< 1	3.1	9.7	20	< 0.8	2.0	195	0.34	< 2	3.0	24.5	2.8	< 0.5	63	< 0.2
109443	1.1	< 10	< 0.2	0.8	3.5	3390	4.22	2080	< 1	2.5	6.8	40	1.4	1.4	480	0.15	< 2	2.8	23.7	2.2	5.1	56	< 0.2
109444	< 0.2	< 10	< 0.2	2.0	< 0.4	> 10000	0.05	497	30	88.4	< 0.4	< 10	< 0.8	< 0.1	1310	< 0.01	< 2	1.5	> 30.0	< 0.1	174	12	92.2
109445	< 0.2	< 10	< 0.2	1.8	< 0.4	> 10000	0.02	723	4	46.0	< 0.4	< 10	< 0.8	< 0.1	748	< 0.01	2	1.7	> 30.0	< 0.1	178	10	38.6
109446	< 0.2	< 10	< 0.2	2.4	2.9	7790	0.02	347	6	81.4	1.5	< 10	0.9	0.1	1730	< 0.01	< 2	< 0.8	> 30.0	< 0.1	126	25	125
109447	< 0.2	< 10	< 0.2	2.0	< 0.4	367	0.05	236	2	143.8	0.7	< 10	1.0	0.2	2820	< 0.01	4	< 0.8	> 30.0	< 0.1	157	12	177
109448	0.9	< 10	< 0.2	0.9	3.3	1200	4.46	1970	< 1	< 2.4	6.3	50	< 0.8	1.2	989	0.12	< 2	1.1	23.1	1.9	9.6	43	0.5
109449	1.0	< 10	< 0.2	0.7	4.2	1360	4.43	2090	< 1	2.9	7.3	50	< 0.8	1.5	643	0.21	< 2	2.1	24.5	2.1	0.9	58	0.3
109450	1.1	< 10	< 0.2	0.2	2.6	777	3.82	1890	< 1	< 2.4	5.1	30	< 0.8	1.0	41.9	0.13	< 2	3.0	24.7	1.6	< 0.5	56	< 0.2
109451	1.4	< 10	< 0.2	0.2	7.9	259	2.30	2560	< 1	5.0	14.1	20	< 0.8	2.9	8.8	0.67	< 2	3.6	24.4	4.0	0.6	83	0.3
109452	1.3	< 10	< 0.2	0.5	7.3	2140	2.56	1830	< 1	3.7	11.7	20	< 0.8	2.5	119	0.28	< 2	3.7	25.7	3.0	0.6	103	< 0.2
109453	1.2	< 10	< 0.2	0.5	6.8	3290	2.33	1780	< 1	3.5	11.3	20	< 0.8	2.4	78.4	0.31	< 2	2.1	26.4	2.8	< 0.5	129	< 0.2
109454	1.3	< 10	< 0.2	1.1	6.7	3020	2.91	2190	< 1	3.9	10.9	20	3.5	2.3	414	0.26	< 2	2.6	23.1	3.0	6.0	98	0.5
109455	< 0.2	< 10	< 0.2	4.0	0.5	1480	0.02	400	31	59.4	0.9	< 10	1.3	0.2	3850	< 0.01	< 2	1.9	> 30.0	0.2	86.6	24	84.2
109456	< 0.2	< 10	< 0.2	3.3	< 0.4	> 10000	< 0.01	696	< 1	54.0	< 0.4	< 10	< 0.8	< 0.1	1990	< 0.01	< 2	1.0	> 30.0	< 0.1	183	9	27.7
109457	< 0.2	< 10	< 0.2	4.4	< 0.4	6720	0.01	523	< 1	41.3	< 0.4	50	3.7	< 0.1	3380	0.02	< 2	1.9	> 30.0	< 0.1	145	16	22.4
109458	< 0.2	< 10	< 0.2	2.7	< 0.4	> 10000	< 0.01	1010	< 1	89.1	< 0.4	< 10	< 0.8	< 0.1	1600	< 0.01	< 2	1.7	> 30.0	0.2	233	15	41.2
109459	< 0.2	< 10	< 0.2	3.0	0.6	928	< 0.01	769	< 1	64.9	1.0	< 10	< 0.8	0.2	2720	0.01	< 2	3.0	> 30.0	0.2	252	17	35.8
109460	< 0.2	< 10	< 0.2	< 0.1	< 0.4	< 3	1.72	20	< 1	< 2.4	< 0.4	< 10	< 0.8	< 0.1	2.1	0.13	< 2	3.0	0.19	< 0.1	< 0.5	3940	< 0.2
109461	0.6	< 10	< 0.2	0.4	2.7	638	0.98	1460	< 1	41.4	5.6	< 10	5.0	1.1	628	0.11	4	2.3	27.8	1.5	113	52	91.2
109462	< 0.2	< 10	< 0.2	1.6	0.5	560	0.03	1570	< 1	109.7	0.9	< 10	< 0.8	0.2	1890	< 0.01	< 2	1.4	> 30.0	0.2	258	14	132
109463	< 0.2	< 10	< 0.2	3.7	< 0.4	9970	< 0.01	821	< 1	58.3	< 0.4	< 10	< 0.8	< 0.1	2750	< 0.01	< 2	3.0	> 30.0	< 0.1	550	13	59.2
109464	< 0.2	< 10	< 0.2	2.9	< 0.4	6320	< 0.01	636	5	56.2	< 0.4	< 10	< 0.8	< 0.1	2260	< 0.01	< 2	2.0	> 30.0	< 0.1	362	9	37.9
109465	< 0.2	< 10	< 0.2	2.3	< 0.4	8320	0.02	342	6	90.3	< 0.4	< 10	< 0.8	< 0.1	1690	< 0.01	< 2	2.1	> 30.0	< 0.1	120	23	125
109466	< 0.2	< 10	< 0.2	3.2	< 0.4	> 10000	< 0.01	582	< 1	77.1	< 0.4	< 10	< 0.8	< 0.1	2280	< 0.01	< 2	1.0	> 30.0	< 0.1	251	9	75.9
109467	< 0.2	< 10	< 0.2	1.0	0.4	204	< 0.01	372	< 1	106.9	0.8	< 10	< 0.8	0.1	1170	< 0.01	< 2	1.6	> 30.0	0.2	144	15	160
109468	1.1	< 10	< 0.2	1.6	6.4	1990	2.21	2020	< 1	16.1	10.4	10	3.2	2.2	2320	0.03	< 2	3.1	25.4	2.7	69.1	106	20.2
109469	1.3	< 10	< 0.2	0.6	6.2	2890	2.45	2010	< 1	3.9	10.6	10	< 0.8	2.3	262	0.10	< 2	2.8	25.1	2.8	1.4	144	< 0.2
109470	1.4	< 10	< 0.2	0.8	6.8	1950	2.62	2120	< 1	5.6	11.7	20	< 0.8	2.5	777	0.24	< 2	2.9	24.8	2.9	15.2	87	1.3
109471	2.5	< 10	< 0.2	0.4	16.6	219	0.91	2670	< 1	6.6	34.1	< 10	< 0.8	6.6	16.4	0.13	< 2	2.2	22.4	9.3	1.8	125	0.4

Analyte Symbol	Ho	Hf	In	K	La	Li	Mg	Mn	Mo	Nb	Nd	Ni	Pb	Pr	Rb	S	Sb	Se	Si	Sm	Sn	Sr	Ta
Unit Symbol	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
Lower Limit	0.2	10	0.2	0.1	0.4	3	0.01	3	1	2.4	0.4	10	0.8	0.1	0.4	0.01	2	0.8	0.01	0.1	0.5	3	0.2
Method Code	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
109472	2.6	< 10	< 0.2	0.7	16.3	765	1.00	2890	< 1	10.3	34.3	< 10	< 0.8	6.7	470	0.30	< 2	4.0	24.6	9.8	9.9	101	0.6
109473	1.1	< 10	< 0.2	1.1	6.5	744	0.41	2970	< 1	30.8	13.9	< 10	< 0.8	2.7	1920	0.14	< 2	2.0	26.5	4.1	71.3	132	49.1
109474	2.4	< 10	< 0.2	0.6	15.7	543	1.06	3190	< 1	12.6	32.8	< 10	< 0.8	6.5	511	0.63	< 2	4.2	24.5	9.2	15.2	99	3.2
109475	< 0.2	< 10	< 0.2	< 0.1	0.9	35	0.03	183	< 1	109.2	1.0	< 10	< 0.8	0.2	74.9	0.04	< 2	0.8	> 30.0	0.3	3.5	46	127
109476	2.6	< 10	< 0.2	0.6	16.3	459	0.99	3300	< 1	14.4	33.9	< 10	< 0.8	6.6	458	0.38	< 2	4.3	24.9	9.5	11.4	103	6.3
109477	2.6	< 10	< 0.2	0.3	16.2	269	0.91	3050	< 1	9.6	34.4	< 10	< 0.8	6.6	50.0	0.26	< 2	5.0	24.8	9.8	1.9	121	0.5
109478	2.6	< 10	< 0.2	0.3	16.2	642	1.09	2870	< 1	10.2	33.3	< 10	< 0.8	6.6	89.5	0.36	< 2	3.8	25.1	9.5	5.5	136	1.9
109479	< 0.2	< 10	< 0.2	2.0	< 0.4	> 10000	0.02	845	< 1	71.0	< 0.4	< 10	< 0.8	< 0.1	894	< 0.01	< 2	2.3	> 30.0	< 0.1	712	12	72.4
109480	< 0.2	< 10	< 0.2	< 0.1	< 0.4	5	1.73	25	< 1	< 2.4	< 0.4	< 10	< 0.8	< 0.1	0.8	0.12	< 2	2.7	0.46	< 0.1	< 0.5	4090	< 0.2
109481	1.0	< 10	< 0.2	1.3	5.9	4440	3.30	1710	< 1	6.5	11.6	50	< 0.8	2.3	1090	0.12	< 2	2.6	22.5	3.2	15.0	130	9.7
109482	1.0	< 10	< 0.2	0.5	6.0	2200	3.27	1730	< 1	3.8	11.9	50	< 0.8	2.4	70.7	0.16	< 2	1.9	23.0	3.5	0.6	119	0.2
109483	0.9	< 10	< 0.2	0.4	5.3	1270	3.40	1600	< 1	3.5	11.0	50	< 0.8	2.2	22.5	0.19	< 2	1.7	22.6	3.3	< 0.5	148	< 0.2
109484	1.0	< 10	< 0.2	0.5	6.1	2620	3.00	1890	< 1	4.3	12.2	50	< 0.8	2.4	57.7	0.19	< 2	2.0	23.2	3.4	2.8	137	0.9
109485	1.0	< 10	< 0.2	0.5	5.9	3130	3.36	1730	< 1	4.1	12.0	50	< 0.8	2.4	45.1	0.12	< 2	2.2	23.2	3.6	2.0	126	0.7
109486	1.0	< 10	< 0.2	0.9	5.8	4250	3.40	1850	< 1	3.7	11.8	50	< 0.8	2.4	488	0.20	< 2	1.2	22.5	3.4	3.1	124	< 0.2
109487	< 0.2	< 10	< 0.2	2.5	< 0.4	9510	0.05	1050	< 1	59.6	< 0.4	< 10	< 0.8	< 0.1	1690	< 0.01	< 2	< 0.8	> 30.0	< 0.1	389	8	39.5
109488	< 0.2	< 10	< 0.2	2.4	< 0.4	7870	0.01	321	6	84.0	< 0.4	< 10	< 0.8	< 0.1	1640	< 0.01	< 2	< 0.8	> 30.0	< 0.1	118	20	124
109489	< 0.2	< 10	< 0.2	2.7	< 0.4	> 10000	< 0.01	879	< 1	67.4	< 0.4	< 10	< 0.8	< 0.1	1560	< 0.01	< 2	< 0.8	> 30.0	< 0.1	336	5	32.5
109490	< 0.2	< 10	< 0.2	2.4	< 0.4	5160	< 0.01	1220	< 1	66.0	< 0.4	< 10	< 0.8	< 0.1	1630	< 0.01	< 2	3.9	> 30.0	< 0.1	163	6	36.3
109491	< 0.2	< 10	< 0.2	5.4	< 0.4	7400	< 0.01	476	2	50.4	< 0.4	< 10	< 0.8	< 0.1	4550	< 0.01	< 2	< 0.8	> 30.0	< 0.1	135	11	39.7
109492	< 0.2	< 10	< 0.2	3.4	< 0.4	9800	< 0.01	619	11	29.2	< 0.4	< 10	< 0.8	< 0.1	2340	< 0.01	< 2	< 0.8	> 30.0	< 0.1	144	7	23.2
109493	< 0.2	< 10	< 0.2	5.1	< 0.4	6330	< 0.01	480	2	36.0	< 0.4	< 10	1.3	< 0.1	4200	< 0.01	< 2	1.8	> 30.0	< 0.1	133	12	28.4
109494	< 0.2	< 10	< 0.2	1.4	0.4	1120	0.01	638	13	87.4	0.4	< 10	< 0.8	< 0.1	1060	0.01	< 2	< 0.8	> 30.0	< 0.1	194	15	95.3
109495	1.4	< 10	< 0.2	2.0	8.2	1670	3.05	2030	< 1	8.1	14.9	20	< 0.8	3.1	2190	0.06	2	2.1	24.4	4.2	15.0	63	6.4
109496	1.7	< 10	< 0.2	1.0	10.8	5340	2.74	2130	< 1	6.6	17.3	10	< 0.8	3.7	513	0.18	< 2	1.0	25.0	4.6	1.8	106	0.4
109497	1.8	< 10	< 0.2	0.8	10.1	5590	2.77	2320	< 1	6.7	16.7	10	< 0.8	3.5	159	0.20	< 2	1.9	25.2	4.5	1.3	116	0.4
109498	1.1	< 10	< 0.2	0.5	111	316	3.54	1360	< 1	7.1	122	70	4.4	30.9	31.5	0.41	< 2	1.8	25.9	17.6	0.6	522	0.3
108451	1.6	< 10	< 0.2	0.3	9.9	29	2.40	2010	< 1	6.0	18.2	10	< 0.8	3.6	9.9	0.18	< 2	< 0.8	25.2	4.9	< 0.5	113	0.3
108452	1.5	< 10	< 0.2	0.3	9.4	24	2.31	1780	< 1	6.0	17.6	10	< 0.8	3.6	6.8	0.16	< 2	1.3	25.1	4.9	< 0.5	196	0.4
108453	0.8	< 10	< 0.2	0.1	3.7	37	4.75	1600	< 1	2.5	7.8	70	< 0.8	1.6	1.9	0.08	< 2	1.2	23.5	2.5	< 0.5	39	< 0.2
108454	< 0.2	< 10	< 0.2	2.3	0.9	8260	0.01	331	6	80.2	< 0.4	< 10	< 0.8	< 0.1	1650	< 0.01	< 2	< 0.8	> 30.0	< 0.1	122	20	121
108455	0.9	< 10	< 0.2	0.2	5.3	53	3.74	1760	< 1	3.9	10.8	100	< 0.8	2.1	2.4	0.11	< 2	0.9	21.9	3.1	< 0.5	155	< 0.2
108456	0.9	< 10	< 0.2	0.3	5.3	75	3.99	1870	< 1	3.6	11.0	110	< 0.8	2.1	6.8	0.07	< 2	1.8	20.6	3.2	< 0.5	133	< 0.2
108457	0.8	< 10	< 0.2	0.2	5.0	74	3.54	1610	< 1	3.1	9.8	80	< 0.8	2.0	2.0	0.03	< 2	< 0.8	21.4	2.8	< 0.5	151	< 0.2
108458	1.0	< 10	< 0.2	0.3	5.2	85	2.79	1770	< 1	3.8	10.6	40	< 0.8	2.1	13.2	0.04	< 2	1.2	23.4	3.1	< 0.5	133	< 0.2
108459	0.7	< 10	< 0.2	0.1	3.1	336	4.31	1490	< 1	< 2.4	6.4	80	< 0.8	1.3	6.4	0.06	< 2	< 0.8	22.6	1.9	< 0.5	134	< 0.2
108460	0.7	< 10	< 0.2	0.2	3.2	624	4.24	1490	< 1	< 2.4	6.6	70	< 0.8	1.3	11.9	0.03	< 2	< 0.8	22.5	2.0	< 0.5	132	< 0.2
108461	0.8	< 10	< 0.2	0.3	3.4	1350	3.46	2010	< 1	< 2.4	6.8	70	< 0.8	1.4	75.3	0.11	2	< 0.8	23.1	1.9	0.9	64	< 0.2
108462	< 0.2	< 10	< 0.2	1.1	0.5	59	0.04	178	< 1	58.7	0.8	20	3.9	0.2	934	0.01	< 2	< 0.8	> 30.0	0.1	2.4	59	54.2
108463	< 0.2	< 10	< 0.2	2.3	< 0.4	8100	0.02	327	5	89.4	< 0.4	< 10	< 0.8	< 0.1	1630	< 0.01	< 2	< 0.8	> 30.0	< 0.1	117	20	125
108464	< 0.2	< 10	< 0.2	3.6	< 0.4	2770	0.02	215	< 1	62.7	0.8	< 10	7.0	0.2	3180	< 0.01	< 2	< 0.8	> 30.0	< 0.1	87.5	49	71.0

Analyte Symbol	Ho	Hf	In	K	La	Li	Mg	Mn	Mo	Nb	Nd	Ni	Pb	Pr	Rb	S	Sb	Se	Si	Sm	Sn	Sr	Ta
Unit Symbol	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
Lower Limit	0.2	10	0.2	0.1	0.4	3	0.01	3	1	2.4	0.4	10	0.8	0.1	0.4	0.01	2	0.8	0.01	0.1	0.5	3	0.2
Method Code	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
108465	< 0.2	< 10	< 0.2	0.2	1.0	204	0.02	681	< 1	87.4	0.8	< 10	1.7	0.2	132	0.01	< 2	< 0.8	> 30.0	0.1	6.6	54	143
108466	0.8	< 10	< 0.2	0.3	3.7	2070	3.53	1790	< 1	2.6	6.5	70	< 0.8	1.3	49.6	0.08	< 2	< 0.8	22.7	2.0	1.9	68	0.8
108467	0.8	< 10	< 0.2	0.2	3.2	543	3.85	1640	< 1	< 2.4	6.8	70	< 0.8	1.3	23.1	0.04	< 2	1.4	21.8	1.9	< 0.5	54	< 0.2
108468	0.8	< 10	< 0.2	0.1	3.4	443	3.58	1590	< 1	< 2.4	6.8	70	< 0.8	1.4	16.2	0.10	< 2	1.7	23.0	2.0	< 0.5	59	< 0.2
108469	0.7	< 10	< 0.2	0.3	3.0	719	4.14	1580	< 1	< 2.4	6.7	70	< 0.8	1.3	57.1	0.10	< 2	2.5	22.4	1.8	< 0.5	208	0.4
108470	0.7	< 10	< 0.2	0.2	4.0	231	3.51	1650	< 1	< 2.4	7.2	70	< 0.8	1.5	24.5	0.04	< 2	3.4	22.8	2.0	0.5	81	< 0.2
108471	0.8	< 10	< 0.2	0.5	3.3	2930	3.48	1990	< 1	3.2	6.2	70	< 0.8	1.2	171	0.11	< 2	3.1	22.2	1.8	7.5	70	1.2
108472	< 0.2	< 10	< 0.2	1.9	0.4	438	0.04	341	4	106.6	1.0	< 10	6.7	0.2	1360	< 0.01	< 2	0.9	> 30.0	0.2	68.7	101	61.2
108473	< 0.2	< 10	< 0.2	2.8	1.1	13	< 0.01	123	13	131.2	1.7	< 10	19.3	0.3	1680	0.03	< 2	< 0.8	> 30.0	0.4	13.9	88	190
108474	< 0.2	< 10	< 0.2	2.0	< 0.4	7090	0.02	532	3	129.0	< 0.4	< 10	5.0	< 0.1	1320	< 0.01	< 2	< 0.8	> 30.0	< 0.1	83.5	67	81.9
108475	< 0.2	< 10	< 0.2	1.6	0.6	4590	0.11	490	8	114.9	1.0	< 10	3.0	0.2	971	< 0.01	< 2	1.6	> 30.0	0.2	56.8	79	69.2
108476	< 0.2	< 10	< 0.2	< 0.1	< 0.4	< 3	1.46	23	< 1	< 2.4	< 0.4	< 10	< 0.8	< 0.1	2.3	0.10	< 2	2.6	0.27	< 0.1	< 0.5	3530	< 0.2
108477	0.8	< 10	< 0.2	0.5	3.8	1600	3.56	1750	< 1	4.1	7.1	30	8.1	1.5	217	0.12	< 2	2.6	23.8	2.3	2.6	133	3.9
108478	< 0.2	< 10	< 0.2	1.8	0.5	1080	0.02	273	< 1	71.3	< 0.4	< 10	8.4	0.1	1330	< 0.01	< 2	2.4	> 30.0	< 0.1	58.5	102	44.5
108479	< 0.2	< 10	< 0.2	3.0	0.5	157	0.02	174	5	82.3	0.6	< 10	14.1	0.1	2180	< 0.01	< 2	1.6	> 30.0	0.1	20.8	116	66.8
108480	< 0.2	< 10	< 0.2	2.3	< 0.4	8090	0.02	316	6	81.8	< 0.4	< 10	3.7	< 0.1	1680	< 0.01	< 2	2.0	> 30.0	< 0.1	128	18	135
108481	1.1	< 10	< 0.2	0.5	5.6	2140	3.23	1740	< 1	< 2.4	12.0	40	3.9	2.4	107	0.20	< 2	9.7	21.6	3.8	2.2	223	< 0.2
108482	1.2	< 10	< 0.2	0.3	6.8	1350	3.34	1680	< 1	< 2.4	14.3	30	1.9	2.9	11.2	0.37	< 2	2.8	21.3	4.4	0.8	204	< 0.2
108483	1.1	< 10	< 0.2	0.3	6.2	799	2.99	1550	< 1	< 2.4	12.6	20	< 0.8	2.5	16.1	0.11	< 2	2.4	23.6	3.8	< 0.5	217	< 0.2
108484	1.1	< 10	< 0.2	0.3	5.5	778	3.33	1970	< 1	5.2	11.9	60	< 0.8	2.3	39.3	0.09	< 2	64.2	22.5	3.8	1.5	201	1.1
108485	1.2	< 10	< 0.2	0.7	6.4	490	2.71	1810	< 1	5.0	13.8	10	1.9	2.7	738	0.18	< 2	2.3	22.0	4.3	7.3	162	2.6
108486	< 0.2	< 10	< 0.2	0.8	1.4	140	0.10	351	< 1	104.7	1.0	< 10	5.3	0.2	1100	0.03	< 2	1.0	> 30.0	0.2	17.0	88	92.5
108487	1.2	< 10	< 0.2	0.4	7.4	375	2.64	1690	< 1	2.8	15.1	< 10	1.1	3.1	112	0.32	< 2	2.3	22.5	4.5	1.7	145	0.5
108488	1.3	< 10	< 0.2	0.3	7.9	275	2.68	1790	< 1	< 2.4	15.8	< 10	1.5	3.2	13.6	0.34	< 2	1.4	23.0	4.8	0.7	134	< 0.2
108489	1.4	< 10	< 0.2	0.3	8.5	272	2.36	1770	< 1	2.4	17.1	< 10	2.1	3.3	22.0	0.23	< 2	2.2	22.5	4.9	0.9	118	< 0.2
108490	0.8	< 10	< 0.2	0.2	3.4	138	4.50	1490	< 1	< 2.4	7.4	70	3.5	1.5	5.2	0.03	< 2	2.0	22.5	2.3	< 0.5	136	< 0.2
108491	0.8	< 10	< 0.2	0.2	3.1	84	4.29	1300	1	2.6	6.6	70	< 0.8	1.3	13.2	0.40	< 2	130	22.6	2.1	2.1	81	1.3
108492	0.9	< 10	< 0.2	0.3	3.9	208	4.54	1230	< 1	< 2.4	8.5	40	0.8	1.7	25.9	0.08	< 2	3.9	22.4	2.4	< 0.5	99	< 0.2
108493	0.8	< 10	< 0.2	0.3	5.5	146	4.53	841	< 1	< 2.4	8.4	40	< 0.8	1.9	35.7	0.02	< 2	2.1	23.7	2.3	0.6	103	< 0.2
108494	1.6	< 10	< 0.2	0.2	10.2	72	2.29	1720	< 1	3.0	19.8	< 10	1.7	4.1	1.9	0.22	< 2	3.8	23.7	5.6	< 0.5	169	< 0.2
108495	1.7	< 10	< 0.2	0.2	10.5	111	2.36	1490	< 1	2.7	19.3	< 10	< 0.8	3.9	2.8	0.23	< 2	2.4	23.3	5.4	< 0.5	123	< 0.2
108496	< 0.2	< 10	< 0.2	< 0.1	< 0.4	< 3	1.57	20	< 1	< 2.4	< 0.4	< 10	< 0.8	< 0.1	< 0.4	0.09	< 2	< 0.8	0.45	< 0.1	< 0.5	3310	< 0.2
108497	0.9	< 10	< 0.2	0.4	11.6	142	3.04	1200	< 1	< 2.4	19.6	80	1.8	4.2	54.4	0.31	< 2	1.8	25.6	4.7	< 0.5	234	< 0.2
108498	1.1	< 10	< 0.2	0.4	10.7	197	2.99	1420	< 1	< 2.4	18.1	60	4.9	3.9	57.6	0.12	< 2	2.4	25.8	4.7	< 0.5	223	< 0.2
108499	< 0.2	< 10	< 0.2	0.2	1.6	58	0.11	338	< 1	114.1	2.3	< 10	6.1	0.6	23.1	< 0.01	< 2	0.9	> 30.0	0.4	3.7	87	91.1
108500	1.5	< 10	< 0.2	0.4	9.0	235	2.53	1780	< 1	3.1	16.8	< 10	< 0.8	3.5	28.0	0.19	< 2	1.7	24.5	4.8	0.7	116	< 0.2
108551	1.5	10	< 0.2	0.3	8.9	202	2.63	1640	< 1	3.6	16.7	20	< 0.8	3.5	23.2	0.15	< 2	< 0.8	24.8	4.9	0.5	119	0.3
108552	1.4	< 10	< 0.2	0.3	8.9	336	2.48	1660	< 1	2.6	16.6	< 10	1.3	3.4	14.3	0.26	< 2	2.7	24.3	4.6	< 0.5	109	< 0.2
108553	1.5	< 10	< 0.2	0.5	7.4	1000	2.65	1700	13	3.3	15.5	< 10	3.0	3.1	72.1	0.63	< 2	3.1	24.6	4.7	1.3	112	0.7
108554	< 0.2	< 10	< 0.2	2.2	0.6	1030	0.05	194	< 1	53.4	0.6	< 10	12.8	0.1	1680	< 0.01	< 2	1.0	> 30.0	0.1	21.4	88	36.2
108555	< 0.2	< 10	< 0.2	2.5	< 0.4	7970	0.02	304	6	75.5	< 0.4	< 10	3.8	< 0.1	1660	< 0.01	< 2	< 0.8	> 30.0	< 0.1	128	23	125

Analyte Symbol	Ho	Hf	In	K	La	Li	Mg	Mn	Mo	Nb	Nd	Ni	Pb	Pr	Rb	S	Sb	Se	Si	Sm	Sn	Sr	Ta
Unit Symbol	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
Lower Limit	0.2	10	0.2	0.1	0.4	3	0.01	3	1	2.4	0.4	10	0.8	0.1	0.4	0.01	2	0.8	0.01	0.1	0.5	3	0.2
Method Code	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
108556	1.2	< 10	< 0.2	0.5	10.4	591	3.05	1330	< 1	3.9	17.7	50	1.2	3.9	70.7	0.02	< 2	< 0.8	25.2	4.8	2.0	151	2.6
108557	1.5	10	< 0.2	0.4	9.2	330	2.82	1500	< 1	3.9	17.3	< 10	1.7	3.6	50.2	0.11	< 2	1.5	24.0	4.9	2.0	110	< 0.2
108558	1.5	< 10	< 0.2	0.3	8.4	428	2.65	1630	< 1	2.7	16.1	< 10	3.3	3.2	24.4	0.15	< 2	2.1	24.0	4.8	0.6	118	< 0.2
108559	1.4	< 10	< 0.2	0.3	8.9	442	2.81	1620	< 1	< 2.4	16.9	< 10	0.9	3.4	40.5	0.14	< 2	< 0.8	23.8	4.9	< 0.5	105	< 0.2
108560	1.4	< 10	< 0.2	0.3	8.0	540	2.75	1400	< 1	< 2.4	16.3	< 10	< 0.8	3.3	22.8	0.04	< 2	< 0.8	23.9	4.7	< 0.5	102	< 0.2
108561	1.5	< 10	< 0.2	0.5	7.8	1350	2.76	1460	< 1	2.9	16.0	< 10	1.2	3.2	28.0	0.03	< 2	1.5	24.2	4.8	3.1	106	< 0.2
108562	< 0.2	< 10	< 0.2	0.9	1.3	1970	0.27	393	< 1	95.2	2.0	< 10	6.1	0.4	552	0.03	< 2	< 0.8	> 30.0	0.5	67.0	87	63.7
108563	0.9	< 10	< 0.2	0.4	5.5	603	1.66	988	10	< 2.4	10.9	< 10	3.5	2.2	96.2	0.67	< 2	2.7	> 30.0	3.1	3.2	74	0.3
108564	1.4	< 10	< 0.2	0.5	8.3	626	2.82	1520	6	2.6	15.1	< 10	3.2	3.2	108	0.58	< 2	2.3	23.4	4.7	0.6	115	< 0.2
108565	1.5	< 10	< 0.2	0.8	8.9	521	2.59	1920	< 1	< 2.4	17.0	< 10	1.4	3.4	201	0.57	< 2	3.7	23.2	5.0	0.7	84	< 0.2
108566	1.5	< 10	< 0.2	0.6	8.0	659	2.77	2160	< 1	< 2.4	15.3	< 10	2.4	3.1	144	0.39	< 2	2.0	23.4	4.9	1.3	113	< 0.2
108567	< 0.2	< 10	< 0.2	1.6	1.0	444	0.05	358	< 1	97.6	1.0	< 10	4.5	0.3	1070	0.04	< 2	1.1	> 30.0	0.1	51.0	87	69.2
108568	< 0.2	< 10	< 0.2	2.4	< 0.4	8220	0.01	306	5	50.1	< 0.4	< 10	3.2	< 0.1	1610	< 0.01	< 2	0.9	> 30.0	< 0.1	122	22	105
108569	1.5	< 10	< 0.2	0.6	7.9	794	2.49	2290	< 1	3.7	16.4	< 10	2.7	3.2	119	0.44	< 2	1.8	23.6	4.8	4.5	123	< 0.2
108570	1.6	< 10	< 0.2	0.4	9.5	133	2.31	1840	< 1	3.6	18.3	< 10	13.8	3.7	24.4	0.24	< 2	2.0	24.9	5.3	3.9	133	0.3
108571	1.5	< 10	< 0.2	0.4	8.8	722	2.41	1700	< 1	2.7	17.2	< 10	2.8	3.5	18.2	0.16	< 2	< 0.8	24.2	5.0	< 0.5	120	< 0.2

Analyte Symbol	Tb	Te	Th	Ti	Tl	Tm	U	V	W	Y	Yb	Zn
Unit Symbol	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	6	0.1	0.01	0.1	0.1	0.1	5	0.7	0.1	0.1	30
Method Code	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
109431	0.6	< 6	0.3	0.57	0.2	0.4	< 0.1	277	< 0.7	23.6	2.3	110
109432	0.6	< 6	0.4	0.58	0.4	0.4	< 0.1	297	< 0.7	24.7	2.4	100
109433	0.6	< 6	0.4	0.57	3.3	0.4	0.7	299	< 0.7	24.6	2.3	110
109434	< 0.1	< 6	3.0	0.01	6.1	< 0.1	7.7	5	< 0.7	0.3	< 0.1	60
109435	0.8	< 6	7.5	0.48	1.1	0.3	1.8	213	94.9	21.7	1.7	110
109436	0.6	< 6	0.3	0.56	0.3	0.4	< 0.1	297	1.3	23.4	2.3	120
109437	0.6	< 6	0.3	0.57	0.2	0.4	< 0.1	299	0.7	24.4	2.4	100
109438	0.6	< 6	0.2	0.55	< 0.1	0.4	< 0.1	296	1.1	23.8	2.4	100
109439	0.8	< 6	0.4	0.53	< 0.1	0.6	< 0.1	327	< 0.7	33.1	3.3	140
109440	0.1	< 6	3.3	0.06	0.2	< 0.1	2.0	19	< 0.7	3.0	0.2	< 30
109441	0.9	< 6	0.5	0.70	0.4	0.6	< 0.1	345	< 0.7	35.0	3.6	130
109442	0.8	< 6	0.5	0.66	2.0	0.6	< 0.1	341	< 0.7	32.9	3.5	130
109443	0.7	< 6	0.3	0.57	5.1	0.5	2.1	336	< 0.7	29.9	3.1	140
109444	< 0.1	< 6	0.8	< 0.01	7.7	< 0.1	2.4	5	< 0.7	0.1	< 0.1	50
109445	< 0.1	< 6	1.0	< 0.01	5.2	< 0.1	3.7	< 5	< 0.7	0.1	< 0.1	30
109446	< 0.1	< 6	2.4	< 0.01	13.5	< 0.1	6.1	< 5	< 0.7	< 0.1	< 0.1	180
109447	< 0.1	< 6	1.7	0.01	17.5	< 0.1	7.3	6	< 0.7	0.1	< 0.1	60
109448	0.6	< 6	0.2	0.57	9.5	0.4	< 0.1	291	< 0.7	24.7	2.6	300
109449	0.7	< 6	0.3	0.56	6.5	0.5	0.1	317	< 0.7	28.3	2.9	180
109450	0.6	< 6	0.2	0.45	0.3	0.6	< 0.1	304	< 0.7	29.9	3.8	130
109451	1.0	< 6	0.7	1.05	< 0.1	0.7	< 0.1	377	< 0.7	36.6	3.9	140
109452	0.8	< 6	0.8	0.71	1.2	0.7	< 0.1	324	< 0.7	35.4	4.1	140
109453	0.8	< 6	0.8	0.68	0.9	0.6	< 0.1	313	< 0.7	34.4	4.0	130
109454	0.8	< 6	0.8	0.74	4.3	0.7	1.1	358	< 0.7	37.3	4.4	190
109455	< 0.1	< 6	2.4	< 0.01	28.7	< 0.1	8.8	< 5	< 0.7	0.5	< 0.1	100
109456	< 0.1	< 6	1.6	< 0.01	14.9	< 0.1	3.9	< 5	< 0.7	< 0.1	< 0.1	70
109457	< 0.1	< 6	0.8	< 0.01	26.4	< 0.1	3.5	< 5	< 0.7	< 0.1	< 0.1	140
109458	0.1	< 6	1.6	< 0.01	11.6	< 0.1	6.6	< 5	< 0.7	1.4	< 0.1	80
109459	< 0.1	< 6	3.1	< 0.01	19.3	< 0.1	8.6	< 5	1.3	0.3	< 0.1	170
109460	< 0.1	< 6	< 0.1	< 0.01	< 0.1	< 0.1	1.3	< 5	< 0.7	< 0.1	< 0.1	< 30
109461	0.4	< 6	1.4	0.26	4.0	0.4	5.3	118	< 0.7	18.2	2.3	500
109462	< 0.1	< 6	2.7	0.01	10.0	< 0.1	8.8	7	1.0	0.9	< 0.1	170
109463	< 0.1	< 6	1.7	< 0.01	21.3	< 0.1	8.0	< 5	< 0.7	< 0.1	< 0.1	70
109464	< 0.1	< 6	1.6	< 0.01	16.1	< 0.1	4.2	< 5	< 0.7	< 0.1	< 0.1	90
109465	< 0.1	< 6	2.1	< 0.01	13.2	< 0.1	5.6	< 5	< 0.7	< 0.1	< 0.1	180
109466	< 0.1	< 6	2.3	< 0.01	16.7	< 0.1	3.9	< 5	< 0.7	< 0.1	< 0.1	60
109467	< 0.1	< 6	1.4	< 0.01	6.4	< 0.1	5.6	< 5	< 0.7	0.5	< 0.1	60
109468	0.7	< 6	0.9	0.65	18.8	0.6	1.6	305	< 0.7	31.3	3.8	210
109469	0.8	< 6	0.8	0.70	2.3	0.7	< 0.1	338	< 0.7	36.4	4.3	150
109470	0.8	< 6	0.8	0.73	6.2	0.7	< 0.1	340	< 0.7	37.2	4.5	140
109471	2.1	< 6	1.2	0.86	< 0.1	1.0	0.1	21	< 0.7	66.4	5.9	230

Analyte Symbol	Tb	Te	Th	Ti	Tl	Tm	U	V	W	Y	Yb	Zn
Unit Symbol	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	6	0.1	0.01	0.1	0.1	0.1	5	0.7	0.1	0.1	30
Method Code	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
109472	2.2	< 6	1.4	0.89	4.4	1.1	0.2	21	3.6	68.8	6.2	220
109473	0.9	< 6	1.8	0.36	16.3	0.5	5.6	9	< 0.7	30.6	2.8	280
109474	2.1	< 6	1.3	0.84	4.8	1.0	0.5	24	< 0.7	67.3	5.8	230
109475	< 0.1	< 6	3.2	0.02	0.6	< 0.1	11.4	< 5	< 0.7	1.9	0.2	30
109476	2.2	< 6	1.5	0.89	4.7	1.1	1.0	23	< 0.7	67.9	6.2	230
109477	2.2	< 6	1.3	0.86	0.8	1.1	0.2	21	< 0.7	67.7	6.2	210
109478	2.2	< 6	1.4	0.86	1.1	1.1	0.3	21	< 0.7	66.9	6.3	210
109479	< 0.1	< 6	2.7	< 0.01	5.9	< 0.1	7.2	< 5	< 0.7	0.5	< 0.1	80
109480	< 0.1	< 6	< 0.1	< 0.01	< 0.1	< 0.1	1.6	< 5	< 0.7	< 0.1	< 0.1	< 30
109481	0.8	< 6	0.6	1.04	9.7	0.4	0.9	331	1.1	25.0	2.3	130
109482	0.8	< 6	0.5	1.11	0.8	0.4	< 0.1	353	< 0.7	26.3	2.4	120
109483	0.8	< 6	0.4	1.10	0.4	0.4	< 0.1	333	< 0.7	24.7	2.2	110
109484	0.9	< 6	0.5	1.12	0.7	0.4	< 0.1	352	< 0.7	26.8	2.4	130
109485	0.8	< 6	0.5	1.13	0.6	0.4	< 0.1	353	1.6	26.5	2.6	120
109486	0.9	< 6	0.5	1.14	4.8	0.4	< 0.1	355	< 0.7	26.7	2.5	130
109487	< 0.1	< 6	2.6	0.02	12.7	< 0.1	10.1	< 5	< 0.7	0.3	< 0.1	70
109488	< 0.1	< 6	2.0	< 0.01	12.9	< 0.1	5.3	< 5	0.8	< 0.1	< 0.1	170
109489	< 0.1	< 6	3.9	< 0.01	11.4	< 0.1	12.0	< 5	< 0.7	< 0.1	< 0.1	70
109490	< 0.1	< 6	4.2	< 0.01	12.2	< 0.1	14.6	< 5	< 0.7	0.7	< 0.1	120
109491	< 0.1	< 6	1.4	< 0.01	36.3	< 0.1	5.2	< 5	0.8	< 0.1	< 0.1	40
109492	< 0.1	< 6	2.9	< 0.01	18.2	< 0.1	5.8	< 5	< 0.7	< 0.1	< 0.1	30
109493	< 0.1	< 6	2.0	< 0.01	33.6	< 0.1	5.3	< 5	< 0.7	< 0.1	< 0.1	70
109494	< 0.1	< 6	2.4	< 0.01	7.4	< 0.1	8.9	< 5	< 0.7	0.5	< 0.1	220
109495	1.0	< 6	0.9	1.02	19.8	0.6	0.2	305	< 0.7	37.0	3.8	140
109496	1.2	< 6	1.2	1.08	4.8	0.9	0.1	219	< 0.7	47.7	5.0	190
109497	1.2	< 6	1.2	1.09	1.4	0.8	0.2	224	< 0.7	47.2	5.0	170
109498	1.4	< 6	15.2	0.80	0.2	0.4	2.7	225	< 0.7	29.8	2.2	120
108451	1.2	< 6	0.9	1.36	< 0.1	0.7	< 0.1	192	< 0.7	41.5	4.0	130
108452	1.2	< 6	0.8	1.36	< 0.1	0.7	< 0.1	195	< 0.7	41.1	4.0	120
108453	0.6	< 6	0.3	0.67	< 0.1	0.4	< 0.1	290	< 0.7	22.7	2.2	80
108454	< 0.1	< 6	2.3	< 0.01	13.0	< 0.1	5.3	< 5	1.4	< 0.1	< 0.1	180
108455	0.8	< 6	0.4	0.92	< 0.1	0.4	< 0.1	284	< 0.7	24.6	2.2	130
108456	0.8	< 6	0.4	0.92	< 0.1	0.4	< 0.1	283	< 0.7	24.6	2.2	150
108457	0.7	< 6	0.4	0.87	< 0.1	0.4	< 0.1	291	< 0.7	21.9	2.0	120
108458	0.8	< 6	0.4	1.16	< 0.1	0.4	< 0.1	396	< 0.7	25.4	2.3	110
108459	0.5	< 6	0.2	0.53	< 0.1	0.3	< 0.1	261	2.6	19.2	1.9	80
108460	0.5	< 6	0.2	0.55	0.2	0.3	< 0.1	271	< 0.7	20.1	2.0	90
108461	0.5	< 6	0.2	0.54	0.7	0.3	0.6	270	< 0.7	20.4	2.1	90
108462	< 0.1	< 6	1.7	< 0.01	7.3	< 0.1	10.8	< 5	< 0.7	0.4	< 0.1	< 30
108463	< 0.1	< 6	2.0	< 0.01	12.7	< 0.1	5.5	< 5	< 0.7	< 0.1	< 0.1	220
108464	< 0.1	< 6	2.0	< 0.01	24.4	< 0.1	10.5	< 5	< 0.7	< 0.1	< 0.1	< 30

Analyte Symbol	Tb	Te	Th	Ti	Tl	Tm	U	V	W	Y	Yb	Zn
Unit Symbol	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	6	0.1	0.01	0.1	0.1	0.1	5	0.7	0.1	0.1	30
Method Code	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
108465	< 0.1	< 6	2.8	0.01	0.9	< 0.1	27.0	< 5	0.9	< 0.1	< 0.1	110
108466	0.6	< 6	0.2	0.55	0.5	0.3	< 0.1	273	< 0.7	20.5	2.1	90
108467	0.5	< 6	0.2	0.56	0.3	0.3	< 0.1	276	< 0.7	20.1	2.0	100
108468	0.5	< 6	0.2	0.55	0.2	0.3	< 0.1	277	< 0.7	20.2	2.0	90
108469	0.5	< 6	0.2	0.55	0.5	0.3	< 0.1	273	< 0.7	20.1	1.9	90
108470	0.5	< 6	0.2	0.54	0.2	0.3	< 0.1	277	< 0.7	20.0	2.0	100
108471	0.5	< 6	0.2	0.55	1.4	0.3	0.2	281	< 0.7	20.3	2.1	100
108472	< 0.1	< 6	1.5	0.01	10.1	< 0.1	18.3	< 5	< 0.7	0.5	< 0.1	80
108473	< 0.1	< 6	4.4	< 0.01	12.1	< 0.1	13.0	< 5	< 0.7	1.6	< 0.1	< 30
108474	< 0.1	< 6	2.4	0.01	9.6	< 0.1	15.5	< 5	< 0.7	< 0.1	< 0.1	80
108475	< 0.1	< 6	3.2	0.02	7.2	< 0.1	16.8	7	< 0.7	0.9	< 0.1	90
108476	< 0.1	< 6	< 0.1	< 0.01	< 0.1	< 0.1	1.5	6	< 0.7	0.1	< 0.1	< 30
108477	0.6	< 6	0.5	0.61	2.1	0.4	0.6	267	2.7	22.0	2.4	100
108478	< 0.1	< 6	1.7	0.01	10.3	< 0.1	14.3	7	< 0.7	< 0.1	< 0.1	90
108479	< 0.1	< 6	1.3	< 0.01	18.7	< 0.1	12.2	6	< 0.7	< 0.1	< 0.1	70
108480	< 0.1	< 6	2.2	< 0.01	14.2	< 0.1	6.0	< 5	< 0.7	< 0.1	< 0.1	190
108481	0.9	< 6	0.6	1.11	1.1	0.4	2.1	347	< 0.7	28.8	2.9	150
108482	1.0	< 6	0.6	1.19	0.1	0.5	< 0.1	370	< 0.7	30.8	3.0	140
108483	0.9	< 6	0.6	1.03	< 0.1	0.4	< 0.1	317	< 0.7	27.7	2.7	120
108484	0.8	< 6	0.6	1.09	0.3	0.4	0.2	440	< 0.7	28.1	2.8	140
108485	1.0	< 6	0.7	1.13	7.4	0.5	0.9	342	< 0.7	30.8	3.1	150
108486	< 0.1	< 6	4.7	0.04	8.1	< 0.1	28.7	13	< 0.7	0.8	< 0.1	130
108487	1.0	< 6	0.7	1.20	1.2	0.5	0.2	365	< 0.7	32.0	3.2	140
108488	1.1	< 6	0.8	1.20	0.1	0.5	< 0.1	335	< 0.7	33.4	3.3	140
108489	1.1	< 6	0.7	1.28	0.2	0.6	< 0.1	320	< 0.7	35.3	3.5	150
108490	0.6	< 6	0.2	0.57	< 0.1	0.4	< 0.1	278	< 0.7	21.3	2.3	100
108491	0.5	< 6	0.2	0.58	< 0.1	0.3	0.2	372	< 0.7	19.2	2.1	40
108492	0.7	< 6	0.3	0.62	0.1	0.4	< 0.1	301	< 0.7	23.0	2.5	70
108493	0.6	< 6	0.6	0.56	0.2	0.4	< 0.1	260	< 0.7	20.9	2.4	30
108494	1.3	< 6	0.9	1.31	< 0.1	0.7	< 0.1	189	< 0.7	43.4	4.5	170
108495	1.3	< 6	0.9	1.32	< 0.1	0.7	< 0.1	194	< 0.7	41.7	4.5	110
108496	< 0.1	< 6	< 0.1	< 0.01	< 0.1	< 0.1	1.6	6	< 0.7	< 0.1	< 0.1	< 30
108497	0.8	< 6	1.8	0.77	0.3	0.4	0.8	155	< 0.7	24.5	2.5	80
108498	0.9	< 6	1.5	0.98	0.5	0.5	0.6	180	< 0.7	29.4	3.0	90
108499	< 0.1	< 6	4.5	0.03	< 0.1	< 0.1	45.8	9	< 0.7	1.4	< 0.1	70
108500	1.2	< 6	1.0	1.35	0.3	0.7	1.2	217	< 0.7	39.5	4.2	110
108551	1.2	< 6	0.9	1.34	0.2	0.7	0.5	205	< 0.7	39.4	4.2	110
108552	1.2	< 6	0.8	1.30	0.1	0.6	< 0.1	213	< 0.7	37.7	3.9	120
108553	1.2	< 6	0.9	1.30	0.6	0.6	2.5	215	< 0.7	38.9	4.2	110
108554	< 0.1	< 6	2.6	0.03	13.3	< 0.1	24.6	8	1.2	0.5	< 0.1	80
108555	< 0.1	< 6	2.2	< 0.01	13.5	< 0.1	6.1	< 5	1.0	< 0.1	< 0.1	170

Analyte Symbol	Tb	Te	Th	Ti	Tl	Tm	U	V	W	Y	Yb	Zn
Unit Symbol	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	6	0.1	0.01	0.1	0.1	0.1	5	0.7	0.1	0.1	30
Method Code	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
108556	1.0	< 6	1.3	1.02	0.6	0.5	0.7	180	< 0.7	30.1	3.1	100
108557	1.1	< 6	0.8	1.32	0.4	0.6	< 0.1	212	< 0.7	38.4	3.9	100
108558	1.2	< 6	0.8	1.33	0.2	0.6	< 0.1	227	< 0.7	38.2	3.9	120
108559	1.1	< 6	0.8	1.35	0.3	0.6	< 0.1	242	< 0.7	36.7	3.8	120
108560	1.2	< 6	0.8	1.31	0.2	0.6	< 0.1	234	< 0.7	36.1	3.8	100
108561	1.1	< 6	0.8	1.33	0.4	0.6	0.2	239	< 0.7	37.8	4.0	100
108562	< 0.1	< 6	2.4	0.13	3.9	< 0.1	18.6	24	< 0.7	3.1	0.3	130
108563	0.7	< 6	0.5	0.81	0.8	0.4	< 0.1	143	1.4	22.9	2.4	60
108564	1.1	< 6	0.8	1.36	0.8	0.6	0.2	238	< 0.7	37.6	4.1	110
108565	1.2	< 6	0.8	1.32	1.6	0.6	< 0.1	234	< 0.7	37.9	4.1	120
108566	1.2	< 6	0.8	1.36	1.2	0.6	0.2	237	< 0.7	38.9	3.8	120
108567	< 0.1	< 6	3.5	0.02	8.3	< 0.1	28.0	7	< 0.7	0.3	< 0.1	210
108568	< 0.1	< 6	2.0	< 0.01	13.2	< 0.1	5.5	< 5	< 0.7	< 0.1	< 0.1	170
108569	1.3	< 6	0.9	1.36	0.9	0.7	0.8	220	< 0.7	40.8	4.4	110
108570	1.3	< 6	1.0	1.28	0.1	0.7	0.3	193	< 0.7	42.5	4.3	140
108571	1.2	< 6	0.9	1.29	0.2	0.7	< 0.1	208	< 0.7	40.4	4.2	120

Analyte Symbol	Li	Li2O	B	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	Fe	Ga	Gd	Ge
Unit Symbol	%	%	%	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
Lower Limit	0.01	0.01	0.05	0.01	5	10	3	3	2	0.01	2	0.8	0.2	30	0.1	2	0.3	0.1	0.1	0.05	0.2	0.1	0.7
Method Code	FUS-Na2O2	FUS-Na2O2	FUS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
GXR-1 Meas	< 0.01		< 0.05	3.75	459	< 10	673	< 3	1570	0.96	4	14.7	7.8	< 30	3.2	1110	4.6		0.6	25.8	14.9	4.1	
GXR-1 Cert	0.000820		0.00150	3.52	427	15.0	750	1.22	1380	0.960	3.30	17.0	8.20	12.0	3.00	1110	4.30		0.690	23.6	13.8	4.20	
GXR-1 Meas				3.66	421	20	686	< 3	1420	0.89	3	14.6	7.6	< 30	2.9	1120	4.7		0.6	24.7	13.5	4.5	
GXR-1 Cert				3.52	427	15.0	750	1.22	1380	0.960	3.30	17.0	8.20	12.0	3.00	1110	4.30		0.690	23.6	13.8	4.20	
GXR-1 Meas				3.57						0.82										25.0			
GXR-1 Cert				3.52						0.960										23.6			
GXR-1 Meas				3.64						0.95										25.7			
GXR-1 Cert				3.52						0.960										23.6			
GXR-1 Meas				3.72						0.92										25.0			
GXR-1 Cert				3.52						0.960										23.6			
NIST 696 Meas				> 25.0										320									
NIST 696 Cert				28.9										321.0									
NIST 696 Meas														310									
NIST 696 Cert														321.0									
NIST 696 Meas														270									
NIST 696 Cert														321.0									
NIST 696 Meas														280									
NIST 696 Cert														321.0									
NIST 696 Meas														310									
NIST 696 Cert														321.0									
GBW 07239 (NCS DC 70007) Meas					< 5				< 2			60.3	13.7			47					25.1		12.1
GBW 07239 (NCS DC 70007) Cert					1				1			60.3	13.5			48.6					23.1		12.4
GBW 07239 (NCS DC 70007) Meas					< 5				< 2			60.7	14.0			48					23.9		12.2
GBW 07239 (NCS DC 70007) Cert					1				1			60.3	13.5			48.6					23.1		12.4
GBW 07239 (NCS DC 70007) Meas					< 5				< 2			66.5	15.2			52					25.6		13.0
GBW 07239 (NCS DC 70007) Cert					1				1			60.3	13.5			48.6					23.1		12.4
OREAS 131a (Fusion) Meas					89		791				82		23.0			315				5.67			
OREAS 131a (Fusion) Cert					91		865				80		25			324				5.90			
OREAS 131a (Fusion) Meas					88		846				80		24.7			331				5.66			
OREAS 131a (Fusion) Cert					91		865				80		25			324				5.90			
OREAS 131a (Fusion) Meas					81		849				81		22.0			288				5.85			

Analyte Symbol	Li	Li2O	B	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	Fe	Ga	Gd	Ge
Unit Symbol	%	%	%	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
Lower Limit	0.01	0.01	0.05	0.01	5	10	3	3	2	0.01	2	0.8	0.2	30	0.1	2	0.3	0.1	0.1	0.05	0.2	0.1	0.7
Method Code	FUS-Na2O2	FUS-Na2O2	FUS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
OREAS 131a (Fusion) Cert					91		865				80		25			324				5.90			
OREAS 131a (Fusion) Meas					81		833				80		23.2			314				5.60			
OREAS 131a (Fusion) Cert					91		865				80		25			324				5.90			
OREAS 131a (Fusion) Meas					86		907				83		24.8			328				5.62			
OREAS 131a (Fusion) Cert					91		865				80		25			324				5.90			
MP-1b Meas					> 10000				955	2.44	530					> 10000				8.34			
MP-1b Cert					23000.00				954.000	2.47	527.000					30690.000				8.19			
MP-1b Meas					> 10000				990	2.45	553					> 10000				7.97			
MP-1b Cert					23000.00				954.000	2.47	527.000					30690.000				8.19			
MP-1b Meas					> 10000				887	2.56	533					> 10000				8.12			
MP-1b Cert					23000.00				954.000	2.47	527.000					30690.000				8.19			
MP-1b Meas					> 10000				957	2.56	544					> 10000				8.06			
MP-1b Cert					23000.00				954.000	2.47	527.000					30690.000				8.19			
MP-1b Meas					> 10000				945	2.56	549					> 10000				7.99			
MP-1b Cert					23000.00				954.000	2.47	527.000					30690.000				8.19			
MP-1b Meas					> 10000				930	2.54	549					> 10000				8.19			
MP-1b Cert					23000.00				954.000	2.47	527.000					30690.000				8.19			
OREAS 101a (Fusion) Meas												1310	45.7			397	30.9	19.8	7.6	11.1		36.9	
OREAS 101a (Fusion) Cert												1396	48.8			434	33.3	19.5	8.06	11.06		43.4	
OREAS 101a (Fusion) Meas												1490	52.9			452	32.9	20.7	8.5	11.1		40.1	
OREAS 101a (Fusion) Cert												1396	48.8			434	33.3	19.5	8.06	11.06		43.4	
OREAS 101a (Fusion) Meas												1420	43.5			378	32.4	21.0	8.8	11.2		42.2	
OREAS 101a (Fusion) Cert												1396	48.8			434	33.3	19.5	8.06	11.06		43.4	
OREAS 101a (Fusion) Meas												1380	47.2			397	30.2	18.8	7.8	10.9		36.9	
OREAS 101a (Fusion) Cert												1396	48.8			434	33.3	19.5	8.06	11.06		43.4	
OREAS 101a												1490	49.6			423	32.7	19.9	8.5	10.9		40.2	

Analyte Symbol	Li	Li2O	B	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	Fe	Ga	Gd	Ge
Unit Symbol	%	%	%	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
Lower Limit	0.01	0.01	0.05	0.01	5	10	3	3	2	0.01	2	0.8	0.2	30	0.1	2	0.3	0.1	0.1	0.05	0.2	0.1	0.7
Method Code	FUS-Na2O2	FUS-Na2O2	FUS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
(Fusion) Meas																							
OREAS 101a (Fusion) Cert												1396	48.8			434	33.3	19.5	8.06	11.06		43.4	
OREAS 13b (fusion) Meas				8.51						5.41										8.34			
OREAS 13b (fusion) Cert				8.41						5.57										8.41			
OREAS 13b (fusion) Meas				8.22						5.46										8.36			
OREAS 13b (fusion) Cert				8.41						5.57										8.41			
OREAS 13b (fusion) Meas				8.80						5.80										8.69			
OREAS 13b (fusion) Cert				8.41						5.57										8.41			
OREAS 13b (fusion) Meas				8.48						5.53										8.25			
OREAS 13b (fusion) Cert				8.41						5.57										8.41			
OREAS 13b (fusion) Meas				8.42						5.37										8.14			
OREAS 13b (fusion) Cert				8.41						5.57										8.41			
NCS DC86303 Meas	0.21	0.44													316								
NCS DC86303 Cert	0.21	0.460													350								
NCS DC86303 Meas															363								
NCS DC86303 Cert															350								
NCS DC86303 Meas															350								
NCS DC86303 Cert															350								
NCS DC86303 Meas															365								
NCS DC86303 Cert															350								
NCS DC86314 Meas	1.83	3.94													2630								
NCS DC86314 Cert	1.81	3.89													2830								
NCS DC86314 Meas															2850								
NCS DC86314															2830								

Analyte Symbol	Li	Li2O	B	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	Fe	Ga	Gd	Ge
Unit Symbol	%	%	%	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
Lower Limit	0.01	0.01	0.05	0.01	5	10	3	3	2	0.01	2	0.8	0.2	30	0.1	2	0.3	0.1	0.1	0.05	0.2	0.1	0.7
Method Code	FUS-Na2O2	FUS-Na2O2	FUS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
Cert																							
NCS DC86314 Meas															2760								
NCS DC86314 Cert															2830								
NCS DC86314 Meas															2980								
NCS DC86314 Cert															2830								
OREAS 922 (Peroxide Fusion) Meas	< 0.01			7.62			428		12	0.55		83.0	19.7	70	7.3	2090	5.3	3.1	1.3	5.67	21.2	6.1	
OREAS 922 (Peroxide Fusion) Cert	0.003			7.59			481		11	0.49		88.0	20.9	90	7.5	2220	5.75	3.38	1.52	5.71	21.2	6.94	
OREAS 922 (Peroxide Fusion) Meas				7.50			473		12	0.53		90.2	22.0	70	7.7	2260	5.6	3.4	1.4	5.64	21.3	6.5	
OREAS 922 (Peroxide Fusion) Cert				7.59			481		11	0.49		88.0	20.9	90	7.5	2220	5.75	3.38	1.52	5.71	21.2	6.94	
OREAS 922 (Peroxide Fusion) Meas				7.41			463		19	0.50		87.9	18.7	50	7.1	2000	5.4	3.3	1.5	5.70	20.4	6.9	
OREAS 922 (Peroxide Fusion) Cert				7.59			481		11	0.49		88.0	20.9	90	7.5	2220	5.75	3.38	1.52	5.71	21.2	6.94	
OREAS 922 (Peroxide Fusion) Meas				7.70			449		9	0.56		83.6	19.5	70	6.7	2100	5.2	3.2	1.4	5.57	19.7	6.4	
OREAS 922 (Peroxide Fusion) Cert				7.59			481		10	0.49		88.0	20.9	90	7.5	2220	5.75	3.38	1.52	5.71	21.2	6.94	
OREAS 621 (Peroxide Fusion) Meas				6.84	81		2310	< 3	4	2.13	270	48.4	28.4	< 30	2.9	3430				3.76	26.4		
OREAS 621 (Peroxide Fusion) Cert				6.63	85		2610	2	4	2.00	295	52.0	31.4	50	3.6	3680				3.71	26.5		
OREAS 621 (Peroxide Fusion) Meas				6.53	86		2720	< 3	4	1.86	275	59.7	33.7	40	3.9	3860				3.76	27.0		
OREAS 621 (Peroxide Fusion) Cert				6.63	85		2610	2	4	2.00	295	52.0	31.4	50	3.6	3680				3.71	26.5		
OREAS 621 (Peroxide Fusion)				6.55	81		2600	< 3	4	2.05	273	56.3	26.9	< 30	3.1	3200				3.74	25.4		

Analyte Symbol	Li	Li2O	B	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	Fe	Ga	Gd	Ge
Unit Symbol	%	%	%	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
Lower Limit	0.01	0.01	0.05	0.01	5	10	3	3	2	0.01	2	0.8	0.2	30	0.1	2	0.3	0.1	0.1	0.05	0.2	0.1	0.7
Method Code	FUS-Na2O2	FUS-Na2O2	FUS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
Meas																							
OREAS 621 (Peroxide Fusion) Cert				6.63	85		2610	2	4	2.00	295	52.0	31.4	50	3.6	3680				3.71	26.5		
OREAS 621 (Peroxide Fusion) Meas				6.61	84		2830	< 3	4	2.05	291	58.2	33.1	< 30	3.6	3840				3.81	26.7		
OREAS 621 (Peroxide Fusion) Cert				6.63	85		2610	2	4	2.00	295	52.0	31.4	50	3.6	3680				3.71	26.5		
OREAS 621 (Peroxide Fusion) Meas				6.88						2.04										3.82			
OREAS 621 (Peroxide Fusion) Cert				6.63						2.00										3.71			
109431 Orig				7.95	< 5	< 10	55	< 3	< 2	7.79	< 2	12.0	59.9	40	2.9	110	3.8	2.6	0.9	9.06	18.0	3.6	3.2
109431 Dup				7.77	< 5	< 10	56	< 3	< 2	7.85	< 2	12.3	59.1	40	3.3	111	3.9	2.6	0.9	8.93	18.1	3.5	3.0
109443 Orig				7.24	< 5	< 10	60	4	< 2	5.42	< 2	9.1	56.5	< 30	114	108	4.8	3.3	0.9	10.3	18.1	4.0	2.7
109443 Dup				7.09	< 5	< 10	61	5	< 2	5.44	< 2	9.5	57.4	< 30	113	104	4.8	3.5	0.9	10.3	18.2	3.9	2.8
109451 Orig				6.72	< 5	< 10	59	< 3	< 2	4.89	< 2	19.3	59.6	< 30	4.3	248	6.1	4.3	1.4	12.4	18.3	5.7	2.4
109451 Dup				6.80	< 5	< 10	60	< 3	< 2	5.18	< 2	20.5	59.6	< 30	3.6	243	6.2	4.2	1.5	12.4	18.1	5.8	2.0
109465 Orig				8.24	< 5	30	55	127	< 2	0.17	< 2	< 0.8	< 0.2	140	58.7	< 2	< 0.3	< 0.1	< 0.1	0.29	58.4	< 0.1	4.4
109465 Dup				8.32	< 5	30	46	126	< 2	0.19	< 2	< 0.8	< 0.2	140	58.4	3	< 0.3	< 0.1	< 0.1	0.29	57.9	< 0.1	4.2
109473 Orig				7.50	< 5	1710	94	40	< 2	3.68	< 2	18.0	7.8	< 30	339	43	5.5	3.3	1.3	6.09	42.4	5.8	5.3
109473 Dup				7.48	< 5	1720	92	40	< 2	3.61	< 2	17.7	7.8	< 30	335	44	5.5	3.3	1.3	6.02	41.6	5.6	4.7
109480 Orig				0.08	< 5	< 10	4	< 3	< 2	34.7	< 2	< 0.8	< 0.2	< 30	0.2	< 2	< 0.3	< 0.1	< 0.1	< 0.05	< 0.2	< 0.1	< 0.7
109480 Split PREP DUP				0.04	< 5	< 10	3	< 3	< 2	37.5	< 2	< 0.8	< 0.2	< 30	< 0.1	< 2	< 0.3	< 0.1	< 0.1	< 0.05	< 0.2	< 0.1	< 0.7
109486 Orig				7.34	< 5	440	29	4	< 2	6.95	< 2	15.6	53.0	60	116	138	5.0	3.0	1.3	12.9	22.5	5.1	2.9
109486 Dup				7.32	< 5	440	30	4	< 2	6.94	< 2	15.6	52.3	60	116	141	5.0	3.0	1.3	12.8	22.2	4.9	3.0
109494 Orig				8.47	< 5	50	6	274	14	0.26	< 2	0.9	< 0.2	< 30	58.7	< 2	< 0.3	< 0.1	< 0.1	0.42	54.2	< 0.1	4.4
109494 Dup				8.20	< 5	50	7	263	12	0.27	< 2	0.9	< 0.2	< 30	57.7	< 2	< 0.3	< 0.1	< 0.1	0.41	55.0	0.1	4.4
108460 Orig				7.70	< 5	< 10	34	< 3	< 2	8.41	< 2	8.9	49.1	170	1.1	89	3.4	2.3	0.7	9.07	15.9	3.0	2.6
108460 Dup				7.65	< 5	< 10	34	< 3	< 2	8.31	< 2	8.7	49.4	170	0.7	90	3.3	2.3	0.8	8.94	15.9	3.0	2.9
108468 Orig				7.78	< 5	30	24	< 3	< 2	8.60	< 2	9.1	50.7	170	0.8	104	3.4	2.2	0.7	8.58	15.7	3.0	2.5
108468 Dup				7.71	< 5	30	24	< 3	< 2	8.42	< 2	9.1	50.1	170	1.0	103	3.4	2.2	0.8	8.47	15.8	3.1	2.7
108482 Orig				7.47	< 5	50	35	< 3	< 2	6.68	< 2	18.6	51.7	40	4.1	143	5.7	3.7	1.7	13.1	24.2	6.1	3.8
108482 Split PREP DUP				7.55	< 5	40	36	< 3	< 2	6.59	< 2	18.8	51.4	50	2.7	153	5.8	3.7	1.6	13.0	24.5	6.1	4.3
108490 Orig				7.48	< 5	< 10	13	< 3	< 2	7.87	< 2	9.7	52.4	40	1.3	133	3.6	2.6	0.9	9.79	16.8	3.3	4.2
108490 Dup				7.47	< 5	< 10	13	< 3	< 2	7.89	< 2	9.7	52.6	50	1.8	139	3.7	2.7	0.8	9.81	16.9	3.4	4.5
108554 Orig				7.51	9	590	34	210	28	0.24	< 2	0.9	0.3	< 30	94.8	< 2	< 0.3	< 0.1	< 0.1	0.47	49.5	0.1	6.0

Analyte Symbol	Li	Li2O	B	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	Fe	Ga	Gd	Ge
Unit Symbol	%	%	%	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
Lower Limit	0.01	0.01	0.05	0.01	5	10	3	3	2	0.01	2	0.8	0.2	30	0.1	2	0.3	0.1	0.1	0.05	0.2	0.1	0.7
Method Code	FUS-Na2O2	FUS-Na2O2	FUS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
108554 Dup				7.55	< 5	580	34	216	26	0.28	< 2	1.0	< 0.2	< 30	95.4	< 2	< 0.3	< 0.1	< 0.1	0.48	49.1	< 0.1	6.5
108562 Orig				8.14	< 5	910	67	215	29	0.76	< 2	2.9	3.0	< 30	35.6	< 2	0.6	0.4	0.2	1.48	68.7	0.5	6.5
108562 Dup				8.22	6	920	69	220	33	0.79	< 2	3.1	2.8	< 30	36.0	< 2	0.5	0.4	0.2	1.48	68.1	0.5	6.0
108571 Orig				6.99	< 5	10	44	< 3	< 2	5.94	< 2	23.2	36.5	< 30	6.0	43	7.1	4.9	1.8	13.0	24.3	7.2	5.1
108571 Dup				6.86	< 5	< 10	43	< 3	< 2	5.92	< 2	24.0	36.9	< 30	6.0	44	7.3	4.8	1.9	12.8	24.6	7.3	4.5
Method Blank				< 0.01	< 5	< 10	< 3	< 3	< 2	< 0.01	< 2	< 0.8	< 0.2	< 30	0.2	5	< 0.3	< 0.1	< 0.1	< 0.05	0.3	< 0.1	< 0.7
Method Blank				< 0.01	< 5	< 10	< 3	< 3	< 2	< 0.01	< 2	< 0.8	< 0.2	40	< 0.1	< 2	< 0.3	< 0.1	< 0.1	< 0.05	0.3	< 0.1	< 0.7
Method Blank				< 0.01	< 5	20	< 3	< 3	< 2	< 0.01	< 2	< 0.8	< 0.2	< 30	< 0.1	< 2	< 0.3	< 0.1	< 0.1	< 0.05	0.3	< 0.1	< 0.7
Method Blank				< 0.01	< 5	< 10	< 3	< 3	< 2	< 0.01	< 2	< 0.8	< 0.2	< 30	< 0.1	< 2	< 0.3	< 0.1	< 0.1	< 0.05	< 0.2	< 0.1	2.2
Method Blank				< 0.01	< 5	< 10	< 3	< 3	< 2	0.05	< 2	< 0.8	< 0.2	< 30	0.3	< 2	< 0.3	< 0.1	< 0.1	< 0.05	0.2	< 0.1	< 0.7
Method Blank				< 0.01						< 0.01										< 0.05			
Method Blank				< 0.01	< 5	< 10	< 3	< 3	< 2	0.05	< 2	< 0.8	< 0.2	< 30	< 0.1	< 2	< 0.3	< 0.1	< 0.1	< 0.05	0.3	< 0.1	< 0.7
Method Blank				< 0.01	< 5	< 10	< 3	< 3	< 2	0.04	< 2	< 0.8	< 0.2	< 30	< 0.1	< 2	< 0.3	< 0.1	< 0.1	< 0.05	< 0.2	< 0.1	< 0.7
Method Blank				< 0.01	9	10	< 3	< 3	< 2	0.08	< 2	< 0.8	< 0.2	< 30	< 0.1	2	< 0.3	< 0.1	< 0.1	< 0.05	< 0.2	< 0.1	< 0.7
Method Blank				< 0.01	< 5	< 10	< 3	< 3	< 2	0.03	< 2	< 0.8	< 0.2	< 30	0.5	< 2	< 0.3	< 0.1	< 0.1	< 0.05	< 0.2	< 0.1	< 0.7
Method Blank				< 0.01	< 5	< 10	< 3	< 3	< 2	< 0.01	2	< 0.8	0.3	< 30	< 0.1	8	< 0.3	< 0.1	< 0.1	< 0.05	< 0.2	< 0.1	< 0.7
Method Blank				< 0.01	< 5	10	< 3	< 3	< 2	< 0.01	< 2	< 0.8	< 0.2	< 30	< 0.1	< 2	< 0.3	< 0.1	< 0.1	< 0.05	< 0.2	< 0.1	1.1
Method Blank				< 0.01	< 5	< 10	< 3	< 3	< 2	0.03	< 2	< 0.8	< 0.2	< 30	< 0.1	< 2	< 0.3	< 0.1	< 0.1	0.10	< 0.2	< 0.1	< 0.7
Method Blank				< 0.01	< 5	< 10	< 3	< 3	< 2	0.06	< 2	< 0.8	< 0.2	< 30	1.4	< 2	< 0.3	< 0.1	< 0.1	< 0.05	< 0.2	< 0.1	2.3
Method Blank	< 0.01	< 0.01	< 0.05																				

Analyte Symbol	Ho	Hf	In	K	La	Li	Mg	Mn	Mo	Nb	Nd	Ni	Pb	Pr	Rb	S	Sb	Se	Si	Sm	Sn	Sr	Ta
Unit Symbol	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
Lower Limit	0.2	10	0.2	0.1	0.4	3	0.01	3	1	2.4	0.4	10	0.8	0.1	0.4	0.01	2	0.8	0.01	0.1	0.5	3	0.2
Method Code	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
GXR-1 Meas		< 10	0.5	< 0.1	6.9	9	0.23	827	18	< 2.4	8.6	40	767		3.0	0.28	123	15.2		2.9	54.5	284	< 0.2
GXR-1 Cert		0.960	0.770	0.050	7.50	8.20	0.217	852	18.0	0.800	18.0	41.0	730		14.0	0.257	122	16.6		2.70	54.0	275	0.175
GXR-1 Meas		< 10	0.8	< 0.1	7.2	9	0.23	866	17	< 2.4	8.6	30	750		4.2	0.25	121	15.4		2.6	53.3	278	< 0.2
GXR-1 Cert		0.960	0.770	0.050	7.50	8.20	0.217	852	18.0	0.800	18.0	41.0	730		14.0	0.257	122	16.6		2.70	54.0	275	0.175
GXR-1 Meas				< 0.1			0.22									0.25							
GXR-1 Cert				0.050			0.217									0.257							
GXR-1 Meas				< 0.1			0.22									0.27							
GXR-1 Cert				0.050			0.217									0.257							
GXR-1 Meas				< 0.1			0.23									0.26							
GXR-1 Cert				0.050			0.217									0.257							
NIST 696 Meas																							
NIST 696 Cert																							
NIST 696 Meas																							
NIST 696 Cert																							
NIST 696 Meas																							
NIST 696 Cert																							
NIST 696 Meas																							
NIST 696 Cert																							
NIST 696 Meas																							
NIST 696 Cert																							
GBW 07239 (NCS DC 70007) Meas					35.5			> 10000	1130		30.8	20	25.2	7.9							31.5		
GBW 07239 (NCS DC 70007) Cert					37.4			11540.000	1100		29.8	20.9	26.1	7.40							33.2		
GBW 07239 (NCS DC 70007) Meas					36.7			> 10000	1120		31.0	20	21.4	8.0							30.8		
GBW 07239 (NCS DC 70007) Cert					37.4			11540.000	1100		29.8	20.9	26.1	7.40							33.2		
GBW 07239 (NCS DC 70007) Meas					40.8			> 10000	1200		33.6	20	36.5	8.7							33.1		
GBW 07239 (NCS DC 70007) Cert					37.4			11540.000	1100		29.8	20.9	26.1	7.40							33.2		
OREAS 131a (Fusion) Meas													> 5000			5.17	49						
OREAS 131a (Fusion) Cert													17400.00			4.82	49						
OREAS 131a (Fusion) Meas													> 5000			4.95	47						
OREAS 131a (Fusion) Cert													17400.00			4.82	49						
OREAS 131a (Fusion) Meas													> 5000			4.73	46						
OREAS 131a													17400.			4.82	49						

Analyte Symbol	Ho	Hf	In	K	La	Li	Mg	Mn	Mo	Nb	Nd	Ni	Pb	Pr	Rb	S	Sb	Se	Si	Sm	Sn	Sr	Ta
Unit Symbol	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
Lower Limit	0.2	10	0.2	0.1	0.4	3	0.01	3	1	2.4	0.4	10	0.8	0.1	0.4	0.01	2	0.8	0.01	0.1	0.5	3	0.2
Method Code	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
(Fusion) Cert													00										
OREAS 131a (Fusion) Meas													> 5000			4.59	46						
OREAS 131a (Fusion) Cert													17400.00			4.82	49						
OREAS 131a (Fusion) Meas													> 5000			4.71	48						
OREAS 131a (Fusion) Cert													17400.00			4.82	49						
MP-1b Meas			568				< 0.01		287				> 5000			15.5	49		17.5		> 10000		
MP-1b Cert			565.0000				0.024		285				20900			13.79	54.0		16.79		16100		
MP-1b Meas			564				< 0.01		304				> 5000			14.6	49		16.2		> 10000		
MP-1b Cert			565.0000				0.024		285				20900			13.79	54.0		16.79		16100		
MP-1b Meas			559				0.02		289				> 5000			13.8	49		16.9		> 10000		
MP-1b Cert			565.0000				0.024		285				20900			13.79	54.0		16.79		16100		
MP-1b Meas			566				0.03		302				> 5000			13.4	50		16.7		> 10000		
MP-1b Cert			565.0000				0.024		285				20900			13.79	54.0		16.79		16100		
MP-1b Meas			577				0.02		316				> 5000			13.6	56		16.6		> 10000		
MP-1b Cert			565.0000				0.024		285				20900			13.79	54.0		16.79		16100		
MP-1b Meas			554				0.02		317				> 5000			13.9	53		17.2		> 10000		
MP-1b Cert			565.0000				0.024		285				20900			13.79	54.0		16.79		16100		
OREAS 101a (Fusion) Meas	6.4			2.5	700		1.30	890	19		378		6.6	125						46.4			
OREAS 101a (Fusion) Cert	6.46			2.34	816		1.23	964	21.9		403		19	134						48.8			
OREAS 101a (Fusion) Meas	6.8			2.2	804		1.20	958	20		427		8.1	143						51.8			
OREAS 101a (Fusion) Cert	6.46			2.34	816		1.23	964	21.9		403		19	134						48.8			
OREAS 101a (Fusion) Meas	6.7			2.3	777		1.22	855	19		408		9.7	134						50.2			
OREAS 101a (Fusion) Cert	6.46			2.34	816		1.23	964	21.9		403		19	134						48.8			
OREAS 101a (Fusion) Meas	6.3			2.2	762		1.22	898	18		388		4.5	128						45.9			
OREAS 101a (Fusion) Cert	6.46			2.34	816		1.23	964	21.9		403		19	134						48.8			
OREAS 101a (Fusion) Meas	6.7			2.3	825		1.23	940	20		423		6.6	139						49.9			

Analyte Symbol	Ho	Hf	In	K	La	Li	Mg	Mn	Mo	Nb	Nd	Ni	Pb	Pr	Rb	S	Sb	Se	Si	Sm	Sn	Sr	Ta
Unit Symbol	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
Lower Limit	0.2	10	0.2	0.1	0.4	3	0.01	3	1	2.4	0.4	10	0.8	0.1	0.4	0.01	2	0.8	0.01	0.1	0.5	3	0.2
Method Code	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
OREAS 101a (Fusion) Cert	6.46			2.34	816		1.23	964	21.9		403		19	134						48.8			
OREAS 13b (fusion) Meas				2.4			3.11									1.32			22.6				
OREAS 13b (fusion) Cert				2.30			3.01									1.19			22.9				
OREAS 13b (fusion) Meas				2.2			2.99									1.25			22.3				
OREAS 13b (fusion) Cert				2.30			3.01									1.19			22.9				
OREAS 13b (fusion) Meas				2.4			3.14									1.24			23.9				
OREAS 13b (fusion) Cert				2.30			3.01									1.19			22.9				
OREAS 13b (fusion) Meas				2.3			3.06									1.20			23.6				
OREAS 13b (fusion) Cert				2.30			3.01									1.19			22.9				
OREAS 13b (fusion) Meas				2.3			3.04									1.19			22.9				
OREAS 13b (fusion) Cert				2.30			3.01									1.19			22.9				
NCS DC86303 Meas						2150									1260								
NCS DC86303 Cert						2100.00									1330								
NCS DC86303 Meas						2110									1310								
NCS DC86303 Cert						2100.00									1330								
NCS DC86303 Meas						2080									1310								
NCS DC86303 Cert						2100.00									1330								
NCS DC86303 Meas						2010									1380								
NCS DC86303 Cert						2100.00									1330								
NCS DC86314 Meas						> 10000									> 5000						153		
NCS DC86314 Cert						18100.00									11400						152		
NCS DC86314 Meas						> 10000									> 5000						149		
NCS DC86314 Cert						18100.00									11400						152		

Analyte Symbol	Ho	Hf	In	K	La	Li	Mg	Mn	Mo	Nb	Nd	Ni	Pb	Pr	Rb	S	Sb	Se	Si	Sm	Sn	Sr	Ta
Unit Symbol	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
Lower Limit	0.2	10	0.2	0.1	0.4	3	0.01	3	1	2.4	0.4	10	0.8	0.1	0.4	0.01	2	0.8	0.01	0.1	0.5	3	0.2
Method Code	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
NCS DC86314 Meas						> 10000									> 5000						149		
NCS DC86314 Cert						18100.00									11400						152		
NCS DC86314 Meas						> 10000									> 5000						158		
NCS DC86314 Cert						18100.00									11400						152		
OREAS 922 (Peroxide Fusion) Meas	1.1	< 10	0.2	2.7	39.3	32	1.69	789		11.9	35.7	40	61.7	9.6	157	0.43			> 30.0	6.6	10.9	57	0.9
OREAS 922 (Peroxide Fusion) Cert	1.20	5.93	0.3	2.60	45.6	29	1.61	880		15.2	38.9	40	64.0	10.6	167	0.389			30.51	7.31	10.0	58.0	1
OREAS 922 (Peroxide Fusion) Meas	1.1	< 10	0.3	2.6	43.3	30	1.64	824		12.5	37.7	40	62.9	10.4	169	0.37			> 30.0	7.2	10.3	62	0.9
OREAS 922 (Peroxide Fusion) Cert	1.20	5.93	0.3	2.60	45.6	29	1.61	880		15.2	38.9	40	64.0	10.6	167	0.389			30.51	7.31	10.0	58.0	1
OREAS 922 (Peroxide Fusion) Meas	1.1	< 10	0.3	2.6	42.1	33	1.64	796		9.4	36.8	10	61.6	10.2	161	0.39			> 30.0	7.2	10.7	58	0.7
OREAS 922 (Peroxide Fusion) Cert	1.20	5.93	0.3	2.60	45.6	29	1.61	880		15.2	38.9	40	64.0	10.6	167	0.389			30.51	7.31	10.0	58.0	1
OREAS 922 (Peroxide Fusion) Meas	1.0	< 10	0.3	2.7	41.5	31	1.70	801		12.9	37.0	30	56.9	9.8	154	0.39			> 30.0	6.5	9.6	52	1.0
OREAS 922 (Peroxide Fusion) Cert	1.20	5.93	0.3	2.60	45.6	29	1.61	880		15.2	38.9	40	64.0	10.6	167	0.389			30.51	7.31	10	58.0	1.3
OREAS 621 (Peroxide Fusion) Meas			2.2	2.3	24.0		0.48	506	13	6.7	20.4		> 5000	5.5	78.6	5.13	136		28.9			85	
OREAS 621 (Peroxide Fusion) Cert			1.9	2.23	26.1		0.516	554	14	10.4	24.2		13300	6.64	89.0	4.51	146		28.1			101	
OREAS 621 (Peroxide Fusion) Meas			2.1	2.2	28.9		0.51	571	15	8.6	24.7		> 5000	6.6	90.5	4.57	142		27.7			108	
OREAS 621 (Peroxide Fusion) Cert			1.9	2.23	26.1		0.516	554	14	10.4	24.2		13300	6.64	89.0	4.51	146		28.1			101	
OREAS 621 (Peroxide Fusion) Meas			1.8	2.2	27.7		0.51	490	13	5.2	24.5		> 5000	6.5	82.5	4.53	143		27.8			99	

Analyte Symbol	Ho	Hf	In	K	La	Li	Mg	Mn	Mo	Nb	Nd	Ni	Pb	Pr	Rb	S	Sb	Se	Si	Sm	Sn	Sr	Ta
Unit Symbol	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
Lower Limit	0.2	10	0.2	0.1	0.4	3	0.01	3	1	2.4	0.4	10	0.8	0.1	0.4	0.01	2	0.8	0.01	0.1	0.5	3	0.2
Method Code	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
OREAS 621 (Peroxide Fusion) Cert			1.9	2.23	26.1		0.516	554	14	10.4	24.2		13300	6.64	89.0	4.51	146		28.1			101	
OREAS 621 (Peroxide Fusion) Meas			1.8	2.2	30.1		0.53	608	14	9.6	24.4		> 5000	6.6	90.2	4.59	148		28.1			105	
OREAS 621 (Peroxide Fusion) Cert			1.9	2.23	26.1		0.516	554	14	10.4	24.2		13300	6.64	89.0	4.51	146		28.1			101	
OREAS 621 (Peroxide Fusion) Meas				2.2			0.52									4.72			29.1				
OREAS 621 (Peroxide Fusion) Cert				2.23			0.516									4.51			28.1				
109431 Orig	0.9	< 10	< 0.2	0.2	5.0	157	3.46	1600	< 1	< 2.4	8.5	80	< 0.8	1.6	35.0	0.06	< 2	2.1	24.7	2.3	< 0.5	113	< 0.2
109431 Dup	0.8	< 10	< 0.2	0.3	4.9	156	3.41	1590	< 1	2.5	8.7	80	< 0.8	1.7	35.9	0.06	2	1.6	23.9	2.4	0.7	116	< 0.2
109443 Orig	1.1	< 10	< 0.2	0.8	3.5	3420	4.23	2050	< 1	2.5	6.5	40	1.3	1.4	481	0.16	< 2	3.6	23.9	2.2	5.2	55	< 0.2
109443 Dup	1.1	< 10	< 0.2	0.8	3.5	3370	4.20	2100	< 1	2.5	7.0	40	1.5	1.4	480	0.14	< 2	2.0	23.4	2.3	5.0	56	< 0.2
109451 Orig	1.4	< 10	< 0.2	0.2	7.9	263	2.28	2560	< 1	4.9	13.7	30	0.9	2.8	9.2	0.67	< 2	3.0	24.3	3.9	0.6	81	0.2
109451 Dup	1.4	< 10	< 0.2	0.3	8.0	255	2.33	2570	< 1	5.1	14.5	20	< 0.8	3.0	8.4	0.68	< 2	4.1	24.5	4.1	0.6	85	0.3
109465 Orig	< 0.2	< 10	< 0.2	2.4	< 0.4	8290	0.02	338	6	92.4	< 0.4	< 10	1.0	< 0.1	1710	< 0.01	< 2	1.8	> 30.0	< 0.1	123	23	129
109465 Dup	< 0.2	< 10	< 0.2	2.3	< 0.4	8360	0.01	346	5	88.2	< 0.4	< 10	< 0.8	< 0.1	1680	< 0.01	< 2	2.5	> 30.0	< 0.1	118	23	121
109473 Orig	1.1	< 10	< 0.2	1.1	6.5	743	0.41	2970	< 1	31.6	14.2	< 10	< 0.8	2.7	1930	0.14	< 2	2.5	26.6	4.1	72.0	133	49.0
109473 Dup	1.1	< 10	< 0.2	1.1	6.5	745	0.41	2970	< 1	30.0	13.7	< 10	< 0.8	2.7	1910	0.14	< 2	1.4	26.3	4.0	70.6	132	49.3
109480 Orig	< 0.2	< 10	< 0.2	< 0.1	< 0.4	5	1.73	25	< 1	< 2.4	< 0.4	< 10	< 0.8	< 0.1	0.8	0.12	< 2	2.7	0.46	< 0.1	< 0.5	4090	< 0.2
109480 Split PREP DUP	< 0.2	< 10	< 0.2	< 0.1	< 0.4	< 3	1.71	20	< 1	< 2.4	< 0.4	< 10	< 0.8	< 0.1	< 0.4	0.13	< 2	< 0.8	0.17	< 0.1	< 0.5	3520	< 0.2
109486 Orig	1.0	< 10	< 0.2	0.9	5.8	4270	3.40	1840	< 1	3.8	12.0	50	< 0.8	2.4	487	0.20	< 2	0.9	22.5	3.4	3.1	123	< 0.2
109486 Dup	1.0	< 10	< 0.2	0.9	5.9	4240	3.40	1850	< 1	3.7	11.6	50	< 0.8	2.4	488	0.19	< 2	1.4	22.4	3.4	3.1	125	< 0.2
109494 Orig	< 0.2	< 10	< 0.2	1.4	0.4	1130	0.01	630	12	90.5	0.4	< 10	< 0.8	< 0.1	1060	0.02	< 2	< 0.8	> 30.0	0.1	185	14	101
109494 Dup	< 0.2	< 10	< 0.2	1.4	0.4	1110	0.01	645	13	84.3	0.4	< 10	< 0.8	< 0.1	1070	0.01	< 2	0.8	> 30.0	< 0.1	203	15	89.1
108460 Orig	0.8	< 10	< 0.2	0.2	3.2	630	4.26	1490	< 1	< 2.4	6.7	70	< 0.8	1.3	11.9	0.03	< 2	< 0.8	22.5	2.0	< 0.5	131	< 0.2
108460 Dup	0.7	< 10	< 0.2	0.2	3.2	619	4.21	1490	< 1	< 2.4	6.4	60	< 0.8	1.3	12.0	0.03	< 2	< 0.8	22.5	1.9	< 0.5	133	< 0.2
108468 Orig	0.7	< 10	< 0.2	0.1	3.4	448	3.60	1600	< 1	< 2.4	6.7	70	< 0.8	1.3	16.2	0.10	< 2	1.9	23.4	2.0	< 0.5	60	< 0.2
108468 Dup	0.8	< 10	< 0.2	0.1	3.4	437	3.56	1580	< 1	< 2.4	6.8	60	< 0.8	1.4	16.2	0.09	< 2	1.5	22.7	1.9	< 0.5	58	< 0.2
108482 Orig	1.2	< 10	< 0.2	0.3	6.8	1350	3.34	1680	< 1	< 2.4	14.3	30	1.9	2.9	11.2	0.37	< 2	2.8	21.3	4.4	0.8	204	< 0.2
108482 Split PREP DUP	1.2	< 10	< 0.2	0.3	6.8	1380	3.31	1670	< 1	< 2.4	14.4	40	2.1	2.9	12.8	0.38	< 2	2.8	21.4	4.2	1.3	210	< 0.2
108490 Orig	0.8	< 10	< 0.2	0.2	3.4	139	4.50	1490	< 1	< 2.4	7.5	70	3.1	1.5	5.0	0.04	< 2	2.1	22.4	2.4	< 0.5	135	< 0.2
108490 Dup	0.8	< 10	< 0.2	0.2	3.4	137	4.51	1490	< 1	< 2.4	7.4	70	3.9	1.5	5.3	0.03	< 2	1.8	22.6	2.3	< 0.5	137	< 0.2
108554 Orig	< 0.2	< 10	< 0.2	2.2	0.6	1020	0.05	192	4	54.3	0.5	< 10	12.8	0.1	1680	< 0.01	< 2	1.1	> 30.0	0.1	23.9	87	36.1
108554 Dup	< 0.2	< 10	< 0.2	2.2	0.6	1050	0.05	195	< 1	52.6	0.7	< 10	12.8	0.1	1680	< 0.01	< 2	0.9	> 30.0	0.1	18.9	90	36.3

Analyte Symbol	Ho	Hf	In	K	La	Li	Mg	Mn	Mo	Nb	Nd	Ni	Pb	Pr	Rb	S	Sb	Se	Si	Sm	Sn	Sr	Ta
Unit Symbol	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
Lower Limit	0.2	10	0.2	0.1	0.4	3	0.01	3	1	2.4	0.4	10	0.8	0.1	0.4	0.01	2	0.8	0.01	0.1	0.5	3	0.2
Method Code	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
108562 Orig	< 0.2	< 10	< 0.2	0.9	1.3	1950	0.27	399	1	98.9	1.9	< 10	6.2	0.4	557	0.02	< 2	< 0.8	> 30.0	0.4	67.5	87	64.4
108562 Dup	< 0.2	< 10	< 0.2	0.9	1.3	2000	0.27	388	< 1	91.4	2.1	< 10	6.0	0.4	546	0.03	< 2	1.6	> 30.0	0.5	66.6	88	63.1
108571 Orig	1.5	< 10	< 0.2	0.4	8.7	730	2.43	1700	< 1	2.6	17.0	< 10	2.8	3.4	18.1	0.16	< 2	3.0	24.3	4.9	0.5	120	< 0.2
108571 Dup	1.5	< 10	< 0.2	0.4	9.0	714	2.38	1700	< 1	2.7	17.5	< 10	2.9	3.6	18.2	0.17	< 2	< 0.8	24.1	5.1	< 0.5	120	< 0.2
Method Blank	< 0.2	< 10	< 0.2	< 0.1	< 0.4	< 3	< 0.01	< 3	< 1	< 2.4	< 0.4	10	3.8	< 0.1	< 0.4	< 0.01	< 2	9.0	0.06	< 0.1	< 0.5	< 3	< 0.2
Method Blank	< 0.2	< 10	< 0.2	< 0.1	< 0.4	< 3	< 0.01	< 3	< 1	< 2.4	< 0.4	< 10	2.1	< 0.1	< 0.4	< 0.01	15	1.9	< 0.01	< 0.1	< 0.5	< 3	< 0.2
Method Blank	< 0.2	< 10	< 0.2	< 0.1	< 0.4	< 3	< 0.01	< 3	< 1	< 2.4	< 0.4	< 10	< 0.8	< 0.1	< 0.4	< 0.01	< 2	1.6	< 0.01	< 0.1	3.0	< 3	< 0.2
Method Blank	< 0.2	< 10	< 0.2	< 0.1	< 0.4	< 3	< 0.01	< 3	< 1	< 2.4	< 0.4	< 10	< 0.8	< 0.1	< 0.4	< 0.01	< 2	< 0.8	< 0.01	< 0.1	< 0.5	< 3	< 0.2
Method Blank	< 0.2	< 10	< 0.2	< 0.1	< 0.4	< 3	< 0.01	< 3	< 1	< 2.4	< 0.4	< 10	< 0.8	< 0.1	0.5	< 0.01	5	< 0.8	< 0.01	< 0.1	< 0.5	< 3	< 0.2
Method Blank				< 0.1			< 0.01									< 0.01			< 0.01				
Method Blank	< 0.2	< 10	< 0.2	< 0.1	< 0.4	< 3	< 0.01	< 3	< 1	< 2.4	< 0.4	< 10	4.0	< 0.1	< 0.4	< 0.01	< 2	3.7	< 0.01	< 0.1	< 0.5	< 3	< 0.2
Method Blank	< 0.2	< 10	< 0.2	< 0.1	< 0.4	< 3	< 0.01	< 3	1	< 2.4	< 0.4	< 10	< 0.8	< 0.1	< 0.4	< 0.01	< 2	< 0.8	< 0.01	< 0.1	< 0.5	< 3	< 0.2
Method Blank	< 0.2	< 10	< 0.2	< 0.1	< 0.4	< 3	< 0.01	7	< 1	< 2.4	< 0.4	< 10	< 0.8	< 0.1	< 0.4	0.01	< 2	1.8	0.01	< 0.1	0.5	3	< 0.2
Method Blank	< 0.2	< 10	< 0.2	< 0.1	< 0.4	< 3	< 0.01	< 3	< 1	< 2.4	< 0.4	< 10	< 0.8	< 0.1	< 0.4	< 0.01	< 2	< 0.8	< 0.01	< 0.1	< 0.5	< 3	< 0.2
Method Blank	< 0.2	< 10	< 0.2	< 0.1	< 0.4	< 3	< 0.01	< 3	< 1	< 2.4	< 0.4	70	< 0.8	< 0.1	< 0.4	< 0.01	< 2	< 0.8	< 0.01	< 0.1	< 0.5	< 3	< 0.2
Method Blank	< 0.2	< 10	< 0.2	< 0.1	< 0.4	< 3	< 0.01	< 3	< 1	< 2.4	< 0.4	10	< 0.8	< 0.1	< 0.4	< 0.01	< 2	1.1	< 0.01	< 0.1	< 0.5	< 3	< 0.2
Method Blank	< 0.2	< 10	< 0.2	< 0.1	< 0.4	< 3	< 0.01	< 3	< 1	< 2.4	< 0.4	10	< 0.8	< 0.1	< 0.4	< 0.01	< 2	< 0.8	< 0.01	< 0.1	< 0.5	< 3	< 0.2
Method Blank	< 0.2	10	< 0.2	< 0.1	< 0.4	< 3	< 0.01	< 3	< 1	< 2.4	< 0.4	< 10	1.6	< 0.1	1.2	< 0.01	< 2	< 0.8	< 0.01	< 0.1	< 0.5	< 3	< 0.2
Method Blank																							

Analyte Symbol	Tb	Te	Th	Ti	Tl	Tm	U	V	W	Y	Yb	Zn
Unit Symbol	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	6	0.1	0.01	0.1	0.1	0.1	5	0.7	0.1	0.1	30
Method Code	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
GXR-1 Meas	0.8	13	2.5	0.03	0.4	0.4	36.0	83	188	30.1	2.2	790
GXR-1 Cert	0.830	13.0	2.44	0.036	0.390	0.430	34.9	80.0	164	32.0	1.90	760
GXR-1 Meas	0.8	12	2.4	0.03	0.3	0.4	34.4	83	179	29.2	2.0	760
GXR-1 Cert	0.830	13.0	2.44	0.036	0.390	0.430	34.9	80.0	164	32.0	1.90	760
GXR-1 Meas				0.03								
GXR-1 Cert				0.036								
GXR-1 Meas				0.03								
GXR-1 Cert				0.036								
GXR-1 Meas				0.03								
GXR-1 Cert				0.036								
NIST 696 Meas								372				
NIST 696 Cert								403.0000				
NIST 696 Meas								393				
NIST 696 Cert								403.0000				
NIST 696 Meas								381				
NIST 696 Cert								403.0000				
NIST 696 Meas								365				
NIST 696 Cert								403.0000				
NIST 696 Meas								379				
NIST 696 Cert								403.0000				
GBW 07239 (NCS DC 70007) Meas									1020	37.2		120
GBW 07239 (NCS DC 70007) Cert									1000.00	34.2		120.000
GBW 07239 (NCS DC 70007) Meas									996	36.9		120
GBW 07239 (NCS DC 70007) Cert									1000.00	34.2		120.000
GBW 07239 (NCS DC 70007) Meas									1050	39.0		140
GBW 07239 (NCS DC 70007) Cert									1000.00	34.2		120.000
OREAS 131a (Fusion) Meas												> 10000
OREAS 131a (Fusion) Cert												28400.00
OREAS 131a (Fusion) Meas												> 10000
OREAS 131a												28400.

Analyte Symbol	Tb	Te	Th	Ti	Tl	Tm	U	V	W	Y	Yb	Zn
Unit Symbol	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	6	0.1	0.01	0.1	0.1	0.1	5	0.7	0.1	0.1	30
Method Code	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
(Fusion) Cert												00
OREAS 131a (Fusion) Meas												> 10000
OREAS 131a (Fusion) Cert												28400.00
OREAS 131a (Fusion) Meas												> 10000
OREAS 131a (Fusion) Cert												28400.00
OREAS 131a (Fusion) Meas												> 10000
OREAS 131a (Fusion) Cert												28400.00
MP-1b Meas									1100			> 10000
MP-1b Cert									1100.000			166700.00
MP-1b Meas									1080			> 10000
MP-1b Cert									1100.000			166700.00
MP-1b Meas									1030			> 10000
MP-1b Cert									1100.000			166700.00
MP-1b Meas									1120			> 10000
MP-1b Cert									1100.000			166700.00
MP-1b Meas									1200			> 10000
MP-1b Cert									1100.000			166700.00
MP-1b Meas									1120			> 10000
MP-1b Cert									1100.000			166700.00
OREAS 101a (Fusion) Meas	5.8		34.5	0.41		2.8	430	82		172	17.1	
OREAS 101a (Fusion) Cert	5.92		36.6	0.395		2.90	422	83		183	17.5	
OREAS 101a (Fusion) Meas	6.3		37.2	0.41		3.0	457	80		198	18.0	
OREAS 101a (Fusion) Cert	5.92		36.6	0.395		2.90	422	83		183	17.5	
OREAS 101a (Fusion) Meas	6.1		37.4	0.40		2.9	461	83		180	17.6	
OREAS 101a (Fusion) Cert	5.92		36.6	0.395		2.90	422	83		183	17.5	
OREAS 101a (Fusion) Meas	5.5		34.1	0.41		2.8	421	76		172	15.9	

Analyte Symbol	Tb	Te	Th	Ti	Tl	Tm	U	V	W	Y	Yb	Zn
Unit Symbol	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	6	0.1	0.01	0.1	0.1	0.1	5	0.7	0.1	0.1	30
Method Code	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
OREAS 101a (Fusion) Cert	5.92		36.6	0.395		2.90	422	83		183	17.5	
OREAS 101a (Fusion) Meas	5.9		36.6	0.41		3.0	456	75		183	17.1	
OREAS 101a (Fusion) Cert	5.92		36.6	0.395		2.90	422	83		183	17.5	
OREAS 13b (fusion) Meas				0.73								
OREAS 13b (fusion) Cert				0.711								
OREAS 13b (fusion) Meas				0.73								
OREAS 13b (fusion) Cert				0.711								
OREAS 13b (fusion) Meas				0.73								
OREAS 13b (fusion) Cert				0.711								
OREAS 13b (fusion) Meas				0.72								
OREAS 13b (fusion) Cert				0.711								
OREAS 13b (fusion) Meas				0.71								
OREAS 13b (fusion) Cert				0.711								
NCS DC86303 Meas									7.0			
NCS DC86303 Cert									8.9			
NCS DC86303 Meas									9.6			
NCS DC86303 Cert									8.9			
NCS DC86303 Meas									7.9			
NCS DC86303 Cert									8.9			
NCS DC86303 Meas									8.5			
NCS DC86303 Cert									8.9			
NCS DC86314 Meas									67.6			
NCS DC86314 Cert									79.0			

Analyte Symbol	Tb	Te	Th	Ti	Tl	Tm	U	V	W	Y	Yb	Zn
Unit Symbol	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	6	0.1	0.01	0.1	0.1	0.1	5	0.7	0.1	0.1	30
Method Code	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
NCS DC86314 Meas									70.0			
NCS DC86314 Cert									79.0			
NCS DC86314 Meas									71.9			
NCS DC86314 Cert									79.0			
NCS DC86314 Meas									74.8			
NCS DC86314 Cert									79.0			
OREAS 922 (Peroxide Fusion) Meas	1.0		17.4	0.46	0.9	0.4	3.4	96		29.5	2.6	300
OREAS 922 (Peroxide Fusion) Cert	1.02		17.7	0.439	0.9	0.510	3.6	92.0		31.1	3.17	280
OREAS 922 (Peroxide Fusion) Meas	1.1		17.7	0.44	1.0	0.5	3.5	93		32.8	2.9	270
OREAS 922 (Peroxide Fusion) Cert	1.02		17.7	0.439	0.9	0.510	3.6	92.0		31.1	3.17	280
OREAS 922 (Peroxide Fusion) Meas	1.0		17.4	0.45	0.8	0.5	3.4	100		30.4	3.0	260
OREAS 922 (Peroxide Fusion) Cert	1.02		17.7	0.439	0.9	0.510	3.6	92.0		31.1	3.17	280
OREAS 922 (Peroxide Fusion) Meas	1.0		16.3	0.45	0.8	0.5	3.2	91		30.1	2.7	260
OREAS 922 (Peroxide Fusion) Cert	1.02		17.7	0.439	0.9	0.510	3.6	92.0		31.1	3.17	280
OREAS 621 (Peroxide Fusion) Meas			8.2	0.19	2.1		2.6	37	< 0.7	12.5	0.9	> 10000
OREAS 621 (Peroxide Fusion) Cert			8.6	0.181	2.0		3.0	36.3	3	13.9	1.03	52200
OREAS 621 (Peroxide Fusion) Meas			8.8	0.19	2.3		3.0	35	1.2	14.7	1.1	> 10000
OREAS 621 (Peroxide Fusion)			8.6	0.181	2.0		3.0	36.3	2.6	13.9	1.03	52200

Analyte Symbol	Tb	Te	Th	Ti	Tl	Tm	U	V	W	Y	Yb	Zn
Unit Symbol	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	6	0.1	0.01	0.1	0.1	0.1	5	0.7	0.1	0.1	30
Method Code	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
Cert												
OREAS 621 (Peroxide Fusion) Meas			8.7	0.18	2.0		2.8	37	1.3	13.2	1.1	> 10000
OREAS 621 (Peroxide Fusion) Cert			8.6	0.181	2.0		3.0	36.3	2.6	13.9	1.03	52200
OREAS 621 (Peroxide Fusion) Meas			8.8	0.20	2.1		2.9	36	2.5	14.3	1.1	> 10000
OREAS 621 (Peroxide Fusion) Cert			8.6	0.181	2.0		3.0	36.3	2.6	13.9	1.03	52200
OREAS 621 (Peroxide Fusion) Meas				0.20								
OREAS 621 (Peroxide Fusion) Cert				0.181								
109431 Orig	0.6	< 6	0.3	0.57	0.2	0.4	< 0.1	278	< 0.7	23.6	2.2	110
109431 Dup	0.6	< 6	0.3	0.57	0.2	0.4	< 0.1	275	< 0.7	23.5	2.3	110
109443 Orig	0.7	< 6	0.3	0.58	5.0	0.5	1.9	335	< 0.7	29.8	3.1	140
109443 Dup	0.7	< 6	0.3	0.57	5.1	0.5	2.2	336	< 0.7	30.0	3.1	130
109451 Orig	1.0	< 6	0.7	1.04	< 0.1	0.6	< 0.1	380	< 0.7	36.5	3.8	140
109451 Dup	1.0	< 6	0.8	1.05	< 0.1	0.7	< 0.1	374	< 0.7	36.6	3.9	140
109465 Orig	< 0.1	< 6	2.1	< 0.01	13.1	< 0.1	5.5	< 5	< 0.7	< 0.1	< 0.1	180
109465 Dup	< 0.1	< 6	2.1	< 0.01	13.2	< 0.1	5.7	< 5	1.0	< 0.1	< 0.1	180
109473 Orig	1.0	< 6	1.8	0.36	16.3	0.5	5.6	10	< 0.7	30.9	2.8	290
109473 Dup	0.9	< 6	1.8	0.36	16.2	0.5	5.6	9	< 0.7	30.3	2.8	280
109480 Orig	< 0.1	< 6	< 0.1	< 0.01	< 0.1	< 0.1	1.6	< 5	< 0.7	< 0.1	< 0.1	< 30
109480 Split PREP DUP	< 0.1	< 6	< 0.1	< 0.01	< 0.1	< 0.1	1.4	< 5	0.8	< 0.1	< 0.1	< 30
109486 Orig	0.9	< 6	0.5	1.13	4.8	0.4	< 0.1	355	< 0.7	26.7	2.5	130
109486 Dup	0.8	< 6	0.5	1.15	4.8	0.4	< 0.1	354	< 0.7	26.7	2.5	130
109494 Orig	< 0.1	< 6	2.4	< 0.01	7.4	< 0.1	8.9	< 5	0.9	0.5	< 0.1	210
109494 Dup	< 0.1	< 6	2.5	< 0.01	7.4	< 0.1	9.0	< 5	< 0.7	0.5	< 0.1	220
108460 Orig	0.6	< 6	0.2	0.55	0.2	0.3	< 0.1	275	< 0.7	20.0	2.0	90
108460 Dup	0.5	< 6	0.2	0.54	0.2	0.3	< 0.1	267	< 0.7	20.1	2.0	90
108468 Orig	0.5	< 6	0.2	0.55	0.2	0.3	< 0.1	279	< 0.7	20.4	2.1	90
108468 Dup	0.5	< 6	0.2	0.55	0.2	0.4	< 0.1	274	< 0.7	20.0	2.0	90
108482 Orig	1.0	< 6	0.6	1.19	0.1	0.5	< 0.1	370	< 0.7	30.8	3.0	140
108482 Split PREP DUP	1.0	< 6	0.7	1.18	0.1	0.5	< 0.1	373	< 0.7	31.2	3.0	130
108490 Orig	0.6	< 6	0.2	0.57	< 0.1	0.4	< 0.1	275	< 0.7	21.1	2.3	90

Analyte Symbol	Tb	Te	Th	Ti	Tl	Tm	U	V	W	Y	Yb	Zn
Unit Symbol	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	6	0.1	0.01	0.1	0.1	0.1	5	0.7	0.1	0.1	30
Method Code	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
108490 Dup	0.6	< 6	0.2	0.56	< 0.1	0.4	< 0.1	281	< 0.7	21.4	2.3	100
108554 Orig	< 0.1	< 6	2.5	0.03	13.1	< 0.1	23.6	9	1.6	0.5	< 0.1	80
108554 Dup	< 0.1	< 6	2.8	0.03	13.5	< 0.1	25.5	7	0.9	0.5	< 0.1	80
108562 Orig	< 0.1	< 6	2.3	0.12	3.8	< 0.1	18.1	24	< 0.7	3.1	0.3	130
108562 Dup	< 0.1	< 6	2.6	0.13	3.9	< 0.1	19.0	25	< 0.7	3.1	0.3	120
108571 Orig	1.2	< 6	0.9	1.31	0.2	0.7	< 0.1	208	< 0.7	40.5	4.2	120
108571 Dup	1.2	< 6	0.9	1.28	0.2	0.7	< 0.1	208	< 0.7	40.3	4.3	120
Method Blank	< 0.1	< 6	< 0.1	< 0.01	< 0.1	< 0.1	0.1	< 5	< 0.7	< 0.1	< 0.1	< 30
Method Blank	< 0.1	< 6	< 0.1	< 0.01	< 0.1	< 0.1	< 0.1	< 5	< 0.7	< 0.1	< 0.1	< 30
Method Blank	< 0.1	< 6	< 0.1	< 0.01	< 0.1	< 0.1	< 0.1	< 5	< 0.7	< 0.1	< 0.1	< 30
Method Blank	< 0.1	< 6	< 0.1	< 0.01	< 0.1	< 0.1	< 0.1	< 5	< 0.7	< 0.1	< 0.1	< 30
Method Blank	< 0.1	< 6	< 0.1	< 0.01	< 0.1	< 0.1	< 0.1	< 5	< 0.7	< 0.1	< 0.1	< 30
Method Blank				< 0.01								
Method Blank	< 0.1	< 6	< 0.1	< 0.01	< 0.1	< 0.1	0.1	< 5	< 0.7	< 0.1	< 0.1	< 30
Method Blank	< 0.1	< 6	< 0.1	< 0.01	< 0.1	< 0.1	< 0.1	< 5	< 0.7	< 0.1	< 0.1	< 30
Method Blank	< 0.1	< 6	< 0.1	< 0.01	< 0.1	< 0.1	< 0.1	< 5	< 0.7	< 0.1	< 0.1	< 30
Method Blank	< 0.1	< 6	< 0.1	< 0.01	< 0.1	< 0.1	< 0.1	< 5	< 0.7	< 0.1	< 0.1	< 30
Method Blank	< 0.1	< 6	< 0.1	< 0.01	< 0.1	< 0.1	0.2	< 5	< 0.7	< 0.1	< 0.1	< 30
Method Blank	< 0.1	< 6	< 0.1	< 0.01	< 0.1	< 0.1	< 0.1	< 5	< 0.7	< 0.1	< 0.1	< 30
Method Blank	< 0.1	< 6	< 0.1	< 0.01	< 0.1	< 0.1	< 0.1	< 5	< 0.7	< 0.1	< 0.1	< 30
Method Blank	< 0.1	< 6	< 0.1	< 0.01	< 0.1	< 0.1	0.3	< 5	< 0.7	< 0.1	< 0.1	< 30
Method Blank												

Quality Analysis ... *Innovative Technologies*

Date Submitted: 07-Mar-17
Invoice No.: A17-02165
Invoice Date: 31-Mar-17
Your Reference: Mavis-Fairservice

Coast Mountain Geological- MF
488-625 Howe Street
Vancouver BC V6C 2T6
Canada

ATTN: Mike Seb

CERTIFICATE OF ANALYSIS

146 Core samples were submitted for analysis.

The following analytical package(s) were requested: Code UT-7 Sodium Peroxide Fusion (ICP & ICPMS)

REPORT **A17-02165**

Notes:

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

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Analyte Symbol	Li	Li2O	Rb	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	Fe	Ga	Gd	Ge
Unit Symbol	%	%	%	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
Lower Limit	0.01	0.01	0.01	0.01	5	10	3	3	2	0.01	2	0.8	0.2	30	0.1	2	0.3	0.1	0.1	0.05	0.2	0.1	0.7
Method Code	FUS-Na2O2	FUS-Na2O2	FUS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
109285				7.94	< 5	10	42	< 3	< 2	7.03	< 2	17.5	67.4	130	1.9	123	5.0	3.0	1.3	11.9	24.9	5.0	< 0.7
109286				6.73	< 5	20	137	5	< 2	4.90	< 2	30.7	41.9	< 30	33.5	116	9.7	6.1	2.3	12.7	28.6	9.5	< 0.7
109287				7.09	< 5	20	131	< 3	< 2	4.79	< 2	25.6	48.3	160	84.2	100	8.1	5.1	2.0	12.9	25.8	8.3	< 0.7
109288				7.37	< 5	320	36	275	7	0.20	< 2	3.3	1.3	< 30	168	12	< 0.3	0.1	0.1	0.61	67.1	0.4	4.6
109289				6.90	< 5	100	77	< 3	< 2	5.83	< 2	22.7	55.2	< 30	14.9	134	7.5	4.8	1.8	13.4	28.6	7.5	< 0.7
109290				7.57	6	20	36	< 3	< 2	6.37	< 2	20.3	65.6	100	1.0	171	5.7	3.5	1.5	12.4	27.0	6.1	< 0.7
109291				8.07	9	10	26	< 3	< 2	8.00	< 2	10.1	60.3	210	2.0	136	3.8	2.6	0.8	8.94	18.4	3.2	< 0.7
109292				9.32	7	140	16	24	< 2	10.5	< 2	8.8	38.7	120	8.6	117	2.7	2.0	0.8	7.73	30.0	2.2	< 0.7
109293				8.26	< 5	130	17	187	34	0.33	< 2	< 0.8	0.6	< 30	86.9	19	< 0.3	< 0.1	< 0.1	0.53	72.5	< 0.1	6.1
109294				0.04	7	< 10	4	< 3	< 2	36.3	< 2	< 0.8	0.7	< 30	0.4	23	< 0.3	< 0.1	< 0.1	< 0.05	0.4	< 0.1	< 0.7
109295				8.04	< 5	20	25	< 3	< 2	8.45	< 2	11.0	60.5	200	1.1	118	3.8	2.7	0.9	8.80	19.1	3.3	< 0.7
109296				7.87	< 5	20	35	< 3	< 2	9.11	< 2	11.4	56.4	210	0.8	129	3.5	2.4	0.9	8.32	16.9	3.1	< 0.7
109297				7.69	< 5	60	99	6	< 2	8.11	< 2	8.9	55.0	200	23.3	152	3.5	2.4	0.8	8.48	19.4	3.1	< 0.7
109298				8.08	< 5	160	108	7	< 2	6.09	< 2	5.0	55.1	210	51.6	121	3.7	2.6	0.8	9.10	21.7	3.1	< 0.7
109299				7.49	8	1610	30	142	14	0.93	< 2	2.5	2.8	< 30	50.2	20	0.3	0.2	0.1	0.84	58.0	0.5	7.0
109300				7.13	< 5	420	59	76	10	8.88	< 2	11.2	44.9	100	254	135	3.3	2.3	0.7	14.7	32.2	2.8	< 0.7
109301				8.01	< 5	310	36	201	15	0.37	< 2	1.4	0.9	< 30	150	5	< 0.3	< 0.1	< 0.1	0.46	59.2	0.2	5.6
109302				8.10	< 5	110	9	184	24	0.18	< 2	< 0.8	0.5	< 30	156	3	< 0.3	< 0.1	< 0.1	0.40	69.1	< 0.1	5.5
109303				0.05	< 5	< 10	4	< 3	< 2	37.1	< 2	< 0.8	0.4	< 30	1.3	2	< 0.3	< 0.1	< 0.1	0.07	0.5	< 0.1	< 0.7
109304				8.19	< 5	320	15	173	22	0.21	< 2	< 0.8	0.5	< 30	91.3	5	< 0.3	< 0.1	< 0.1	0.41	83.7	< 0.1	6.5
109305				7.50	< 5	160	163	19	< 2	5.91	< 2	16.1	59.5	80	399	114	4.8	2.9	1.3	11.6	28.4	4.7	< 0.7
109306				7.50	< 5	10	23	< 3	< 2	7.01	< 2	19.4	60.5	70	12.8	124	5.6	3.5	1.5	12.1	25.7	5.7	< 0.7
109307				7.43	< 5	10	36	< 3	< 2	6.92	< 2	18.3	57.6	70	150	155	5.4	3.4	1.4	12.2	26.1	5.5	< 0.7
109308				7.35	< 5	290	45	5	< 2	6.75	< 2	18.8	54.4	60	100	155	5.3	3.4	1.4	11.8	27.4	5.4	< 0.7
109309				7.17	< 5	510	147	8	< 2	7.06	< 2	20.5	54.6	40	129	180	5.9	3.7	1.6	12.5	26.3	5.9	< 0.7
109310				7.37	< 5	50	48	< 3	< 2	6.81	< 2	18.7	59.0	90	42.9	155	5.6	3.4	1.4	12.4	25.6	5.5	< 0.7
109311				7.35	< 5	500	252	66	5	8.46	< 2	11.9	47.8	130	294	91	3.8	2.5	0.9	11.8	29.5	3.4	< 0.7
109312				7.56	< 5	620	20	62	9	1.54	< 2	2.7	6.4	< 30	87.5	27	0.5	0.3	0.1	1.53	46.5	0.6	6.1
109313				7.42	< 5	40	97	19	3	10.5	< 2	11.8	51.8	180	14.7	112	3.7	2.6	0.8	9.74	23.0	3.2	< 0.7
109314				7.66	< 5	30	105	< 3	< 2	7.51	< 2	9.8	63.1	100	114	117	3.8	2.5	0.8	10.0	17.9	3.1	< 0.7
109315				7.88	< 5	20	20	< 3	< 2	8.27	< 2	10.9	63.6	90	0.9	93	3.9	2.7	0.8	10.3	17.3	3.4	< 0.7
109316				8.19	< 5	< 10	21	< 3	< 2	8.14	< 2	10.5	63.6	100	45.7	127	4.0	2.7	0.9	10.8	18.1	3.4	< 0.7
109317				9.14	< 5	40	47	129	< 2	0.21	< 2	< 0.8	0.6	160	61.1	8	< 0.3	< 0.1	< 0.1	0.35	62.2	< 0.1	6.4
109318				7.93	< 5	< 10	22	< 3	< 2	7.60	< 2	10.4	63.0	100	5.6	134	4.0	2.7	0.9	10.7	18.6	3.4	< 0.7
109319				7.79	< 5	40	96	< 3	< 2	9.83	< 2	11.6	62.2	120	2.0	136	4.0	2.8	0.9	9.88	17.7	3.4	< 0.7
109320				8.41	< 5	20	73	< 3	< 2	7.93	< 2	12.3	64.5	50	5.9	135	3.9	2.5	0.8	8.92	19.4	3.3	< 0.7
109321				7.80	< 5	< 10	89	< 3	< 2	6.94	< 2	15.6	62.3	80	0.7	181	4.6	2.9	1.2	12.3	24.0	4.5	< 0.7
109322				7.64	< 5	< 10	32	< 3	< 2	8.09	< 2	11.1	54.8	120	0.5	123	3.6	2.6	0.8	9.39	18.1	3.1	< 0.7
109323				7.42	< 5	10	57	< 3	< 2	7.38	< 2	9.9	55.5	80	3.9	193	4.2	3.0	0.9	10.1	19.0	3.7	< 0.7
109324				7.33	< 5	1070	73	329	44	0.41	< 2	1.6	0.5	< 30	95.7	4	< 0.3	< 0.1	< 0.1	0.54	47.4	< 0.1	7.2
109325				0.05	< 5	< 10	< 3	< 3	< 2	37.6	< 2	< 0.8	0.4	< 30	< 0.1	< 2	< 0.3	< 0.1	< 0.1	0.06	0.3	< 0.1	< 0.7

Analyte Symbol	Li	Li2O	Rb	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	Fe	Ga	Gd	Ge
Unit Symbol	%	%	%	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
Lower Limit	0.01	0.01	0.01	0.01	5	10	3	3	2	0.01	2	0.8	0.2	30	0.1	2	0.3	0.1	0.1	0.05	0.2	0.1	0.7
Method Code	FUS-Na2O2	FUS-Na2O2	FUS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
109326				7.71	< 5	< 10	25	< 3	< 2	8.01	< 2	11.5	55.8	130	2.9	149	4.1	2.8	0.9	9.57	19.0	3.5	< 0.7
109327				7.69	< 5	< 10	25	< 3	< 2	8.02	< 2	11.3	56.1	130	0.4	141	3.9	2.7	0.9	9.55	19.5	3.3	< 0.7
109328				7.62	< 5	< 10	21	< 3	< 2	9.60	< 2	12.6	54.0	100	0.9	123	4.0	2.7	0.9	9.52	22.2	3.4	< 0.7
109329				7.71	< 5	< 10	52	< 3	< 2	6.40	< 2	9.4	54.3	110	46.0	144	3.9	2.6	0.8	9.76	19.7	3.2	< 0.7
109330				8.45	< 5	1010	32	230	57	0.19	< 2	< 0.8	0.5	< 30	124	3	< 0.3	< 0.1	< 0.1	0.52	69.4	< 0.1	7.1
109331				8.54	< 5	50	44	127	< 2	0.13	< 2	< 0.8	0.3	140	56.1	2	< 0.3	< 0.1	< 0.1	0.32	60.3	< 0.1	6.6
109332				7.72	9	510	45	13	2	6.74	< 2	10.4	52.3	120	122	106	3.7	2.6	0.7	9.73	18.9	3.3	< 0.7
109333				7.99	< 5	270	30	344	39	0.21	< 2	< 0.8	0.5	< 30	76.7	5	< 0.3	< 0.1	< 0.1	0.57	63.6	< 0.1	7.3
109334				8.13	< 5	330	19	310	29	0.16	< 2	< 0.8	0.2	< 30	68.0	2	< 0.3	< 0.1	< 0.1	0.61	72.8	< 0.1	6.4
109335				7.65	< 5	< 10	27	4	< 2	7.50	< 2	7.5	53.2	140	17.8	110	3.8	2.7	0.8	9.58	19.6	3.1	< 0.7
109336				7.43	< 5	< 10	27	< 3	< 2	7.34	< 2	10.9	52.8	120	0.8	141	3.8	2.7	0.8	9.57	17.5	3.2	< 0.7
109337				6.83	< 5	< 10	140	< 3	< 2	6.20	< 2	23.3	42.3	< 30	19.3	66	7.0	4.7	1.8	13.2	24.5	6.7	< 0.7
109338				6.85	< 5	< 10	74	< 3	< 2	6.26	< 2	22.4	40.9	< 30	12.1	47	7.1	4.7	1.7	13.2	24.5	6.6	< 0.7
109339				8.15	< 5	770	40	106	28	0.38	< 2	2.6	1.3	< 30	138	7	< 0.3	< 0.1	< 0.1	0.57	55.6	0.4	6.4
109340				8.40	< 5	620	24	153	44	0.29	< 2	1.3	0.9	< 30	113	4	< 0.3	< 0.1	< 0.1	0.61	70.9	< 0.1	7.1
109341				8.55	< 5	50	40	131	< 2	0.12	< 2	< 0.8	0.2	140	52.9	< 2	< 0.3	< 0.1	< 0.1	0.31	58.6	< 0.1	6.8
109342				6.77	< 5	10	58	< 3	< 2	6.35	< 2	22.0	42.2	< 30	2.6	54	6.9	4.6	1.6	13.2	25.0	6.3	< 0.7
109343				6.72	< 5	30	147	< 3	< 2	6.22	< 2	23.0	41.2	< 30	80.5	77	6.9	4.7	1.6	13.0	25.4	6.3	< 0.7
109344				8.01	16	1110	23	60	41	0.72	< 2	2.9	2.8	< 30	34.7	28	< 0.3	0.1	< 0.1	0.68	56.7	0.4	6.3
109345				6.88	< 5	200	60	5	< 2	6.13	< 2	22.4	39.0	< 30	22.2	63	6.7	4.4	1.6	12.1	25.2	6.2	< 0.7
109346				6.76	< 5	< 10	67	< 3	< 2	6.48	< 2	24.6	37.6	< 30	0.8	43	7.1	4.6	1.8	12.2	24.2	6.6	< 0.7
109347				7.23	< 5	< 10	28	< 3	< 2	7.02	< 2	13.6	54.3	40	1.3	136	4.5	3.2	1.0	10.7	19.9	3.8	< 0.7
109348				7.77	< 5	80	142	< 3	< 2	7.72	< 2	10.8	53.6	150	6.3	62	4.0	2.8	0.8	10.1	20.1	3.5	< 0.7
109349				6.85	< 5	< 10	80	< 3	< 2	6.34	< 2	27.5	38.1	< 30	0.6	52	8.0	5.2	1.9	12.5	25.3	7.4	< 0.7
109350				8.01	< 5	< 10	124	< 3	< 2	6.63	< 2	10.3	67.5	150	17.1	282	3.8	2.7	0.8	11.0	21.8	3.3	< 0.7
109351				0.06	< 5	< 10	5	< 3	< 2	37.6	< 2	< 0.8	0.4	< 30	< 0.1	< 2	< 0.3	< 0.1	< 0.1	0.06	0.3	< 0.1	< 0.7
109352				7.60	< 5	20	45	< 3	< 2	10.2	< 2	10.6	50.7	140	13.6	4	3.6	2.5	0.8	9.04	19.6	3.0	< 0.7
109353				7.92	< 5	30	13	< 3	< 2	10.9	< 2	11.1	52.7	150	19.1	119	3.7	2.7	0.8	9.71	20.0	3.3	< 0.7
109354				7.14	< 5	20	35	< 3	< 2	7.70	< 2	10.1	45.1	90	4.1	33	3.5	2.5	0.7	11.5	17.4	2.7	< 0.7
109355				7.72	< 5	10	43	< 3	< 2	7.22	< 2	10.0	53.4	100	0.2	140	4.0	2.9	0.8	10.8	17.4	3.1	< 0.7
109356				7.39	7	< 10	48	< 3	< 2	8.30	< 2	7.7	53.6	170	0.5	114	3.6	2.5	0.7	9.85	16.2	2.9	< 0.7
109357				7.32	< 5	< 10	28	3	< 2	7.64	< 2	7.8	53.5	150	0.3	96	3.8	2.6	0.7	9.12	17.7	3.0	< 0.7
109358				7.38	6	< 10	40	< 3	< 2	8.83	< 2	13.1	48.3	< 30	4.9	130	5.1	4.0	0.9	11.5	19.9	4.0	< 0.7
109359				0.07	< 5	< 10	4	< 3	< 2	37.5	< 2	< 0.8	0.3	< 30	< 0.1	< 2	< 0.3	< 0.1	< 0.1	0.07	0.4	< 0.1	< 0.7
109360				7.56	24	< 10	75	< 3	< 2	6.38	< 2	11.9	48.8	< 30	1.1	148	5.0	3.7	0.9	11.7	19.9	3.9	< 0.7
109361				7.48	< 5	< 10	81	< 3	< 2	7.34	< 2	12.1	46.1	< 30	1.1	129	4.8	3.7	0.8	11.2	19.3	3.7	< 0.7
109362				7.53	< 5	30	73	4	< 2	7.30	< 2	11.0	45.9	< 30	6.3	115	4.8	3.7	0.9	10.9	20.7	3.7	< 0.7
109363				8.13	< 5	270	16	250	34	0.40	< 2	1.1	0.2	< 30	17.7	4	< 0.3	< 0.1	< 0.1	0.43	67.4	< 0.1	5.2
109364				8.00	< 5	360	16	221	5	0.28	< 2	< 0.8	0.4	< 30	21.2	5	< 0.3	< 0.1	< 0.1	0.64	68.2	< 0.1	4.8
109365				8.57	< 5	40	42	125	< 2	0.13	< 2	< 0.8	0.2	190	48.7	6	< 0.3	< 0.1	< 0.1	0.32	60.8	< 0.1	9.0
109366				7.24	< 5	20	78	12	4	6.73	< 2	11.1	43.6	40	26.7	118	4.6	3.5	0.8	10.3	22.1	3.5	< 0.7

Analyte Symbol	Li	Li2O	Rb	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	Fe	Ga	Gd	Ge
Unit Symbol	%	%	%	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
Lower Limit	0.01	0.01	0.01	0.01	5	10	3	3	2	0.01	2	0.8	0.2	30	0.1	2	0.3	0.1	0.1	0.05	0.2	0.1	0.7
Method Code	FUS-Na2O2	FUS-Na2O2	FUS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
109367				8.02	< 5	160	14	186	45	0.27	< 2	< 0.8	< 0.2	< 30	41.2	< 2	< 0.3	< 0.1	< 0.1	0.39	57.0	< 0.1	5.2
109368				7.22	< 5	< 10	84	< 3	< 2	6.98	< 2	11.3	44.9	< 30	3.8	130	4.8	3.6	0.9	11.2	19.4	3.5	< 0.7
109369				7.14	< 5	< 10	108	< 3	< 2	6.97	< 2	12.0	46.2	< 30	0.8	132	4.9	3.8	0.8	11.2	19.7	3.6	< 0.7
109370				7.13	< 5	< 10	79	< 3	< 2	6.64	< 2	10.9	46.2	< 30	0.3	132	4.9	3.5	0.8	11.4	18.7	3.6	< 0.7
109371				7.32	< 5	70	42	< 3	< 2	7.10	< 2	8.8	52.2	40	31.7	137	4.3	3.2	0.8	10.5	18.2	3.2	< 0.7
109372				7.58	< 5	< 10	26	< 3	< 2	7.07	< 2	9.7	52.2	50	10.8	103	4.3	3.4	0.8	10.5	17.9	3.4	< 0.7
109373				7.64	< 5	50	33	6	< 2	6.43	< 2	9.1	53.7	50	106	128	4.4	3.1	0.8	10.5	18.1	3.3	< 0.7
109374	1.18	2.53		8.69	< 5	50	8	74	< 2	0.22	< 2	< 0.8	0.4	< 30	46.1	2	< 0.3	< 0.1	< 0.1	0.38	74.8	< 0.1	6.7
109375				0.03	< 5	< 10	< 3	< 3	< 2	36.8	< 2	< 0.8	< 0.2	< 30	0.1	< 2	< 0.3	< 0.1	< 0.1	< 0.05	0.4	< 0.1	< 0.7
109376	1.58	3.40		8.75	< 5	30	4	140	< 2	0.18	< 2	< 0.8	0.3	< 30	46.3	< 2	< 0.3	< 0.1	< 0.1	0.26	74.6	< 0.1	7.0
109377				9.25	5	130	< 3	39	2	0.18	< 2	< 0.8	< 0.2	< 30	53.4	< 2	< 0.3	< 0.1	< 0.1	0.24	83.7	< 0.1	7.9
109378				7.61	< 5	350	46	9	< 2	6.20	< 2	7.4	50.6	40	215	125	4.1	3.0	0.7	9.85	20.7	3.1	< 0.7
109379				7.62	< 5	60	19	< 3	< 2	6.33	< 2	9.3	53.0	40	20.4	141	4.5	3.1	0.8	10.2	17.9	3.3	< 0.7
109380				7.35	< 5	< 10	36	< 3	< 2	6.36	< 2	8.9	53.5	50	37.9	145	4.3	3.2	0.7	10.2	18.4	3.3	< 0.7
109381				7.82	< 5	2040	36	< 3	< 2	7.00	< 2	18.3	60.5	90	23.5	75	5.6	3.5	1.4	12.1	24.8	5.4	< 0.7
109382				7.66	< 5	200	82	< 3	< 2	6.74	< 2	18.4	55.7	40	78.5	157	6.0	3.8	1.5	13.6	24.6	5.8	< 0.7
109383				7.15	< 5	30	39	< 3	< 2	7.80	< 2	18.1	50.2	40	1.2	70	5.8	3.6	1.4	11.0	24.5	5.6	< 0.7
109384				7.72	< 5	1230	59	9	< 2	4.29	< 2	15.0	50.2	60	160	158	5.2	3.3	1.3	10.3	26.2	4.9	< 0.7
109385				8.65	7	230	13	158	< 2	0.31	< 2	< 0.8	0.5	30	80.2	2	< 0.3	< 0.1	< 0.1	0.28	49.5	< 0.1	8.7
109386	1.29	2.78		8.44	< 5	100	4	90	5	0.18	< 2	< 0.8	0.5	70	61.5	< 2	< 0.3	< 0.1	< 0.1	0.51	75.6	< 0.1	7.2
109387				8.41	< 5	70	< 3	238	3	0.25	< 2	< 0.8	< 0.2	< 30	47.5	< 2	< 0.3	< 0.1	< 0.1	0.37	74.3	< 0.1	6.6
109388	1.44	3.09		8.36	< 5	40	< 3	317	15	0.25	2	< 0.8	< 0.2	< 30	48.0	< 2	0.4	< 0.1	< 0.1	0.41	77.9	0.3	8.1
109389				8.47	< 5	50	41	132	< 2	0.20	< 2	< 0.8	< 0.2	140	52.3	< 2	< 0.3	< 0.1	< 0.1	0.29	60.7	< 0.1	8.1
109390				8.34	5	220	5	173	2	0.36	< 2	0.9	0.7	< 30	71.8	4	< 0.3	< 0.1	< 0.1	0.50	65.2	< 0.1	6.8
109391			0.59	8.61	< 5	30	9	41	8	0.21	< 2	< 0.8	< 0.2	< 30	98.6	< 2	< 0.3	< 0.1	< 0.1	0.28	42.4	< 0.1	7.2
109392				7.99	< 5	6790	10	29	6	2.56	3	4.8	10.0	40	130	19	1.2	0.9	0.3	2.61	53.0	1.1	5.7
109393				0.04	< 5	50	4	< 3	< 2	36.3	< 2	< 0.8	< 0.2	< 30	0.3	< 2	< 0.3	< 0.1	< 0.1	< 0.05	0.4	< 0.1	< 0.7
109394				8.43	< 5	7520	76	48	< 2	4.99	< 2	17.8	57.5	< 30	576	444	6.2	4.7	1.1	12.8	32.4	4.9	6.1
109395				7.64	< 5	5950	87	24	< 2	3.94	< 2	20.1	51.8	50	348	246	5.9	4.7	1.0	11.7	19.3	4.9	4.4
109396				7.12	< 5	2260	54	17	< 2	4.90	< 2	18.6	50.1	< 30	84.4	184	5.8	4.3	1.1	11.4	18.8	5.0	4.2
109397				7.29	< 5	120	135	5	< 2	7.29	< 2	21.2	56.9	60	2.3	137	6.4	3.9	1.6	12.6	25.5	6.5	2.6
109398				7.17	< 5	4050	85	10	< 2	3.05	< 2	16.7	34.1	< 30	440	129	5.0	3.7	1.0	9.73	35.7	4.5	2.8
109399				7.38	< 5	140	300	69	3	5.52	< 2	46.2	40.5	< 30	1180	483	13.5	8.4	3.3	15.5	40.4	14.4	4.5
109400				7.66	< 5	2050	258	48	34	2.89	< 2	27.0	14.2	< 30	1240	134	8.5	5.0	1.8	8.88	60.1	8.5	5.8
109401	1.34	2.88		8.60	< 5	70	6	112	4	0.10	< 2	< 0.8	0.3	30	75.1	< 2	< 0.3	< 0.1	< 0.1	0.51	73.7	0.1	4.2
109402				7.63	< 5	80	9	103	2	0.09	< 2	< 0.8	0.3	30	152	< 2	< 0.3	< 0.1	< 0.1	0.36	58.7	< 0.1	2.3
109403				6.61	< 5	40	6	213	4	0.11	< 2	< 0.8	0.4	< 30	86.2	< 2	< 0.3	< 0.1	< 0.1	0.39	53.3	< 0.1	3.1
109404				8.54	< 5	40	50	127	< 2	0.13	< 2	< 0.8	< 0.2	160	64.6	< 2	< 0.3	< 0.1	< 0.1	0.29	61.3	< 0.1	4.4
109405				8.88	< 5	20	10	82	3	0.18	3	< 0.8	1.5	40	34.9	21	< 0.3	< 0.1	< 0.1	0.38	56.5	< 0.1	3.3
109406				7.47	< 5	1100	111	9	< 2	5.82	< 2	17.9	57.7	40	70.1	159	5.5	3.8	1.3	10.5	23.8	5.0	3.5
109407				8.26	< 5	60	10	362	3	0.25	< 2	< 0.8	0.7	< 30	81.3	< 2	< 0.3	< 0.1	< 0.1	0.46	62.6	0.1	3.9

Analyte Symbol	Li	Li2O	Rb	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	Fe	Ga	Gd	Ge
Unit Symbol	%	%	%	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
Lower Limit	0.01	0.01	0.01	0.01	5	10	3	3	2	0.01	2	0.8	0.2	30	0.1	2	0.3	0.1	0.1	0.05	0.2	0.1	0.7
Method Code	FUS-Na2O2	FUS-Na2O2	FUS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
109408				8.47	< 5	30	< 3	258	< 2	0.22	< 2	< 0.8	< 0.2	< 30	33.5	< 2	< 0.3	< 0.1	< 0.1	0.37	51.2	< 0.1	4.7
109409				8.70	< 5	40	< 3	71	< 2	0.11	< 2	< 0.8	< 0.2	< 30	73.6	< 2	< 0.3	< 0.1	< 0.1	0.30	66.7	< 0.1	4.5
109410				9.48	< 5	40	< 3	88	< 2	0.17	< 2	< 0.8	< 0.2	< 30	53.7	< 2	< 0.3	< 0.1	< 0.1	0.26	51.9	< 0.1	4.3
109411				9.06	< 5	80	3	58	< 2	0.28	< 2	< 0.8	0.4	< 30	174	< 2	< 0.3	< 0.1	< 0.1	0.46	58.7	0.1	4.1
109412				8.00	< 5	40	< 3	243	< 2	0.11	< 2	< 0.8	1.8	< 30	155	7	< 0.3	< 0.1	< 0.1	0.25	55.7	< 0.1	4.0
109413				0.08	< 5	< 10	7	< 3	< 2	34.8	< 2	< 0.8	< 0.2	< 30	1.2	15	< 0.3	< 0.1	< 0.1	< 0.05	0.3	< 0.1	< 0.7
109414			0.74	9.02	< 5	50	4	79	< 2	0.12	< 2	< 0.8	< 0.2	< 30	307	< 2	< 0.3	< 0.1	< 0.1	0.20	37.0	< 0.1	3.5
109415	1.95	4.20		9.73	< 5	130	< 3	308	< 2	0.12	2	< 0.8	0.4	< 30	92.7	10	< 0.3	< 0.1	< 0.1	0.47	89.4	< 0.1	4.3
109416	1.46	3.13		8.85	< 5	30	< 3	165	5	0.13	2	< 0.8	0.8	40	77.9	4	< 0.3	< 0.1	< 0.1	0.70	72.9	< 0.1	4.1
109417	1.54	3.31		9.63	6	40	< 3	177	8	0.27	< 2	< 0.8	0.4	50	79.6	5	< 0.3	< 0.1	< 0.1	0.43	83.4	< 0.1	4.0
109418				8.82	< 5	30	50	125	< 2	0.17	< 2	< 0.8	0.2	180	59.4	< 2	< 0.3	< 0.1	< 0.1	0.31	61.1	< 0.1	4.0
109419				8.78	< 5	50	4	129	9	0.15	< 2	< 0.8	< 0.2	< 30	88.4	3	< 0.3	< 0.1	< 0.1	0.45	70.9	< 0.1	3.5
109420				8.33	< 5	40	< 3	144	3	0.15	< 2	< 0.8	< 0.2	< 30	32.7	3	< 0.3	< 0.1	< 0.1	0.35	55.0	< 0.1	4.2
109421				8.25	11	60	6	35	10	0.16	< 2	< 0.8	0.7	< 30	85.2	19	< 0.3	< 0.1	< 0.1	0.50	57.7	< 0.1	4.3
109422				8.50	7	20	4	129	2	0.14	< 2	< 0.8	< 0.2	< 30	31.3	< 2	< 0.3	< 0.1	< 0.1	0.24	55.8	< 0.1	4.9
109423				7.58	< 5	1170	40	154	< 2	3.17	< 2	9.5	19.0	< 30	446	73	2.9	1.9	0.6	4.90	41.5	2.9	5.4
109424				7.51	< 5	70	12	203	< 2	0.60	< 2	2.2	1.2	< 30	32.2	7	0.4	0.2	0.2	0.55	43.9	0.6	5.3
109425				7.02	< 5	620	89	91	< 2	3.81	< 2	23.9	27.8	< 30	725	124	6.9	4.8	1.3	8.34	31.3	6.8	4.7
109426				7.58	< 5	110	7	187	< 2	0.41	< 2	1.5	1.1	< 30	45.4	< 2	< 0.3	< 0.1	0.1	0.47	45.4	0.3	5.1
109427				6.76	< 5	160	42	20	< 2	4.45	< 2	25.1	41.8	< 30	1100	118	6.7	4.3	1.6	10.5	24.9	6.6	4.1
109428				7.21	< 5	760	104	29	< 2	5.57	< 2	24.5	49.7	< 30	722	148	7.0	4.5	1.8	11.4	28.7	7.1	5.1
109429				7.35	< 5	980	283	11	< 2	4.07	< 2	18.4	50.9	30	422	88	5.5	3.4	1.3	10.7	33.0	5.4	4.2
109430				7.05	< 5	20	46	< 3	< 2	5.55	< 2	23.1	46.1	< 30	15.4	89	6.8	4.3	1.7	11.7	25.0	6.7	3.8

Analyte Symbol	Ho	Hf	In	K	La	Li	Mg	Mn	Mo	Nb	Nd	Ni	Pb	Pr	Rb	S	Sb	Se	Si	Sm	Sn	Sr	Ta
Unit Symbol	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
Lower Limit	0.2	10	0.2	0.1	0.4	3	0.01	3	1	2.4	0.4	10	0.8	0.1	0.4	0.01	2	0.8	0.01	0.1	0.5	3	0.2
Method Code	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
109285	1.0	< 10	< 0.2	0.2	6.4	138	3.59	1800	< 1	4.1	12.8	100	14.1	2.6	6.8	0.04	< 2	6.7	22.3	3.6	< 0.5	176	0.2
109286	2.0	< 10	< 0.2	0.4	10.6	281	1.67	2000	< 1	8.9	23.7	10	3.7	4.7	77.4	0.14	< 2	10.8	24.7	7.2	1.7	126	0.7
109287	1.7	< 10	< 0.2	0.8	9.1	864	2.10	1770	2	7.2	19.5	50	5.2	3.9	102	0.62	2	9.9	24.0	6.2	1.3	136	0.7
109288	< 0.2	< 10	< 0.2	2.2	1.5	1810	0.06	208	< 1	69.1	2.2	10	15.5	0.5	1880	< 0.01	< 2	11.0	> 30.0	0.5	71.3	88	30.8
109289	1.6	< 10	< 0.2	0.4	8.2	1250	2.53	2220	1	6.5	17.3	30	16.6	3.4	31.5	0.50	< 2	13.1	23.1	5.4	1.0	117	0.4
109290	1.2	< 10	< 0.2	0.2	7.3	388	3.26	1920	< 1	5.2	15.1	80	0.9	3.0	5.8	0.15	< 2	13.5	22.9	4.5	< 0.5	200	0.4
109291	0.8	< 10	< 0.2	0.2	3.4	554	3.98	1680	< 1	< 2.4	7.7	90	4.5	1.5	18.0	0.06	< 2	7.2	24.0	2.4	< 0.5	46	< 0.2
109292	0.6	< 10	< 0.2	0.2	3.3	775	2.54	1720	< 1	2.9	5.9	50	5.2	1.2	62.0	0.02	< 2	6.2	22.5	1.5	5.1	371	1.9
109293	< 0.2	< 10	< 0.2	2.2	< 0.4	5950	0.04	411	2	84.3	< 0.4	< 10	13.9	< 0.1	1690	< 0.01	< 2	6.2	> 30.0	0.1	46.5	84	44.0
109294	< 0.2	< 10	< 0.2	< 0.1	< 0.4	< 3	1.54	28	< 1	< 2.4	< 0.4	20	< 0.8	< 0.1	1.2	0.11	< 2	18.3	0.14	< 0.1	< 0.5	3840	< 0.2
109295	0.8	< 10	< 0.2	0.2	3.8	1290	3.85	1730	< 1	< 2.4	8.0	90	< 0.8	1.6	23.6	0.04	< 2	13.6	23.6	2.4	2.6	58	0.2
109296	0.8	< 10	< 0.2	0.1	4.3	392	3.50	1700	1	< 2.4	8.3	90	3.8	1.7	16.7	0.06	< 2	8.3	22.8	2.4	< 0.5	99	< 0.2
109297	0.8	< 10	< 0.2	0.5	3.0	1540	4.19	1590	4	< 2.4	6.9	80	1.3	1.3	153	0.54	< 2	9.7	22.8	2.1	3.4	341	< 0.2
109298	0.8	< 10	< 0.2	0.8	1.5	2090	4.90	1890	< 1	< 2.4	4.8	80	2.8	0.8	169	0.27	< 2	4.7	22.9	2.1	2.8	197	0.5
109299	< 0.2	< 10	< 0.2	0.7	0.9	160	0.18	286	23	79.6	1.9	< 10	6.4	0.4	569	0.04	< 2	6.7	> 30.0	0.5	10.0	115	86.2
109300	0.7	< 10	< 0.2	0.8	4.4	668	2.91	4530	2	7.7	6.3	50	4.9	1.4	642	0.52	< 2	3.9	19.7	1.9	41.5	170	7.9
109301	< 0.2	< 10	< 0.2	3.6	0.6	2980	0.07	384	5	75.9	0.9	< 10	11.7	0.2	3000	0.01	< 2	4.3	> 30.0	0.2	30.0	81	61.7
109302	< 0.2	< 10	< 0.2	3.0	< 0.4	7350	0.03	547	2	67.3	< 0.4	< 10	9.8	< 0.1	2520	< 0.01	9	7.6	> 30.0	< 0.1	54.8	56	55.7
109303	< 0.2	< 10	< 0.2	< 0.1	< 0.4	4	1.62	38	< 1	< 2.4	< 0.4	< 10	< 0.8	< 0.1	3.5	0.13	< 2	3.6	0.17	< 0.1	< 0.5	4000	< 0.2
109304	< 0.2	< 10	< 0.2	2.1	< 0.4	9830	0.05	622	6	64.7	< 0.4	< 10	11.0	< 0.1	1280	< 0.01	7	7.9	> 30.0	0.2	71.1	69	39.3
109305	1.0	< 10	< 0.2	1.5	6.0	2470	3.32	1860	1	6.4	12.4	80	3.5	2.4	956	0.15	< 2	3.5	22.7	3.5	8.0	216	3.4
109306	1.2	< 10	< 0.2	0.3	6.9	1130	3.09	1880	< 1	4.3	14.3	60	3.0	2.9	25.8	0.07	3	11.7	22.5	4.3	1.0	298	0.2
109307	1.1	< 10	< 0.2	0.4	6.5	668	3.00	1850	< 1	4.5	13.3	60	2.1	2.7	148	0.16	< 2	3.9	22.9	3.9	2.0	235	0.4
109308	1.1	< 10	< 0.2	0.3	7.0	537	2.73	1830	< 1	8.0	13.8	50	4.8	2.8	117	0.17	< 2	1.9	23.1	4.1	2.8	188	6.6
109309	1.2	< 10	< 0.2	0.6	7.5	482	2.81	1960	< 1	5.2	15.4	40	5.5	3.1	137	0.66	5	7.6	22.2	4.4	7.4	215	0.4
109310	1.1	< 10	< 0.2	0.4	6.8	498	2.98	1900	< 1	4.4	14.0	100	7.5	2.8	31.9	0.14	< 2	4.1	22.5	4.0	13.8	249	0.2
109311	0.8	< 10	< 0.2	0.8	4.4	438	2.98	3030	< 1	5.2	8.1	60	3.4	1.6	510	0.20	< 2	2.8	21.7	2.3	77.1	127	2.7
109312	< 0.2	< 10	< 0.2	0.3	1.2	121	0.39	931	3	55.1	1.7	< 10	6.4	0.3	333	0.04	< 2	2.3	> 30.0	0.4	14.3	66	68.5
109313	0.8	< 10	< 0.2	0.3	4.6	185	3.26	2260	1	3.0	8.1	60	6.0	1.6	49.2	0.42	< 2	3.3	21.9	2.2	9.5	157	0.4
109314	0.8	< 10	< 0.2	0.5	3.5	347	4.51	1680	< 1	< 2.4	7.5	110	5.4	1.5	204	0.11	< 2	1.1	22.5	2.3	< 0.5	157	< 0.2
109315	0.9	< 10	< 0.2	0.1	3.8	168	4.57	1620	< 1	< 2.4	8.0	110	3.7	1.6	5.0	0.08	2	1.5	23.4	2.5	< 0.5	133	< 0.2
109316	0.9	< 10	< 0.2	0.4	3.6	148	4.68	1540	< 1	< 2.4	7.9	110	3.1	1.5	26.9	0.12	< 2	1.0	24.1	2.4	< 0.5	159	< 0.2
109317	< 0.2	< 10	< 0.2	2.6	< 0.4	8030	0.03	354	7	63.6	< 0.4	20	4.5	< 0.1	1760	< 0.01	< 2	1.1	29.3	< 0.1	130	28	93.6
109318	0.9	< 10	< 0.2	0.1	3.7	192	4.83	1570	< 1	< 2.4	8.0	100	< 0.8	1.6	5.4	0.10	< 2	3.0	22.3	2.5	< 0.5	98	< 0.2
109319	0.9	< 10	< 0.2	0.2	4.3	41	2.88	2770	2	< 2.4	8.5	110	7.9	1.7	10.2	0.18	9	1.0	24.0	2.5	0.7	153	< 0.2
109320	0.8	< 10	< 0.2	0.3	4.6	51	2.51	1940	< 1	< 2.4	8.4	90	7.2	1.7	20.6	0.08	< 2	1.2	24.3	2.4	< 0.5	186	< 0.2
109321	1.0	< 10	< 0.2	0.3	5.7	166	3.45	1790	< 1	3.4	11.7	80	1.7	2.3	3.7	0.03	< 2	1.9	22.5	3.5	< 0.5	156	< 0.2
109322	0.8	< 10	< 0.2	0.1	4.1	210	4.06	1560	< 1	< 2.4	7.7	70	1.3	1.6	6.7	0.02	4	1.4	24.0	2.4	< 0.5	92	< 0.2
109323	0.9	< 10	< 0.2	0.3	3.6	371	3.96	1730	< 1	< 2.4	8.2	60	1.1	1.6	45.5	0.18	3	2.1	23.2	2.6	< 0.5	122	< 0.2
109324	< 0.2	< 10	< 0.2	3.1	0.7	76	0.04	436	7	97.3	1.0	< 10	13.1	0.2	2230	< 0.01	< 2	< 0.8	> 30.0	0.2	38.1	164	40.8
109325	< 0.2	< 10	< 0.2	< 0.1	< 0.4	< 3	1.46	25	< 1	< 2.4	< 0.4	< 10	< 0.8	< 0.1	< 0.4	0.11	< 2	< 0.8	0.18	< 0.1	< 0.5	3920	< 0.2

Analyte Symbol	Ho	Hf	In	K	La	Li	Mg	Mn	Mo	Nb	Nd	Ni	Pb	Pr	Rb	S	Sb	Se	Si	Sm	Sn	Sr	Ta
Unit Symbol	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
Lower Limit	0.2	10	0.2	0.1	0.4	3	0.01	3	1	2.4	0.4	10	0.8	0.1	0.4	0.01	2	0.8	0.01	0.1	0.5	3	0.2
Method Code	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
109326	0.9	< 10	< 0.2	0.3	4.0	340	4.07	1720	< 1	2.8	8.5	70	1.7	1.7	20.1	0.08	< 2	3.4	24.0	2.6	1.7	87	0.3
109327	0.8	< 10	< 0.2	0.2	4.0	253	4.06	1640	< 1	< 2.4	7.9	70	0.9	1.6	12.6	0.06	3	1.5	23.6	2.4	< 0.5	86	< 0.2
109328	0.9	< 10	< 0.2	0.1	4.7	356	3.88	1600	< 1	< 2.4	8.5	60	< 0.8	1.8	9.6	0.03	< 2	< 0.8	22.4	2.4	< 0.5	200	< 0.2
109329	0.8	< 10	< 0.2	0.5	3.2	2750	4.24	1630	< 1	< 2.4	7.2	60	15.6	1.4	172	0.08	< 2	2.7	22.2	2.3	0.9	95	0.2
109330	< 0.2	< 10	< 0.2	1.8	0.4	1850	0.04	332	5	115.9	< 0.4	< 10	8.3	< 0.1	1660	0.01	< 2	< 0.8	29.3	< 0.1	37.0	95	67.9
109331	< 0.2	< 10	< 0.2	2.4	< 0.4	7750	0.02	329	6	64.7	< 0.4	< 10	5.3	< 0.1	1660	< 0.01	< 2	< 0.8	> 30.0	< 0.1	126	23	89.7
109332	0.8	< 10	< 0.2	0.7	3.8	2370	4.20	1590	2	5.0	7.6	60	22.3	1.6	440	0.03	< 2	2.5	23.1	2.3	3.3	145	2.7
109333	< 0.2	< 10	< 0.2	2.8	< 0.4	6050	0.04	343	< 1	131.4	< 0.4	< 10	12.1	< 0.1	1720	0.01	< 2	2.5	> 30.0	< 0.1	76.9	124	51.0
109334	< 0.2	< 10	< 0.2	2.2	< 0.4	7910	0.03	322	< 1	82.8	< 0.4	< 10	9.5	< 0.1	1270	< 0.01	< 2	1.9	> 30.0	< 0.1	85.4	100	40.8
109335	0.8	< 10	< 0.2	0.4	2.4	1660	4.11	1730	< 1	3.0	6.2	60	3.7	1.2	86.7	0.07	< 2	1.6	23.6	2.2	5.4	98	0.5
109336	0.9	< 10	< 0.2	0.2	3.8	620	4.03	1620	< 1	< 2.4	8.1	60	2.2	1.6	16.8	0.10	< 2	2.9	24.0	2.4	1.3	91	< 0.2
109337	1.5	< 10	< 0.2	0.4	8.8	490	2.29	1990	< 1	5.6	16.8	20	22.9	3.4	53.4	0.17	< 2	3.0	23.3	5.0	< 0.5	113	0.4
109338	1.5	< 10	< 0.2	0.5	8.3	1050	2.26	2050	< 1	5.1	15.9	20	8.8	3.3	60.6	0.13	< 2	2.0	23.2	4.6	0.6	120	0.3
109339	< 0.2	< 10	< 0.2	2.6	1.0	88	0.07	246	3	52.5	1.8	< 10	9.7	0.4	2310	0.02	< 2	1.4	> 30.0	0.4	25.3	100	33.3
109340	< 0.2	< 10	< 0.2	1.3	0.6	2290	0.04	521	3	55.3	0.5	< 10	4.7	0.1	1090	< 0.01	< 2	< 0.8	> 30.0	< 0.1	78.3	80	35.5
109341	< 0.2	< 10	< 0.2	2.4	< 0.4	8020	0.02	320	6	79.5	< 0.4	< 10	3.4	< 0.1	1580	< 0.01	< 2	0.8	> 30.0	< 0.1	120	21	109
109342	1.5	< 10	< 0.2	0.5	8.2	908	2.36	1950	< 1	4.9	15.9	20	< 0.8	3.2	35.5	0.15	< 2	2.2	23.6	4.6	0.7	117	0.3
109343	1.5	< 10	< 0.2	0.5	8.4	495	2.29	1900	< 1	5.2	16.5	20	5.2	3.4	208	0.24	< 2	2.5	23.6	4.9	1.1	113	0.5
109344	< 0.2	< 10	< 0.2	< 0.1	1.1	46	0.09	139	23	69.7	2.1	< 10	4.0	0.4	119	0.08	< 2	1.1	> 30.0	0.5	4.3	81	97.0
109345	1.5	< 10	< 0.2	0.4	8.3	316	2.27	1840	1	7.1	16.4	30	13.8	3.3	70.2	0.14	< 2	2.1	23.1	4.6	1.3	118	5.5
109346	1.5	< 10	< 0.2	0.3	9.0	228	2.22	1780	< 1	5.2	17.7	20	6.4	3.6	16.1	0.13	< 2	1.5	24.4	5.1	< 0.5	123	0.3
109347	1.0	< 10	< 0.2	0.2	5.0	82	3.86	1800	< 1	2.7	9.4	50	9.5	1.9	3.0	0.12	< 2	2.2	23.5	2.8	1.0	92	0.5
109348	0.9	< 10	< 0.2	0.4	3.9	132	4.35	1690	< 1	2.6	7.9	80	16.2	1.7	16.7	0.02	< 2	1.2	22.7	2.4	0.7	124	0.2
109349	1.7	< 10	< 0.2	0.3	10.1	110	2.08	1890	< 1	5.7	19.8	10	7.5	4.0	10.0	0.26	< 2	2.6	24.8	5.6	0.7	169	0.4
109350	0.8	< 10	< 0.2	0.5	3.6	159	4.34	1410	< 1	< 2.4	7.5	70	< 0.8	1.5	47.9	0.34	< 2	1.3	23.5	2.2	< 0.5	56	< 0.2
109351	< 0.2	< 10	< 0.2	< 0.1	< 0.4	< 3	1.40	27	< 1	< 2.4	< 0.4	< 10	< 0.8	< 0.1	< 0.4	0.12	< 2	< 0.8	0.21	< 0.1	< 0.5	3650	< 0.2
109352	0.8	< 10	< 0.2	0.2	3.9	40	3.62	1600	< 1	< 2.4	7.7	60	< 0.8	1.5	12.4	< 0.01	< 2	< 0.8	22.5	2.2	0.7	50	< 0.2
109353	0.9	< 10	< 0.2	0.1	4.1	98	3.94	1650	< 1	< 2.4	7.8	70	< 0.8	1.6	17.6	0.18	< 2	1.0	21.7	2.4	< 0.5	47	< 0.2
109354	0.8	< 10	< 0.2	0.2	3.9	287	4.16	2800	< 1	< 2.4	6.9	40	< 0.8	1.4	41.9	0.11	4	< 0.8	22.9	1.9	< 0.5	111	< 0.2
109355	0.9	< 10	< 0.2	0.2	4.0	199	3.75	1890	< 1	< 2.4	7.3	60	< 0.8	1.4	6.4	0.27	< 2	0.9	23.0	2.2	< 0.5	114	< 0.2
109356	0.8	< 10	< 0.2	0.2	2.6	140	3.92	1990	< 1	< 2.4	6.2	80	< 0.8	1.2	5.5	0.05	< 2	< 0.8	23.2	2.0	< 0.5	128	< 0.2
109357	0.8	< 10	< 0.2	0.1	2.7	149	4.02	1850	7	< 2.4	6.7	70	< 0.8	1.2	4.2	0.06	< 2	0.8	24.3	2.0	3.3	37	< 0.2
109358	1.2	< 10	< 0.2	0.2	5.0	166	2.36	2180	< 1	< 2.4	9.3	20	< 0.8	1.9	11.3	0.10	< 2	< 0.8	24.0	2.6	< 0.5	50	< 0.2
109359	< 0.2	< 10	< 0.2	< 0.1	< 0.4	< 3	1.32	29	< 1	< 2.4	< 0.4	< 10	< 0.8	< 0.1	< 0.4	0.18	< 2	< 0.8	0.25	< 0.1	< 0.5	3550	< 0.2
109360	1.1	< 10	< 0.2	0.3	4.2	877	2.96	1700	< 1	< 2.4	8.4	20	1.7	1.7	7.3	0.14	< 2	1.3	24.2	2.6	0.8	155	< 0.2
109361	1.1	< 10	< 0.2	0.3	4.6	314	2.63	1930	< 1	2.5	8.5	20	1.0	1.7	14.2	0.08	< 2	< 0.8	24.4	2.5	< 0.5	160	< 0.2
109362	1.1	< 10	< 0.2	0.3	4.2	788	2.69	2160	< 1	2.9	7.6	20	< 0.8	1.6	40.3	0.05	< 2	< 0.8	24.4	2.4	4.9	144	1.6
109363	< 0.2	< 10	< 0.2	0.4	0.9	202	0.03	615	13	80.0	< 0.4	< 10	4.0	< 0.1	264	< 0.01	< 2	< 0.8	> 30.0	< 0.1	47.3	22	50.1
109364	< 0.2	< 10	< 0.2	0.9	< 0.4	2150	0.04	910	97	61.5	< 0.4	< 10	4.4	< 0.1	438	< 0.01	< 2	< 0.8	> 30.0	< 0.1	72.5	17	37.2
109365	< 0.2	< 10	< 0.2	2.4	< 0.4	7680	0.02	319	7	79.3	< 0.4	< 10	3.1	< 0.1	1610	< 0.01	< 2	< 0.8	> 30.0	< 0.1	120	22	113
109366	1.0	< 10	< 0.2	0.6	4.2	1210	2.49	2030	< 1	4.7	7.6	20	< 0.8	1.6	207	0.07	< 2	< 0.8	24.5	2.4	8.9	143	1.8

Analyte Symbol	Ho	Hf	In	K	La	Li	Mg	Mn	Mo	Nb	Nd	Ni	Pb	Pr	Rb	S	Sb	Se	Si	Sm	Sn	Sr	Ta
Unit Symbol	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
Lower Limit	0.2	10	0.2	0.1	0.4	3	0.01	3	1	2.4	0.4	10	0.8	0.1	0.4	0.01	2	0.8	0.01	0.1	0.5	3	0.2
Method Code	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
109367	< 0.2	< 10	< 0.2	2.9	0.5	151	0.02	296	79	56.3	< 0.4	< 10	7.0	< 0.1	1840	< 0.01	< 2	< 0.8	> 30.0	< 0.1	52.8	21	33.4
109368	1.1	< 10	< 0.2	0.4	4.3	1310	2.59	1910	< 1	2.5	7.9	20	< 0.8	1.6	33.1	0.07	< 2	< 0.8	23.9	2.4	3.8	174	0.3
109369	1.2	< 10	< 0.2	0.2	4.6	475	2.54	1960	< 1	< 2.4	8.8	20	< 0.8	1.7	11.9	0.07	< 2	1.6	24.0	2.4	< 0.5	179	< 0.2
109370	1.1	< 10	< 0.2	0.2	4.1	566	2.92	1690	< 1	< 2.4	7.8	20	< 0.8	1.6	5.1	0.09	< 2	2.2	23.8	2.3	< 0.5	200	< 0.2
109371	1.0	< 10	< 0.2	0.3	3.1	778	4.29	1820	< 1	< 2.4	6.7	50	< 0.8	1.3	100	0.09	< 2	< 0.8	23.6	2.1	< 0.5	99	< 0.2
109372	1.0	< 10	< 0.2	0.3	3.5	1260	4.37	1870	< 1	< 2.4	7.2	50	1.7	1.4	52.5	0.08	4	< 0.8	24.5	2.2	< 0.5	155	< 0.2
109373	1.0	< 10	< 0.2	0.6	3.3	2520	4.62	1920	< 1	< 2.4	6.5	50	1.8	1.3	404	0.03	< 2	< 0.8	24.5	2.2	7.4	145	< 0.2
109374	< 0.2	< 10	< 0.2	2.2	< 0.4	> 10000	0.04	831	5	69.0	< 0.4	< 10	2.8	< 0.1	1310	< 0.01	< 2	< 0.8	> 30.0	< 0.1	149	12	62.1
109375	< 0.2	< 10	< 0.2	< 0.1	< 0.4	3	0.03	25	< 1	< 2.4	< 0.4	< 10	< 0.8	< 0.1	0.5	0.16	< 2	< 0.8	0.16	< 0.1	< 0.5	3350	< 0.2
109376	< 0.2	< 10	< 0.2	2.3	< 0.4	> 10000	0.02	427	17	68.8	< 0.4	< 10	< 0.8	< 0.1	1130	< 0.01	< 2	< 0.8	> 30.0	< 0.1	143	10	58.1
109377	< 0.2	< 10	< 0.2	1.8	< 0.4	1570	0.02	268	< 1	101.3	< 0.4	< 10	1.2	< 0.1	2180	< 0.01	< 2	< 0.8	> 30.0	< 0.1	136	13	141
109378	0.9	< 10	< 0.2	0.9	2.5	1500	4.48	1920	< 1	4.2	5.7	40	6.2	1.1	984	0.11	< 2	0.8	24.4	1.8	16.7	53	4.6
109379	1.0	< 10	< 0.2	0.5	3.3	2560	4.64	1830	< 1	< 2.4	6.8	50	< 0.8	1.3	117	0.14	< 2	< 0.8	24.3	2.1	0.6	58	< 0.2
109380	1.0	< 10	< 0.2	0.3	3.2	1180	4.65	1940	< 1	< 2.4	6.5	70	< 0.8	1.3	176	0.16	< 2	< 0.8	23.3	2.1	< 0.5	50	< 0.2
109381	1.1	< 10	< 0.2	0.3	6.7	331	3.83	1790	< 1	3.8	13.7	80	< 0.8	2.7	18.4	0.12	< 2	1.2	19.4	4.1	< 0.5	191	< 0.2
109382	1.2	< 10	< 0.2	0.4	6.3	1050	2.41	2640	< 1	4.2	14.1	30	< 0.8	2.8	83.4	0.35	< 2	< 0.8	21.1	4.4	< 0.5	85	< 0.2
109383	1.2	< 10	< 0.2	0.2	6.5	783	1.98	2300	< 1	3.8	13.8	30	< 0.8	2.7	14.1	0.13	2	< 0.8	23.9	4.2	0.5	85	< 0.2
109384	1.1	< 10	< 0.2	1.0	5.1	3440	2.13	1870	1	10.9	11.5	40	1.3	2.3	736	0.30	< 2	< 0.8	25.3	3.7	10.0	68	12.0
109385	< 0.2	< 10	< 0.2	4.2	< 0.4	4210	0.03	476	< 1	42.6	< 0.4	< 10	62.8	< 0.1	3150	< 0.01	< 2	< 0.8	> 30.0	< 0.1	116	20	34.0
109386	< 0.2	< 10	< 0.2	3.0	< 0.4	> 10000	0.02	798	10	53.0	< 0.4	< 10	30.5	< 0.1	1620	< 0.01	< 2	< 0.8	> 30.0	< 0.1	203	8	35.0
109387	< 0.2	< 10	< 0.2	1.9	0.5	869	< 0.01	1110	< 1	105.0	< 0.4	< 10	10.6	< 0.1	1740	< 0.01	< 2	< 0.8	> 30.0	< 0.1	106	14	54.6
109388	< 0.2	< 10	< 0.2	2.0	< 0.4	> 10000	< 0.01	1350	< 1	86.2	< 0.4	< 10	6.1	< 0.1	711	< 0.01	< 2	< 0.8	> 30.0	0.2	242	9	52.7
109389	< 0.2	< 10	< 0.2	2.4	< 0.4	8200	0.01	324	6	76.3	< 0.4	< 10	2.5	< 0.1	1610	< 0.01	< 2	< 0.8	> 30.0	< 0.1	129	23	108
109390	< 0.2	< 10	< 0.2	2.8	< 0.4	3810	0.04	547	< 1	67.0	0.6	< 10	5.7	0.1	2160	< 0.01	6	< 0.8	> 30.0	< 0.1	169	15	77.4
109391	< 0.2	< 10	< 0.2	7.2	< 0.4	2230	< 0.01	727	10	60.3	< 0.4	< 10	11.5	< 0.1	> 5000	< 0.01	< 2	< 0.8	> 30.0	< 0.1	631	17	45.1
109392	0.3	10	< 0.2	1.1	1.7	653	0.47	1530	3	48.6	3.4	20	19.1	0.7	1550	0.05	< 2	< 0.8	> 30.0	0.9	286	67	69.1
109393	< 0.2	< 10	< 0.2	< 0.1	< 0.4	< 3	1.43	25	< 1	< 2.4	< 0.4	< 10	< 0.8	< 0.1	1.8	0.15	< 2	< 0.8	0.15	< 0.1	< 0.5	3260	< 0.2
109394	1.4	< 10	< 0.2	1.6	6.6	1550	2.89	2780	4	17.5	12.5	20	14.8	2.5	2640	0.36	< 2	5.2	19.5	3.3	161	127	21.2
109395	1.4	< 10	< 0.2	1.1	7.8	1820	2.76	2140	< 1	5.2	12.7	20	13.3	2.8	1470	0.27	< 2	5.7	23.6	3.3	23.7	109	1.1
109396	1.4	< 10	< 0.2	0.6	7.2	1210	2.42	2460	< 1	4.1	12.3	20	15.6	2.7	336	0.19	< 2	3.6	24.1	3.3	8.9	82	0.4
109397	1.3	< 10	< 0.2	0.3	7.9	222	2.02	2970	< 1	6.0	16.1	40	24.9	3.1	25.8	0.13	< 2	3.6	22.9	4.5	5.2	99	0.6
109398	1.2	< 10	< 0.2	1.1	6.7	2990	1.85	1890	< 1	31.3	11.2	20	23.5	2.4	1740	0.57	< 2	2.0	25.1	3.0	55.0	88	66.4
109399	2.8	< 10	< 0.2	2.4	17.3	2230	1.19	4180	< 1	16.9	35.5	< 10	12.9	7.0	4610	4.01	< 2	7.3	19.6	10.0	211	184	6.0
109400	1.8	< 10	< 0.2	2.1	10.1	1990	0.62	4190	118	60.4	20.6	< 10	24.9	4.1	4800	1.00	< 2	5.7	24.5	6.0	1510	82	114
109401	< 0.2	< 10	< 0.2	1.9	< 0.4	> 10000	< 0.01	715	< 1	49.7	< 0.4	< 10	15.4	< 0.1	752	< 0.01	< 2	2.7	> 30.0	< 0.1	550	7	65.0
109402	< 0.2	< 10	< 0.2	2.9	< 0.4	8690	< 0.01	712	20	49.1	< 0.4	< 10	10.2	< 0.1	1990	< 0.01	< 2	2.3	21.4	< 0.1	332	10	56.2
109403	< 0.2	< 10	< 0.2	1.8	< 0.4	5140	< 0.01	595	24	60.9	< 0.4	10	14.0	< 0.1	1520	< 0.01	< 2	1.0	> 30.0	< 0.1	602	9	44.0
109404	< 0.2	< 10	< 0.2	2.4	< 0.4	8030	0.02	358	7	103.8	< 0.4	< 10	7.3	< 0.1	1800	< 0.01	< 2	2.0	> 30.0	< 0.1	127	23	149
109405	< 0.2	20	< 0.2	1.9	< 0.4	1630	0.01	368	43	53.5	< 0.4	30	5.2	< 0.1	1210	< 0.01	< 2	< 0.8	> 30.0	< 0.1	265	20	40.9
109406	1.2	< 10	< 0.2	0.6	7.0	1840	2.18	2420	< 1	8.6	12.9	70	12.4	2.6	409	0.32	< 2	2.7	24.3	3.5	22.0	143	8.1
109407	< 0.2	< 10	< 0.2	2.3	< 0.4	3080	0.04	454	< 1	76.0	< 0.4	< 10	2.9	< 0.1	2000	0.01	< 2	3.0	> 30.0	< 0.1	206	14	64.9

Analyte Symbol	Ho	Hf	In	K	La	Li	Mg	Mn	Mo	Nb	Nd	Ni	Pb	Pr	Rb	S	Sb	Se	Si	Sm	Sn	Sr	Ta
Unit Symbol	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
Lower Limit	0.2	10	0.2	0.1	0.4	3	0.01	3	1	2.4	0.4	10	0.8	0.1	0.4	0.01	2	0.8	0.01	0.1	0.5	3	0.2
Method Code	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
109408	< 0.2	< 10	< 0.2	0.4	< 0.4	544	< 0.01	1370	< 1	133.6	< 0.4	< 10	< 0.8	< 0.1	354	< 0.01	< 2	2.7	> 30.0	< 0.1	222	11	126
109409	< 0.2	< 10	< 0.2	2.2	< 0.4	9190	< 0.01	894	< 1	113.8	< 0.4	< 10	1.6	< 0.1	1390	< 0.01	< 2	2.7	> 30.0	< 0.1	533	7	71.3
109410	< 0.2	< 10	< 0.2	1.2	< 0.4	339	< 0.01	1120	< 1	106.7	< 0.4	< 10	2.7	< 0.1	963	< 0.01	< 2	3.1	> 30.0	< 0.1	368	10	63.9
109411	< 0.2	< 10	< 0.2	5.4	< 0.4	6130	< 0.01	2990	1	77.1	< 0.4	< 10	5.9	< 0.1	4740	< 0.01	< 2	1.9	> 30.0	< 0.1	85.2	14	58.4
109412	< 0.2	< 10	< 0.2	4.1	< 0.4	4970	< 0.01	572	1	69.2	< 0.4	< 10	3.7	< 0.1	3900	< 0.01	< 2	2.9	> 30.0	< 0.1	524	12	47.3
109413	< 0.2	< 10	< 0.2	< 0.1	< 0.4	< 3	1.53	23	< 1	< 2.4	< 0.4	< 10	< 0.8	< 0.1	1.2	0.07	< 2	1.3	0.54	< 0.1	< 0.5	4210	0.6
109414	< 0.2	< 10	< 0.2	8.9	< 0.4	614	< 0.01	254	< 1	25.6	< 0.4	< 10	8.4	< 0.1	> 5000	< 0.01	< 2	2.0	27.7	< 0.1	18.8	23	23.6
109415	< 0.2	< 10	< 0.2	2.7	< 0.4	> 10000	< 0.01	1180	< 1	392.7	< 0.4	< 10	2.0	< 0.1	1120	0.01	< 2	1.6	> 30.0	< 0.1	349	6	237
109416	< 0.2	< 10	< 0.2	2.5	< 0.4	> 10000	< 0.01	758	4	66.7	< 0.4	< 10	3.6	< 0.1	1220	0.01	< 2	3.0	> 30.0	< 0.1	165	7	42.3
109417	< 0.2	< 10	< 0.2	2.5	< 0.4	> 10000	0.01	1290	2	88.0	< 0.4	< 10	7.4	< 0.1	1070	< 0.01	< 2	2.0	> 30.0	< 0.1	263	18	57.7
109418	< 0.2	< 10	< 0.2	2.5	< 0.4	7790	0.02	363	7	108.2	< 0.4	< 10	4.9	< 0.1	1780	< 0.01	< 2	1.5	> 30.0	< 0.1	133	25	143
109419	< 0.2	< 10	< 0.2	2.7	< 0.4	8440	0.01	696	13	48.6	< 0.4	< 10	5.8	< 0.1	1750	< 0.01	< 2	1.1	29.3	< 0.1	259	12	38.9
109420	< 0.2	< 10	< 0.2	0.7	< 0.4	1660	< 0.01	948	< 1	114.8	< 0.4	< 10	10.5	< 0.1	567	< 0.01	< 2	1.1	> 30.0	< 0.1	380	9	67.6
109421	< 0.2	< 10	< 0.2	3.7	< 0.4	2810	0.01	1150	< 1	62.1	< 0.4	10	16.0	< 0.1	2910	< 0.01	< 2	2.3	> 30.0	< 0.1	473	14	56.2
109422	< 0.2	< 10	< 0.2	0.8	< 0.4	670	< 0.01	807	28	76.3	< 0.4	< 10	6.9	< 0.1	643	< 0.01	< 2	2.6	> 30.0	< 0.1	391	10	45.9
109423	0.6	< 10	< 0.2	1.8	3.6	1720	0.63	2070	< 1	68.6	6.7	< 10	10.1	1.4	2820	0.13	< 2	2.3	30.0	2.0	239	59	74.9
109424	< 0.2	< 10	< 0.2	0.3	0.7	253	0.04	524	< 1	109.1	2.1	< 10	7.5	0.4	337	0.06	4	1.3	> 30.0	0.6	227	25	188
109425	1.5	< 10	< 0.2	2.3	9.1	2700	1.66	1900	< 1	39.5	17.2	< 10	4.8	3.5	3270	0.31	< 2	3.0	27.0	4.6	62.0	139	37.1
109426	< 0.2	< 10	< 0.2	1.2	0.5	96	0.04	2260	< 1	81.4	1.2	< 10	8.1	0.2	819	0.01	< 2	1.4	> 30.0	0.3	557	34	82.8
109427	1.4	< 10	< 0.2	3.1	10.5	2120	2.79	2370	< 1	9.2	17.5	30	4.0	3.6	4090	0.05	< 2	3.2	24.6	4.7	54.4	117	3.3
109428	1.5	< 10	< 0.2	2.1	9.6	1480	2.41	2460	< 1	9.4	17.3	20	8.6	3.6	2550	0.16	< 2	3.0	23.7	4.9	65.6	173	3.3
109429	1.2	< 10	< 0.2	1.6	7.5	3770	2.38	2370	< 1	13.0	12.8	50	6.3	2.6	1350	0.19	< 2	3.9	24.9	3.7	45.7	167	9.1
109430	1.5	< 10	< 0.2	0.3	8.6	358	2.70	1740	< 1	6.9	16.3	20	2.9	3.4	47.4	0.12	< 2	1.6	24.8	4.7	3.1	164	0.5

Analyte Symbol	Tb	Te	Th	Ti	Tl	Tm	U	V	W	Y	Yb	Zn
Unit Symbol	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	6	0.1	0.01	0.1	0.1	0.1	5	0.7	0.1	0.1	30
Method Code	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
109285	0.9	< 6	0.6	0.94	< 0.1	0.4	0.1	340	< 0.7	28.8	2.6	140
109286	1.7	< 6	1.3	1.11	0.7	0.8	0.5	127	< 0.7	57.5	5.2	110
109287	1.5	< 6	1.1	1.28	1.0	0.7	0.9	294	< 0.7	47.1	4.2	110
109288	< 0.1	< 6	1.9	0.02	15.9	< 0.1	6.8	6	< 0.7	1.2	< 0.1	30
109289	1.3	< 6	0.9	1.31	0.4	0.7	0.6	385	< 0.7	44.0	3.9	220
109290	1.0	< 6	0.7	1.08	< 0.1	0.5	0.3	362	< 0.7	34.7	2.9	150
109291	0.6	< 6	0.3	0.55	0.2	0.4	< 0.1	303	< 0.7	23.8	2.2	110
109292	0.4	< 6	0.2	0.37	0.4	0.3	0.5	304	< 0.7	18.8	1.9	80
109293	< 0.1	< 6	2.8	< 0.01	14.9	< 0.1	16.1	< 5	< 0.7	0.1	< 0.1	50
109294	< 0.1	< 6	< 0.1	< 0.01	< 0.1	< 0.1	1.7	< 5	< 0.7	0.2	< 0.1	< 30
109295	0.6	< 6	0.3	0.56	0.3	0.4	< 0.1	312	< 0.7	24.2	2.2	110
109296	0.6	< 6	0.3	0.51	0.2	0.3	< 0.1	289	1.0	22.9	2.2	100
109297	0.6	< 6	0.3	0.52	1.1	0.3	0.1	281	< 0.7	22.1	2.1	150
109298	0.6	< 6	0.3	0.57	1.6	0.4	0.9	308	< 0.7	23.5	2.3	120
109299	< 0.1	< 6	1.9	0.03	4.4	< 0.1	14.9	9	< 0.7	2.1	< 0.1	60
109300	0.5	< 6	0.6	0.49	9.9	0.3	0.7	234	1.2	21.5	2.1	110
109301	< 0.1	< 6	1.4	0.01	27.0	< 0.1	10.2	< 5	< 0.7	0.8	< 0.1	30
109302	< 0.1	< 6	2.0	< 0.01	23.2	< 0.1	9.8	< 5	< 0.7	0.3	< 0.1	80
109303	< 0.1	< 6	< 0.1	< 0.01	< 0.1	< 0.1	1.6	< 5	< 0.7	0.2	< 0.1	< 30
109304	< 0.1	< 6	1.7	0.02	11.3	< 0.1	8.5	< 5	< 0.7	0.1	< 0.1	60
109305	0.8	< 6	0.6	0.95	9.1	0.4	0.6	348	< 0.7	27.7	2.4	140
109306	1.0	< 6	0.7	1.03	0.3	0.5	< 0.1	352	< 0.7	32.7	2.9	140
109307	1.0	< 6	0.7	1.05	1.3	0.5	0.1	368	< 0.7	31.7	2.8	140
109308	0.9	< 6	0.8	1.03	1.0	0.5	0.6	342	< 0.7	31.4	2.7	140
109309	1.1	< 6	0.8	1.15	1.2	0.5	0.1	382	13.6	34.9	3.2	140
109310	1.0	< 6	0.7	1.06	0.2	0.5	< 0.1	371	< 0.7	32.8	2.8	150
109311	0.6	< 6	0.5	0.59	4.5	0.4	0.2	284	437	24.5	2.3	120
109312	< 0.1	< 6	1.9	0.07	2.6	< 0.1	7.6	33	8.0	3.9	0.3	50
109313	0.6	< 6	0.4	0.55	0.5	0.4	< 0.1	292	15.2	23.4	2.3	110
109314	0.6	< 6	0.3	0.55	1.9	0.4	< 0.1	291	< 0.7	23.4	2.2	110
109315	0.7	< 6	0.3	0.60	< 0.1	0.4	< 0.1	301	< 0.7	24.9	2.5	110
109316	0.6	< 6	0.3	0.62	0.1	0.4	< 0.1	301	< 0.7	24.7	2.5	100
109317	< 0.1	< 6	2.1	< 0.01	15.6	< 0.1	6.0	< 5	< 0.7	0.1	< 0.1	190
109318	0.7	< 6	0.3	0.61	< 0.1	0.4	< 0.1	306	0.8	25.5	2.5	110
109319	0.7	< 6	0.3	0.58	< 0.1	0.4	0.1	283	< 0.7	25.0	2.4	100
109320	0.6	< 6	0.4	0.59	0.1	0.4	< 0.1	291	< 0.7	24.6	2.4	120
109321	0.8	< 6	0.6	0.99	< 0.1	0.4	< 0.1	399	< 0.7	27.4	2.4	130
109322	0.6	< 6	0.3	0.57	< 0.1	0.4	< 0.1	287	< 0.7	23.4	2.3	100
109323	0.7	< 6	0.4	0.64	0.5	0.4	< 0.1	311	< 0.7	26.4	2.6	100
109324	< 0.1	< 6	2.0	0.01	19.0	< 0.1	14.8	< 5	< 0.7	0.3	< 0.1	80
109325	< 0.1	< 6	< 0.1	< 0.01	< 0.1	< 0.1	1.7	< 5	< 0.7	0.2	< 0.1	< 30

Analyte Symbol	Tb	Te	Th	Ti	Tl	Tm	U	V	W	Y	Yb	Zn
Unit Symbol	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	6	0.1	0.01	0.1	0.1	0.1	5	0.7	0.1	0.1	30
Method Code	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
109326	0.7	< 6	0.4	0.59	0.2	0.4	0.2	310	< 0.7	25.4	2.6	110
109327	0.6	< 6	0.4	0.57	< 0.1	0.4	< 0.1	306	< 0.7	24.1	2.3	100
109328	0.6	< 6	0.4	0.58	< 0.1	0.4	< 0.1	303	< 0.7	24.3	2.4	90
109329	0.7	< 6	0.4	0.59	1.8	0.4	1.4	307	< 0.7	24.6	2.5	130
109330	< 0.1	< 6	4.4	0.01	15.5	< 0.1	36.7	< 5	< 0.7	< 0.1	< 0.1	190
109331	< 0.1	< 6	2.3	< 0.01	15.6	< 0.1	5.6	< 5	< 0.7	0.1	< 0.1	180
109332	0.6	< 6	0.6	0.59	5.0	0.4	0.9	292	< 0.7	23.5	2.4	120
109333	< 0.1	< 6	4.7	0.01	15.8	< 0.1	29.6	< 5	< 0.7	0.1	< 0.1	150
109334	< 0.1	< 6	2.2	0.01	11.8	< 0.1	15.3	< 5	2.2	< 0.1	< 0.1	80
109335	0.6	< 6	0.4	0.59	0.9	0.4	0.7	304	< 0.7	23.4	2.4	110
109336	0.6	< 6	0.4	0.58	0.1	0.4	0.1	308	< 0.7	23.0	2.4	100
109337	1.2	< 6	0.9	1.30	0.5	0.7	0.4	208	< 0.7	41.4	4.1	150
109338	1.2	< 6	0.9	1.27	0.8	0.7	0.7	213	< 0.7	41.8	4.3	140
109339	< 0.1	< 6	2.1	0.03	22.1	< 0.1	14.3	8	0.8	1.2	< 0.1	80
109340	< 0.1	< 6	1.7	0.03	9.5	< 0.1	10.6	6	< 0.7	0.8	< 0.1	100
109341	< 0.1	< 6	2.1	< 0.01	15.2	< 0.1	5.5	< 5	< 0.7	0.1	< 0.1	170
109342	1.2	< 6	0.9	1.32	0.5	0.6	0.2	234	< 0.7	40.4	4.1	140
109343	1.2	< 6	0.9	1.28	2.2	0.6	0.2	216	< 0.7	40.4	4.1	130
109344	< 0.1	< 6	3.0	0.05	0.8	< 0.1	14.0	9	< 0.7	1.9	< 0.1	50
109345	1.1	< 6	0.9	1.24	0.7	0.6	0.7	208	< 0.7	40.0	4.0	130
109346	1.2	< 6	0.9	1.26	0.2	0.7	0.2	204	< 0.7	41.7	4.2	120
109347	0.7	< 6	0.5	0.69	< 0.1	0.5	< 0.1	346	< 0.7	27.6	2.8	110
109348	0.7	< 6	0.4	0.60	< 0.1	0.4	0.2	302	< 0.7	24.6	2.5	110
109349	1.3	< 6	1.1	1.22	< 0.1	0.8	0.3	181	< 0.7	45.6	4.7	120
109350	0.6	< 6	0.4	0.62	0.3	0.4	< 0.1	309	< 0.7	23.0	2.4	50
109351	< 0.1	< 6	< 0.1	< 0.01	< 0.1	< 0.1	1.7	< 5	< 0.7	0.3	< 0.1	< 30
109352	0.6	< 6	0.3	0.55	< 0.1	0.4	< 0.1	286	< 0.7	22.0	2.1	80
109353	0.6	< 6	0.4	0.58	< 0.1	0.4	< 0.1	302	< 0.7	23.0	2.3	110
109354	0.6	< 6	0.4	0.50	0.2	0.3	< 0.1	273	1.9	22.3	2.4	100
109355	0.6	< 6	0.3	0.53	< 0.1	0.4	< 0.1	306	< 0.7	25.5	2.7	100
109356	0.6	< 6	0.2	0.55	< 0.1	0.4	< 0.1	313	< 0.7	21.9	2.3	100
109357	0.6	< 6	0.2	0.57	< 0.1	0.4	< 0.1	311	< 0.7	22.6	2.4	100
109358	0.8	< 6	0.5	0.70	< 0.1	0.6	< 0.1	357	< 0.7	32.8	3.7	110
109359	< 0.1	< 6	< 0.1	< 0.01	< 0.1	< 0.1	1.5	< 5	< 0.7	0.3	< 0.1	< 30
109360	0.8	< 6	0.5	0.69	< 0.1	0.5	< 0.1	356	< 0.7	31.2	3.6	120
109361	0.8	< 6	0.5	0.67	< 0.1	0.5	0.3	324	< 0.7	30.9	3.3	120
109362	0.7	< 6	0.6	0.66	0.4	0.5	0.8	332	25.9	31.0	3.3	130
109363	< 0.1	< 6	2.3	0.01	1.6	< 0.1	11.1	< 5	1.0	0.2	< 0.1	< 30
109364	< 0.1	< 6	1.7	0.01	3.3	< 0.1	7.8	9	< 0.7	0.4	< 0.1	30
109365	< 0.1	< 6	2.1	< 0.01	15.6	< 0.1	6.4	< 5	< 0.7	0.1	< 0.1	170
109366	0.7	< 6	0.5	0.63	2.1	0.5	1.9	318	5.5	28.7	3.2	130

Analyte Symbol	Tb	Te	Th	Ti	Tl	Tm	U	V	W	Y	Yb	Zn
Unit Symbol	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	6	0.1	0.01	0.1	0.1	0.1	5	0.7	0.1	0.1	30
Method Code	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
109367	< 0.1	< 6	1.5	< 0.01	15.9	< 0.1	6.2	6	< 0.7	0.1	< 0.1	< 30
109368	0.7	< 6	0.5	0.67	0.4	0.5	0.1	337	< 0.7	30.0	3.3	130
109369	0.8	< 6	0.5	0.71	< 0.1	0.5	< 0.1	358	< 0.7	31.9	3.5	130
109370	0.7	< 6	0.5	0.66	< 0.1	0.5	< 0.1	342	< 0.7	30.0	3.4	120
109371	0.7	< 6	0.3	0.57	1.1	0.5	< 0.1	342	< 0.7	27.3	2.9	110
109372	0.7	< 6	0.3	0.60	0.6	0.5	< 0.1	335	< 0.7	27.4	3.1	110
109373	0.7	< 6	0.4	0.58	4.9	0.5	0.2	344	< 0.7	27.5	3.0	130
109374	< 0.1	< 6	1.3	< 0.01	10.5	< 0.1	3.8	< 5	< 0.7	0.6	< 0.1	50
109375	< 0.1	< 6	< 0.1	< 0.01	< 0.1	< 0.1	1.6	< 5	< 0.7	0.2	< 0.1	< 30
109376	< 0.1	< 6	1.2	< 0.01	10.1	< 0.1	5.5	< 5	< 0.7	< 0.1	< 0.1	30
109377	< 0.1	< 6	1.6	< 0.01	16.1	< 0.1	6.6	5	< 0.7	0.1	< 0.1	50
109378	0.6	< 6	0.4	0.56	11.9	0.4	1.7	330	< 0.7	25.5	2.8	180
109379	0.7	< 6	0.3	0.61	1.5	0.4	< 0.1	349	< 0.7	27.5	2.9	130
109380	0.7	< 6	0.3	0.57	2.1	0.5	< 0.1	349	< 0.7	27.4	3.0	150
109381	1.0	< 6	0.7	1.04	< 0.1	0.5	< 0.1	349	< 0.7	30.6	2.9	150
109382	1.1	< 6	0.8	1.28	0.9	0.5	< 0.1	431	< 0.7	33.7	3.2	150
109383	1.0	< 6	0.7	1.20	0.2	0.5	< 0.1	413	< 0.7	32.1	3.0	140
109384	0.9	< 6	0.7	1.07	8.5	0.4	0.8	351	< 0.7	28.5	2.7	170
109385	< 0.1	< 6	1.6	< 0.01	30.6	< 0.1	5.6	5	< 0.7	0.3	< 0.1	110
109386	< 0.1	< 6	1.5	< 0.01	13.5	< 0.1	5.9	< 5	< 0.7	0.4	< 0.1	200
109387	< 0.1	< 6	3.7	< 0.01	13.0	< 0.1	14.9	< 5	< 0.7	0.3	< 0.1	240
109388	< 0.1	< 6	1.8	< 0.01	5.1	< 0.1	7.5	< 5	< 0.7	1.7	< 0.1	290
109389	< 0.1	< 6	2.2	< 0.01	15.4	< 0.1	5.7	< 5	< 0.7	0.1	< 0.1	170
109390	< 0.1	< 6	1.8	0.01	17.7	< 0.1	7.2	10	< 0.7	0.9	< 0.1	180
109391	< 0.1	< 6	0.6	< 0.01	51.0	< 0.1	2.2	< 5	< 0.7	0.2	< 0.1	560
109392	0.2	< 6	1.9	0.19	13.8	0.1	7.3	73	< 0.7	7.7	0.8	320
109393	< 0.1	< 6	< 0.1	< 0.01	< 0.1	< 0.1	1.6	< 5	< 0.7	0.2	< 0.1	< 30
109394	0.9	< 6	1.1	0.75	21.5	0.8	1.3	368	3.9	40.3	4.8	230
109395	0.9	< 6	0.9	0.76	11.9	0.8	0.2	360	0.9	39.4	4.7	170
109396	0.9	< 6	0.8	0.80	2.7	0.7	< 0.1	355	< 0.7	36.1	4.2	160
109397	1.1	< 6	0.7	1.23	0.2	0.6	< 0.1	412	0.7	34.3	3.0	160
109398	0.8	< 6	1.3	0.54	14.7	0.6	1.2	217	0.9	30.9	3.4	240
109399	2.3	< 6	1.4	0.87	40.2	1.2	0.8	84	2.4	74.5	6.9	240
109400	1.4	< 6	2.2	0.56	41.3	0.7	4.8	26	4.0	45.9	4.1	410
109401	< 0.1	< 6	2.1	< 0.01	5.3	< 0.1	4.7	< 5	1.0	0.3	< 0.1	50
109402	< 0.1	< 6	1.2	< 0.01	15.3	< 0.1	4.4	< 5	1.1	0.2	< 0.1	40
109403	< 0.1	< 6	2.3	< 0.01	10.6	< 0.1	3.5	5	2.2	< 0.1	< 0.1	60
109404	< 0.1	< 6	2.3	< 0.01	14.6	< 0.1	6.4	< 5	1.2	< 0.1	< 0.1	190
109405	< 0.1	< 6	1.4	< 0.01	8.0	< 0.1	4.6	5	2.3	0.2	< 0.1	50
109406	0.9	< 6	0.7	0.92	3.6	0.6	0.7	356	0.8	33.4	3.5	180
109407	< 0.1	< 6	4.5	0.02	14.3	< 0.1	13.6	8	< 0.7	0.5	< 0.1	100

Analyte Symbol	Tb	Te	Th	Ti	Tl	Tm	U	V	W	Y	Yb	Zn
Unit Symbol	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	6	0.1	0.01	0.1	0.1	0.1	5	0.7	0.1	0.1	30
Method Code	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
109408	< 0.1	< 6	4.1	< 0.01	2.2	< 0.1	18.3	< 5	< 0.7	0.1	< 0.1	80
109409	< 0.1	< 6	4.9	< 0.01	9.7	< 0.1	18.6	< 5	< 0.7	< 0.1	< 0.1	110
109410	< 0.1	< 6	3.9	< 0.01	7.5	< 0.1	19.8	< 5	< 0.7	< 0.1	< 0.1	40
109411	< 0.1	< 6	6.3	< 0.01	36.7	< 0.1	10.1	6	< 0.7	0.9	< 0.1	120
109412	< 0.1	< 6	3.1	< 0.01	29.8	< 0.1	5.6	< 5	0.8	< 0.1	< 0.1	80
109413	< 0.1	< 6	< 0.1	< 0.01	< 0.1	< 0.1	1.5	< 5	< 0.7	0.2	< 0.1	< 30
109414	< 0.1	< 6	0.3	< 0.01	63.0	< 0.1	6.0	< 5	< 0.7	< 0.1	< 0.1	80
109415	< 0.1	< 6	4.8	< 0.01	8.1	< 0.1	14.1	< 5	2.2	< 0.1	< 0.1	260
109416	< 0.1	< 6	3.1	< 0.01	8.3	< 0.1	6.6	< 5	1.5	0.1	< 0.1	190
109417	< 0.1	< 6	2.8	< 0.01	7.0	< 0.1	11.8	< 5	3.2	0.4	< 0.1	110
109418	< 0.1	< 6	2.3	< 0.01	13.9	< 0.1	6.3	< 5	1.3	< 0.1	< 0.1	190
109419	< 0.1	< 6	3.4	< 0.01	12.4	< 0.1	10.9	< 5	< 0.7	0.1	< 0.1	150
109420	< 0.1	< 6	4.0	< 0.01	3.2	< 0.1	15.9	< 5	< 0.7	0.2	< 0.1	100
109421	< 0.1	< 6	2.2	< 0.01	21.6	< 0.1	10.6	< 5	0.8	0.4	< 0.1	200
109422	< 0.1	< 6	5.2	< 0.01	3.9	< 0.1	17.1	< 5	2.2	< 0.1	< 0.1	170
109423	0.5	< 6	2.2	0.48	23.0	0.3	7.6	154	1.4	17.2	1.6	220
109424	< 0.1	< 6	2.2	0.03	2.2	< 0.1	6.6	11	0.8	1.8	0.1	100
109425	1.2	< 6	2.0	0.70	27.4	0.7	2.7	175	1.5	42.7	4.1	200
109426	< 0.1	< 6	3.3	0.02	5.7	< 0.1	7.5	6	< 0.7	1.1	< 0.1	120
109427	1.1	< 6	1.2	1.13	33.1	0.6	0.5	350	2.3	39.6	3.5	150
109428	1.2	< 6	1.0	1.22	20.9	0.7	0.3	413	1.2	40.6	3.8	170
109429	0.9	< 6	0.9	1.10	11.2	0.5	0.5	398	1.2	30.9	2.9	250
109430	1.1	< 6	1.0	1.23	0.4	0.6	0.2	395	< 0.7	38.8	3.8	150

Analyte Symbol	Li	Li2O	Rb	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	Fe	Ga	Gd	Ge
Unit Symbol	%	%	%	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
Lower Limit	0.01	0.01	0.01	0.01	5	10	3	3	2	0.01	2	0.8	0.2	30	0.1	2	0.3	0.1	0.1	0.05	0.2	0.1	0.7
Method Code	FUS-Na2O2	FUS-Na2O2	FUS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
GXR-1 Meas	< 0.01		< 0.01	3.75	459	< 10	673	< 3	1570	0.96	4	14.7	7.8	< 30	3.2	1110	4.6		0.6	25.8	14.9	4.1	
GXR-1 Cert	0.000820		0.00140	3.52	427	15.0	750	1.22	1380	0.960	3.30	17.0	8.20	12.0	3.00	1110	4.30		0.690	23.6	13.8	4.20	
GXR-1 Meas				3.66	421	20	686	< 3	1420	0.89	3	14.6	7.6	< 30	2.9	1120	4.7		0.6	24.7	13.5	4.5	
GXR-1 Cert				3.52	427	15.0	750	1.22	1380	0.960	3.30	17.0	8.20	12.0	3.00	1110	4.30		0.690	23.6	13.8	4.20	
GXR-1 Meas				3.57						0.82										25.0			
GXR-1 Cert				3.52						0.960										23.6			
GXR-1 Meas				3.64						0.95										25.7			
GXR-1 Cert				3.52						0.960										23.6			
GXR-1 Meas				3.72						0.92										25.0			
GXR-1 Cert				3.52						0.960										23.6			
NIST 696 Meas				> 25.0										320									
NIST 696 Cert				28.9										321.0									
NIST 696 Meas														310									
NIST 696 Cert														321.0									
NIST 696 Meas														270									
NIST 696 Cert														321.0									
NIST 696 Meas														280									
NIST 696 Cert														321.0									
NIST 696 Meas														310									
NIST 696 Cert														321.0									
GBW 07239 (NCS DC 70007) Meas					< 5				< 2			60.3	13.7			47					25.1		12.1
GBW 07239 (NCS DC 70007) Cert					1.0				1.0			60.3	13.5			48.6					23.1		12.4
GBW 07239 (NCS DC 70007) Meas					< 5				< 2			60.7	14.0			48					23.9		12.2
GBW 07239 (NCS DC 70007) Cert					1.0				1.0			60.3	13.5			48.6					23.1		12.4
GBW 07239 (NCS DC 70007) Meas					< 5				< 2			66.5	15.2			52					25.6		13.0
GBW 07239 (NCS DC 70007) Cert					1.0				1.0			60.3	13.5			48.6					23.1		12.4
OREAS 131a (Fusion) Meas					89		791				82		23.0			315				5.67			
OREAS 131a (Fusion) Cert					91		865				80		25			324				5.90			
OREAS 131a (Fusion) Meas					88		846				80		24.7			331				5.66			
OREAS 131a (Fusion) Cert					91		865				80		25			324				5.90			
OREAS 131a (Fusion) Meas					81		849				81		22.0			288				5.85			

Analyte Symbol	Li	Li2O	Rb	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	Fe	Ga	Gd	Ge
Unit Symbol	%	%	%	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
Lower Limit	0.01	0.01	0.01	0.01	5	10	3	3	2	0.01	2	0.8	0.2	30	0.1	2	0.3	0.1	0.1	0.05	0.2	0.1	0.7
Method Code	FUS-Na2O2	FUS-Na2O2	FUS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
OREAS 131a (Fusion) Cert					91		865				80		25			324				5.90			
OREAS 131a (Fusion) Meas					81		833				80		23.2			314				5.60			
OREAS 131a (Fusion) Cert					91		865				80		25			324				5.90			
OREAS 131a (Fusion) Meas					86		907				83		24.8			328				5.62			
OREAS 131a (Fusion) Cert					91		865				80		25			324				5.90			
MP-1b Meas					> 10000				955	2.44	530					> 10000				8.34			
MP-1b Cert					23000.00				954.000	2.47	527.000					30690.000				8.19			
MP-1b Meas					> 10000				990	2.45	553					> 10000				7.97			
MP-1b Cert					23000.00				954.000	2.47	527.000					30690.000				8.19			
MP-1b Meas					> 10000				887	2.56	533					> 10000				8.12			
MP-1b Cert					23000.00				954.000	2.47	527.000					30690.000				8.19			
MP-1b Meas					> 10000				957	2.56	544					> 10000				8.06			
MP-1b Cert					23000.00				954.000	2.47	527.000					30690.000				8.19			
MP-1b Meas					> 10000				945	2.56	549					> 10000				7.99			
MP-1b Cert					23000.00				954.000	2.47	527.000					30690.000				8.19			
MP-1b Meas					> 10000				930	2.54	549					> 10000				8.19			
MP-1b Cert					23000.00				954.000	2.47	527.000					30690.000				8.19			
OREAS 101a (Fusion) Meas												1310	45.7			397	30.9	19.8	7.6	11.1		36.9	
OREAS 101a (Fusion) Cert												1396	48.8			434	33.3	19.5	8.06	11.06		43.4	
OREAS 101a (Fusion) Meas												1490	52.9			452	32.9	20.7	8.5	11.1		40.1	
OREAS 101a (Fusion) Cert												1396	48.8			434	33.3	19.5	8.06	11.06		43.4	
OREAS 101a (Fusion) Meas												1420	43.5			378	32.4	21.0	8.8	11.2		42.2	
OREAS 101a (Fusion) Cert												1396	48.8			434	33.3	19.5	8.06	11.06		43.4	
OREAS 101a (Fusion) Meas												1380	47.2			397	30.2	18.8	7.8	10.9		36.9	
OREAS 101a (Fusion) Cert												1396	48.8			434	33.3	19.5	8.06	11.06		43.4	
OREAS 101a												1490	49.6			423	32.7	19.9	8.5	10.9		40.2	

Analyte Symbol	Li	Li2O	Rb	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	Fe	Ga	Gd	Ge
Unit Symbol	%	%	%	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
Lower Limit	0.01	0.01	0.01	0.01	5	10	3	3	2	0.01	2	0.8	0.2	30	0.1	2	0.3	0.1	0.1	0.05	0.2	0.1	0.7
Method Code	FUS-Na2O2	FUS-Na2O2	FUS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
(Fusion) Meas																							
OREAS 101a (Fusion) Cert												1396	48.8			434	33.3	19.5	8.06	11.06		43.4	
OREAS 13b (fusion) Meas				8.51						5.41										8.34			
OREAS 13b (fusion) Cert				8.41						5.57										8.41			
OREAS 13b (fusion) Meas				8.22						5.46										8.36			
OREAS 13b (fusion) Cert				8.41						5.57										8.41			
OREAS 13b (fusion) Meas				8.80						5.80										8.69			
OREAS 13b (fusion) Cert				8.41						5.57										8.41			
OREAS 13b (fusion) Meas				8.48						5.53										8.25			
OREAS 13b (fusion) Cert				8.41						5.57										8.41			
OREAS 13b (fusion) Meas				8.42						5.37										8.14			
OREAS 13b (fusion) Cert				8.41						5.57										8.41			
NCS DC86303 Meas	0.21	0.45	0.04												316								
NCS DC86303 Cert	0.21	0.460	0.133												350								
NCS DC86303 Meas															363								
NCS DC86303 Cert															350								
NCS DC86303 Meas															350								
NCS DC86303 Cert															350								
NCS DC86303 Meas															365								
NCS DC86303 Cert															350								
NCS DC86314 Meas	1.82	3.91	1.24												2630								
NCS DC86314 Cert	1.81	3.89	1.14												2830								
NCS DC86314 Meas															2850								
NCS DC86314															2830								

Analyte Symbol	Li	Li2O	Rb	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	Fe	Ga	Gd	Ge
Unit Symbol	%	%	%	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
Lower Limit	0.01	0.01	0.01	0.01	5	10	3	3	2	0.01	2	0.8	0.2	30	0.1	2	0.3	0.1	0.1	0.05	0.2	0.1	0.7
Method Code	FUS-Na2O2	FUS-Na2O2	FUS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
Cert																							
NCS DC86314 Meas															2760								
NCS DC86314 Cert															2830								
NCS DC86314 Meas															2980								
NCS DC86314 Cert															2830								
OREAS 922 (Peroxide Fusion) Meas	< 0.01		< 0.01	7.62			428		12	0.55		83.0	19.7	70	7.3	2090	5.3	3.1	1.3	5.67	21.2	6.1	
OREAS 922 (Peroxide Fusion) Cert	0.00288		0.0167	7.59			481		10.8	0.486		88.0	20.9	90.0	7.50	2215	5.75	3.38	1.52	5.71	21.2	6.94	
OREAS 922 (Peroxide Fusion) Meas				7.50			473		12	0.53		90.2	22.0	70	7.7	2260	5.6	3.4	1.4	5.64	21.3	6.5	
OREAS 922 (Peroxide Fusion) Cert				7.59			481		10.8	0.486		88.0	20.9	90.0	7.50	2215	5.75	3.38	1.52	5.71	21.2	6.94	
OREAS 922 (Peroxide Fusion) Meas				7.41			463		19	0.50		87.9	18.7	50	7.1	2000	5.4	3.3	1.5	5.70	20.4	6.9	
OREAS 922 (Peroxide Fusion) Cert				7.59			481		10.8	0.486		88.0	20.9	90.0	7.50	2215	5.75	3.38	1.52	5.71	21.2	6.94	
OREAS 922 (Peroxide Fusion) Meas				7.70			449		9	0.56		83.6	19.5	70	6.7	2100	5.2	3.2	1.4	5.57	19.7	6.4	
OREAS 922 (Peroxide Fusion) Cert				7.59			481		10.8	0.486		88.0	20.9	90.0	7.50	2215	5.75	3.38	1.52	5.71	21.2	6.94	
OREAS 621 (Peroxide Fusion) Meas				6.84	81		2310	< 3	4	2.13	270	48.4	28.4	< 30	2.9	3430				3.76	26.4		
OREAS 621 (Peroxide Fusion) Cert				6.63	85.0		2610	2.00	4.00	2.00	295	52.0	31.4	48.7	3.59	3680				3.71	26.5		
OREAS 621 (Peroxide Fusion) Meas				6.53	86		2720	< 3	4	1.86	275	59.7	33.7	40	3.9	3860				3.76	27.0		
OREAS 621 (Peroxide Fusion) Cert				6.63	85.0		2610	2.00	4.00	2.00	295	52.0	31.4	48.7	3.59	3680				3.71	26.5		
OREAS 621 (Peroxide Fusion)				6.55	81		2600	< 3	4	2.05	273	56.3	26.9	< 30	3.1	3200				3.74	25.4		

Analyte Symbol	Li	Li2O	Rb	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	Fe	Ga	Gd	Ge
Unit Symbol	%	%	%	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
Lower Limit	0.01	0.01	0.01	0.01	5	10	3	3	2	0.01	2	0.8	0.2	30	0.1	2	0.3	0.1	0.1	0.05	0.2	0.1	0.7
Method Code	FUS-Na2O2	FUS-Na2O2	FUS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
Meas																							
OREAS 621 (Peroxide Fusion) Cert				6.63	85.0		2610	2.00	4.00	2.00	295	52.0	31.4	48.7	3.59	3680				3.71	26.5		
OREAS 621 (Peroxide Fusion) Meas				6.61	84		2830	< 3	4	2.05	291	58.2	33.1	< 30	3.6	3840				3.81	26.7		
OREAS 621 (Peroxide Fusion) Cert				6.63	85.0		2610	2.00	4.00	2.00	295	52.0	31.4	48.7	3.59	3680				3.71	26.5		
OREAS 621 (Peroxide Fusion) Meas				6.88						2.04										3.82			
OREAS 621 (Peroxide Fusion) Cert				6.63						2.00										3.71			
109291 Orig				8.03	12	20	25	< 3	< 2	8.02	< 2	10.1	60.1	220	2.0	136	3.7	2.6	0.8	8.96	18.3	3.3	< 0.7
109291 Dup				8.11	7	10	26	< 3	< 2	7.99	< 2	10.1	60.5	200	2.0	136	3.9	2.7	0.9	8.91	18.5	3.2	< 0.7
109299 Orig				7.47	10	1630	30	144	13	0.92	< 2	2.4	2.8	< 30	50.7	20	0.3	0.2	0.1	0.84	58.7	0.5	5.3
109299 Dup				7.51	7	1600	31	139	14	0.94	< 2	2.6	2.8	< 30	49.7	20	0.3	0.2	0.2	0.84	57.4	0.5	8.8
109313 Orig				7.36	< 5	40	97	19	3	10.5	< 2	11.7	51.0	170	14.4	110	3.6	2.5	0.8	9.74	22.8	3.2	< 0.7
109313 Dup				7.48	< 5	40	96	19	4	10.5	< 2	12.0	52.6	180	14.9	113	3.7	2.6	0.8	9.73	23.3	3.1	< 0.7
109321 Orig				7.69	< 5	< 10	89	< 3	< 2	7.00	< 2	15.5	61.6	80	0.7	174	4.7	2.9	1.2	12.2	23.7	4.4	< 0.7
109321 Dup				7.92	< 5	< 10	89	< 3	< 2	6.88	< 2	15.6	62.9	80	0.7	188	4.5	3.0	1.2	12.3	24.3	4.6	< 0.7
109335 Orig				7.64	< 5	< 10	26	4	< 2	7.51	< 2	7.5	53.0	130	18.1	109	3.8	2.6	0.8	9.58	19.4	3.2	< 0.7
109335 Dup				7.65	< 5	< 10	27	4	< 2	7.50	< 2	7.5	53.4	140	17.5	110	3.9	2.7	0.8	9.58	19.7	3.0	< 0.7
109342 Orig				6.68	< 5	10	58	< 3	< 2	6.25	< 2	21.5	42.3	< 30	2.4	55	6.7	4.6	1.6	13.1	25.2	6.2	< 0.7
109342 Dup				6.87	< 5	20	59	< 3	< 2	6.46	< 2	22.5	42.1	< 30	2.7	53	7.0	4.7	1.7	13.3	24.8	6.3	< 0.7
109356 Orig				7.39	9	< 10	48	< 3	< 2	8.25	< 2	7.6	53.3	170	0.6	111	3.6	2.5	0.7	9.84	16.1	2.8	< 0.7
109356 Dup				7.40	5	10	48	< 3	< 2	8.36	< 2	7.8	53.9	160	0.5	117	3.6	2.6	0.7	9.86	16.3	2.9	< 0.7
109364 Orig				7.98	< 5	360	16	218	6	0.29	< 2	< 0.8	0.4	< 30	21.4	3	< 0.3	< 0.1	< 0.1	0.64	68.0	< 0.1	5.0
109364 Dup				8.03	< 5	370	16	224	5	0.28	< 2	< 0.8	0.4	< 30	20.9	8	< 0.3	< 0.1	< 0.1	0.64	68.4	< 0.1	4.6
109384 Orig				7.72	< 5	1230	59	9	< 2	4.29	< 2	15.0	50.2	60	160	158	5.2	3.3	1.3	10.3	26.2	4.9	< 0.7
109384 Split PREP DUP				7.74	< 5	1380	61	11	< 2	4.32	< 2	14.8	50.1	50	166	162	5.1	3.1	1.2	10.4	26.0	4.8	< 0.7
109386 Orig				8.40	< 5	100	4	86	5	0.17	2	< 0.8	0.6	90	60.9	< 2	< 0.3	< 0.1	< 0.1	0.51	75.4	< 0.1	7.0
109386 Dup				8.49	< 5	100	4	93	5	0.19	< 2	< 0.8	0.4	60	62.1	< 2	< 0.3	< 0.1	< 0.1	0.51	75.8	< 0.1	7.4
109400 Orig				7.66	9	2030	259	46	33	2.82	< 2	26.4	14.0	< 30	1250	134	8.4	5.0	1.8	8.84	59.6	8.4	6.1
109400 Dup				7.66	< 5	2060	257	49	35	2.95	< 2	27.7	14.4	< 30	1230	134	8.5	5.1	1.7	8.91	60.6	8.7	5.5
109408 Orig				8.45	< 5	30	< 3	259	< 2	0.21	< 2	< 0.8	< 0.2	< 30	32.8	< 2	< 0.3	< 0.1	< 0.1	0.37	51.2	< 0.1	4.7
109408 Dup				8.49	< 5	30	< 3	258	< 2	0.23	< 2	< 0.8	< 0.2	< 30	34.3	< 2	< 0.3	< 0.1	< 0.1	0.38	51.2	< 0.1	4.7
109422 Orig				8.43	7	20	3	132	2	0.15	< 2	< 0.8	< 0.2	< 30	31.6	< 2	< 0.3	< 0.1	< 0.1	0.24	56.5	< 0.1	4.7
109422 Dup				8.57	7	20	5	127	2	0.13	< 2	< 0.8	< 0.2	< 30	31.1	7	< 0.3	< 0.1	< 0.1	0.24	55.1	< 0.1	5.2

Analyte Symbol	Li	Li2O	Rb	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	Fe	Ga	Gd	Ge
Unit Symbol	%	%	%	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
Lower Limit	0.01	0.01	0.01	0.01	5	10	3	3	2	0.01	2	0.8	0.2	30	0.1	2	0.3	0.1	0.1	0.05	0.2	0.1	0.7
Method Code	FUS-Na2O2	FUS-Na2O2	FUS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
109430 Orig				7.05	< 5	20	46	< 3	< 2	5.55	< 2	23.1	46.1	< 30	15.4	89	6.8	4.3	1.7	11.7	25.0	6.7	3.8
109430 Split PREP DUP				6.88	< 5	10	46	< 3	< 2	5.18	< 2	20.6	45.2	< 30	15.9	80	6.5	4.2	1.5	11.5	24.5	6.4	3.7
Method Blank				< 0.01	< 5	< 10	< 3	< 3	< 2	< 0.01	< 2	< 0.8	< 0.2	< 30	0.2	5	< 0.3	< 0.1	< 0.1	< 0.05	0.3	< 0.1	< 0.7
Method Blank				< 0.01	< 5	< 10	< 3	< 3	< 2	< 0.01	< 2	< 0.8	< 0.2	40	< 0.1	< 2	< 0.3	< 0.1	< 0.1	< 0.05	0.3	< 0.1	< 0.7
Method Blank				< 0.01	< 5	20	< 3	< 3	< 2	< 0.01	< 2	< 0.8	< 0.2	< 30	< 0.1	< 2	< 0.3	< 0.1	< 0.1	< 0.05	0.3	< 0.1	< 0.7
Method Blank				< 0.01	< 5	< 10	< 3	< 3	< 2	< 0.01	< 2	< 0.8	< 0.2	< 30	< 0.1	< 2	< 0.3	< 0.1	< 0.1	< 0.05	< 0.2	< 0.1	2.2
Method Blank				< 0.01	< 5	< 10	< 3	< 3	< 2	0.05	< 2	< 0.8	< 0.2	< 30	0.3	< 2	< 0.3	< 0.1	< 0.1	< 0.05	0.2	< 0.1	< 0.7
Method Blank				< 0.01						< 0.01										< 0.05			
Method Blank				< 0.01	< 5	< 10	< 3	< 3	< 2	0.05	< 2	< 0.8	< 0.2	< 30	< 0.1	< 2	< 0.3	< 0.1	< 0.1	< 0.05	0.3	< 0.1	< 0.7
Method Blank				< 0.01	< 5	< 10	< 3	< 3	< 2	0.04	< 2	< 0.8	< 0.2	< 30	< 0.1	< 2	< 0.3	< 0.1	< 0.1	< 0.05	< 0.2	< 0.1	< 0.7
Method Blank				< 0.01	9	10	< 3	< 3	< 2	0.08	< 2	< 0.8	< 0.2	< 30	< 0.1	2	< 0.3	< 0.1	< 0.1	< 0.05	< 0.2	< 0.1	< 0.7
Method Blank				< 0.01	< 5	< 10	< 3	< 3	< 2	0.03	< 2	< 0.8	< 0.2	< 30	0.5	< 2	< 0.3	< 0.1	< 0.1	< 0.05	< 0.2	< 0.1	< 0.7
Method Blank				< 0.01	< 5	< 10	< 3	< 3	< 2	< 0.01	2	< 0.8	0.3	< 30	< 0.1	8	< 0.3	< 0.1	< 0.1	< 0.05	< 0.2	< 0.1	< 0.7
Method Blank				< 0.01	< 5	10	< 3	< 3	< 2	< 0.01	< 2	< 0.8	< 0.2	< 30	< 0.1	< 2	< 0.3	< 0.1	< 0.1	< 0.05	< 0.2	< 0.1	1.1
Method Blank				< 0.01	< 5	< 10	< 3	< 3	< 2	0.03	< 2	< 0.8	< 0.2	< 30	< 0.1	< 2	< 0.3	< 0.1	< 0.1	0.10	< 0.2	< 0.1	< 0.7
Method Blank				< 0.01	< 5	< 10	< 3	< 3	< 2	0.06	< 2	< 0.8	< 0.2	< 30	1.4	< 2	< 0.3	< 0.1	< 0.1	< 0.05	< 0.2	< 0.1	2.3
Method Blank	< 0.01	< 0.01	< 0.01																				

Analyte Symbol	Ho	Hf	In	K	La	Li	Mg	Mn	Mo	Nb	Nd	Ni	Pb	Pr	Rb	S	Sb	Se	Si	Sm	Sn	Sr	Ta
Unit Symbol	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
Lower Limit	0.2	10	0.2	0.1	0.4	3	0.01	3	1	2.4	0.4	10	0.8	0.1	0.4	0.01	2	0.8	0.01	0.1	0.5	3	0.2
Method Code	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
GXR-1 Meas		< 10	0.5	< 0.1	6.9	9	0.23	827	18	< 2.4	8.6	40	767		3.0	0.28	123	15.2		2.9	54.5	284	< 0.2
GXR-1 Cert		0.960	0.770	0.050	7.50	8.20	0.217	852	18.0	0.800	18.0	41.0	730		14.0	0.257	122	16.6		2.70	54.0	275	0.175
GXR-1 Meas		< 10	0.8	< 0.1	7.2	9	0.23	866	17	< 2.4	8.6	30	750		4.2	0.25	121	15.4		2.6	53.3	278	< 0.2
GXR-1 Cert		0.960	0.770	0.050	7.50	8.20	0.217	852	18.0	0.800	18.0	41.0	730		14.0	0.257	122	16.6		2.70	54.0	275	0.175
GXR-1 Meas				< 0.1			0.22									0.25							
GXR-1 Cert				0.050			0.217									0.257							
GXR-1 Meas				< 0.1			0.22									0.27							
GXR-1 Cert				0.050			0.217									0.257							
GXR-1 Meas				< 0.1			0.23									0.26							
GXR-1 Cert				0.050			0.217									0.257							
NIST 696 Meas																							
NIST 696 Cert																							
NIST 696 Meas																							
NIST 696 Cert																							
NIST 696 Meas																							
NIST 696 Cert																							
NIST 696 Meas																							
NIST 696 Cert																							
NIST 696 Meas																							
NIST 696 Cert																							
GBW 07239 (NCS DC 70007) Meas					35.5			> 10000	1130		30.8	20	25.2	7.9							31.5		
GBW 07239 (NCS DC 70007) Cert					37.4			11540.000	1100		29.8	20.9	26.1	7.40							33.2		
GBW 07239 (NCS DC 70007) Meas					36.7			> 10000	1120		31.0	20	21.4	8.0							30.8		
GBW 07239 (NCS DC 70007) Cert					37.4			11540.000	1100		29.8	20.9	26.1	7.40							33.2		
GBW 07239 (NCS DC 70007) Meas					40.8			> 10000	1200		33.6	20	36.5	8.7							33.1		
GBW 07239 (NCS DC 70007) Cert					37.4			11540.000	1100		29.8	20.9	26.1	7.40							33.2		
OREAS 131a (Fusion) Meas													> 5000			5.17	49						
OREAS 131a (Fusion) Cert													17400.00			4.82	49						
OREAS 131a (Fusion) Meas													> 5000			4.95	47						
OREAS 131a (Fusion) Cert													17400.00			4.82	49						
OREAS 131a (Fusion) Meas													> 5000			4.73	46						
OREAS 131a													17400.			4.82	49						

Analyte Symbol	Ho	Hf	In	K	La	Li	Mg	Mn	Mo	Nb	Nd	Ni	Pb	Pr	Rb	S	Sb	Se	Si	Sm	Sn	Sr	Ta
Unit Symbol	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
Lower Limit	0.2	10	0.2	0.1	0.4	3	0.01	3	1	2.4	0.4	10	0.8	0.1	0.4	0.01	2	0.8	0.01	0.1	0.5	3	0.2
Method Code	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
(Fusion) Cert													00										
OREAS 131a (Fusion) Meas													> 5000			4.59	46						
OREAS 131a (Fusion) Cert													17400.00			4.82	49						
OREAS 131a (Fusion) Meas													> 5000			4.71	48						
OREAS 131a (Fusion) Cert													17400.00			4.82	49						
MP-1b Meas			568				< 0.01		287				> 5000			15.5	49		17.5		> 10000		
MP-1b Cert			565.0000				0.024		285				20900			13.79	54.0		16.79		16100		
MP-1b Meas			564				< 0.01		304				> 5000			14.6	49		16.2		> 10000		
MP-1b Cert			565.0000				0.024		285				20900			13.79	54.0		16.79		16100		
MP-1b Meas			559				0.02		289				> 5000			13.8	49		16.9		> 10000		
MP-1b Cert			565.0000				0.024		285				20900			13.79	54.0		16.79		16100		
MP-1b Meas			566				0.03		302				> 5000			13.4	50		16.7		> 10000		
MP-1b Cert			565.0000				0.024		285				20900			13.79	54.0		16.79		16100		
MP-1b Meas			577				0.02		316				> 5000			13.6	56		16.6		> 10000		
MP-1b Cert			565.0000				0.024		285				20900			13.79	54.0		16.79		16100		
MP-1b Meas			554				0.02		317				> 5000			13.9	53		17.2		> 10000		
MP-1b Cert			565.0000				0.024		285				20900			13.79	54.0		16.79		16100		
OREAS 101a (Fusion) Meas	6.4			2.5	700		1.30	890	19		378		6.6	125						46.4			
OREAS 101a (Fusion) Cert	6.46			2.34	816		1.23	964	21.9		403		19	134						48.8			
OREAS 101a (Fusion) Meas	6.8			2.2	804		1.20	958	20		427		8.1	143						51.8			
OREAS 101a (Fusion) Cert	6.46			2.34	816		1.23	964	21.9		403		19	134						48.8			
OREAS 101a (Fusion) Meas	6.7			2.3	777		1.22	855	19		408		9.7	134						50.2			
OREAS 101a (Fusion) Cert	6.46			2.34	816		1.23	964	21.9		403		19	134						48.8			
OREAS 101a (Fusion) Meas	6.3			2.2	762		1.22	898	18		388		4.5	128						45.9			
OREAS 101a (Fusion) Cert	6.46			2.34	816		1.23	964	21.9		403		19	134						48.8			
OREAS 101a (Fusion) Meas	6.7			2.3	825		1.23	940	20		423		6.6	139						49.9			

Analyte Symbol	Ho	Hf	In	K	La	Li	Mg	Mn	Mo	Nb	Nd	Ni	Pb	Pr	Rb	S	Sb	Se	Si	Sm	Sn	Sr	Ta
Unit Symbol	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
Lower Limit	0.2	10	0.2	0.1	0.4	3	0.01	3	1	2.4	0.4	10	0.8	0.1	0.4	0.01	2	0.8	0.01	0.1	0.5	3	0.2
Method Code	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
OREAS 101a (Fusion) Cert	6.46			2.34	816		1.23	964	21.9		403		19	134						48.8			
OREAS 13b (fusion) Meas				2.4			3.11									1.32			22.6				
OREAS 13b (fusion) Cert				2.30			3.01									1.19			22.9				
OREAS 13b (fusion) Meas				2.2			2.99									1.25			22.3				
OREAS 13b (fusion) Cert				2.30			3.01									1.19			22.9				
OREAS 13b (fusion) Meas				2.4			3.14									1.24			23.9				
OREAS 13b (fusion) Cert				2.30			3.01									1.19			22.9				
OREAS 13b (fusion) Meas				2.3			3.06									1.20			23.6				
OREAS 13b (fusion) Cert				2.30			3.01									1.19			22.9				
OREAS 13b (fusion) Meas				2.3			3.04									1.19			22.9				
OREAS 13b (fusion) Cert				2.30			3.01									1.19			22.9				
NCS DC86303 Meas						2150									1260								
NCS DC86303 Cert						2100.00									1330								
NCS DC86303 Meas						2110									1310								
NCS DC86303 Cert						2100.00									1330								
NCS DC86303 Meas						2080									1310								
NCS DC86303 Cert						2100.00									1330								
NCS DC86303 Meas						2010									1380								
NCS DC86303 Cert						2100.00									1330								
NCS DC86314 Meas						> 10000									> 5000						153		
NCS DC86314 Cert						18100.00									11400						152		
NCS DC86314 Meas						> 10000									> 5000						149		
NCS DC86314 Cert						18100.00									11400						152		

Analyte Symbol	Ho	Hf	In	K	La	Li	Mg	Mn	Mo	Nb	Nd	Ni	Pb	Pr	Rb	S	Sb	Se	Si	Sm	Sn	Sr	Ta
Unit Symbol	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
Lower Limit	0.2	10	0.2	0.1	0.4	3	0.01	3	1	2.4	0.4	10	0.8	0.1	0.4	0.01	2	0.8	0.01	0.1	0.5	3	0.2
Method Code	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
NCS DC86314 Meas						> 10000									> 5000						149		
NCS DC86314 Cert						18100.00									11400						152		
NCS DC86314 Meas						> 10000									> 5000						158		
NCS DC86314 Cert						18100.00									11400						152		
OREAS 922 (Peroxide Fusion) Meas	1.1	< 10	0.2	2.7	39.3	32	1.69	789		11.9	35.7	40	61.7	9.6	157	0.43			> 30.0	6.6	10.9	57	0.9
OREAS 922 (Peroxide Fusion) Cert	1.20	5.93	0.340	2.60	45.6	28.8	1.61	880		15.2	38.9	43.4	64.0	10.6	167	0.389			30.51	7.31	10.0	58.0	1.33
OREAS 922 (Peroxide Fusion) Meas	1.1	< 10	0.3	2.6	43.3	30	1.64	824		12.5	37.7	40	62.9	10.4	169	0.37			> 30.0	7.2	10.3	62	0.9
OREAS 922 (Peroxide Fusion) Cert	1.20	5.93	0.340	2.60	45.6	28.8	1.61	880		15.2	38.9	43.4	64.0	10.6	167	0.389			30.51	7.31	10.0	58.0	1.33
OREAS 922 (Peroxide Fusion) Meas	1.1	< 10	0.3	2.6	42.1	33	1.64	796		9.4	36.8	10	61.6	10.2	161	0.39			> 30.0	7.2	10.7	58	0.7
OREAS 922 (Peroxide Fusion) Cert	1.20	5.93	0.340	2.60	45.6	28.8	1.61	880		15.2	38.9	43.4	64.0	10.6	167	0.389			30.51	7.31	10.0	58.0	1.33
OREAS 922 (Peroxide Fusion) Meas	1.0	< 10	0.3	2.7	41.5	31	1.70	801		12.9	37.0	30	56.9	9.8	154	0.39			> 30.0	6.5	9.6	52	1.0
OREAS 922 (Peroxide Fusion) Cert	1.20	5.93	0.340	2.60	45.6	28.8	1.61	880		15.2	38.9	43.4	64.0	10.6	167	0.389			30.51	7.31	10.0	58.0	1.33
OREAS 621 (Peroxide Fusion) Meas			2.2	2.3	24.0		0.48	506	13	6.7	20.4		> 5000	5.5	78.6	5.13	136		28.9			85	
OREAS 621 (Peroxide Fusion) Cert			1.93	2.23	26.1		0.516	554	13.5	10.4	24.2		13300	6.64	89.0	4.51	146		28.1			101	
OREAS 621 (Peroxide Fusion) Meas			2.1	2.2	28.9		0.51	571	15	8.6	24.7		> 5000	6.6	90.5	4.57	142		27.7			108	
OREAS 621 (Peroxide Fusion) Cert			1.93	2.23	26.1		0.516	554	13.5	10.4	24.2		13300	6.64	89.0	4.51	146		28.1			101	
OREAS 621 (Peroxide Fusion) Meas			1.8	2.2	27.7		0.51	490	13	5.2	24.5		> 5000	6.5	82.5	4.53	143		27.8			99	

Analyte Symbol	Ho	Hf	In	K	La	Li	Mg	Mn	Mo	Nb	Nd	Ni	Pb	Pr	Rb	S	Sb	Se	Si	Sm	Sn	Sr	Ta
Unit Symbol	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
Lower Limit	0.2	10	0.2	0.1	0.4	3	0.01	3	1	2.4	0.4	10	0.8	0.1	0.4	0.01	2	0.8	0.01	0.1	0.5	3	0.2
Method Code	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
OREAS 621 (Peroxide Fusion) Cert			1.93	2.23	26.1		0.516	554	13.5	10.4	24.2		13300	6.64	89.0	4.51	146		28.1			101	
OREAS 621 (Peroxide Fusion) Meas			1.8	2.2	30.1		0.53	608	14	9.6	24.4		> 5000	6.6	90.2	4.59	148		28.1			105	
OREAS 621 (Peroxide Fusion) Cert			1.93	2.23	26.1		0.516	554	13.5	10.4	24.2		13300	6.64	89.0	4.51	146		28.1			101	
OREAS 621 (Peroxide Fusion) Meas				2.2			0.52									4.72			29.1				
OREAS 621 (Peroxide Fusion) Cert				2.23			0.516									4.51			28.1				
109291 Orig	0.8	< 10	< 0.2	0.2	3.4	557	3.99	1690	< 1	< 2.4	7.6	80	3.7	1.5	18.1	0.07	< 2	6.0	23.9	2.4	1.2	47	< 0.2
109291 Dup	0.8	< 10	< 0.2	0.2	3.4	551	3.98	1670	< 1	< 2.4	7.7	90	5.4	1.5	17.9	0.06	3	8.4	24.0	2.4	< 0.5	46	< 0.2
109299 Orig	< 0.2	< 10	< 0.2	0.6	0.9	163	0.18	287	14	78.4	1.8	< 10	8.3	0.4	570	0.05	< 2	12.4	> 30.0	0.5	10.2	114	84.5
109299 Dup	< 0.2	< 10	< 0.2	0.7	0.9	157	0.18	285	32	80.8	1.9	< 10	4.6	0.4	567	0.04	7	0.9	> 30.0	0.6	9.8	116	88.0
109313 Orig	0.8	< 10	< 0.2	0.3	4.5	182	3.26	2240	1	2.9	8.0	60	6.4	1.6	48.7	0.41	< 2	3.7	21.6	2.2	9.1	155	0.3
109313 Dup	0.8	< 10	< 0.2	0.3	4.6	187	3.26	2280	2	3.2	8.1	70	5.6	1.7	49.7	0.43	5	2.9	22.2	2.3	9.9	159	0.4
109321 Orig	1.0	< 10	< 0.2	0.3	5.6	168	3.40	1770	< 1	3.3	11.5	80	2.0	2.3	3.6	0.03	< 2	1.7	22.4	3.5	< 0.5	155	< 0.2
109321 Dup	1.0	< 10	< 0.2	0.2	5.8	164	3.50	1800	< 1	3.5	11.9	80	1.5	2.3	3.8	0.03	< 2	2.1	22.7	3.5	< 0.5	156	0.7
109335 Orig	0.8	< 10	< 0.2	0.4	2.4	1640	4.10	1720	< 1	3.1	6.3	60	2.7	1.2	87.3	0.07	< 2	1.2	23.3	2.2	5.3	97	0.5
109335 Dup	0.9	< 10	< 0.2	0.4	2.4	1690	4.11	1730	< 1	3.0	6.2	60	4.7	1.2	86.1	0.07	< 2	2.0	23.9	2.2	5.5	98	0.5
109342 Orig	1.5	< 10	< 0.2	0.5	8.1	905	2.34	1960	< 1	4.9	15.6	20	1.5	3.1	35.5	0.15	4	2.3	23.3	4.7	0.7	116	0.3
109342 Dup	1.5	< 10	< 0.2	0.5	8.3	911	2.38	1930	< 1	5.0	16.2	20	< 0.8	3.3	35.6	0.15	< 2	2.0	23.9	4.6	0.7	118	0.4
109356 Orig	0.8	< 10	< 0.2	0.2	2.6	140	3.90	1990	< 1	< 2.4	6.2	70	< 0.8	1.2	5.5	0.06	< 2	< 0.8	23.0	2.0	1.0	127	< 0.2
109356 Dup	0.8	< 10	< 0.2	0.2	2.6	141	3.93	1990	< 1	< 2.4	6.3	80	< 0.8	1.2	5.4	0.05	< 2	< 0.8	23.4	2.0	< 0.5	129	< 0.2
109364 Orig	< 0.2	< 10	< 0.2	0.9	< 0.4	2110	0.04	908	112	58.8	< 0.4	< 10	5.7	< 0.1	441	< 0.01	< 2	< 0.8	> 30.0	< 0.1	71.5	17	35.6
109364 Dup	< 0.2	< 10	< 0.2	0.9	< 0.4	2190	0.04	911	82	64.2	< 0.4	< 10	3.2	< 0.1	436	< 0.01	< 2	< 0.8	> 30.0	< 0.1	73.5	16	38.9
109384 Orig	1.1	< 10	< 0.2	1.0	5.1	3440	2.13	1870	1	10.9	11.5	40	1.3	2.3	736	0.30	< 2	< 0.8	25.3	3.7	10.0	68	12.0
109384 Split PREP DUP	1.0	< 10	< 0.2	1.0	5.1	3380	2.12	1850	2	9.3	11.3	30	< 0.8	2.3	759	0.32	4	< 0.8	25.0	3.4	11.9	65	10.7
109386 Orig	< 0.2	< 10	< 0.2	3.0	< 0.4	> 10000	0.02	784	10	52.7	< 0.4	< 10	31.1	< 0.1	1610	0.01	< 2	< 0.8	> 30.0	< 0.1	187	8	34.3
109386 Dup	< 0.2	< 10	< 0.2	3.1	< 0.4	> 10000	0.02	813	10	53.3	< 0.4	< 10	29.8	< 0.1	1620	< 0.01	< 2	< 0.8	> 30.0	< 0.1	219	9	35.7
109400 Orig	1.8	< 10	< 0.2	2.2	10.1	1990	0.62	4170	109	65.3	20.1	< 10	33.1	4.0	4760	1.00	< 2	6.4	24.6	5.8	1500	80	114
109400 Dup	1.7	< 10	< 0.2	2.1	10.2	1990	0.63	4210	127	55.5	21.1	< 10	16.6	4.2	4840	0.99	< 2	5.0	24.5	6.2	1520	84	115
109408 Orig	< 0.2	< 10	< 0.2	0.4	< 0.4	539	< 0.01	1370	< 1	130.0	< 0.4	< 10	2.3	< 0.1	354	< 0.01	< 2	3.5	> 30.0	< 0.1	218	11	123
109408 Dup	< 0.2	< 10	< 0.2	0.5	< 0.4	548	< 0.01	1370	< 1	137.1	< 0.4	< 10	< 0.8	< 0.1	354	< 0.01	< 2	1.9	> 30.0	< 0.1	226	12	128
109422 Orig	< 0.2	< 10	< 0.2	0.8	< 0.4	687	< 0.01	807	31	73.8	< 0.4	< 10	9.4	< 0.1	651	< 0.01	< 2	2.7	> 30.0	< 0.1	409	10	46.1
109422 Dup	< 0.2	< 10	< 0.2	0.8	< 0.4	653	< 0.01	806	24	78.9	< 0.4	< 10	4.4	< 0.1	634	< 0.01	18	2.5	> 30.0	< 0.1	372	9	45.6
109430 Orig	1.5	< 10	< 0.2	0.3	8.6	358	2.70	1740	< 1	6.9	16.3	20	2.9	3.4	47.4	0.12	< 2	1.6	24.8	4.7	3.1	164	0.5

Analyte Symbol	Ho	Hf	In	K	La	Li	Mg	Mn	Mo	Nb	Nd	Ni	Pb	Pr	Rb	S	Sb	Se	Si	Sm	Sn	Sr	Ta
Unit Symbol	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
Lower Limit	0.2	10	0.2	0.1	0.4	3	0.01	3	1	2.4	0.4	10	0.8	0.1	0.4	0.01	2	0.8	0.01	0.1	0.5	3	0.2
Method Code	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
109430 Split PREP DUP	1.4	< 10	< 0.2	0.2	8.1	375	2.64	1720	< 1	6.4	15.0	20	6.3	3.0	47.2	0.11	< 2	4.3	23.9	4.4	2.7	154	0.5
Method Blank	< 0.2	< 10	< 0.2	< 0.1	< 0.4	< 3	< 0.01	< 3	< 1	< 2.4	< 0.4	10	3.8	< 0.1	< 0.4	< 0.01	< 2	9.0	0.06	< 0.1	< 0.5	< 3	< 0.2
Method Blank	< 0.2	< 10	< 0.2	< 0.1	< 0.4	< 3	< 0.01	< 3	< 1	< 2.4	< 0.4	< 10	2.1	< 0.1	< 0.4	< 0.01	15	1.9	< 0.01	< 0.1	< 0.5	< 3	< 0.2
Method Blank	< 0.2	< 10	< 0.2	< 0.1	< 0.4	< 3	< 0.01	< 3	< 1	< 2.4	< 0.4	< 10	< 0.8	< 0.1	< 0.4	< 0.01	< 2	1.6	< 0.01	< 0.1	3.0	< 3	< 0.2
Method Blank	< 0.2	< 10	< 0.2	< 0.1	< 0.4	< 3	< 0.01	< 3	< 1	< 2.4	< 0.4	< 10	< 0.8	< 0.1	< 0.4	< 0.01	< 2	< 0.8	< 0.01	< 0.1	< 0.5	< 3	< 0.2
Method Blank	< 0.2	< 10	< 0.2	< 0.1	< 0.4	< 3	< 0.01	< 3	< 1	< 2.4	< 0.4	< 10	< 0.8	< 0.1	0.5	< 0.01	5	< 0.8	< 0.01	< 0.1	< 0.5	< 3	< 0.2
Method Blank				< 0.1			< 0.01									< 0.01			< 0.01				
Method Blank	< 0.2	< 10	< 0.2	< 0.1	< 0.4	< 3	< 0.01	< 3	< 1	< 2.4	< 0.4	< 10	4.0	< 0.1	< 0.4	< 0.01	< 2	3.7	< 0.01	< 0.1	< 0.5	< 3	< 0.2
Method Blank	< 0.2	< 10	< 0.2	< 0.1	< 0.4	< 3	< 0.01	< 3	1	< 2.4	< 0.4	< 10	< 0.8	< 0.1	< 0.4	< 0.01	< 2	< 0.8	< 0.01	< 0.1	< 0.5	< 3	< 0.2
Method Blank	< 0.2	< 10	< 0.2	< 0.1	< 0.4	< 3	< 0.01	7	< 1	< 2.4	< 0.4	< 10	< 0.8	< 0.1	< 0.4	0.01	< 2	1.8	0.01	< 0.1	0.5	3	< 0.2
Method Blank	< 0.2	< 10	< 0.2	< 0.1	< 0.4	< 3	< 0.01	< 3	< 1	< 2.4	< 0.4	< 10	< 0.8	< 0.1	< 0.4	< 0.01	< 2	< 0.8	< 0.01	< 0.1	< 0.5	< 3	< 0.2
Method Blank	< 0.2	< 10	< 0.2	< 0.1	< 0.4	< 3	< 0.01	< 3	< 1	< 2.4	< 0.4	70	< 0.8	< 0.1	< 0.4	< 0.01	< 2	< 0.8	< 0.01	< 0.1	< 0.5	< 3	< 0.2
Method Blank	< 0.2	< 10	< 0.2	< 0.1	< 0.4	< 3	< 0.01	< 3	< 1	< 2.4	< 0.4	10	< 0.8	< 0.1	< 0.4	< 0.01	< 2	1.1	< 0.01	< 0.1	< 0.5	< 3	< 0.2
Method Blank	< 0.2	< 10	< 0.2	< 0.1	< 0.4	< 3	< 0.01	< 3	< 1	< 2.4	< 0.4	10	< 0.8	< 0.1	< 0.4	< 0.01	< 2	< 0.8	< 0.01	< 0.1	< 0.5	< 3	< 0.2
Method Blank	< 0.2	10	< 0.2	< 0.1	< 0.4	< 3	< 0.01	< 3	< 1	< 2.4	< 0.4	< 10	1.6	< 0.1	1.2	< 0.01	< 2	< 0.8	< 0.01	< 0.1	< 0.5	< 3	< 0.2
Method Blank																							

Analyte Symbol	Tb	Te	Th	Ti	Tl	Tm	U	V	W	Y	Yb	Zn
Unit Symbol	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	6	0.1	0.01	0.1	0.1	0.1	5	0.7	0.1	0.1	30
Method Code	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
GXR-1 Meas	0.8	13	2.5	0.03	0.4	0.4	36.0	83	188	30.1	2.2	790
GXR-1 Cert	0.830	13.0	2.44	0.036	0.390	0.430	34.9	80.0	164	32.0	1.90	760
GXR-1 Meas	0.8	12	2.4	0.03	0.3	0.4	34.4	83	179	29.2	2.0	760
GXR-1 Cert	0.830	13.0	2.44	0.036	0.390	0.430	34.9	80.0	164	32.0	1.90	760
GXR-1 Meas				0.03								
GXR-1 Cert				0.036								
GXR-1 Meas				0.03								
GXR-1 Cert				0.036								
GXR-1 Meas				0.03								
GXR-1 Cert				0.036								
NIST 696 Meas								372				
NIST 696 Cert								403.0000				
NIST 696 Meas								393				
NIST 696 Cert								403.0000				
NIST 696 Meas								381				
NIST 696 Cert								403.0000				
NIST 696 Meas								365				
NIST 696 Cert								403.0000				
NIST 696 Meas								379				
NIST 696 Cert								403.0000				
GBW 07239 (NCS DC 70007) Meas									1020	37.2		120
GBW 07239 (NCS DC 70007) Cert									1000.00	34.2		120.000
GBW 07239 (NCS DC 70007) Meas									996	36.9		120
GBW 07239 (NCS DC 70007) Cert									1000.00	34.2		120.000
GBW 07239 (NCS DC 70007) Meas									1050	39.0		140
GBW 07239 (NCS DC 70007) Cert									1000.00	34.2		120.000
OREAS 131a (Fusion) Meas												> 10000
OREAS 131a (Fusion) Cert												28400.00
OREAS 131a (Fusion) Meas												> 10000
OREAS 131a												28400.

Analyte Symbol	Tb	Te	Th	Ti	Tl	Tm	U	V	W	Y	Yb	Zn
Unit Symbol	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	6	0.1	0.01	0.1	0.1	0.1	5	0.7	0.1	0.1	30
Method Code	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
(Fusion) Cert												00
OREAS 131a (Fusion) Meas												> 10000
OREAS 131a (Fusion) Cert												28400.00
OREAS 131a (Fusion) Meas												> 10000
OREAS 131a (Fusion) Cert												28400.00
OREAS 131a (Fusion) Meas												> 10000
OREAS 131a (Fusion) Cert												28400.00
MP-1b Meas									1100			> 10000
MP-1b Cert									1100.000			166700.00
MP-1b Meas									1080			> 10000
MP-1b Cert									1100.000			166700.00
MP-1b Meas									1030			> 10000
MP-1b Cert									1100.000			166700.00
MP-1b Meas									1120			> 10000
MP-1b Cert									1100.000			166700.00
MP-1b Meas									1200			> 10000
MP-1b Cert									1100.000			166700.00
MP-1b Meas									1120			> 10000
MP-1b Cert									1100.000			166700.00
OREAS 101a (Fusion) Meas	5.8		34.5	0.41		2.8	430	82		172	17.1	
OREAS 101a (Fusion) Cert	5.92		36.6	0.395		2.90	422	83		183	17.5	
OREAS 101a (Fusion) Meas	6.3		37.2	0.41		3.0	457	80		198	18.0	
OREAS 101a (Fusion) Cert	5.92		36.6	0.395		2.90	422	83		183	17.5	
OREAS 101a (Fusion) Meas	6.1		37.4	0.40		2.9	461	83		180	17.6	
OREAS 101a (Fusion) Cert	5.92		36.6	0.395		2.90	422	83		183	17.5	
OREAS 101a (Fusion) Meas	5.5		34.1	0.41		2.8	421	76		172	15.9	

Analyte Symbol	Tb	Te	Th	Ti	Tl	Tm	U	V	W	Y	Yb	Zn
Unit Symbol	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	6	0.1	0.01	0.1	0.1	0.1	5	0.7	0.1	0.1	30
Method Code	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
OREAS 101a (Fusion) Cert	5.92		36.6	0.395		2.90	422	83		183	17.5	
OREAS 101a (Fusion) Meas	5.9		36.6	0.41		3.0	456	75		183	17.1	
OREAS 101a (Fusion) Cert	5.92		36.6	0.395		2.90	422	83		183	17.5	
OREAS 13b (fusion) Meas				0.73								
OREAS 13b (fusion) Cert				0.711								
OREAS 13b (fusion) Meas				0.73								
OREAS 13b (fusion) Cert				0.711								
OREAS 13b (fusion) Meas				0.73								
OREAS 13b (fusion) Cert				0.711								
OREAS 13b (fusion) Meas				0.72								
OREAS 13b (fusion) Cert				0.711								
OREAS 13b (fusion) Meas				0.71								
OREAS 13b (fusion) Cert				0.711								
NCS DC86303 Meas									7.0			
NCS DC86303 Cert									8.9			
NCS DC86303 Meas									9.6			
NCS DC86303 Cert									8.9			
NCS DC86303 Meas									7.9			
NCS DC86303 Cert									8.9			
NCS DC86303 Meas									8.5			
NCS DC86303 Cert									8.9			
NCS DC86314 Meas									67.6			
NCS DC86314 Cert									79.0			

Analyte Symbol	Tb	Te	Th	Ti	Tl	Tm	U	V	W	Y	Yb	Zn
Unit Symbol	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	6	0.1	0.01	0.1	0.1	0.1	5	0.7	0.1	0.1	30
Method Code	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
NCS DC86314 Meas									70.0			
NCS DC86314 Cert									79.0			
NCS DC86314 Meas									71.9			
NCS DC86314 Cert									79.0			
NCS DC86314 Meas									74.8			
NCS DC86314 Cert									79.0			
OREAS 922 (Peroxide Fusion) Meas	1.0		17.4	0.46	0.9	0.4	3.4	96		29.5	2.6	300
OREAS 922 (Peroxide Fusion) Cert	1.02		17.7	0.439	0.880	0.510	3.59	92.0		31.1	3.17	277
OREAS 922 (Peroxide Fusion) Meas	1.1		17.7	0.44	1.0	0.5	3.5	93		32.8	2.9	270
OREAS 922 (Peroxide Fusion) Cert	1.02		17.7	0.439	0.880	0.510	3.59	92.0		31.1	3.17	277
OREAS 922 (Peroxide Fusion) Meas	1.0		17.4	0.45	0.8	0.5	3.4	100		30.4	3.0	260
OREAS 922 (Peroxide Fusion) Cert	1.02		17.7	0.439	0.880	0.510	3.59	92.0		31.1	3.17	277
OREAS 922 (Peroxide Fusion) Meas	1.0		16.3	0.45	0.8	0.5	3.2	91		30.1	2.7	260
OREAS 922 (Peroxide Fusion) Cert	1.02		17.7	0.439	0.880	0.510	3.59	92.0		31.1	3.17	277
OREAS 621 (Peroxide Fusion) Meas			8.2	0.19	2.1		2.6	37	< 0.7	12.5	0.9	> 10000
OREAS 621 (Peroxide Fusion) Cert			8.56	0.181	1.99		3.00	36.3	2.63	13.9	1.03	52200
OREAS 621 (Peroxide Fusion) Meas			8.8	0.19	2.3		3.0	35	1.2	14.7	1.1	> 10000
OREAS 621 (Peroxide Fusion)			8.56	0.181	1.99		3.00	36.3	2.63	13.9	1.03	52200

Analyte Symbol	Tb	Te	Th	Ti	Tl	Tm	U	V	W	Y	Yb	Zn
Unit Symbol	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	6	0.1	0.01	0.1	0.1	0.1	5	0.7	0.1	0.1	30
Method Code	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
Cert												
OREAS 621 (Peroxide Fusion) Meas			8.7	0.18	2.0		2.8	37	1.3	13.2	1.1	> 10000
OREAS 621 (Peroxide Fusion) Cert			8.56	0.181	1.99		3.00	36.3	2.63	13.9	1.03	52200
OREAS 621 (Peroxide Fusion) Meas			8.8	0.20	2.1		2.9	36	2.5	14.3	1.1	> 10000
OREAS 621 (Peroxide Fusion) Cert			8.56	0.181	1.99		3.00	36.3	2.63	13.9	1.03	52200
OREAS 621 (Peroxide Fusion) Meas				0.20								
OREAS 621 (Peroxide Fusion) Cert				0.181								
109291 Orig	0.6	< 6	0.3	0.55	0.2	0.4	< 0.1	303	1.9	23.9	2.3	110
109291 Dup	0.6	< 6	0.3	0.55	0.2	0.4	< 0.1	302	< 0.7	23.7	2.2	100
109299 Orig	< 0.1	< 6	2.0	0.03	4.4	< 0.1	14.9	10	< 0.7	2.1	< 0.1	60
109299 Dup	< 0.1	< 6	1.9	0.03	4.3	< 0.1	14.9	8	< 0.7	2.1	< 0.1	60
109313 Orig	0.6	< 6	0.4	0.55	0.5	0.4	< 0.1	291	17.0	23.2	2.3	110
109313 Dup	0.6	< 6	0.4	0.54	0.5	0.4	< 0.1	293	13.3	23.5	2.2	110
109321 Orig	0.8	< 6	0.6	0.98	< 0.1	0.4	< 0.1	397	< 0.7	27.0	2.4	130
109321 Dup	0.9	< 6	0.6	1.00	< 0.1	0.4	0.1	402	< 0.7	27.7	2.4	140
109335 Orig	0.6	< 6	0.4	0.58	0.9	0.4	0.7	300	< 0.7	23.3	2.4	110
109335 Dup	0.6	< 6	0.4	0.59	0.9	0.4	0.7	307	< 0.7	23.6	2.4	110
109342 Orig	1.1	< 6	0.9	1.31	0.5	0.6	0.2	235	< 0.7	40.4	4.0	140
109342 Dup	1.2	< 6	0.9	1.33	0.5	0.7	0.2	234	< 0.7	40.3	4.2	140
109356 Orig	0.6	< 6	0.2	0.55	< 0.1	0.4	< 0.1	310	1.5	21.8	2.3	100
109356 Dup	0.6	< 6	0.2	0.55	< 0.1	0.4	< 0.1	316	< 0.7	21.9	2.3	100
109364 Orig	< 0.1	< 6	1.6	0.01	3.3	< 0.1	7.5	8	< 0.7	0.4	< 0.1	30
109364 Dup	< 0.1	< 6	1.7	0.01	3.3	< 0.1	8.2	9	< 0.7	0.4	< 0.1	30
109384 Orig	0.9	< 6	0.7	1.07	8.5	0.4	0.8	351	< 0.7	28.5	2.7	170
109384 Split PREP DUP	0.9	< 6	0.7	1.06	8.9	0.4	0.8	353	< 0.7	27.9	2.7	170
109386 Orig	< 0.1	< 6	1.4	< 0.01	13.6	< 0.1	5.7	< 5	< 0.7	0.4	< 0.1	200
109386 Dup	< 0.1	< 6	1.6	< 0.01	13.5	< 0.1	6.1	< 5	< 0.7	0.3	< 0.1	200
109400 Orig	1.5	< 6	2.2	0.56	41.4	0.7	4.7	25	5.2	45.4	4.1	410
109400 Dup	1.4	< 6	2.3	0.56	41.2	0.7	5.0	27	2.8	46.4	4.2	420
109408 Orig	< 0.1	< 6	4.2	< 0.01	2.2	< 0.1	18.4	< 5	< 0.7	0.2	< 0.1	80
109408 Dup	< 0.1	< 6	4.1	< 0.01	2.2	< 0.1	18.1	< 5	< 0.7	0.1	< 0.1	80

Analyte Symbol	Tb	Te	Th	Ti	Tl	Tm	U	V	W	Y	Yb	Zn
Unit Symbol	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	6	0.1	0.01	0.1	0.1	0.1	5	0.7	0.1	0.1	30
Method Code	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
109422 Orig	< 0.1	< 6	5.0	< 0.01	3.9	< 0.1	17.0	< 5	3.0	< 0.1	< 0.1	170
109422 Dup	< 0.1	< 6	5.4	< 0.01	4.0	< 0.1	17.2	< 5	1.3	< 0.1	< 0.1	180
109430 Orig	1.1	< 6	1.0	1.23	0.4	0.6	0.2	395	< 0.7	38.8	3.8	150
109430 Split PREP DUP	1.1	< 6	0.9	1.19	0.4	0.6	0.1	393	< 0.7	37.7	3.7	150
Method Blank	< 0.1	< 6	< 0.1	< 0.01	< 0.1	< 0.1	0.1	< 5	< 0.7	< 0.1	< 0.1	< 30
Method Blank	< 0.1	< 6	< 0.1	< 0.01	< 0.1	< 0.1	< 0.1	< 5	< 0.7	< 0.1	< 0.1	< 30
Method Blank	< 0.1	< 6	< 0.1	< 0.01	< 0.1	< 0.1	< 0.1	< 5	< 0.7	< 0.1	< 0.1	< 30
Method Blank	< 0.1	< 6	< 0.1	< 0.01	< 0.1	< 0.1	< 0.1	< 5	< 0.7	< 0.1	< 0.1	< 30
Method Blank	< 0.1	< 6	< 0.1	< 0.01	< 0.1	< 0.1	< 0.1	< 5	< 0.7	< 0.1	< 0.1	< 30
Method Blank				< 0.01								
Method Blank	< 0.1	< 6	< 0.1	< 0.01	< 0.1	< 0.1	0.1	< 5	< 0.7	< 0.1	< 0.1	< 30
Method Blank	< 0.1	< 6	< 0.1	< 0.01	< 0.1	< 0.1	< 0.1	< 5	< 0.7	< 0.1	< 0.1	< 30
Method Blank	< 0.1	< 6	< 0.1	< 0.01	< 0.1	< 0.1	< 0.1	< 5	< 0.7	< 0.1	< 0.1	< 30
Method Blank	< 0.1	< 6	< 0.1	< 0.01	< 0.1	< 0.1	< 0.1	< 5	< 0.7	< 0.1	< 0.1	< 30
Method Blank	< 0.1	< 6	< 0.1	< 0.01	< 0.1	< 0.1	0.2	< 5	< 0.7	< 0.1	< 0.1	< 30
Method Blank	< 0.1	< 6	< 0.1	< 0.01	< 0.1	< 0.1	< 0.1	< 5	< 0.7	< 0.1	< 0.1	< 30
Method Blank	< 0.1	< 6	< 0.1	< 0.01	< 0.1	< 0.1	< 0.1	< 5	< 0.7	< 0.1	< 0.1	< 30
Method Blank	< 0.1	< 6	< 0.1	< 0.01	< 0.1	< 0.1	0.3	< 5	< 0.7	< 0.1	< 0.1	< 30
Method Blank												

Quality Analysis ... *Innovative Technologies*

Date Submitted: 23-Feb-17
Invoice No.: A17-01699
Invoice Date: 13-Mar-17
Your Reference: Mavis-Fairservice

Coast Mountain Geological
488-625 Howe Street
Vancouver BC V6C 2T6
Canada

ATTN: Mike Sieb

CERTIFICATE OF ANALYSIS

119 Core samples were submitted for analysis.

The following analytical package(s) were requested: Code UT-7 Sodium Peroxide Fusion (ICP & ICPMS)

REPORT **A17-01699**

Notes:

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

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Analyte Symbol	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	Fe	Ga	Gd	Ge	Ho	Hf	In
Unit Symbol	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	5	10	3	3	2	0.01	2	0.8	0.2	30	0.1	2	0.3	0.1	0.1	0.05	0.2	0.1	0.7	0.2	10	0.2
Method Code	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
109166	6.81	< 5	270	1190	< 3	< 2	7.16	< 2	93.1	57.6	650	338	122	5.4	3.0	3.1	9.55	15.3	9.3	< 0.7	0.7	< 10	< 0.2
109167	7.50	< 5	20	199	< 3	< 2	8.83	< 2	51.7	63.4	540	1.4	133	4.3	2.5	1.8	9.47	16.6	5.9	< 0.7	0.5	< 10	< 0.2
109168	5.90	< 5	< 10	149	< 3	< 2	18.5	< 2	47.7	47.3	370	6.7	77	3.4	2.0	1.7	6.52	13.7	5.0	< 0.7	0.3	< 10	< 0.2
109169	5.93	< 5	< 10	54	14	4	18.8	< 2	44.4	55.1	470	2.7	79	3.7	2.2	1.7	7.48	19.0	5.2	1.4	0.4	< 10	< 0.2
109170	6.30	< 5	10	51	44	4	18.1	< 2	35.9	39.3	460	38.9	65	2.7	1.7	1.3	6.77	23.0	3.9	2.4	< 0.2	< 10	< 0.2
109171	9.86	< 5	10	21	74	< 2	0.71	< 2	2.5	1.5	50	76.3	4	< 0.3	< 0.1	< 0.1	0.35	43.0	0.1	3.2	< 0.2	< 10	< 0.2
109172	8.48	< 5	20	6	198	< 2	0.26	< 2	1.3	< 0.2	40	50.0	< 2	< 0.3	< 0.1	< 0.1	0.24	53.2	< 0.1	4.2	< 0.2	< 10	< 0.2
109173	9.01	< 5	10	39	92	3	0.72	< 2	2.2	2.2	60	128	2	< 0.3	0.1	0.1	0.62	46.1	0.3	3.2	< 0.2	< 10	< 0.2
109174	0.03	< 5	< 10	4	< 3	< 2	37.9	< 2	< 0.8	0.9	100	< 0.1	< 2	< 0.3	< 0.1	< 0.1	< 0.05	< 0.2	< 0.1	< 0.7	< 0.2	< 10	< 0.2
109175	6.96	< 5	10	167	19	< 2	9.24	< 2	43.4	56.6	500	634	99	3.8	2.3	1.6	8.67	16.9	5.2	< 0.7	0.4	< 10	< 0.2
109176	9.91	< 5	< 10	60	9	2	0.55	< 2	2.3	0.6	40	30.9	< 2	< 0.3	< 0.1	< 0.1	0.23	43.9	0.2	2.0	< 0.2	< 10	< 0.2
109177	7.60	< 5	20	93	124	21	15.6	< 2	43.5	42.4	670	12.0	28	2.8	1.7	1.4	7.17	29.6	4.3	8.5	0.2	< 10	< 0.2
109178	7.47	< 5	10	102	59	8	15.2	< 2	44.2	39.8	700	3.6	90	2.9	1.7	1.5	8.04	28.6	4.1	6.9	0.2	< 10	< 0.2
109179	8.69	< 5	40	50	126	< 2	0.18	< 2	< 0.8	< 0.2	190	64.7	< 2	< 0.3	< 0.1	< 0.1	0.30	60.8	< 0.1	4.7	< 0.2	< 10	< 0.2
109180	7.22	< 5	20	330	75	6	11.0	< 2	95.7	42.8	620	62.3	81	3.1	1.7	2.0	7.04	23.7	5.5	4.8	0.2	< 10	< 0.2
109181	6.29	< 5	30	214	25	4	14.4	< 2	49.9	50.1	780	25.1	6	2.9	1.9	1.5	6.53	15.3	4.7	2.9	0.2	< 10	< 0.2
109182	6.41	< 5	20	289	54	7	15.1	< 2	44.6	45.6	720	63.9	3	2.8	1.7	1.5	6.56	21.5	4.2	5.2	< 0.2	< 10	< 0.2
109183	10.4	< 5	< 10	46	11	< 2	0.56	< 2	1.4	< 0.2	60	4.0	< 2	< 0.3	< 0.1	< 0.1	0.18	37.3	0.1	1.1	< 0.2	< 10	< 0.2
109184	6.48	< 5	20	222	21	< 2	12.7	< 2	52.0	49.8	910	23.6	12	3.2	1.8	1.6	7.43	14.5	5.1	< 0.7	0.3	< 10	< 0.2
109185	6.69	< 5	20	93	17	3	15.2	< 2	42.3	39.8	690	1.5	11	2.6	1.6	1.3	6.43	17.7	4.1	1.3	< 0.2	< 10	< 0.2
109186	6.46	< 5	20	60	6	2	14.6	< 2	51.4	45.3	780	1.4	55	3.0	1.8	1.6	6.79	13.5	4.7	< 0.7	0.2	< 10	< 0.2
109187	6.91	< 5	10	111	< 3	< 2	9.10	< 2	55.0	56.3	850	38.4	83	3.3	1.9	1.8	7.71	13.8	5.1	< 0.7	0.3	< 10	< 0.2
109188	5.88	< 5	10	468	< 3	< 2	11.9	< 2	93.1	48.4	610	8.8	79	3.8	1.9	2.5	6.49	15.0	7.2	< 0.7	0.3	< 10	< 0.2
109189	7.52	< 5	< 10	22	< 3	< 2	8.23	< 2	12.9	57.1	160	0.2	130	4.2	2.9	1.0	9.89	18.6	4.0	< 0.7	0.6	< 10	< 0.2
109190	8.91	< 5	40	48	127	< 2	0.20	< 2	< 0.8	< 0.2	190	62.3	< 2	< 0.3	< 0.1	< 0.1	0.31	62.2	< 0.1	5.0	< 0.2	< 10	< 0.2
109191	7.71	< 5	20	20	< 3	< 2	7.77	< 2	11.2	57.7	170	0.3	132	4.1	2.8	1.0	9.57	18.6	3.8	< 0.7	0.5	< 10	< 0.2
109192	7.59	< 5	310	42	7	< 2	7.06	< 2	8.3	55.2	160	46.2	107	4.0	2.8	0.9	9.58	23.0	3.6	< 0.7	0.5	< 10	< 0.2
109193	8.42	< 5	260	37	176	27	0.19	< 2	1.1	0.2	50	78.5	< 2	< 0.3	< 0.1	< 0.1	0.77	72.6	0.2	5.3	< 0.2	< 10	< 0.2
109194	0.03	< 5	< 10	11	< 3	< 2	38.7	< 2	< 0.8	< 0.2	30	< 0.1	< 2	< 0.3	< 0.1	< 0.1	< 0.05	< 0.2	< 0.1	< 0.7	< 0.2	< 10	< 0.2
109195	8.26	< 5	390	30	225	16	0.63	< 2	< 0.8	0.4	50	74.7	< 2	< 0.3	< 0.1	< 0.1	0.82	69.2	< 0.1	5.5	< 0.2	< 10	< 0.2
109196	7.55	< 5	10	49	3	< 2	7.79	< 2	8.7	53.9	150	27.1	112	3.9	2.8	0.9	9.59	18.5	3.7	< 0.7	0.5	< 10	< 0.2
109197	7.59	< 5	10	53	< 3	< 2	8.08	< 2	10.4	53.2	160	2.3	134	3.9	2.7	1.0	9.65	17.8	3.7	< 0.7	0.5	< 10	< 0.2
109198	7.95	< 5	10	37	< 3	< 2	8.06	< 2	9.0	54.8	150	7.7	132	4.0	2.8	1.0	9.82	18.6	3.8	< 0.7	0.6	< 10	0.3
109199	8.53	< 5	490	48	243	13	0.26	< 2	< 0.8	< 0.2	50	98.8	< 2	< 0.3	< 0.1	< 0.1	0.70	67.1	< 0.1	6.2	< 0.2	< 10	< 0.2
109200	8.12	< 5	750	27	435	7	0.38	< 2	1.0	< 0.2	40	93.6	< 2	< 0.3	< 0.1	< 0.1	0.51	59.4	< 0.1	6.9	< 0.2	< 10	< 0.2
109201	7.39	< 5	50	16	< 3	< 2	7.09	< 2	9.5	57.2	160	17.1	140	4.0	2.9	1.0	10.0	17.2	3.8	< 0.7	0.6	< 10	< 0.2
109202	7.23	< 5	20	11	< 3	< 2	10.7	< 2	12.7	52.5	160	5.6	88	3.8	2.7	0.9	9.51	20.7	3.6	< 0.7	0.5	< 10	< 0.2
109203	7.41	< 5	50	18	< 3	< 2	9.85	< 2	12.1	54.7	160	5.3	170	4.0	2.9	0.9	9.67	19.9	3.8	< 0.7	0.5	< 10	< 0.2
109204	7.83	< 5	< 10	20	< 3	< 2	8.37	< 2	11.3	52.0	160	< 0.1	130	3.7	2.6	0.9	9.53	16.8	3.4	< 0.7	0.4	< 10	< 0.2
109205	7.70	< 5	< 10	25	< 3	< 2	8.16	< 2	12.3	57.4	170	0.3	156	3.8	2.7	0.9	9.77	18.3	3.6	< 0.7	0.5	< 10	< 0.2
109206	7.29	< 5	10	23	< 3	< 2	9.61	< 2	11.6	53.1	160	3.6	115	3.8	2.7	0.9	9.05	16.7	3.6	< 0.7	0.5	< 10	< 0.2

Analyte Symbol	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	Fe	Ga	Gd	Ge	Ho	Hf	In
Unit Symbol	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	5	10	3	3	2	0.01	2	0.8	0.2	30	0.1	2	0.3	0.1	0.1	0.05	0.2	0.1	0.7	0.2	10	0.2
Method Code	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
109207	7.83	< 5	240	46	< 3	< 2	6.74	< 2	9.5	59.8	170	149	86	4.1	3.0	1.0	10.1	18.7	3.9	< 0.7	0.6	< 10	< 0.2
109208	7.00	9	1260	33	70	2	2.69	< 2	3.8	14.8	80	98.3	18	1.0	0.7	0.3	2.99	42.2	1.0	5.3	< 0.2	< 10	< 0.2
109209	0.04	< 5	< 10	3	< 3	< 2	39.5	< 2	< 0.8	< 0.2	< 30	< 0.1	< 2	< 0.3	< 0.1	< 0.1	< 0.05	< 0.2	< 0.1	< 0.7	< 0.2	< 10	< 0.2
109210	7.28	< 5	30	25	6	3	12.2	< 2	12.6	50.7	160	6.9	203	3.7	2.6	0.9	8.81	22.1	3.5	2.2	0.5	< 10	< 0.2
109211	7.85	6	20	16	< 3	< 2	12.4	< 2	11.7	54.5	180	9.6	86	3.8	2.5	0.9	9.44	22.1	3.5	1.9	0.5	< 10	< 0.2
109212	7.96	< 5	< 10	103	< 3	< 2	7.35	< 2	9.0	58.5	260	9.0	126	3.4	2.4	0.8	9.18	17.9	3.2	< 0.7	0.4	< 10	< 0.2
109213	7.53	< 5	< 10	37	< 3	< 2	8.10	< 2	10.7	50.9	160	< 0.1	94	3.6	2.4	0.8	8.40	18.0	3.3	< 0.7	0.4	< 10	< 0.2
109214	7.75	< 5	10	78	< 3	< 2	7.29	< 2	11.6	59.3	160	0.5	115	3.8	2.8	0.9	10.2	18.2	3.5	< 0.7	0.5	< 10	< 0.2
109215	8.76	< 5	50	46	130	< 2	0.17	< 2	< 0.8	< 0.2	180	60.1	< 2	< 0.3	< 0.1	< 0.1	0.31	63.1	< 0.1	6.7	< 0.2	< 10	< 0.2
109216	8.22	< 5	< 10	22	< 3	< 2	7.90	< 2	9.1	52.2	210	1.9	82	3.4	2.4	0.8	8.40	18.1	3.1	< 0.7	0.4	< 10	< 0.2
109217	7.06	< 5	< 10	68	< 3	< 2	6.38	< 2	25.7	42.2	40	0.8	49	7.3	5.0	1.8	12.7	25.4	7.3	< 0.7	1.3	< 10	< 0.2
109218	7.88	< 5	< 10	538	< 3	< 2	5.53	< 2	14.6	51.7	120	78.1	75	4.3	2.8	1.2	11.2	28.8	4.5	< 0.7	0.5	< 10	< 0.2
109219	8.13	< 5	10	56	< 3	< 2	6.87	< 2	14.4	62.2	150	10.0	93	4.2	2.7	1.2	11.3	23.8	4.4	< 0.7	0.5	< 10	< 0.2
109220	7.63	< 5	310	54	< 3	< 2	7.03	< 2	16.1	59.7	90	1.6	173	4.9	3.1	1.3	12.3	25.4	5.0	< 0.7	0.7	< 10	< 0.2
109221	6.87	< 5	30	104	< 3	< 2	5.33	< 2	31.8	37.5	< 30	14.0	55	8.9	5.9	2.3	13.1	27.6	9.6	< 0.7	1.6	< 10	< 0.2
109222	7.94	< 5	30	18	< 3	< 2	7.95	< 2	10.4	50.6	150	16.1	136	3.8	2.7	0.8	10.1	16.3	3.7	< 0.7	0.5	< 10	< 0.2
109223	7.42	< 5	70	< 3	< 3	< 2	15.4	< 2	10.6	42.6	160	2.1	< 2	3.6	2.7	0.8	6.84	16.6	3.5	< 0.7	0.5	< 10	< 0.2
109224	7.71	< 5	< 10	66	< 3	< 2	7.24	< 2	10.6	54.3	160	9.3	159	3.7	2.6	0.8	9.61	16.7	3.4	< 0.7	0.5	< 10	< 0.2
109225	9.22	< 5	40	46	133	< 2	0.16	< 2	< 0.8	< 0.2	180	59.7	< 2	< 0.3	< 0.1	< 0.1	0.31	63.2	< 0.1	6.1	< 0.2	< 10	< 0.2
109226	7.83	14	< 10	37	< 3	< 2	7.77	< 2	9.8	59.4	170	0.5	134	3.4	2.4	0.8	9.96	15.9	3.1	< 0.7	0.4	< 10	< 0.2
109227	7.64	< 5	< 10	34	< 3	< 2	8.76	< 2	10.3	53.7	170	3.4	92	3.7	2.6	0.8	9.53	20.0	3.4	1.2	0.5	< 10	< 0.2
109228	8.85	14	180	34	244	19	0.26	< 2	< 0.8	< 0.2	40	94.9	< 2	< 0.3	< 0.1	< 0.1	0.60	68.9	< 0.1	7.0	< 0.2	< 10	< 0.2
109229	8.29	< 5	330	39	296	19	0.19	< 2	< 0.8	< 0.2	50	104	< 2	< 0.3	< 0.1	< 0.1	0.67	68.4	< 0.1	7.7	< 0.2	< 10	< 0.2
109230	0.05	< 5	< 10	4	< 3	< 2	39.0	< 2	< 0.8	< 0.2	30	< 0.1	< 2	< 0.3	< 0.1	< 0.1	< 0.05	< 0.2	< 0.1	< 0.7	< 0.2	< 10	< 0.2
109231	8.35	< 5	400	21	295	10	0.19	< 2	< 0.8	< 0.2	40	76.1	< 2	< 0.3	< 0.1	< 0.1	0.63	72.5	< 0.1	6.7	< 0.2	< 10	< 0.2
109232	8.01	6	340	24	404	21	0.40	< 2	< 0.8	0.4	< 30	84.8	10	< 0.3	< 0.1	< 0.1	0.50	61.0	< 0.1	5.3	< 0.2	< 10	< 0.2
109233	7.59	< 5	50	39	4	< 2	7.64	< 2	9.2	57.5	170	7.6	171	4.2	2.7	1.0	9.53	19.5	3.7	< 0.7	0.8	< 10	< 0.2
109234	7.64	< 5	20	65	< 3	< 2	7.55	< 2	11.5	56.3	160	19.9	142	4.2	2.7	1.0	10.0	19.3	3.9	< 0.7	0.9	< 10	< 0.2
109235	7.68	< 5	20	75	< 3	< 2	7.50	< 2	11.2	52.3	160	5.7	123	4.0	2.6	0.9	9.51	18.4	3.8	< 0.7	0.9	< 10	< 0.2
109236	7.59	< 5	< 10	42	< 3	< 2	6.56	< 2	10.3	53.0	170	0.5	103	3.8	2.5	0.8	9.43	17.7	3.4	< 0.7	0.8	< 10	< 0.2
109237	8.28	< 5	< 10	38	< 3	< 2	6.32	< 2	8.9	61.2	220	8.0	102	4.2	2.6	0.9	9.10	20.2	3.7	< 0.7	0.9	< 10	< 0.2
109238	7.07	8	< 10	49	< 3	< 2	6.60	< 2	25.9	42.2	< 30	0.4	35	8.0	5.0	2.0	12.5	25.3	7.9	< 0.7	1.7	< 10	< 0.2
109239	7.73	< 5	10	25	< 3	< 2	6.22	< 2	15.5	60.6	100	19.8	75	5.1	3.1	1.3	11.7	23.3	5.3	< 0.7	1.0	< 10	< 0.2
109240	7.74	< 5	30	24	< 3	< 2	6.50	< 2	15.8	64.0	100	1.0	161	5.1	2.8	1.4	12.3	23.7	5.3	< 0.7	1.0	< 10	< 0.2
109241	6.70	< 5	10	284	< 3	< 2	4.89	< 2	26.4	41.9	< 30	29.8	68	8.2	4.9	2.1	12.6	26.0	8.1	< 0.7	1.6	< 10	< 0.2
109242	8.06	< 5	< 10	27	< 3	< 2	7.23	< 2	10.4	58.9	240	0.6	55	3.8	2.6	1.0	9.64	16.3	3.6	< 0.7	0.8	< 10	< 0.2
109243	7.93	6	10	96	< 3	< 2	7.56	< 2	16.2	56.7	200	9.1	196	4.6	3.1	1.1	9.96	16.8	4.2	< 0.7	1.0	< 10	< 0.2
109244	8.58	< 5	10	58	< 3	< 2	9.67	< 2	13.9	55.7	200	7.1	193	4.7	3.1	1.0	10.4	20.9	4.5	< 0.7	1.0	< 10	< 0.2
109245	7.78	6	< 10	33	< 3	< 2	9.56	< 2	12.9	53.2	180	27.3	177	4.3	2.7	1.0	8.83	17.8	3.9	< 0.7	0.9	< 10	< 0.2
109246	8.12	10	360	54	196	9	0.90	< 2	1.0	1.5	< 30	55.1	10	< 0.3	< 0.1	< 0.1	0.58	52.6	0.2	5.8	< 0.2	< 10	< 0.2
109247	7.95	< 5	< 10	50	< 3	< 2	10.3	< 2	12.4	51.5	170	13.0	101	4.0	2.6	1.0	8.19	17.9	3.9	< 0.7	0.8	< 10	< 0.2

Analyte Symbol	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	Fe	Ga	Gd	Ge	Ho	Hf	In
Unit Symbol	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	5	10	3	3	2	0.01	2	0.8	0.2	30	0.1	2	0.3	0.1	0.1	0.05	0.2	0.1	0.7	0.2	10	0.2
Method Code	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
109248	8.44	< 5	< 10	75	< 3	< 2	9.07	< 2	12.6	56.8	170	5.9	163	4.4	2.7	1.0	9.79	18.1	4.1	< 0.7	0.9	< 10	< 0.2
109249	8.16	< 5	< 10	66	< 3	< 2	10.0	< 2	12.9	50.0	170	32.3	113	4.4	2.9	1.0	8.60	18.3	4.1	< 0.7	0.9	< 10	< 0.2
109250	7.79	< 5	< 10	112	< 3	< 2	7.67	< 2	13.3	55.3	170	16.5	141	4.3	2.8	1.0	9.55	17.6	4.1	< 0.7	0.9	< 10	< 0.2
109251	7.78	< 5	< 10	148	< 3	< 2	6.40	< 2	12.4	53.6	170	9.5	131	4.5	2.8	1.0	9.42	16.3	4.0	< 0.7	0.9	< 10	< 0.2
109252	7.75	< 5	< 10	36	< 3	< 2	5.83	< 2	10.8	49.4	140	11.8	69	4.0	2.6	0.9	9.74	14.6	3.7	< 0.7	0.8	< 10	< 0.2
109253	7.96	6	< 10	27	< 3	< 2	9.90	< 2	7.8	48.1	280	1.8	132	3.2	2.2	0.7	8.48	15.6	2.7	< 0.7	0.7	< 10	< 0.2
109254	8.21	11	< 10	33	< 3	< 2	8.05	< 2	8.7	50.0	350	1.4	65	3.2	2.2	0.7	8.39	11.7	2.6	< 0.7	0.7	< 10	< 0.2
109255	8.00	6	< 10	32	< 3	< 2	9.19	< 2	7.1	50.4	350	1.1	95	3.1	2.2	0.6	7.54	13.6	2.6	< 0.7	0.7	< 10	< 0.2
109256	7.36	6	< 10	67	< 3	< 2	5.81	< 2	18.1	53.1	< 30	16.5	147	5.5	3.2	1.5	12.8	22.2	5.6	< 0.7	1.1	< 10	< 0.2
109257	7.26	< 5	< 10	75	8	< 2	5.93	< 2	19.6	47.3	30	49.4	170	6.4	3.7	1.6	12.4	24.0	6.5	< 0.7	1.2	< 10	< 0.2
109258	9.00	< 5	50	14	176	3	0.31	< 2	4.5	3.0	70	35.9	7	< 0.3	0.1	0.2	0.40	60.8	0.6	4.8	< 0.2	< 10	< 0.2
109259	7.32	< 5	< 10	154	3	< 2	5.72	< 2	19.8	49.7	< 30	72.0	134	6.5	3.8	1.7	12.9	22.8	6.7	< 0.7	1.3	< 10	< 0.2
109260	7.48	< 5	< 10	58	< 3	< 2	5.46	< 2	19.5	50.0	50	29.1	102	5.8	3.4	1.5	12.2	23.2	6.0	< 0.7	1.1	< 10	< 0.2
109261	8.05	< 5	10	26	< 3	< 2	8.16	< 2	11.2	50.1	170	1.3	134	4.2	2.6	1.0	9.02	16.6	3.7	< 0.7	0.9	< 10	< 0.2
109262	8.60	< 5	20	50	132	< 2	0.17	< 2	< 0.8	0.3	150	64.3	4	< 0.3	< 0.1	< 0.1	0.32	55.5	< 0.1	4.8	< 0.2	< 10	< 0.2
109263	7.85	< 5	310	20	< 3	< 2	8.73	< 2	8.9	47.0	150	15.4	150	3.3	2.1	0.8	8.78	16.2	3.1	< 0.7	0.7	< 10	< 0.2
109264	7.88	< 5	150	26	< 3	< 2	7.91	< 2	10.1	51.4	180	48.9	143	4.0	2.6	0.9	9.17	16.3	3.5	< 0.7	0.8	< 10	< 0.2
109265	8.67	< 5	140	49	211	16	0.26	< 2	< 0.8	0.6	< 30	170	3	< 0.3	< 0.1	< 0.1	0.43	59.4	< 0.1	5.6	< 0.2	< 10	< 0.2
109266	8.61	< 5	240	25	320	16	0.18	< 2	< 0.8	< 0.2	< 30	110	4	< 0.3	< 0.1	< 0.1	0.44	60.4	< 0.1	5.7	< 0.2	< 10	< 0.2
109267	0.03	< 5	< 10	< 3	< 3	< 2	35.8	< 2	< 0.8	< 0.2	< 30	0.1	< 2	< 0.3	< 0.1	< 0.1	< 0.05	0.3	< 0.1	< 0.7	< 0.2	< 10	< 0.2
109268	8.60	< 5	500	15	275	17	0.34	< 2	1.3	0.4	< 30	132	4	< 0.3	< 0.1	< 0.1	0.53	68.5	0.1	4.9	< 0.2	< 10	< 0.2
109269	8.03	< 5	270	41	12	2	6.15	< 2	9.2	48.8	180	160	163	3.6	2.4	1.0	9.88	20.6	3.2	< 0.7	0.7	< 10	< 0.2
109270	8.28	< 5	20	169	< 3	< 2	6.53	< 2	11.4	51.4	160	24.7	166	4.3	2.7	1.1	10.3	18.8	4.0	< 0.7	0.9	< 10	< 0.2
109271	7.93	< 5	220	25	< 3	< 2	7.10	< 2	10.8	52.9	170	5.5	117	4.4	2.7	1.0	9.75	17.8	4.2	< 0.7	0.9	< 10	< 0.2
109272	7.17	< 5	< 10	30	5	2	7.60	< 2	13.5	34.0	50	21.6	106	3.6	2.2	1.1	9.11	27.7	3.8	< 0.7	0.7	< 10	< 0.2
109273	6.82	5	500	10	185	19	0.46	< 2	1.8	1.8	< 30	52.6	19	< 0.3	0.1	0.1	0.64	45.3	0.3	4.8	< 0.2	< 10	< 0.2
109274	7.41	< 5	< 10	37	< 3	< 2	6.79	< 2	17.4	47.5	60	6.5	130	5.6	3.4	1.5	12.6	22.1	5.7	< 0.7	1.1	< 10	< 0.2
109275	8.10	< 5	< 10	19	< 3	< 2	7.91	< 2	8.3	44.3	180	3.3	108	3.4	2.0	0.7	8.59	13.9	3.0	< 0.7	0.7	< 10	< 0.2
109276	7.05	8	40	273	23	4	8.04	< 2	9.2	41.9	160	94.4	42	3.5	2.2	0.7	10.3	18.7	3.1	< 0.7	0.7	< 10	< 0.2
109277	7.48	< 5	< 10	13	< 3	< 2	7.89	< 2	10.3	56.0	100	4.3	120	4.1	2.7	0.9	10.1	16.5	3.7	< 0.7	0.8	< 10	< 0.2
109278	7.34	< 5	< 10	20	4	< 2	7.82	< 2	10.6	53.5	100	3.4	125	4.0	2.7	0.9	10.1	16.7	3.7	< 0.7	0.9	< 10	< 0.2
109279	7.43	< 5	< 10	15	< 3	< 2	7.36	< 2	9.5	55.4	90	2.1	106	3.9	2.6	0.9	9.99	16.1	3.7	< 0.7	0.9	< 10	< 0.2
109280	8.72	< 5	20	47	129	< 2	0.17	< 2	< 0.8	0.3	150	60.3	3	< 0.3	< 0.1	< 0.1	0.32	57.5	< 0.1	5.0	< 0.2	< 10	< 0.2
109281	7.52	< 5	< 10	77	< 3	< 2	6.65	< 2	11.1	47.2	180	14.8	102	3.7	2.6	0.9	10.1	16.3	3.4	< 0.7	0.8	< 10	< 0.2
109282	7.52	< 5	< 10	176	< 3	< 2	6.59	< 2	11.5	48.5	200	23.3	105	4.0	2.6	0.9	9.51	16.7	3.6	< 0.7	0.8	< 10	< 0.2
109283	8.21	< 5	< 10	39	< 3	< 2	6.54	< 2	11.1	56.7	60	2.4	119	4.2	2.9	0.9	9.07	19.0	3.8	< 0.7	0.9	< 10	< 0.2
109284	8.26	< 5	< 10	224	< 3	< 2	4.27	< 2	8.0	53.5	60	17.5	132	4.2	2.8	0.9	8.16	18.1	3.6	< 0.7	0.9	< 10	< 0.2

Analyte Symbol	K	La	Li	Mg	Mn	Mo	Nb	Nd	Ni	Pb	Pr	Rb	S	Sb	Se	Si	Sm	Sn	Sr	Ta	Tb	Te	Th
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	0.4	3	0.01	3	1	2.4	0.4	10	0.8	0.1	0.4	0.01	2	0.8	0.01	0.1	0.5	3	0.2	0.1	6	0.1
Method Code	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
109166	1.2	31.3	698	5.61	1820	< 1	9.1	64.2	210	3.8	13.7	80.0	0.14	< 2	3.0	21.8	11.4	0.5	269	0.6	1.1	< 6	1.9
109167	0.3	19.1	229	4.65	1870	< 1	6.7	31.8	230	6.2	7.1	8.7	0.08	< 2	2.6	22.0	5.9	< 0.5	290	0.5	0.9	< 6	1.4
109168	0.1	17.2	160	2.57	1900	< 1	5.6	30.5	170	8.5	6.8	21.5	0.34	< 2	< 0.8	18.1	5.7	1.2	290	0.4	0.7	< 6	1.1
109169	< 0.1	16.0	128	2.57	2190	< 1	7.0	29.0	190	8.4	6.3	7.0	0.52	< 2	1.9	17.8	5.4	14.2	293	0.4	0.7	< 6	1.2
109170	0.2	13.1	218	2.38	2200	< 1	15.7	22.2	280	17.8	5.0	151	0.20	< 2	2.8	17.0	3.9	47.9	395	9.7	0.5	< 6	0.9
109171	1.4	< 0.4	75	0.07	356	< 1	124.8	1.1	< 10	10.3	0.3	1640	0.02	< 2	< 0.8	> 30.0	0.2	12.3	29	222	< 0.1	< 6	3.0
109172	1.0	< 0.4	473	< 0.01	402	< 1	108.5	< 0.4	< 10	11.8	< 0.1	1300	0.01	< 2	1.5	> 30.0	< 0.1	24.8	15	165	< 0.1	< 6	1.8
109173	2.3	< 0.4	164	0.16	272	< 1	78.6	1.6	< 10	19.8	0.3	2410	0.04	< 2	1.1	> 30.0	0.4	41.2	63	96.6	< 0.1	< 6	2.2
109174	< 0.1	< 0.4	< 3	1.69	26	< 1	< 2.4	< 0.4	100	9.5	< 0.1	< 0.4	0.11	< 2	0.8	0.13	< 0.1	< 0.5	3440	< 0.2	< 0.1	< 6	< 0.1
109175	1.6	15.1	1290	4.76	1880	< 1	11.0	28.2	240	4.3	6.1	1610	0.22	< 2	2.3	20.8	5.3	16.7	405	34.2	0.7	< 6	1.6
109176	0.8	< 0.4	39	0.06	133	< 1	81.5	1.8	< 10	6.6	0.4	508	0.01	< 2	1.0	> 30.0	0.3	4.6	58	116	< 0.1	< 6	2.4
109177	0.1	15.5	194	2.65	1950	< 1	16.4	27.0	190	< 0.8	6.1	76.4	0.05	< 2	1.8	21.2	4.7	72.0	571	3.8	0.6	< 6	1.0
109178	< 0.1	15.4	113	2.43	1710	< 1	16.6	27.4	180	1.9	6.2	26.8	0.18	< 2	1.2	21.9	4.7	68.3	623	2.7	0.6	< 6	1.0
109179	2.4	< 0.4	7590	0.02	356	7	67.0	< 0.4	< 10	2.7	< 0.1	1780	< 0.01	< 2	< 0.8	> 30.0	< 0.1	132	24	102	< 0.1	< 6	2.2
109180	0.4	41.6	239	2.60	1660	< 1	18.5	48.2	160	3.3	12.0	274	0.21	< 2	2.1	23.4	7.1	62.6	605	19.3	0.7	< 6	5.8
109181	0.2	17.7	199	4.40	1420	< 1	8.1	31.2	240	1.1	7.0	116	0.02	< 2	< 0.8	22.9	5.4	13.1	373	2.2	0.6	< 6	1.1
109182	0.3	15.4	233	4.29	1580	< 1	14.9	28.3	220	< 0.8	6.2	257	< 0.01	< 2	2.0	22.1	4.9	38.2	349	11.0	0.6	< 6	1.1
109183	< 0.1	< 0.4	7	0.05	40	< 1	35.6	1.2	< 10	< 0.8	0.2	10.6	0.01	< 2	0.8	> 30.0	0.2	1.0	74	125	< 0.1	< 6	2.6
109184	0.3	18.6	208	4.41	1470	< 1	8.3	32.5	220	< 0.8	7.3	87.2	0.02	< 2	< 0.8	23.2	5.5	7.1	350	3.3	0.6	< 6	1.2
109185	< 0.1	15.0	112	3.65	1380	< 1	5.8	26.0	170	4.4	5.9	14.7	0.03	< 2	< 0.8	22.4	4.5	9.4	457	0.6	0.5	< 6	0.9
109186	< 0.1	18.5	127	4.01	1590	< 1	5.5	32.0	250	2.0	7.3	7.5	0.13	< 2	1.6	22.8	5.6	1.4	868	0.4	0.6	< 6	1.1
109187	0.4	19.7	158	6.61	1650	< 1	5.8	34.7	390	4.2	7.7	33.2	0.06	< 2	1.7	23.4	5.8	< 0.5	574	0.4	0.7	< 6	1.2
109188	0.6	34.0	115	5.70	1380	< 1	8.4	58.0	300	4.5	13.1	20.8	0.04	< 2	1.9	20.9	9.1	< 0.5	479	0.6	0.8	< 6	1.9
109189	0.1	3.8	365	4.23	1690	< 1	3.9	9.3	60	< 0.8	1.9	7.5	0.10	< 2	1.2	23.6	2.7	< 0.5	155	0.4	0.7	< 6	0.3
109190	2.4	< 0.4	7640	0.02	376	7	88.6	< 0.4	< 10	4.4	< 0.1	1790	< 0.01	< 2	< 0.8	> 30.0	< 0.1	130	26	127	< 0.1	< 6	2.3
109191	0.2	3.2	664	4.41	1710	< 1	3.9	8.9	70	2.8	1.7	11.6	0.06	< 2	1.8	24.7	2.6	< 0.5	141	0.5	0.7	< 6	0.3
109192	0.5	1.7	1920	4.37	2140	< 1	6.5	7.5	60	6.0	1.4	259	0.06	< 2	2.6	22.6	2.4	12.3	144	1.8	0.7	< 6	0.4
109193	2.5	< 0.4	7110	0.04	376	3	71.8	0.9	< 10	8.9	0.2	1730	< 0.01	< 2	< 0.8	> 30.0	0.1	81.0	109	55.6	< 0.1	< 6	2.4
109194	< 0.1	< 0.4	< 3	1.42	18	< 1	< 2.4	< 0.4	< 10	< 0.8	< 0.1	< 0.4	0.13	< 2	< 0.8	0.15	< 0.1	< 0.5	4190	< 0.2	< 0.1	< 6	< 0.1
109195	2.3	< 0.4	7490	0.06	340	< 1	57.4	< 0.4	< 10	7.2	< 0.1	1350	< 0.01	< 2	< 0.8	> 30.0	< 0.1	77.7	159	31.1	< 0.1	< 6	1.2
109196	0.4	1.8	1470	4.34	1780	< 1	3.7	7.5	60	< 0.8	1.4	101	0.05	< 2	2.3	23.6	2.4	1.4	127	0.4	0.7	< 6	0.3
109197	0.3	2.6	793	4.27	1630	< 1	3.0	8.2	60	< 0.8	1.6	50.1	0.08	< 2	2.0	24.5	2.4	< 0.5	171	0.3	0.7	< 6	0.3
109198	0.4	1.9	1910	4.42	1790	< 1	3.1	7.6	60	1.8	1.4	58.0	0.06	< 2	< 0.8	24.6	2.4	1.5	180	0.3	0.7	< 6	0.3
109199	2.4	< 0.4	5030	0.04	389	< 1	102.5	< 0.4	< 10	11.2	< 0.1	1600	< 0.01	< 2	< 0.8	> 30.0	< 0.1	74.9	129	49.6	< 0.1	< 6	3.8
109200	0.3	< 0.4	133	0.02	407	< 1	96.5	< 0.4	< 10	10.3	< 0.1	218	< 0.01	< 2	< 0.8	> 30.0	< 0.1	24.6	85	79.6	< 0.1	< 6	3.7
109201	0.4	2.4	2400	4.47	1710	< 1	4.2	7.8	60	2.5	1.5	62.9	0.06	< 2	2.4	23.5	2.5	0.8	106	0.6	0.7	< 6	0.3
109202	< 0.1	3.9	180	4.11	1690	< 1	3.2	8.9	60	< 0.8	1.8	8.4	0.05	< 2	1.2	22.5	2.5	< 0.5	56	0.3	0.6	< 6	0.3
109203	0.1	3.5	420	4.23	1720	< 1	3.0	9.1	60	< 0.8	1.8	8.8	0.13	< 2	1.2	23.2	2.5	< 0.5	73	0.3	0.7	< 6	0.4
109204	0.1	3.2	257	4.21	1700	< 1	2.8	8.2	70	< 0.8	1.6	4.6	0.05	< 2	1.1	23.6	2.4	< 0.5	181	0.2	0.6	< 6	0.3
109205	0.1	3.7	215	3.96	1660	< 1	3.0	8.7	70	< 0.8	1.8	8.6	0.13	< 2	1.0	24.9	2.5	< 0.5	137	0.3	0.7	< 6	0.3
109206	0.2	3.3	134	4.06	1770	< 1	2.8	8.9	60	< 0.8	1.7	18.1	0.09	< 2	1.7	23.8	2.5	< 0.5	90	0.3	0.6	< 6	0.3

Analyte Symbol	K	La	Li	Mg	Mn	Mo	Nb	Nd	Ni	Pb	Pr	Rb	S	Sb	Se	Si	Sm	Sn	Sr	Ta	Tb	Te	Th
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	0.4	3	0.01	3	1	2.4	0.4	10	0.8	0.1	0.4	0.01	2	0.8	0.01	0.1	0.5	3	0.2	0.1	6	0.1
Method Code	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
109207	0.5	2.5	321	4.20	2110	< 1	2.9	7.8	70	< 0.8	1.4	397	0.08	< 2	1.0	23.4	2.6	3.2	128	0.2	0.7	< 6	0.3
109208	0.5	< 0.4	220	1.21	751	25	36.4	2.5	10	< 0.8	0.5	694	0.02	< 2	< 0.8	> 30.0	0.7	11.7	57	48.4	0.2	< 6	1.0
109209	< 0.1	< 0.4	< 3	1.45	18	< 1	< 2.4	< 0.4	< 10	< 0.8	< 0.1	< 0.4	0.13	< 2	< 0.8	0.17	< 0.1	< 0.5	3510	< 0.2	< 0.1	< 6	< 0.1
109210	< 0.1	4.5	136	3.43	1810	< 1	4.6	9.0	60	< 0.8	1.7	23.1	0.23	< 2	1.2	23.4	2.4	3.2	124	1.4	0.6	< 6	0.5
109211	0.1	3.5	96	3.65	1760	< 1	3.1	8.5	70	< 0.8	1.7	5.1	0.08	< 2	< 0.8	22.8	2.4	0.9	109	0.3	0.6	< 6	0.3
109212	0.4	2.1	302	5.10	2130	< 1	2.6	7.0	90	< 0.8	1.3	42.1	0.06	< 2	< 0.8	22.9	2.0	< 0.5	78	0.3	0.6	< 6	0.3
109213	< 0.1	3.1	76	4.38	2060	< 1	2.5	7.8	70	1.5	1.6	< 0.4	0.01	< 2	< 0.8	24.8	2.1	< 0.5	131	0.4	0.6	< 6	0.3
109214	0.2	3.6	111	4.26	1950	< 1	2.7	8.2	70	< 0.8	1.7	2.7	0.12	< 2	< 0.8	23.4	2.3	< 0.5	125	0.4	0.6	< 6	0.3
109215	2.3	< 0.4	8190	0.02	373	6	87.0	< 0.4	< 10	1.1	< 0.1	1780	< 0.01	< 2	< 0.8	> 30.0	< 0.1	122	24	128	< 0.1	< 6	2.4
109216	< 0.1	2.1	44	4.53	1710	< 1	2.7	6.9	70	< 0.8	1.4	3.3	0.01	< 2	< 0.8	24.3	2.1	< 0.5	87	0.3	0.6	< 6	0.2
109217	0.2	9.2	39	2.21	2070	< 1	6.1	18.1	10	< 0.8	3.7	5.0	0.17	< 2	< 0.8	24.7	5.1	< 0.5	135	0.5	1.3	< 6	1.0
109218	0.8	4.7	82	3.36	1560	< 1	6.5	11.1	60	2.7	2.1	68.9	0.39	< 2	< 0.8	23.8	3.3	2.1	154	0.4	0.8	< 6	0.6
109219	0.4	4.3	61	3.74	1770	< 1	3.6	10.9	90	< 0.8	2.1	19.9	0.02	< 2	< 0.8	22.7	3.1	< 0.5	210	0.3	0.7	< 6	0.5
109220	0.2	5.0	23	3.26	1940	< 1	4.1	12.2	60	< 0.8	2.4	2.3	0.16	< 2	< 0.8	22.8	3.7	< 0.5	192	0.4	0.9	< 6	0.5
109221	0.4	10.8	12	1.56	2200	< 1	8.5	24.1	< 10	< 0.8	4.7	11.3	0.45	< 2	0.8	25.0	6.9	1.0	95	0.7	1.6	< 6	1.2
109222	0.2	2.9	33	4.32	1810	< 1	2.7	7.8	60	< 0.8	1.5	7.0	0.04	< 2	< 0.8	25.0	2.3	< 0.5	129	0.2	0.6	< 6	0.4
109223	< 0.1	3.0	3	2.42	1830	< 1	2.4	7.6	60	< 0.8	1.5	< 0.4	0.07	< 2	< 0.8	23.8	2.2	< 0.5	60	0.2	0.6	< 6	0.3
109224	0.3	3.0	820	4.72	1800	< 1	< 2.4	7.8	60	< 0.8	1.5	33.2	0.32	< 2	< 0.8	24.6	2.3	< 0.5	39	0.2	0.6	< 6	0.3
109225	2.4	< 0.4	8330	0.02	368	6	76.3	< 0.4	< 10	2.3	< 0.1	1760	< 0.01	< 2	< 0.8	> 30.0	< 0.1	126	22	110	< 0.1	< 6	2.2
109226	0.2	2.6	928	4.75	1780	< 1	2.5	7.3	60	< 0.8	1.4	5.6	0.33	< 2	< 0.8	25.5	2.1	< 0.5	28	0.3	0.6	< 6	0.3
109227	0.3	2.8	1080	4.48	1880	< 1	3.2	7.6	60	4.0	1.5	37.0	0.19	< 2	< 0.8	23.2	2.3	0.7	32	0.4	0.6	< 6	0.4
109228	3.1	< 0.4	5270	0.04	324	< 1	82.9	< 0.4	< 10	10.5	< 0.1	2160	0.02	< 2	< 0.8	> 30.0	< 0.1	59.9	102	55.3	< 0.1	< 6	2.3
109229	2.9	< 0.4	6320	0.03	426	< 1	103.4	< 0.4	< 10	9.3	< 0.1	2060	< 0.01	< 2	< 0.8	> 30.0	< 0.1	56.9	130	58.8	< 0.1	< 6	2.4
109230	< 0.1	< 0.4	< 3	1.60	21	< 1	< 2.4	< 0.4	< 10	< 0.8	< 0.1	< 0.4	0.11	< 2	< 0.8	0.21	< 0.1	< 0.5	3480	< 0.2	< 0.1	< 6	< 0.1
109231	1.8	< 0.4	6740	0.02	300	< 1	59.0	< 0.4	< 10	6.3	< 0.1	1110	0.02	< 2	< 0.8	> 30.0	< 0.1	111	125	31.5	< 0.1	< 6	1.1
109232	1.2	0.7	90	0.03	211	9	151.9	< 0.4	< 10	6.0	< 0.1	1100	0.01	< 2	8.9	> 30.0	0.1	46.9	165	106	< 0.1	< 6	3.2
109233	0.4	3.5	959	4.55	1960	< 1	3.7	7.8	70	6.7	1.5	53.5	0.27	< 2	3.3	23.3	2.4	0.6	85	0.8	0.7	< 6	0.4
109234	0.5	4.4	631	4.80	2020	< 1	3.0	8.5	70	< 0.8	1.8	69.1	0.28	< 2	2.0	23.3	2.6	< 0.5	94	0.4	0.7	< 6	0.4
109235	0.4	4.3	444	4.53	2090	< 1	2.7	8.1	70	< 0.8	1.7	39.2	0.23	< 2	2.3	24.0	2.4	< 0.5	116	0.3	0.7	< 6	0.4
109236	0.1	4.3	53	3.91	1790	< 1	< 2.4	7.9	70	< 0.8	1.5	2.4	0.05	< 2	1.9	24.3	2.2	< 0.5	130	0.2	0.6	< 6	0.3
109237	0.2	3.3	100	4.83	1570	< 1	2.5	7.3	90	< 0.8	1.4	28.7	0.06	< 2	2.6	24.1	2.4	< 0.5	90	0.2	0.7	< 6	0.3
109238	0.2	10.2	33	2.46	1790	< 1	6.8	19.4	20	< 0.8	3.9	3.4	0.12	< 2	3.8	24.7	5.5	< 0.5	131	0.5	1.3	< 6	1.0
109239	0.3	5.9	42	3.69	1610	< 1	4.1	12.2	100	< 0.8	2.4	20.9	0.02	< 2	2.0	22.1	3.6	< 0.5	191	0.3	0.8	< 6	0.6
109240	0.2	6.1	29	3.75	1930	< 1	3.9	12.2	80	< 0.8	2.5	2.1	0.05	< 2	2.9	22.1	3.4	< 0.5	214	0.2	0.9	< 6	0.5
109241	0.6	10.6	27	2.04	2050	< 1	6.9	19.9	< 10	2.1	4.0	26.7	0.42	< 2	2.2	24.2	5.9	< 0.5	204	0.5	1.4	< 6	1.0
109242	0.2	3.7	13	4.20	1570	< 1	< 2.4	7.8	100	< 0.8	1.6	2.4	0.03	< 2	1.4	24.2	2.3	0.6	141	0.7	0.6	< 6	0.3
109243	0.5	8.1	393	4.46	2420	< 1	4.2	10.1	90	< 0.8	2.2	20.5	0.35	< 2	1.4	23.6	2.9	< 0.5	69	0.6	0.8	< 6	0.4
109244	0.4	5.6	192	3.76	2010	< 1	3.1	10.2	80	< 0.8	2.1	32.6	0.25	< 2	1.2	22.6	2.9	< 0.5	55	0.7	0.7	< 6	0.4
109245	0.4	5.3	223	3.39	1910	< 1	2.9	9.3	70	< 0.8	1.9	233	0.25	< 2	2.8	24.7	2.7	< 0.5	45	0.3	0.7	< 6	0.4
109246	1.7	0.4	85	0.11	232	14	101.8	0.6	< 10	3.9	0.1	1140	0.01	< 2	6.1	> 30.0	0.4	35.3	49	82.0	< 0.1	< 6	2.2
109247	0.3	5.2	229	3.15	1740	< 1	3.1	8.7	70	< 0.8	1.8	136	0.13	< 2	3.1	24.2	2.6	4.7	109	0.3	0.6	< 6	0.4

Analyte Symbol	K	La	Li	Mg	Mn	Mo	Nb	Nd	Ni	Pb	Pr	Rb	S	Sb	Se	Si	Sm	Sn	Sr	Ta	Tb	Te	Th
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	0.4	3	0.01	3	1	2.4	0.4	10	0.8	0.1	0.4	0.01	2	0.8	0.01	0.1	0.5	3	0.2	0.1	6	0.1
Method Code	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
109248	0.4	5.1	167	3.54	1670	1	2.9	8.9	70	< 0.8	1.8	42.1	0.21	< 2	1.5	23.5	2.7	< 0.5	63	0.9	0.7	< 6	0.4
109249	0.4	5.1	198	3.24	1430	< 1	2.7	9.4	70	< 0.8	1.9	51.2	0.25	< 2	1.4	23.3	2.7	< 0.5	53	0.3	0.7	< 6	0.4
109250	0.5	5.3	143	4.03	1990	< 1	2.4	9.4	70	< 0.8	2.0	37.7	0.25	< 2	1.0	23.8	2.8	< 0.5	82	0.2	0.7	< 6	0.4
109251	0.3	5.1	129	3.82	2000	< 1	< 2.4	9.7	70	< 0.8	1.9	23.2	0.09	< 2	1.5	23.4	2.9	< 0.5	100	< 0.2	0.7	< 6	0.4
109252	0.2	4.0	125	3.36	1690	< 1	< 2.4	8.3	60	< 0.8	1.7	20.0	0.06	< 2	2.2	24.0	2.4	< 0.5	110	< 0.2	0.6	< 6	0.3
109253	0.1	3.2	65	3.33	1430	< 1	< 2.4	5.7	100	< 0.8	1.2	9.7	0.18	< 2	3.9	22.7	1.8	< 0.5	84	< 0.2	0.5	< 6	0.3
109254	0.1	3.5	63	4.12	1540	< 1	< 2.4	5.9	120	1.9	1.3	11.9	0.04	< 2	13.6	24.5	1.8	< 0.5	166	< 0.2	0.5	< 6	0.3
109255	< 0.1	2.9	55	4.09	1240	< 1	< 2.4	5.3	110	14.8	1.1	5.3	0.08	< 2	12.1	23.4	1.6	< 0.5	73	< 0.2	0.5	< 6	0.2
109256	0.5	7.8	668	3.25	1690	< 1	4.0	13.7	50	9.6	2.7	21.5	0.03	< 2	12.9	22.8	4.1	< 0.5	121	0.3	0.9	< 6	0.6
109257	0.5	7.6	656	2.60	1850	< 1	5.7	15.0	30	109	3.1	269	0.09	3	10.4	23.6	4.5	2.5	111	0.5	1.1	< 6	0.7
109258	1.7	2.1	58	0.03	256	48	100.1	2.7	190	14.8	0.6	1350	< 0.01	< 2	7.1	> 30.0	0.6	22.1	76	100	< 0.1	< 6	2.5
109259	0.7	8.0	658	2.71	1860	< 1	5.0	15.9	40	1.5	3.1	286	0.08	< 2	5.8	22.8	4.6	< 0.5	118	0.4	1.1	< 6	0.7
109260	0.6	7.6	1370	3.02	1580	< 1	4.2	14.6	50	< 0.8	3.0	32.8	0.04	< 2	2.6	23.4	4.1	< 0.5	98	0.3	0.9	< 6	0.6
109261	0.1	4.4	267	3.53	1450	< 1	< 2.4	8.5	70	3.9	1.7	13.3	0.14	< 2	4.5	23.7	2.5	< 0.5	46	0.2	0.7	< 6	0.3
109262	2.4	< 0.4	7650	0.02	335	6	73.9	< 0.4	< 10	2.6	< 0.1	1690	< 0.01	< 2	1.6	26.9	0.1	129	25	96.5	< 0.1	< 6	2.0
109263	0.2	3.5	469	3.43	1570	< 1	< 2.4	6.5	60	< 0.8	1.4	56.8	0.27	< 2	3.5	24.0	2.0	< 0.5	60	< 0.2	0.5	< 6	0.2
109264	0.4	3.8	1070	3.84	1500	< 1	< 2.4	7.6	70	< 0.8	1.6	144	0.13	< 2	5.8	23.9	2.3	< 0.5	61	0.3	0.6	< 6	0.3
109265	4.5	< 0.4	5310	0.05	316	8	84.3	< 0.4	< 10	25.2	< 0.1	3490	< 0.01	< 2	4.9	> 30.0	0.2	36.5	108	51.9	< 0.1	< 6	1.6
109266	2.4	< 0.4	4590	0.03	267	6	95.7	< 0.4	< 10	16.9	< 0.1	1690	0.02	< 2	6.1	> 30.0	0.3	32.2	119	65.9	< 0.1	< 6	2.8
109267	< 0.1	< 0.4	< 3	1.56	22	< 1	< 2.4	< 0.4	< 10	< 0.8	< 0.1	0.9	0.09	< 2	6.8	0.15	< 0.1	< 0.5	3780	4.5	< 0.1	< 6	< 0.1
109268	1.7	0.6	3420	0.05	377	< 1	90.5	0.7	< 10	10.9	0.2	1400	< 0.01	< 2	10.5	> 30.0	0.2	64.1	92	73.3	< 0.1	< 6	2.3
109269	0.6	3.8	1990	4.45	1690	< 1	4.9	7.2	70	13.4	1.4	314	0.63	< 2	6.3	23.3	2.0	6.0	78	14.6	0.6	< 6	0.3
109270	0.8	4.5	790	4.33	1840	< 1	< 2.4	8.5	60	9.0	1.7	350	0.57	< 2	8.3	23.3	2.7	0.5	150	< 0.2	0.7	< 6	0.3
109271	0.2	4.1	637	4.10	1560	< 1	< 2.4	8.5	70	< 0.8	1.7	28.8	0.17	< 2	5.2	22.7	2.7	< 0.5	130	< 0.2	0.7	< 6	0.4
109272	0.3	5.6	643	2.24	1540	< 1	2.8	9.2	40	< 0.8	2.0	98.7	0.12	< 2	6.9	26.2	2.6	4.6	170	0.3	0.6	< 6	0.4
109273	0.6	0.8	58	0.08	260	103	94.7	1.3	< 10	3.5	0.3	676	0.02	< 2	5.9	> 30.0	0.4	8.3	49	93.5	< 0.1	< 6	1.6
109274	0.3	6.8	277	2.80	1740	< 1	4.7	13.8	40	< 0.8	2.7	33.3	0.20	< 2	11.6	23.0	4.0	1.0	205	0.4	0.9	< 6	0.6
109275	0.1	3.3	179	3.94	1350	2	< 2.4	6.3	80	1.6	1.3	4.2	0.04	< 2	3.7	24.0	1.9	5.8	26	< 0.2	0.5	< 6	0.3
109276	0.5	3.6	227	3.06	3440	< 1	3.1	6.6	60	1.3	1.4	192	0.04	< 2	8.6	23.9	2.1	55.0	114	< 0.2	0.5	< 6	0.3
109277	0.2	3.7	165	4.69	1620	< 1	2.5	8.0	110	2.6	1.6	26.0	0.09	< 2	4.8	22.5	2.4	< 0.5	155	< 0.2	0.6	< 6	0.3
109278	0.2	4.2	179	4.46	1540	< 1	< 2.4	8.2	90	< 0.8	1.6	17.3	0.15	< 2	2.3	23.1	2.5	1.2	89	< 0.2	0.7	< 6	0.3
109279	0.2	3.6	91	4.48	1630	< 1	< 2.4	7.4	90	1.9	1.5	5.1	0.05	< 2	8.6	23.2	2.3	< 0.5	126	< 0.2	0.6	< 6	0.3
109280	2.4	< 0.4	7990	0.02	341	6	87.9	< 0.4	< 10	< 0.8	< 0.1	1700	< 0.01	< 2	2.2	> 30.0	< 0.1	123	26	130	< 0.1	< 6	2.1
109281	0.3	4.4	146	4.17	2280	< 1	< 2.4	7.9	60	< 0.8	1.6	17.7	0.02	< 2	5.1	24.5	2.2	< 0.5	68	< 0.2	0.6	< 6	0.4
109282	0.7	4.5	160	4.23	1660	< 1	< 2.4	8.0	60	< 0.8	1.7	100	0.06	< 2	2.7	23.5	2.4	< 0.5	126	< 0.2	0.6	< 6	0.4
109283	0.2	4.4	48	3.08	2180	< 1	< 2.4	8.1	80	8.2	1.7	8.2	0.07	< 2	4.5	24.5	2.5	< 0.5	83	< 0.2	0.7	< 6	0.4
109284	0.7	3.1	103	4.49	2100	< 1	2.5	6.1	70	< 0.8	1.2	31.5	0.02	< 2	3.4	25.5	2.1	< 0.5	90	0.6	0.6	< 6	0.5

Analyte Symbol	Ti	Tl	Tm	U	V	W	Y	Yb	Zn
Unit Symbol	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.1	0.1	0.1	5	0.7	0.1	0.1	30
Method Code	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
109166	0.92	0.5	0.4	0.4	249	1.6	28.1	2.2	130
109167	0.78	0.2	0.4	0.3	247	< 0.7	23.6	2.1	130
109168	0.61	0.3	0.3	0.2	187	< 0.7	18.8	1.8	80
109169	0.65	0.2	0.3	0.2	208	< 0.7	20.5	1.9	90
109170	0.47	1.8	0.2	0.9	175	1.1	15.3	1.4	100
109171	0.01	14.9	< 0.1	23.3	< 5	< 0.7	0.5	< 0.1	90
109172	< 0.01	10.8	< 0.1	15.5	< 5	2.1	< 0.1	< 0.1	30
109173	0.03	21.4	< 0.1	9.6	11	< 0.7	1.0	0.1	180
109174	< 0.01	< 0.1	< 0.1	1.7	< 5	< 0.7	0.1	< 0.1	< 30
109175	0.65	15.6	0.3	3.1	203	< 0.7	21.3	2.0	130
109176	< 0.01	3.8	< 0.1	10.1	< 5	< 0.7	0.3	< 0.1	30
109177	0.46	1.0	0.2	0.5	177	130	15.8	1.4	130
109178	0.45	0.4	0.3	0.3	187	44.3	16.5	1.5	100
109179	< 0.01	13.9	< 0.1	6.1	< 5	2.6	< 0.1	< 0.1	190
109180	0.49	2.8	0.2	1.5	145	47.5	16.2	1.3	240
109181	0.50	1.1	0.3	0.2	159	2.3	16.5	1.6	100
109182	0.47	1.9	0.2	0.4	150	9.0	15.9	1.5	110
109183	< 0.01	< 0.1	< 0.1	5.4	< 5	< 0.7	0.1	< 0.1	< 30
109184	0.56	0.8	0.3	0.2	187	< 0.7	17.3	1.5	120
109185	0.43	0.1	0.2	0.1	166	< 0.7	14.4	1.4	80
109186	0.50	0.2	0.3	0.2	159	< 0.7	16.6	1.4	70
109187	0.57	0.2	0.3	0.2	178	< 0.7	17.6	1.5	90
109188	0.64	0.2	0.3	0.4	173	1.3	19.4	1.4	100
109189	0.63	0.1	0.4	< 0.1	313	< 0.7	25.6	2.6	100
109190	< 0.01	14.0	< 0.1	6.2	< 5	1.1	< 0.1	< 0.1	190
109191	0.62	0.3	0.4	< 0.1	316	< 0.7	25.0	2.4	110
109192	0.61	2.1	0.4	1.8	323	< 0.7	25.0	2.5	200
109193	0.01	13.1	< 0.1	10.0	< 5	< 0.7	0.3	< 0.1	80
109194	< 0.01	< 0.1	< 0.1	1.7	< 5	< 0.7	< 0.1	< 0.1	< 30
109195	0.01	10.7	< 0.1	6.9	< 5	< 0.7	< 0.1	< 0.1	60
109196	0.60	1.1	0.4	0.1	294	< 0.7	24.0	2.3	110
109197	0.63	0.6	0.4	< 0.1	299	< 0.7	24.1	2.4	110
109198	0.63	0.7	0.4	0.6	303	< 0.7	24.8	2.4	120
109199	0.01	13.1	< 0.1	25.7	< 5	1.8	< 0.1	< 0.1	60
109200	< 0.01	1.5	< 0.1	23.1	< 5	1.4	< 0.1	< 0.1	100
109201	0.66	0.6	0.4	0.3	312	< 0.7	25.3	2.5	100
109202	0.59	0.1	0.4	< 0.1	296	< 0.7	23.4	2.3	100
109203	0.63	< 0.1	0.4	< 0.1	295	< 0.7	24.2	2.4	100
109204	0.60	< 0.1	0.4	< 0.1	273	< 0.7	22.5	2.2	100
109205	0.60	0.1	0.4	< 0.1	308	< 0.7	24.0	2.3	120
109206	0.62	0.2	0.4	< 0.1	293	< 0.7	23.7	2.3	150

Analyte Symbol	Ti	Tl	Tm	U	V	W	Y	Yb	Zn
Unit Symbol	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.1	0.1	0.1	5	0.7	0.1	0.1	30
Method Code	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
109207	0.63	3.7	0.4	0.2	316	< 0.7	26.3	2.5	130
109208	0.17	5.7	< 0.1	4.7	83	< 0.7	6.2	0.5	190
109209	< 0.01	< 0.1	< 0.1	1.7	< 5	< 0.7	< 0.1	< 0.1	< 30
109210	0.59	0.2	0.4	0.1	286	2.6	23.3	2.3	110
109211	0.62	< 0.1	0.4	< 0.1	299	< 0.7	23.5	2.2	110
109212	0.54	0.3	0.3	< 0.1	281	< 0.7	21.3	2.1	130
109213	0.55	< 0.1	0.4	< 0.1	285	< 0.7	22.2	2.1	110
109214	0.62	< 0.1	0.4	< 0.1	316	< 0.7	24.1	2.4	130
109215	< 0.01	14.0	< 0.1	5.8	< 5	0.9	< 0.1	< 0.1	190
109216	0.54	< 0.1	0.3	< 0.1	292	< 0.7	20.8	2.1	90
109217	1.28	< 0.1	0.7	0.1	208	< 0.7	45.3	4.2	140
109218	0.96	0.6	0.4	0.2	323	< 0.7	24.7	2.3	140
109219	0.86	0.1	0.4	< 0.1	275	< 0.7	24.4	2.2	120
109220	1.09	< 0.1	0.4	< 0.1	440	< 0.7	28.4	2.5	140
109221	1.20	0.1	0.8	0.2	92	1.6	51.7	4.7	200
109222	0.59	< 0.1	0.4	< 0.1	286	< 0.7	23.2	2.3	110
109223	0.55	< 0.1	0.4	< 0.1	262	< 0.7	22.8	2.1	50
109224	0.59	0.3	0.4	< 0.1	287	< 0.7	22.6	2.3	90
109225	< 0.01	13.9	< 0.1	5.7	< 5	< 0.7	< 0.1	< 0.1	190
109226	0.60	0.1	0.3	< 0.1	284	< 0.7	21.5	2.0	80
109227	0.59	0.4	0.4	0.4	292	< 0.7	23.0	2.3	110
109228	< 0.01	16.5	< 0.1	11.0	< 5	< 0.7	< 0.1	< 0.1	160
109229	0.01	16.4	< 0.1	16.3	< 5	< 0.7	< 0.1	< 0.1	70
109230	< 0.01	< 0.1	< 0.1	1.5	< 5	< 0.7	0.1	< 0.1	< 30
109231	0.01	8.6	< 0.1	11.3	< 5	< 0.7	< 0.1	< 0.1	40
109232	0.01	7.7	< 0.1	18.4	< 5	3.1	0.1	< 0.1	50
109233	0.58	0.6	0.4	0.3	322	< 0.7	25.6	2.6	90
109234	0.59	0.6	0.4	< 0.1	313	< 0.7	25.1	2.6	80
109235	0.56	0.3	0.4	< 0.1	311	< 0.7	24.5	2.6	80
109236	0.54	< 0.1	0.4	< 0.1	294	< 0.7	23.4	2.4	110
109237	0.56	0.2	0.4	< 0.1	325	< 0.7	24.8	2.6	50
109238	1.32	< 0.1	0.7	0.2	224	< 0.7	47.1	4.5	120
109239	0.92	0.1	0.4	0.1	304	< 0.7	28.0	2.6	120
109240	0.95	< 0.1	0.4	< 0.1	400	< 0.7	27.3	2.5	140
109241	1.24	0.2	0.7	0.2	175	< 0.7	45.1	4.3	170
109242	0.52	< 0.1	0.4	< 0.1	268	< 0.7	22.6	2.3	50
109243	0.59	0.2	0.5	0.2	313	1.3	27.6	2.9	60
109244	0.63	0.3	0.4	< 0.1	327	< 0.7	26.6	2.8	60
109245	0.57	2.0	0.4	< 0.1	291	< 0.7	24.7	2.6	60
109246	0.02	6.7	< 0.1	10.5	8	< 0.7	1.0	0.1	60
109247	0.54	1.1	0.4	0.2	273	< 0.7	23.2	2.4	50

Analyte Symbol	Ti	Tl	Tm	U	V	W	Y	Yb	Zn
Unit Symbol	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.1	0.1	0.1	5	0.7	0.1	0.1	30
Method Code	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
109248	0.60	0.4	0.4	< 0.1	289	4.1	24.1	2.5	60
109249	0.59	0.5	0.4	< 0.1	282	< 0.7	23.9	2.4	50
109250	0.59	0.3	0.4	< 0.1	285	< 0.7	23.8	2.6	50
109251	0.61	0.2	0.4	< 0.1	288	< 0.7	24.8	2.8	100
109252	0.57	0.1	0.4	< 0.1	268	< 0.7	21.8	2.4	60
109253	0.42	0.1	0.3	< 0.1	246	< 0.7	19.1	2.2	80
109254	0.42	0.1	0.3	0.1	235	< 0.7	18.6	2.2	80
109255	0.40	< 0.1	0.3	< 0.1	241	< 0.7	18.0	2.1	70
109256	1.14	0.1	0.5	0.2	450	< 0.7	28.0	2.9	140
109257	1.19	2.5	0.5	0.8	354	5.8	32.8	3.3	170
109258	0.01	9.4	< 0.1	9.8	< 5	< 0.7	1.2	< 0.1	50
109259	1.13	2.8	0.5	0.3	340	< 0.7	32.3	3.2	140
109260	0.99	0.2	0.5	< 0.1	315	< 0.7	28.9	2.9	90
109261	0.59	0.2	0.4	< 0.1	270	< 0.7	22.1	2.4	120
109262	< 0.01	13.6	< 0.1	5.5	< 5	< 0.7	0.2	< 0.1	180
109263	0.50	0.5	0.3	< 0.1	256	< 0.7	18.2	2.0	90
109264	0.56	1.3	0.4	< 0.1	274	< 0.7	21.2	2.4	100
109265	0.01	27.6	< 0.1	16.1	6	< 0.7	0.3	< 0.1	40
109266	< 0.01	13.8	< 0.1	15.4	< 5	< 0.7	0.2	< 0.1	60
109267	< 0.01	< 0.1	< 0.1	1.6	< 5	< 0.7	0.2	< 0.1	< 30
109268	0.01	10.9	< 0.1	22.5	< 5	< 0.7	0.5	< 0.1	80
109269	0.53	2.8	0.3	0.3	271	< 0.7	20.2	2.2	570
109270	0.71	2.6	0.4	< 0.1	292	< 0.7	23.6	2.6	300
109271	0.65	0.2	0.4	< 0.1	299	< 0.7	23.3	2.4	110
109272	0.64	0.7	0.3	1.1	299	10.0	19.4	1.9	110
109273	0.03	4.3	< 0.1	7.4	9	< 0.7	1.1	< 0.1	40
109274	1.10	0.5	0.4	0.3	326	< 0.7	29.1	2.9	140
109275	0.55	< 0.1	0.3	< 0.1	242	< 0.7	18.0	1.9	120
109276	0.50	1.6	0.3	< 0.1	237	29.3	19.5	2.2	100
109277	0.56	0.2	0.4	< 0.1	274	< 0.7	22.8	2.5	100
109278	0.59	< 0.1	0.4	< 0.1	273	< 0.7	22.7	2.4	100
109279	0.57	< 0.1	0.4	< 0.1	274	< 0.7	22.5	2.5	100
109280	< 0.01	13.6	< 0.1	5.7	< 5	< 0.7	0.2	< 0.1	180
109281	0.56	< 0.1	0.4	< 0.1	264	< 0.7	22.1	2.4	90
109282	0.56	0.8	0.4	< 0.1	276	< 0.7	22.5	2.5	100
109283	0.57	< 0.1	0.4	< 0.1	299	< 0.7	24.3	2.6	140
109284	0.63	0.1	0.4	0.1	296	< 0.7	23.9	2.6	90

Analyte Symbol	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	Fe	Ga	Gd	Ge	Ho	Hf	In
Unit Symbol	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	5	10	3	3	2	0.01	2	0.8	0.2	30	0.1	2	0.3	0.1	0.1	0.05	0.2	0.1	0.7	0.2	10	0.2
Method Code	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
GXR-1 Meas	3.48	468	20	712	< 3	1480	1.05	< 2	15.5	8.1	40	3.1	1200	4.9		0.6	24.7	13.4	4.6			< 10	0.6
GXR-1 Cert	3.52	427	15.0	750	1.22	1380	0.960	3.30	17.0	8.20	12.0	3.00	1110	4.30		0.690	23.6	13.8	4.20			0.960	0.770
GXR-1 Meas	3.40						0.85										25.0						
GXR-1 Cert	3.52						0.960										23.6						
NIST 696 Meas											310												
NIST 696 Cert											321.0												
NIST 696 Meas											300												
NIST 696 Cert											321.0												
GBW 07239 (NCS DC 70007) Meas		< 5				< 2			60.0	15.1			44					26.3		12.5			
GBW 07239 (NCS DC 70007) Cert		1.0				1.0			60.3	13.5			48.6					23.1		12.4			
GBW 07239 (NCS DC 70007) Meas		< 5				< 2			62.9	13.2			46					23.8		12.5			
GBW 07239 (NCS DC 70007) Cert		1.0				1.0			60.3	13.5			48.6					23.1		12.4			
OREAS 131a (Fusion) Meas		89		908				81		24.4			333				5.89						
OREAS 131a (Fusion) Cert		91		865				80		25			324				5.90						
OREAS 131a (Fusion) Meas		92		902				83		22.7			324				5.80						
OREAS 131a (Fusion) Cert		91		865				80		25			324				5.90						
MP-1b Meas		> 10000				912	2.43	587					> 10000				8.09						563
MP-1b Cert		23000.00				954.0000	2.47	527.0000					30690.000				8.19						565.0000
MP-1b Meas		> 10000				959	2.42	595					> 10000				7.98						565
MP-1b Cert		23000.00				954.0000	2.47	527.0000					30690.000				8.19						565.0000
OREAS 101a (Fusion) Meas									1430	49.9			433	31.5	20.1	8.4	11.4		40.7		6.5		
OREAS 101a (Fusion) Cert									1396	48.8			434	33.3	19.5	8.06	11.06		43.4		6.46		
OREAS 101a (Fusion) Meas																	11.1						
OREAS 101a (Fusion) Cert																	11.06						
OREAS 13b (fusion) Meas	8.42						5.40										8.51						
OREAS 13b (fusion) Cert	8.41						5.57										8.41						
OREAS 13b (fusion) Meas	8.58						5.73										8.28						

Analyte Symbol	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	Fe	Ga	Gd	Ge	Ho	Hf	In
Unit Symbol	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	5	10	3	3	2	0.01	2	0.8	0.2	30	0.1	2	0.3	0.1	0.1	0.05	0.2	0.1	0.7	0.2	10	0.2
Method Code	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
OREAS 13b (fusion) Cert	8.41						5.57										8.41						
NCS DC86303 Meas												362											
NCS DC86303 Cert												350											
NCS DC86303 Meas												308											
NCS DC86303 Cert												350											
NCS DC86314 Meas												2910											
NCS DC86314 Cert												2830											
NCS DC86314 Meas												2820											
NCS DC86314 Cert												2830											
CZN-4 Meas	0.08																						
CZN-4 Cert	0.0715																						
OREAS 922 (Peroxide Fusion) Meas	7.46			479		10	0.51		90.2	21.2	110	7.7	2250	5.4	3.3	1.5	5.75	21.0	6.8		0.8	< 10	0.3
OREAS 922 (Peroxide Fusion) Cert	7.59			481		10.8	0.486		88.0	20.9	90.0	7.50	2215	5.75	3.38	1.52	5.71	21.2	6.94		1.20	5.93	0.340
OREAS 922 (Peroxide Fusion) Meas	7.52			507		11	0.56		89.8	19.0	70	8.6	2150	5.8	3.3	1.5	5.52	19.4	7.4		1.1	< 10	0.3
OREAS 922 (Peroxide Fusion) Cert	7.59			481		10.8	0.486		88.0	20.9	90.0	7.50	2215	5.75	3.38	1.52	5.71	21.2	6.94		1.20	5.93	0.340
OREAS 621 (Peroxide Fusion) Meas	6.48	79		2500	< 3	4	2.02	257	53.6	28.6	60	3.2	3410				3.83	23.9					1.9
OREAS 621 (Peroxide Fusion) Cert	6.63	85.0		2610	2.00	4.00	2.00	295	52.0	31.4	48.7	3.59	3680				3.71	26.5					1.93
109172 Orig	8.42	< 5	30	7	195	< 2	0.27	< 2	1.2	< 0.2	40	50.7	< 2	< 0.3	< 0.1	< 0.1	0.24	53.3	< 0.1	4.3	< 0.2	< 10	< 0.2
109172 Dup	8.54	< 5	20	6	200	< 2	0.25	< 2	1.3	< 0.2	40	49.3	< 2	< 0.3	< 0.1	< 0.1	0.23	53.1	< 0.1	4.2	< 0.2	< 10	< 0.2
109180 Orig	7.29	< 5	20	328	75	6	11.0	< 2	95.8	42.7	630	60.8	79	3.1	1.6	2.0	7.02	23.5	5.5	4.8	0.2	< 10	< 0.2
109180 Dup	7.15	< 5	20	332	75	6	10.9	< 2	95.6	42.9	620	63.8	82	3.2	1.7	2.0	7.06	23.9	5.5	4.7	0.2	< 10	< 0.2
109194 Orig	0.03	< 5	< 10	11	< 3	< 2	38.8	< 2	< 0.8	< 0.2	30	< 0.1	< 2	< 0.3	< 0.1	< 0.1	< 0.05	< 0.2	< 0.1	< 0.7	< 0.2	< 10	< 0.2
109194 Dup	0.03	< 5	< 10	11	< 3	< 2	38.7	< 2	< 0.8	< 0.2	30	< 0.1	< 2	< 0.3	< 0.1	< 0.1	< 0.05	< 0.2	< 0.1	< 0.7	< 0.2	< 10	< 0.2
109202 Orig	7.14	< 5	20	11	< 3	< 2	10.8	< 2	12.7	52.8	170	5.7	89	3.8	2.7	0.9	9.52	20.5	3.5	< 0.7	0.5	< 10	< 0.2

Analyte Symbol	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	Fe	Ga	Gd	Ge	Ho	Hf	In
Unit Symbol	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	5	10	3	3	2	0.01	2	0.8	0.2	30	0.1	2	0.3	0.1	0.1	0.05	0.2	0.1	0.7	0.2	10	0.2
Method Code	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
109202 Dup	7.31	< 5	10	11	< 3	< 2	10.7	< 2	12.8	52.3	160	5.6	88	3.8	2.7	0.9	9.50	20.9	3.6	< 0.7	0.5	< 10	< 0.2
109216 Split PREP DUP	8.07	< 5	< 10	22	< 3	< 2	7.46	< 2	9.0	47.6	200	2.0	82	3.6	2.4	0.8	8.48	17.0	3.4	< 0.7	0.8	< 10	< 0.2
109216 Orig	8.07	7	< 10	22	< 3	< 2	7.80	< 2	9.0	51.9	210	2.2	82	3.3	2.4	0.8	8.33	18.2	3.1	< 0.7	0.4	< 10	< 0.2
109216 Dup	8.37	< 5	< 10	21	< 3	< 2	8.00	< 2	9.2	52.4	210	1.7	82	3.4	2.4	0.8	8.46	18.0	3.1	< 0.7	0.4	< 10	< 0.2
109224 Orig	7.55	< 5	< 10	87	< 3	< 2	7.07	< 2	10.4	54.7	160	9.2	157	3.7	2.6	0.8	9.48	16.6	3.4	< 0.7	0.5	< 10	< 0.2
109224 Dup	7.87	< 5	< 10	46	< 3	< 2	7.41	< 2	10.8	53.9	160	9.5	160	3.8	2.6	0.8	9.75	16.7	3.4	< 0.7	0.5	< 10	< 0.2
109238 Orig	7.10	10	< 10	46	< 3	< 2	6.48	< 2	25.0	42.8	< 30	0.3	34	8.0	4.9	2.0	12.6	25.6	7.9	< 0.7	1.6	< 10	< 0.2
109238 Dup	7.03	7	< 10	51	< 3	< 2	6.71	< 2	26.8	41.6	< 30	0.5	36	8.1	5.1	2.1	12.5	24.9	8.0	< 0.7	1.7	< 10	< 0.2
109246 Orig	8.07	9	360	54	192	6	0.92	< 2	1.0	1.4	< 30	54.6	10	< 0.3	0.1	< 0.1	0.58	52.7	0.2	5.9	< 0.2	< 10	< 0.2
109246 Dup	8.17	10	360	54	200	12	0.87	< 2	1.0	1.6	< 30	55.6	10	< 0.3	< 0.1	0.1	0.58	52.5	0.2	5.6	< 0.2	< 10	< 0.2
109260 Orig	7.46	< 5	< 10	60	< 3	< 2	5.48	< 2	19.5	50.1	50	29.3	103	5.8	3.4	1.6	12.2	23.2	6.0	< 0.7	1.1	< 10	< 0.2
109260 Dup	7.50	< 5	< 10	57	< 3	< 2	5.43	< 2	19.4	50.0	50	28.8	101	5.7	3.4	1.5	12.2	23.2	5.9	< 0.7	1.1	< 10	< 0.2
109265 Orig	8.67	< 5	140	49	211	16	0.26	< 2	< 0.8	0.6	< 30	170	3	< 0.3	< 0.1	< 0.1	0.43	59.4	< 0.1	5.6	< 0.2	< 10	< 0.2
109265 Split PREP DUP	8.41	< 5	130	46	211	38	0.30	< 2	< 0.8	0.5	< 30	161	4	< 0.3	< 0.1	< 0.1	0.47	60.1	< 0.1	6.2	< 0.2	< 10	< 0.2
109268 Orig	8.62	< 5	500	16	276	15	0.34	< 2	1.3	0.3	< 30	134	4	< 0.3	< 0.1	< 0.1	0.53	68.6	0.1	4.9	< 0.2	< 10	< 0.2
109268 Dup	8.59	< 5	490	15	275	18	0.33	< 2	1.3	0.4	< 30	129	4	< 0.3	< 0.1	< 0.1	0.53	68.3	0.1	5.0	< 0.2	< 10	< 0.2
109282 Orig	7.49	< 5	< 10	171	< 3	< 2	6.48	< 2	11.4	47.7	200	22.5	104	3.9	2.6	0.9	9.37	16.3	3.5	< 0.7	0.8	< 10	< 0.2
109282 Dup	7.55	< 5	< 10	180	< 3	< 2	6.71	< 2	11.7	49.3	190	24.1	105	4.0	2.7	0.9	9.65	17.0	3.7	< 0.7	0.9	< 10	< 0.2
Method Blank	< 0.01	< 5	< 10	< 3	< 3	< 2	0.05	< 2	< 0.8	< 0.2	40	< 0.1	< 2	< 0.3	< 0.1	< 0.1	< 0.05	< 0.2	< 0.1	< 0.7	< 0.2	< 10	< 0.2
Method Blank	< 0.01	< 5	< 10	3	< 3	< 2	0.05	< 2	< 0.8	< 0.2	60	0.2	3	< 0.3	< 0.1	< 0.1	< 0.05	< 0.2	< 0.1	< 0.7	< 0.2	< 10	< 0.2
Method Blank	< 0.01						< 0.01										< 0.05						
Method Blank	< 0.01						< 0.01										< 0.05						
Method Blank	< 0.01	< 5	< 10	< 3	< 3	< 2	0.04	< 2	< 0.8	< 0.2	< 30	< 0.1	2	< 0.3	< 0.1	< 0.1	< 0.05	0.2	< 0.1	< 0.7	< 0.2	< 10	< 0.2
Method Blank	< 0.01	< 5	< 10	< 3	< 3	< 2	0.02	< 2	< 0.8	< 0.2	< 30	< 0.1	< 2	< 0.3	< 0.1	< 0.1	< 0.05	0.4	< 0.1	< 0.7	< 0.2	< 10	< 0.2
Method Blank	< 0.01	< 5	< 10	< 3	< 3	< 2	< 0.01	< 2	< 0.8	< 0.2	< 30	0.2	< 2	< 0.3	< 0.1	< 0.1	< 0.05	< 0.2	< 0.1	< 0.7	< 0.2	< 10	

Analyte Symbol	K	La	Li	Mg	Mn	Mo	Nb	Nd	Ni	Pb	Pr	Rb	S	Sb	Se	Si	Sm	Sn	Sr	Ta	Tb	Te	Th
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	0.4	3	0.01	3	1	2.4	0.4	10	0.8	0.1	0.4	0.01	2	0.8	0.01	0.1	0.5	3	0.2	0.1	6	0.1
Method Code	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
GXR-1 Meas	< 0.1	6.9	6	0.23	878	19	2.6	8.8	30	796		2.2	0.24	130	16.5		2.8	58.9	293	0.3	0.9	13	2.6
GXR-1 Cert	0.050	7.50	8.20	0.217	852	18.0	0.800	18.0	41.0	730		14.0	0.257	122	16.6		2.70	54.0	275	0.175	0.830	13.0	2.44
GXR-1 Meas	< 0.1			0.22									0.27										
GXR-1 Cert	0.050			0.217									0.257										
NIST 696 Meas																							
NIST 696 Cert																							
NIST 696 Meas																							
NIST 696 Cert																							
GBW 07239 (NCS DC 70007) Meas		38.1			> 10000	1100		30.9	60	27.9	8.0							30.9					
GBW 07239 (NCS DC 70007) Cert		37.4			11540.000	1100		29.8	20.9	26.1	7.40							33.2					
GBW 07239 (NCS DC 70007) Meas		39.8			> 10000	1090		33.5	20	25.7	8.5							32.0					
GBW 07239 (NCS DC 70007) Cert		37.4			11540.000	1100		29.8	20.9	26.1	7.40							33.2					
OREAS 131a (Fusion) Meas										> 5000			4.51	47									
OREAS 131a (Fusion) Cert										17400.00			4.82	49									
OREAS 131a (Fusion) Meas										> 5000			4.88	48									
OREAS 131a (Fusion) Cert										17400.00			4.82	49									
MP-1b Meas				0.03		322				> 5000			13.3	52		17.0		> 10000					
MP-1b Cert				0.024		285				20900			13.79	54.0		16.79		16100					
MP-1b Meas				0.02		327				> 5000			13.1	54		16.4		> 10000					
MP-1b Cert				0.024		285				20900			13.79	54.0		16.79		16100					
OREAS 101a (Fusion) Meas	2.3	831		1.26	982	20		413		6.3	136						49.2				6.0		36.5
OREAS 101a (Fusion) Cert	2.34	816		1.23	964	21.9		403		19	134						48.8				5.92		36.6
OREAS 101a (Fusion) Meas	2.2			1.25																			
OREAS 101a (Fusion) Cert	2.34			1.23																			
OREAS 13b (fusion) Meas	2.3			3.08									1.14			23.2							
OREAS 13b (fusion) Cert	2.30			3.01									1.19			22.9							
OREAS 13b (fusion) Meas	2.3			3.13									1.21			23.7							
OREAS 13b (fusion) Cert	2.30			3.01									1.19			22.9							

Analyte Symbol	K	La	Li	Mg	Mn	Mo	Nb	Nd	Ni	Pb	Pr	Rb	S	Sb	Se	Si	Sm	Sn	Sr	Ta	Tb	Te	Th
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	0.4	3	0.01	3	1	2.4	0.4	10	0.8	0.1	0.4	0.01	2	0.8	0.01	0.1	0.5	3	0.2	0.1	6	0.1
Method Code	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
NCS DC86303 Meas			2090									1360											
NCS DC86303 Cert			2100.00									1330											
NCS DC86303 Meas			2040									1300											
NCS DC86303 Cert			2100.00									1330											
NCS DC86314 Meas			> 10000									> 5000						149					
NCS DC86314 Cert			18100.00									11400						152					
NCS DC86314 Meas			> 10000									> 5000						158					
NCS DC86314 Cert			18100.00									11400						152					
CZN-4 Meas													> 25.0			0.29							
CZN-4 Cert													33.07			0.295							
OREAS 922 (Peroxide Fusion) Meas	2.5	45.4	30	1.67	883		13.4	38.6	30	62.6	10.3	171	0.36			> 30.0	7.0	10.4	62	1.2	1.0		17.5
OREAS 922 (Peroxide Fusion) Cert	2.60	45.6	28.8	1.61	880		15.2	38.9	43.4	64.0	10.6	167	0.389			30.51	7.31	10.0	58.0	1.33	1.02		17.7
OREAS 922 (Peroxide Fusion) Meas	2.5	46.7	34	1.66	815		13.2	39.3	30	62.3	10.8	166	0.38			> 30.0	7.3	10.2	61	1.2	1.0		16.5
OREAS 922 (Peroxide Fusion) Cert	2.60	45.6	28.8	1.61	880		15.2	38.9	43.4	64.0	10.6	167	0.389			30.51	7.31	10.0	58.0	1.33	1.02		17.7
OREAS 621 (Peroxide Fusion) Meas	2.2	27.0		0.52	515	12	8.0	22.7		> 5000	6.0	80.3	4.44	134		28.3			92				8.2
OREAS 621 (Peroxide Fusion) Cert	2.23	26.1		0.516	554	13.5	10.4	24.2		13300	6.64	89.0	4.51	146		28.1			101				8.56
109172 Orig	1.0	< 0.4	471	< 0.01	401	< 1	104.8	< 0.4	< 10	17.7	< 0.1	1300	0.01	< 2	2.0	> 30.0	< 0.1	24.5	15	155	< 0.1	< 6	1.8
109172 Dup	1.0	< 0.4	474	< 0.01	402	< 1	112.2	< 0.4	< 10	5.9	< 0.1	1290	0.01	< 2	1.0	> 30.0	< 0.1	25.0	14	176	< 0.1	< 6	1.8
109180 Orig	0.4	41.5	241	2.61	1660	< 1	18.3	48.1	160	3.0	11.9	273	0.20	< 2	2.1	23.7	7.2	62.6	610	19.1	0.7	< 6	5.8
109180 Dup	0.4	41.7	237	2.59	1650	< 1	18.6	48.2	160	3.6	12.1	275	0.21	< 2	2.1	23.2	7.0	62.7	600	19.4	0.7	< 6	5.9
109194 Orig	< 0.1	< 0.4	< 3	1.41	18	< 1	< 2.4	< 0.4	< 10	< 0.8	< 0.1	< 0.4	0.13	< 2	< 0.8	0.16	< 0.1	< 0.5	4200	< 0.2	< 0.1	< 6	< 0.1
109194 Dup	< 0.1	< 0.4	< 3	1.42	17	< 1	< 2.4	< 0.4	< 10	< 0.8	< 0.1	< 0.4	0.13	< 2	1.2	0.14	< 0.1	< 0.5	4180	< 0.2	< 0.1	< 6	< 0.1
109202 Orig	< 0.1	3.9	178	4.09	1680	< 1	3.1	8.9	60	< 0.8	1.8	8.4	0.05	< 2	1.5	22.6	2.5	< 0.5	57	0.3	0.6	< 6	0.3
109202 Dup	< 0.1	3.9	183	4.14	1700	< 1	3.3	9.0	60	3.2	1.8	8.5	0.05	< 2	1.0	22.5	2.5	< 0.5	56	0.4	0.6	< 6	0.3
109216 Split	< 0.1	3.4	45	4.46	1600	< 1	< 2.4	6.8	70	< 0.8	1.4	4.1	< 0.01	< 2	2.9	24.6	2.2	< 0.5	96	< 0.2	0.6	< 6	0.3

Analyte Symbol	K	La	Li	Mg	Mn	Mo	Nb	Nd	Ni	Pb	Pr	Rb	S	Sb	Se	Si	Sm	Sn	Sr	Ta	Tb	Te	Th
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	0.4	3	0.01	3	1	2.4	0.4	10	0.8	0.1	0.4	0.01	2	0.8	0.01	0.1	0.5	3	0.2	0.1	6	0.1
Method Code	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
PREP DUP																							
109216 Orig	0.1	2.1	45	4.48	1710	< 1	3.0	6.9	70	< 0.8	1.3	3.6	0.01	< 2	< 0.8	23.9	2.1	< 0.5	86	0.4	0.6	< 6	0.2
109216 Dup	< 0.1	2.2	43	4.58	1710	< 1	2.4	6.8	70	< 0.8	1.4	3.0	0.02	< 2	< 0.8	24.7	2.1	< 0.5	87	0.3	0.6	< 6	0.2
109224 Orig	0.3	2.9	826	4.63	1800	< 1	< 2.4	7.6	60	< 0.8	1.5	32.7	0.31	< 2	< 0.8	23.8	2.3	< 0.5	37	0.2	0.6	< 6	0.3
109224 Dup	0.3	3.0	815	4.81	1810	< 1	2.5	8.0	60	< 0.8	1.5	33.8	0.33	< 2	< 0.8	25.3	2.3	< 0.5	40	0.2	0.6	< 6	0.3
109238 Orig	0.2	10.1	33	2.46	1820	< 1	6.8	19.0	20	< 0.8	3.9	3.3	0.13	< 2	3.6	25.0	5.5	< 0.5	129	0.5	1.3	< 6	1.0
109238 Dup	0.2	10.3	33	2.47	1760	< 1	6.7	19.9	20	< 0.8	4.0	3.5	0.12	< 2	4.0	24.5	5.6	< 0.5	133	0.5	1.3	< 6	1.0
109246 Orig	1.7	0.4	81	0.11	227	17	103.3	0.6	< 10	4.1	0.2	1140	0.02	< 2	7.6	> 30.0	0.3	35.4	50	85.7	< 0.1	< 6	2.2
109246 Dup	1.7	0.4	88	0.11	238	12	100.3	0.6	< 10	3.8	0.1	1130	0.01	< 2	4.7	> 30.0	0.4	35.2	48	78.3	< 0.1	< 6	2.2
109260 Orig	0.6	7.6	1360	3.02	1590	< 1	4.3	14.8	50	2.1	3.0	33.5	0.04	< 2	2.3	23.5	4.2	< 0.5	100	0.3	1.0	< 6	0.6
109260 Dup	0.5	7.6	1370	3.02	1580	< 1	4.1	14.5	50	< 0.8	2.9	32.1	0.03	< 2	2.9	23.2	4.1	< 0.5	96	0.2	0.9	< 6	0.6
109265 Orig	4.5	< 0.4	5310	0.05	316	8	84.3	< 0.4	< 10	25.2	< 0.1	3490	< 0.01	< 2	4.9	> 30.0	0.2	36.5	108	51.9	< 0.1	< 6	1.6
109265 Split PREP DUP	4.5	< 0.4	5330	0.05	308	2	77.7	< 0.4	< 10	12.0	< 0.1	3420	< 0.01	< 2	2.1	> 30.0	< 0.1	31.3	109	46.8	< 0.1	< 6	1.7
109268 Orig	1.7	0.6	3430	0.05	375	< 1	95.3	0.7	< 10	9.8	0.2	1390	< 0.01	< 2	12.5	> 30.0	0.2	63.1	92	70.4	< 0.1	< 6	2.3
109268 Dup	1.7	0.6	3420	0.05	378	< 1	85.7	0.7	< 10	12.0	0.2	1420	< 0.01	< 2	8.4	> 30.0	0.2	65.1	92	76.2	< 0.1	< 6	2.4
109282 Orig	0.8	4.5	158	4.20	1620	< 1	2.5	7.9	70	< 0.8	1.7	97.9	0.06	< 2	1.9	23.2	2.3	< 0.5	124	< 0.2	0.6	< 6	0.4
109282 Dup	0.7	4.5	163	4.26	1690	< 1	< 2.4	8.2	60	25.8	1.7	103	0.06	< 2	3.5	23.8	2.4	< 0.5	128	< 0.2	0.6	< 6	0.4
Method Blank	< 0.1	< 0.4	< 3	< 0.01	< 3	< 1	2.4	< 0.4	< 10	< 0.8	< 0.1	< 0.4	< 0.01	< 2	< 0.8	< 0.01	< 0.1	< 0.5	< 3	0.2	< 0.1	< 6	< 0.1
Method Blank	< 0.1	< 0.4	< 3	< 0.01	< 3	< 1	< 2.4	< 0.4	< 10	< 0.8	< 0.1	< 0.4	< 0.01	< 2	< 0.8	< 0.01	< 0.1	< 0.5	< 3	0.4	< 0.1	< 6	< 0.1
Method Blank	< 0.1			< 0.01									< 0.01			< 0.01							
Method Blank	< 0.1			< 0.01									< 0.01			< 0.01							
Method Blank	< 0.1	< 0.4	< 3	< 0.01	< 3	< 1	< 2.4	< 0.4	< 10	1.6	< 0.1	< 0.4	< 0.01	< 2	2.8	< 0.01	< 0.1	< 0.5	< 3	< 0.2	< 0.1	< 6	< 0.1
Method Blank	< 0.1	< 0.4	< 3	< 0.01	< 3	< 1	< 2.4	< 0.4	< 10	< 0.8	< 0.1	< 0.4	< 0.01	< 2	1.0	< 0.01	< 0.1	< 0.5	< 3	< 0.2	< 0.1	< 6	< 0.1
Method Blank	< 0.1	< 0.4	< 3	< 0.01	< 3	< 1	< 2.4	< 0.4	< 10	< 0.8	< 0.1	< 0.4	< 0.01	< 2	< 0.8	0.01	< 0.1	< 0.5	< 3	< 0.2	< 0.1	< 6	< 0.1

Analyte Symbol	Ti	Tl	Tm	U	V	W	Y	Yb	Zn
Unit Symbol	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.1	0.1	0.1	5	0.7	0.1	0.1	30
Method Code	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
GXR-1 Meas	0.03	0.4	0.4	36.5	85	174	31.2	2.2	830
GXR-1 Cert	0.036	0.390	0.430	34.9	80.0	164	32.0	1.90	760
GXR-1 Meas	0.03								
GXR-1 Cert	0.036								
NIST 696 Meas					379				
NIST 696 Cert					403.0000				
NIST 696 Meas					383				
NIST 696 Cert					403.0000				
GBW 07239 (NCSDC 70007) Meas						991	37.5		130
GBW 07239 (NCSDC 70007) Cert						1000.00	34.2		120.000
GBW 07239 (NCSDC 70007) Meas						1050	37.1		120
GBW 07239 (NCSDC 70007) Cert						1000.00	34.2		120.000
OREAS 131a (Fusion) Meas									> 10000
OREAS 131a (Fusion) Cert									28400.00
OREAS 131a (Fusion) Meas									> 10000
OREAS 131a (Fusion) Cert									28400.00
MP-1b Meas						1090			> 10000
MP-1b Cert						1100.000			166700.00
MP-1b Meas						1160			> 10000
MP-1b Cert						1100.000			166700.00
OREAS 101a (Fusion) Meas	0.40		2.9	453	78		184	16.7	
OREAS 101a (Fusion) Cert	0.395		2.90	422	83		183	17.5	
OREAS 101a (Fusion) Meas	0.40								
OREAS 101a (Fusion) Cert	0.395								
OREAS 13b (fusion) Meas	0.73								
OREAS 13b (fusion) Cert	0.711								
OREAS 13b	0.71								

Analyte Symbol	Ti	Tl	Tm	U	V	W	Y	Yb	Zn
Unit Symbol	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.1	0.1	0.1	5	0.7	0.1	0.1	30
Method Code	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
(fusion) Meas									
OREAS 13b (fusion) Cert	0.711								
NCS DC86303 Meas						6.7			
NCS DC86303 Cert						8.9			
NCS DC86303 Meas						8.3			
NCS DC86303 Cert						8.9			
NCS DC86314 Meas						69.8			
NCS DC86314 Cert						79.0			
NCS DC86314 Meas						73.6			
NCS DC86314 Cert						79.0			
CZN-4 Meas									
CZN-4 Cert									
OREAS 922 (Peroxide Fusion) Meas	0.42	0.9	0.5	3.5	96		31.6	2.8	280
OREAS 922 (Peroxide Fusion) Cert	0.439	0.880	0.510	3.59	92.0		31.1	3.17	277
OREAS 922 (Peroxide Fusion) Meas	0.43	0.9	0.5	3.3	88		30.8	2.9	260
OREAS 922 (Peroxide Fusion) Cert	0.439	0.880	0.510	3.59	92.0		31.1	3.17	277
OREAS 621 (Peroxide Fusion) Meas	0.19	2.0		2.7	33	2.7	12.6	1.0	> 10000
OREAS 621 (Peroxide Fusion) Cert	0.181	1.99		3.00	36.3	2.63	13.9	1.03	52200
109172 Orig	< 0.01	10.8	< 0.1	15.7	< 5	3.1	< 0.1	< 0.1	30
109172 Dup	< 0.01	10.7	< 0.1	15.2	< 5	1.2	< 0.1	< 0.1	30
109180 Orig	0.49	2.7	0.2	1.5	146	46.2	16.3	1.3	240
109180 Dup	0.48	2.8	0.2	1.5	144	48.8	16.0	1.3	240
109194 Orig	< 0.01	< 0.1	< 0.1	1.7	< 5	< 0.7	0.1	< 0.1	< 30
109194 Dup	< 0.01	< 0.1	< 0.1	1.7	< 5	< 0.7	< 0.1	< 0.1	< 30

Analyte Symbol	Ti	Tl	Tm	U	V	W	Y	Yb	Zn
Unit Symbol	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.1	0.1	0.1	5	0.7	0.1	0.1	30
Method Code	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
109202 Orig	0.59	0.1	0.4	< 0.1	296	< 0.7	23.3	2.3	100
109202 Dup	0.58	0.1	0.4	< 0.1	296	< 0.7	23.4	2.2	100
109216 Split PREP DUP	0.54	< 0.1	0.3	< 0.1	278	< 0.7	20.7	2.2	80
109216 Orig	0.54	< 0.1	0.3	< 0.1	296	1.6	20.7	2.0	80
109216 Dup	0.55	< 0.1	0.3	< 0.1	288	< 0.7	20.9	2.1	90
109224 Orig	0.58	0.3	0.4	< 0.1	285	< 0.7	22.4	2.2	90
109224 Dup	0.60	0.3	0.4	< 0.1	288	< 0.7	22.7	2.4	90
109238 Orig	1.35	< 0.1	0.8	0.2	228	1.3	47.2	4.5	130
109238 Dup	1.29	< 0.1	0.7	0.2	221	< 0.7	46.9	4.6	120
109246 Orig	0.02	6.8	< 0.1	10.7	8	< 0.7	1.0	0.1	60
109246 Dup	0.02	6.7	< 0.1	10.3	8	< 0.7	1.0	0.1	60
109260 Orig	0.99	0.2	0.5	< 0.1	316	< 0.7	28.9	3.0	90
109260 Dup	0.98	0.2	0.5	< 0.1	314	< 0.7	28.8	2.8	90
109265 Orig	0.01	27.6	< 0.1	16.1	6	< 0.7	0.3	< 0.1	40
109265 Split PREP DUP	0.01	27.6	< 0.1	16.9	< 5	< 0.7	0.3	< 0.1	40
109268 Orig	0.01	10.9	< 0.1	22.7	< 5	< 0.7	0.5	< 0.1	90
109268 Dup	0.01	10.8	< 0.1	22.3	< 5	< 0.7	0.5	< 0.1	80
109282 Orig	0.54	0.8	0.4	0.2	268	2.3	22.1	2.5	100
109282 Dup	0.58	0.8	0.4	< 0.1	284	< 0.7	23.0	2.4	100
Method Blank	< 0.01	< 0.1	< 0.1	< 0.1	< 5	< 0.7	< 0.1	< 0.1	< 30
Method Blank	< 0.01	< 0.1	< 0.1	0.2	< 5	< 0.7	< 0.1	< 0.1	< 30
Method Blank	< 0.01								
Method Blank	< 0.01								
Method Blank	< 0.01	< 0.1	< 0.1	< 0.1	< 5	< 0.7	0.1	< 0.1	< 30
Method Blank	< 0.01	< 0.1	< 0.1	< 0.1	< 5	< 0.7	< 0.1	< 0.1	< 30
Method Blank	< 0.01	< 0.1	< 0.1	< 0.1	< 5	< 0.7	< 0.1	< 0.1	< 30

Quality Analysis ... *Innovative Technologies*

Date Submitted: 22-Feb-17
Invoice No.: A17-01580
Invoice Date: 13-Mar-17
Your Reference: Mavis-Fairservice

Coast Mountain Geological
488-625 Howe Street
Vancouver BC V6C 2T6
Canada

ATTN: Mike Sieb

CERTIFICATE OF ANALYSIS

165 Core samples were submitted for analysis.

The following analytical package(s) were requested: Code UT-7 Sodium Peroxide Fusion (ICP & ICPMS)

REPORT **A17-01580**

Notes:

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

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Analyte Symbol	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	Fe	Ga	Gd	Ge	Ho	Hf	In
Unit Symbol	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	5	10	3	3	2	0.01	2	0.8	0.2	30	0.1	2	0.3	0.1	0.1	0.05	0.2	0.1	0.7	0.2	10	0.2
Method Code	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
109001	7.23	< 5	20	92	< 3	< 2	6.09	< 2	13.4	52.4	130	44.8	152	5.2	4.0	0.9	11.8	18.8	4.4	< 0.7	1.3	< 10	< 0.2
109002	8.70	< 5	180	8	724	< 2	0.35	< 2	1.4	0.6	40	126	< 2	< 0.3	< 0.1	< 0.1	0.40	84.8	0.1	4.2	< 0.2	< 10	< 0.2
109003	8.78	< 5	40	16	84	< 2	0.13	< 2	< 0.8	< 0.2	30	134	< 2	< 0.3	< 0.1	< 0.1	0.24	48.3	< 0.1	4.9	< 0.2	< 10	< 0.2
109004	8.30	< 5	20	10	72	< 2	0.14	< 2	< 0.8	< 0.2	180	174	2	< 0.3	< 0.1	< 0.1	0.22	38.7	< 0.1	5.2	< 0.2	< 10	< 0.2
109005	9.35	< 5	10	11	28	< 2	0.18	< 2	< 0.8	< 0.2	< 30	78.9	< 2	< 0.3	< 0.1	< 0.1	0.12	40.6	< 0.1	5.1	< 0.2	< 10	< 0.2
109006	7.29	< 5	120	8	50	< 2	0.27	< 2	0.8	1.6	40	81.1	< 2	< 0.3	< 0.1	< 0.1	0.31	45.4	0.1	5.9	< 0.2	< 10	< 0.2
109007	7.52	12	280	105	11	< 2	4.72	< 2	12.0	49.7	< 30	877	144	5.0	3.8	0.9	11.4	20.3	4.1	< 0.7	1.2	< 10	< 0.2
109008	7.79	< 5	680	32	152	5	1.28	< 2	3.7	11.3	40	278	63	1.3	0.9	0.3	3.08	45.9	1.1	0.7	0.3	< 10	< 0.2
109009	10.6	5	5250	74	44	< 2	6.13	< 2	7.4	25.3	< 30	310	89	2.5	1.9	0.6	5.82	37.8	2.1	< 0.7	0.6	< 10	< 0.2
109010	7.80	< 5	230	118	< 3	< 2	5.47	< 2	15.7	55.1	< 30	376	161	5.6	4.2	1.0	12.5	19.8	4.6	< 0.7	1.3	< 10	< 0.2
109011	8.57	< 5	60	50	129	< 2	0.12	< 2	< 0.8	< 0.2	150	63.6	< 2	< 0.3	< 0.1	< 0.1	0.30	59.2	< 0.1	5.1	< 0.2	< 10	< 0.2
109012	7.44	6	20	52	< 3	< 2	5.41	< 2	14.4	51.1	< 30	22.6	153	5.1	3.9	1.0	11.8	19.0	4.5	< 0.7	1.2	< 10	< 0.2
109013	7.53	< 5	10	58	4	< 2	6.71	< 2	12.3	54.5	30	205	26	5.4	4.1	1.0	12.1	19.8	4.3	< 0.7	1.3	< 10	< 0.2
109014	7.29	< 5	< 10	45	< 3	< 2	6.32	< 2	9.9	56.1	40	41.1	146	4.3	3.2	0.8	10.4	17.0	3.5	< 0.7	1.0	< 10	< 0.2
109015	7.41	< 5	< 10	34	< 3	< 2	6.42	< 2	12.5	57.5	60	6.0	160	4.6	3.3	0.8	10.5	17.5	3.8	< 0.7	1.0	< 10	< 0.2
109016	7.45	< 5	30	51	< 3	< 2	6.26	< 2	9.0	56.8	50	63.9	116	4.5	3.3	0.8	10.5	17.8	3.4	< 0.7	1.0	< 10	< 0.2
109017	8.86	< 5	500	13	291	3	0.30	< 2	1.7	1.5	< 30	82.5	3	< 0.3	< 0.1	< 0.1	0.68	61.3	0.2	7.6	< 0.2	< 10	< 0.2
109018	8.24	< 5	50	7	168	< 2	0.12	< 2	< 0.8	< 0.2	30	73.7	< 2	< 0.3	< 0.1	< 0.1	0.36	63.0	< 0.1	6.1	< 0.2	< 10	< 0.2
109019	0.04	< 5	< 10	5	< 3	< 2	37.6	< 2	< 0.8	< 0.2	< 30	< 0.1	< 2	< 0.3	< 0.1	< 0.1	< 0.05	0.4	< 0.1	< 0.7	< 0.2	< 10	< 0.2
109020	7.87	< 5	120	4	199	< 2	0.14	< 2	2.2	< 0.2	< 30	62.6	< 2	< 0.3	< 0.1	< 0.1	0.37	61.1	0.1	7.6	< 0.2	< 10	< 0.2
109021	8.44	< 5	20	< 3	128	2	0.12	< 2	< 0.8	0.7	70	58.1	< 2	< 0.3	< 0.1	< 0.1	0.42	61.6	< 0.1	4.3	< 0.2	< 10	< 0.2
109022	8.30	< 5	20	< 3	123	6	0.09	< 2	< 0.8	0.6	60	46.6	7	< 0.3	< 0.1	< 0.1	0.30	59.5	< 0.1	5.4	< 0.2	< 10	< 0.2
109023	8.70	< 5	40	< 3	159	14	0.16	< 2	< 0.8	0.7	60	39.4	3	< 0.3	< 0.1	< 0.1	0.33	60.0	< 0.1	6.5	< 0.2	< 10	< 0.2
109024	8.70	< 5	30	14	123	26	0.25	< 2	< 0.8	0.2	< 30	78.6	3	< 0.3	< 0.1	< 0.1	0.35	57.9	0.2	5.5	< 0.2	< 10	< 0.2
109025	8.71	< 5	30	3	152	< 2	0.12	< 2	< 0.8	< 0.2	60	52.2	< 2	< 0.3	< 0.1	< 0.1	0.50	70.7	< 0.1	6.5	< 0.2	< 10	< 0.2
109026	8.56	6	30	9	189	16	0.24	< 2	< 0.8	< 0.2	< 30	24.2	< 2	< 0.3	< 0.1	< 0.1	0.34	58.7	0.1	7.1	< 0.2	< 10	< 0.2
109027	8.46	< 5	20	11	139	4	0.19	< 2	< 0.8	0.2	80	60.1	< 2	< 0.3	< 0.1	< 0.1	0.49	64.6	0.1	5.7	< 0.2	< 10	< 0.2
109028	8.48	< 5	20	4	161	< 2	0.18	< 2	1.1	< 0.2	30	46.5	< 2	< 0.3	< 0.1	< 0.1	0.48	68.0	< 0.1	5.5	< 0.2	< 10	< 0.2
109029	0.03	< 5	< 10	4	< 3	< 2	37.3	< 2	< 0.8	< 0.2	< 30	< 0.1	< 2	< 0.3	< 0.1	< 0.1	< 0.05	0.5	< 0.1	< 0.7	< 0.2	< 10	< 0.2
109030	8.53	< 5	< 10	4	82	3	0.12	< 2	0.8	< 0.2	< 30	65.3	< 2	< 0.3	< 0.1	< 0.1	0.27	43.0	< 0.1	5.4	< 0.2	< 10	< 0.2
109031	8.38	5	20	< 3	189	6	0.16	< 2	< 0.8	< 0.2	60	41.2	4	< 0.3	< 0.1	< 0.1	0.55	74.8	< 0.1	3.4	< 0.2	< 10	< 0.2
109032	8.66	< 5	30	49	132	< 2	0.13	< 2	< 0.8	< 0.2	150	60.9	< 2	< 0.3	< 0.1	< 0.1	0.30	59.6	< 0.1	8.9	< 0.2	< 10	< 0.2
109033	8.34	< 5	30	8	148	6	0.16	< 2	1.4	< 0.2	< 30	71.5	< 2	1.2	0.3	< 0.1	0.38	57.5	2.3	7.5	< 0.2	< 10	< 0.2
109034	8.66	< 5	40	< 3	181	9	0.13	< 2	< 0.8	< 0.2	80	38.5	3	< 0.3	< 0.1	< 0.1	0.53	72.5	< 0.1	5.3	< 0.2	< 10	< 0.2
109035	8.21	< 5	170	4	103	< 2	0.27	< 2	1.1	0.5	< 30	25.2	6	< 0.3	< 0.1	< 0.1	0.44	50.5	< 0.1	6.0	< 0.2	< 10	< 0.2
109036	7.53	< 5	100	41	11	< 2	7.11	< 2	12.6	53.2	< 30	105	126	5.2	3.8	1.0	12.4	19.1	4.2	< 0.7	1.2	< 10	< 0.2
109037	7.33	< 5	50	26	< 3	< 2	7.08	< 2	12.2	50.4	< 30	2.8	235	4.8	3.5	0.9	12.4	18.0	4.1	< 0.7	1.1	< 10	< 0.2
109038	7.44	< 5	< 10	29	< 3	< 2	7.95	< 2	13.7	51.3	30	5.5	115	5.1	3.9	1.0	12.1	18.7	4.2	< 0.7	1.2	< 10	< 0.2
109039	7.32	< 5	10	67	< 3	< 2	8.89	< 2	9.3	53.9	160	7.4	69	3.8	2.5	0.8	8.78	18.4	3.3	< 0.7	0.8	< 10	< 0.2
109040	7.60	< 5	80	36	< 3	< 2	6.03	< 2	13.0	55.0	< 30	0.2	183	5.2	3.8	1.0	12.5	18.2	4.3	< 0.7	1.2	< 10	< 0.2
109041	7.48	< 5	< 10	74	< 3	< 2	6.28	< 2	12.4	50.2	< 30	< 0.1	147	4.9	3.7	0.9	11.4	18.6	4.1	< 0.7	1.2	< 10	< 0.2

Analyte Symbol	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	Fe	Ga	Gd	Ge	Ho	Hf	In
Unit Symbol	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	5	10	3	3	2	0.01	2	0.8	0.2	30	0.1	2	0.3	0.1	0.1	0.05	0.2	0.1	0.7	0.2	10	0.2
Method Code	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
109042	7.30	< 5	< 10	72	< 3	< 2	6.62	< 2	13.6	49.4	< 30	0.3	144	5.0	3.7	0.9	11.1	18.7	4.1	< 0.7	1.1	< 10	< 0.2
109043	7.37	< 5	< 10	68	< 3	< 2	6.63	< 2	13.4	50.8	< 30	0.5	148	5.0	3.7	0.9	11.6	19.0	4.1	< 0.7	1.2	< 10	< 0.2
109044	7.05	< 5	< 10	57	< 3	< 2	6.70	< 2	13.8	47.8	< 30	0.9	102	5.1	4.0	1.0	11.1	18.1	4.2	< 0.7	1.2	< 10	< 0.2
109045	7.63	< 5	10	29	< 3	< 2	6.73	< 2	8.6	58.2	60	2.4	60	4.4	3.2	0.8	10.4	17.8	3.6	< 0.7	1.0	< 10	< 0.2
109046	7.54	< 5	< 10	94	< 3	< 2	6.82	< 2	12.7	52.9	< 30	< 0.1	129	4.9	3.6	0.9	11.2	18.2	3.9	< 0.7	1.1	< 10	< 0.2
109047	7.69	< 5	< 10	54	< 3	< 2	7.07	< 2	14.0	51.5	< 30	< 0.1	168	5.2	3.9	1.0	11.7	22.8	4.3	< 0.7	1.2	< 10	< 0.2
109048	7.30	< 5	< 10	56	3	< 2	8.93	< 2	13.3	49.0	< 30	15.2	82	4.9	3.7	0.9	11.3	21.1	4.1	< 0.7	1.1	< 10	< 0.2
109049	8.78	< 5	30	49	127	< 2	0.16	< 2	< 0.8	0.3	170	60.3	< 2	< 0.3	< 0.1	< 0.1	0.31	59.1	< 0.1	6.1	< 0.2	< 10	< 0.2
109050	7.11	< 5	< 10	78	< 3	< 2	8.63	< 2	13.1	49.6	< 30	7.7	121	4.8	3.6	0.9	11.1	19.4	4.0	< 0.7	1.1	< 10	< 0.2
109051	8.58	6	220	61	150	26	3.05	< 2	3.6	13.3	< 30	13.4	23	1.4	1.0	0.2	3.11	47.5	1.1	2.4	0.3	< 10	< 0.2
109052	7.36	< 5	< 10	66	< 3	< 2	7.38	< 2	12.3	50.8	< 30	2.8	143	4.8	3.5	0.9	11.1	18.7	3.8	< 0.7	1.1	< 10	< 0.2
109053	7.23	< 5	20	184	3	< 2	6.18	< 2	25.4	49.6	40	74.0	181	4.3	3.1	1.1	9.75	18.1	4.2	< 0.7	1.0	< 10	< 0.2
109054	7.44	< 5	480	59	15	< 2	6.08	< 2	9.2	52.4	120	140	165	4.0	3.1	0.7	10.0	20.8	3.3	< 0.7	0.9	< 10	< 0.2
109055	7.43	< 5	1240	77	32	< 2	6.52	< 2	9.4	53.6	40	372	49	4.2	3.1	0.8	10.5	21.2	3.3	< 0.7	1.0	< 10	< 0.2
109056	9.88	< 5	> 10000	16	25	< 2	3.49	< 2	5.7	36.3	40	22.1	11	1.7	1.3	0.4	6.83	36.1	1.5	< 0.7	0.4	< 10	< 0.2
109057	8.28	< 5	6840	53	69	< 2	6.54	< 2	10.7	56.2	< 30	327	44	5.2	4.5	0.8	12.2	39.3	3.8	4.2	1.3	< 10	< 0.2
109058	5.72	< 5	2810	33	11	< 2	3.89	< 2	5.1	39.7	< 30	321	83	3.2	2.9	0.4	8.89	16.3	2.2	< 0.7	0.8	< 10	< 0.2
109059	5.23	< 5	6470	48	21	3	2.17	< 2	2.6	23.4	< 30	884	31	1.6	1.4	0.2	5.17	27.1	1.0	< 0.7	0.4	< 10	< 0.2
109060	5.47	< 5	2000	61	14	< 2	3.39	< 2	5.0	48.8	< 30	1170	442	2.9	2.5	0.5	9.97	14.3	2.0	< 0.7	0.7	< 10	< 0.2
109061	8.14	< 5	1310	21	114	9	0.90	< 2	1.5	6.9	< 30	242	13	0.6	0.5	< 0.1	2.00	45.5	0.4	4.1	< 0.2	< 10	< 0.2
109062	7.32	< 5	1800	184	21	3	4.40	< 2	25.4	52.9	40	756	199	4.8	3.2	1.1	12.3	21.1	4.6	< 0.7	1.0	< 10	< 0.2
109063	8.47	< 5	1130	37	60	< 2	5.63	< 2	8.2	27.8	40	356	23	2.3	1.5	0.6	5.40	39.1	2.4	4.0	0.5	< 10	< 0.2
109064	7.24	< 5	250	6	80	7	0.26	< 2	< 0.8	< 0.2	< 30	67.9	< 2	< 0.3	< 0.1	< 0.1	0.38	44.3	< 0.1	5.4	< 0.2	< 10	< 0.2
109065	8.46	< 5	80	4	169	7	0.19	< 2	< 0.8	< 0.2	< 30	82.6	< 2	< 0.3	< 0.1	< 0.1	0.39	68.0	< 0.1	5.0	< 0.2	< 10	< 0.2
109066	0.06	< 5	20	4	< 3	< 2	37.7	< 2	< 0.8	0.4	< 30	0.1	< 2	< 0.3	< 0.1	< 0.1	< 0.05	0.3	< 0.1	< 0.7	< 0.2	< 10	< 0.2
109067	7.67	6	60	< 3	109	< 2	0.18	< 2	< 0.8	< 0.2	< 30	80.2	< 2	< 0.3	< 0.1	< 0.1	0.30	60.7	< 0.1	5.2	< 0.2	< 10	< 0.2
109068	8.82	< 5	40	46	127	< 2	0.17	< 2	< 0.8	< 0.2	150	58.5	< 2	< 0.3	< 0.1	< 0.1	0.31	56.7	< 0.1	7.1	< 0.2	< 10	< 0.2
109069	8.69	< 5	20	< 3	163	< 2	0.48	< 2	1.3	0.7	< 30	36.1	< 2	< 0.3	< 0.1	< 0.1	0.31	48.7	< 0.1	6.6	< 0.2	< 10	< 0.2
109070	8.87	< 5	100	5	174	< 2	0.34	< 2	2.1	< 0.2	30	31.8	5	< 0.3	< 0.1	< 0.1	0.34	55.8	0.4	7.2	< 0.2	< 10	< 0.2
109071	7.35	< 5	< 10	37	4	< 2	6.57	< 2	17.0	48.8	70	252	163	5.2	3.2	1.3	12.3	22.6	5.1	< 0.7	1.1	< 10	< 0.2
109072	7.36	< 5	< 10	40	< 3	< 2	6.72	< 2	20.3	52.3	80	4.3	119	5.3	3.3	1.4	12.2	23.8	5.3	< 0.7	1.1	< 10	< 0.2
109073	7.18	< 5	< 10	46	< 3	< 2	6.70	< 2	17.6	45.2	40	3.1	110	5.4	3.5	1.4	12.3	22.6	5.4	< 0.7	1.2	< 10	< 0.2
109074	7.35	< 5	40	50	< 3	< 2	5.18	< 2	18.8	53.3	50	20.8	143	5.6	3.7	1.4	12.7	24.1	5.6	< 0.7	1.2	< 10	< 0.2
109075	7.32	< 5	< 10	68	< 3	< 2	6.14	< 2	20.1	54.2	40	47.8	114	5.9	3.7	1.5	11.7	23.8	5.8	< 0.7	1.2	< 10	< 0.2
109076	7.50	< 5	380	119	5	< 2	4.88	< 2	17.6	46.2	40	174	172	5.5	4.0	1.2	12.5	20.7	4.8	< 0.7	1.3	< 10	< 0.2
109077	7.67	18	680	32	154	< 2	1.25	< 2	3.1	3.9	< 30	30.8	15	0.6	0.4	0.2	1.37	39.1	0.6	5.6	< 0.2	< 10	< 0.2
109078	8.16	11	650	32	131	7	0.37	< 2	2.5	< 0.2	< 30	129	< 2	0.5	0.2	< 0.1	0.63	46.8	0.4	3.6	< 0.2	< 10	< 0.2
109079	7.66	6	1160	19	51	15	0.37	< 2	3.8	< 0.2	< 30	123	< 2	0.8	0.3	< 0.1	0.74	44.4	0.8	4.2	< 0.2	< 10	< 0.2
109080	7.36	< 5	890	27	64	13	0.30	< 2	3.4	0.4	< 30	117	< 2	0.5	0.2	< 0.1	0.68	41.8	0.5	3.5	< 0.2	< 10	< 0.2
109081	7.84	< 5	470	14	73	7	0.43	< 2	3.1	0.9	< 30	49.7	< 2	0.4	0.2	< 0.1	0.57	43.3	0.5	4.4	< 0.2	< 10	< 0.2
109082	7.73	< 5	600	8	285	25	0.86	< 2	3.1	6.8	< 30	33.4	< 2	0.5	0.3	0.1	1.31	48.5	0.5	3.2	< 0.2	< 10	< 0.2

Analyte Symbol	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	Fe	Ga	Gd	Ge	Ho	Hf	In
Unit Symbol	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	5	10	3	3	2	0.01	2	0.8	0.2	30	0.1	2	0.3	0.1	0.1	0.05	0.2	0.1	0.7	0.2	10	0.2
Method Code	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
109083	6.55	< 5	< 10	76	5	< 2	4.91	< 2	16.3	51.2	< 30	148	25	4.9	4.0	0.9	12.5	15.4	3.9	< 0.7	1.2	< 10	< 0.2
109084	6.29	< 5	< 10	42	< 3	< 2	5.70	< 2	16.2	47.5	< 30	19.0	118	4.6	3.9	0.9	13.1	15.0	3.8	< 0.7	1.1	< 10	< 0.2
109085	6.39	< 5	70	200	< 3	< 2	5.76	< 2	22.7	40.2	< 30	23.5	116	6.4	4.8	1.4	13.4	18.6	6.0	< 0.7	1.5	< 10	< 0.2
109086	0.06	< 5	< 10	4	< 3	< 2	38.6	< 2	< 0.8	3.0	< 30	< 0.1	< 2	< 0.3	< 0.1	< 0.1	0.07	< 0.2	< 0.1	< 0.7	< 0.2	< 10	< 0.2
109087	6.05	< 5	30	68	< 3	< 2	5.39	< 2	41.8	18.8	< 30	8.1	59	12.5	7.6	3.1	15.3	28.6	13.2	< 0.7	2.7	< 10	0.2
109088	5.66	< 5	80	423	3	< 2	6.56	< 2	50.5	26.6	< 30	116	71	14.7	8.8	3.5	13.7	30.7	16.8	< 0.7	3.0	< 10	< 0.2
109089	7.35	< 5	480	68	121	< 2	2.26	< 2	16.3	7.3	40	59.9	30	4.0	2.4	1.0	3.94	51.4	4.9	3.9	0.8	< 10	< 0.2
109090	5.96	< 5	50	344	7	< 2	5.85	< 2	49.6	22.5	< 30	145	82	14.4	8.5	3.5	13.9	29.7	16.5	< 0.7	2.9	< 10	< 0.2
109091	6.95	< 5	30	35	< 3	< 2	5.40	< 2	10.7	56.7	90	8.7	100	4.1	2.8	0.8	10.2	17.0	3.8	< 0.7	0.9	< 10	< 0.2
109092	8.23	< 5	70	54	126	< 2	0.18	< 2	< 0.8	0.9	210	69.0	6	< 0.3	< 0.1	< 0.1	0.35	61.6	< 0.1	7.7	< 0.2	< 10	< 0.2
109093	7.38	< 5	40	51	< 3	< 2	9.36	< 2	14.8	69.1	90	12.5	168	4.5	3.2	1.0	10.2	19.0	4.6	< 0.7	1.0	< 10	< 0.2
109094	6.88	< 5	20	214	< 3	< 2	6.15	< 2	34.5	54.8	< 30	7.9	836	10.8	6.8	2.6	13.9	26.3	11.1	< 0.7	2.2	< 10	< 0.2
109095	7.28	< 5	40	354	< 3	< 2	7.08	< 2	147	91.7	350	291	60	4.9	2.3	2.9	9.43	20.5	9.0	< 0.7	0.9	< 10	< 0.2
109096	7.37	< 5	20	468	7	< 2	6.49	< 2	14.0	77.8	150	478	82	4.5	2.8	1.1	11.9	22.6	4.6	< 0.7	0.9	< 10	< 0.2
109097	10.2	< 5	1380	58	73	< 2	0.95	< 2	4.3	9.1	< 30	152	5	0.6	0.3	0.2	1.13	97.2	0.6	4.6	< 0.2	< 10	< 0.2
109098	0.07	< 5	20	6	< 3	< 2	39.5	< 2	1.6	22.6	30	3.4	2	< 0.3	< 0.1	< 0.1	< 0.05	0.5	< 0.1	< 0.7	< 0.2	< 10	< 0.2
109099	8.02	< 5	2400	425	22	< 2	5.74	< 2	38.9	61.0	120	718	63	4.0	2.4	1.4	9.08	52.1	5.0	< 0.7	0.8	< 10	< 0.2
109100	6.71	< 5	130	28	3	< 2	6.79	< 2	13.7	75.2	120	44.5	133	4.3	2.9	1.1	11.3	22.2	4.6	< 0.7	0.9	< 10	< 0.2
109101	7.47	< 5	20	53	< 3	< 2	6.87	< 2	17.0	76.5	100	3.8	154	5.4	3.5	1.3	12.6	23.0	5.6	< 0.7	1.1	< 10	< 0.2
109102	8.20	< 5	60	79	130	< 2	0.18	< 2	< 0.8	0.3	150	67.8	4	< 0.3	< 0.1	< 0.1	0.33	62.6	< 0.1	6.4	< 0.2	< 10	< 0.2
109103	7.59	< 5	20	36	< 3	< 2	7.22	< 2	16.8	81.2	110	1.2	139	5.2	3.4	1.4	12.8	23.3	5.2	< 0.7	1.0	< 10	< 0.2
109104	7.40	< 5	30	27	< 3	< 2	7.04	< 2	16.3	137	230	69.9	136	4.9	3.2	1.3	12.5	21.9	5.9	< 0.7	1.1	< 10	< 0.2
109105	7.15	< 5	20	50	4	< 2	6.50	< 2	15.5	82.9	120	251	94	4.7	3.1	1.2	12.4	21.5	5.2	< 0.7	1.0	< 10	< 0.2
109106	6.43	< 5	820	37	155	28	3.94	< 2	7.4	186	420	181	128	2.0	1.2	0.5	4.84	33.1	2.4	< 0.7	0.4	< 10	< 0.2
109107	7.31	< 5	60	41	11	8	6.67	< 2	14.0	92.6	130	211	119	4.7	2.9	1.2	12.2	24.2	5.3	< 0.7	0.9	< 10	< 0.2
109108	7.51	< 5	30	37	< 3	< 2	7.47	< 2	15.3	91.3	160	74.2	115	4.6	3.1	1.2	12.7	22.2	4.9	< 0.7	0.9	< 10	< 0.2
109109	7.82	< 5	40	37	< 3	< 2	6.96	< 2	14.1	68.2	100	75.7	84	4.5	2.9	1.1	12.1	20.2	4.7	< 0.7	0.9	< 10	< 0.2
109110	8.32	< 5	110	22	159	< 2	0.36	< 2	< 0.8	15.3	60	70.5	8	< 0.3	< 0.1	< 0.1	0.54	56.6	0.2	6.9	< 0.2	< 10	< 0.2
109111	8.12	< 5	60	37	116	< 2	0.19	< 2	< 0.8	10.5	40	48.9	3	< 0.3	< 0.1	< 0.1	0.41	58.4	< 0.1	6.3	< 0.2	< 10	< 0.2
109112	0.12	< 5	< 10	5	< 3	< 2	39.3	< 2	< 0.8	24.8	90	0.2	9	< 0.3	< 0.1	< 0.1	0.05	0.5	0.7	< 0.7	< 0.2	< 10	< 0.2
109113	8.98	< 5	10	< 3	110	< 2	0.59	< 2	< 0.8	5.9	< 30	6.9	< 2	< 0.3	< 0.1	< 0.1	0.17	43.9	< 0.1	6.8	< 0.2	< 10	< 0.2
109114	9.03	< 5	40	7	114	11	0.24	< 2	< 0.8	4.0	< 30	101	< 2	< 0.3	< 0.1	< 0.1	0.34	58.2	< 0.1	5.2	< 0.2	< 10	< 0.2
109115	8.71	< 5	30	< 3	147	3	0.32	< 2	< 0.8	1.9	< 30	29.9	< 2	< 0.3	< 0.1	< 0.1	0.36	56.6	< 0.1	5.2	< 0.2	< 10	< 0.2
109116	9.06	< 5	1640	7	313	2	0.26	< 2	< 0.8	4.5	40	82.0	< 2	< 0.3	< 0.1	< 0.1	0.86	61.8	< 0.1	3.9	< 0.2	< 10	< 0.2
109117	8.55	< 5	280	9	196	5	0.16	< 2	< 0.8	0.8	< 30	82.1	< 2	< 0.3	< 0.1	< 0.1	0.48	48.7	< 0.1	4.3	< 0.2	< 10	< 0.2
109118	8.61	< 5	690	11	290	< 2	0.48	< 2	< 0.8	2.2	< 30	72.7	< 2	< 0.3	< 0.1	< 0.1	0.66	53.9	0.2	4.4	< 0.2	< 10	< 0.2
109119	8.87	< 5	30	31	6	< 2	9.25	< 2	10.9	69.3	100	13.2	111	4.1	2.7	0.9	10.1	18.7	4.0	< 0.7	0.8	< 10	< 0.2
109120	8.44	< 5	40	48	< 3	< 2	9.80	< 2	11.0	66.8	130	1.1	126	4.1	2.7	0.9	10.1	17.3	3.8	< 0.7	0.9	< 10	< 0.2
109121	8.19	9	30	41	< 3	< 2	9.74	< 2	11.1	61.2	100	1.4	135	4.0	2.8	0.9	9.91	17.2	3.8	< 0.7	0.8	< 10	< 0.2
109122	8.28	< 5	50	31	8	2	9.86	< 2	10.8	60.0	90	10.1	114	3.9	2.7	0.9	9.74	18.7	3.6	< 0.7	0.8	< 10	< 0.2
109123	7.69	< 5	390	17	340	2	1.05	3	1.0	5.9	< 30	46.9	46	< 0.3	0.2	0.1	1.34	38.8	0.3	3.0	< 0.2	< 10	< 0.2

Analyte Symbol	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	Fe	Ga	Gd	Ge	Ho	Hf	In
Unit Symbol	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	5	10	3	3	2	0.01	2	0.8	0.2	30	0.1	2	0.3	0.1	0.1	0.05	0.2	0.1	0.7	0.2	10	0.2
Method Code	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
109124	8.24	< 5	80	26	10	< 2	10.5	< 2	10.2	63.0	90	8.8	97	3.9	2.5	0.8	10.0	18.3	3.6	< 0.7	0.8	< 10	< 0.2
109125	7.78	< 5	20	24	< 3	< 2	12.7	< 2	10.1	56.1	80	1.4	114	3.7	2.5	0.8	8.68	19.5	3.5	< 0.7	0.8	< 10	< 0.2
109126	8.52	< 5	20	56	< 3	< 2	10.1	< 2	10.4	74.9	120	0.4	141	3.8	2.6	0.8	10.2	17.1	3.5	< 0.7	0.8	< 10	< 0.2
109127	8.21	9	20	42	< 3	< 2	8.80	< 2	10.5	60.9	90	2.9	103	3.9	2.8	0.8	9.85	17.3	3.7	< 0.7	0.8	< 10	< 0.2
109128	7.95	< 5	20	80	< 3	< 2	6.55	< 2	17.7	55.2	90	8.1	179	5.5	3.2	1.3	13.0	18.6	6.0	< 0.7	1.1	< 10	< 0.2
109129	9.00	30	40	45	126	< 2	0.21	< 2	< 0.8	0.4	130	58.2	8	< 0.3	< 0.1	< 0.1	0.33	57.5	< 0.1	6.1	< 0.2	< 10	< 0.2
109130	7.53	< 5	< 10	56	< 3	< 2	7.22	< 2	16.9	50.5	40	34.4	164	5.2	3.2	1.4	12.5	23.0	5.4	< 0.7	1.1	< 10	< 0.2
109131	8.09	< 5	1090	16	155	43	0.54	< 2	< 0.8	1.8	< 30	47.4	15	< 0.3	< 0.1	< 0.1	0.71	48.3	0.1	3.8	< 0.2	< 10	< 0.2
109132	7.25	< 5	40	81	4	< 2	6.53	< 2	16.1	51.9	100	38.3	126	4.9	3.0	1.3	12.1	23.9	5.3	< 0.7	1.0	< 10	< 0.2
109133	7.73	< 5	< 10	45	< 3	< 2	6.33	< 2	15.5	54.2	70	47.7	129	5.2	3.2	1.3	12.7	23.8	5.2	< 0.7	1.0	< 10	< 0.2
109134	7.32	< 5	740	27	209	10	0.62	< 2	2.5	4.9	< 30	53.5	12	0.5	0.2	0.1	1.27	46.9	0.4	4.2	< 0.2	< 10	< 0.2
109135	7.56	< 5	1590	18	91	20	0.29	< 2	3.7	5.9	< 30	39.9	< 2	0.6	0.2	< 0.1	0.79	42.9	0.4	4.4	< 0.2	< 10	< 0.2
109136	7.89	< 5	840	19	331	21	0.42	< 2	1.6	1.1	< 30	47.3	< 2	0.3	< 0.1	< 0.1	0.62	47.6	0.2	5.1	< 0.2	< 10	< 0.2
109137	7.72	< 5	20	69	11	< 2	6.06	< 2	14.8	50.4	80	72.6	111	5.1	3.0	1.2	12.1	23.9	5.3	< 0.7	1.0	< 10	< 0.2
109138	0.14	< 5	< 10	5	< 3	< 2	39.3	< 2	< 0.8	3.6	< 30	0.2	2	< 0.3	< 0.1	< 0.1	0.10	0.4	< 0.1	< 0.7	< 0.2	< 10	< 0.2
109139	7.67	< 5	< 10	48	< 3	< 2	7.67	< 2	17.4	52.9	70	0.8	129	5.5	3.3	1.4	12.4	21.4	5.7	< 0.7	1.1	< 10	< 0.2
109140	7.77	< 5	< 10	159	< 3	< 2	6.16	< 2	13.8	52.6	60	14.3	91	5.0	3.0	1.2	12.6	20.7	5.2	< 0.7	1.0	< 10	< 0.2
109141	7.79	< 5	< 10	155	4	< 2	6.51	< 2	15.5	52.3	60	87.5	125	5.1	3.1	1.2	13.1	23.1	5.3	< 0.7	1.0	< 10	< 0.2
109142	7.36	9	1540	31	53	< 2	0.61	< 2	3.0	3.5	< 30	10.0	17	0.5	0.3	< 0.1	0.96	36.4	0.5	3.5	< 0.2	< 10	< 0.2
109143	8.48	6	940	77	4	< 2	6.55	< 2	18.0	54.6	70	54.2	111	5.6	3.5	1.3	13.2	24.3	5.9	< 0.7	1.1	< 10	< 0.2
109144	7.53	< 5	3180	43	6	< 2	5.14	< 2	12.3	57.8	90	165	348	4.0	2.6	0.8	12.2	16.0	3.7	< 0.7	0.8	< 10	< 0.2
109145	7.42	< 5	2340	16	118	26	1.00	< 2	3.2	7.5	< 30	35.0	30	0.6	0.3	0.2	1.56	40.0	0.6	2.9	< 0.2	< 10	< 0.2
109146	7.53	< 5	790	141	8	< 2	4.01	< 2	9.3	45.7	100	369	253	3.7	2.5	0.7	11.4	17.9	3.3	< 0.7	0.8	< 10	< 0.2
109147	7.43	< 5	90	68	< 3	< 2	7.37	< 2	15.9	55.2	70	11.3	98	4.8	3.1	1.2	11.9	22.0	5.0	< 0.7	1.0	< 10	< 0.2
109148	7.95	< 5	380	142	< 3	< 2	3.60	< 2	7.4	74.2	200	107	136	3.7	2.7	0.6	10.1	17.5	3.3	< 0.7	0.8	< 10	< 0.2
109149	8.67	< 5	1650	267	< 3	< 2	3.70	< 2	7.2	49.4	190	188	68	3.7	2.7	0.7	10.0	17.5	3.4	< 0.7	0.8	< 10	< 0.2
109150	9.08	< 5	80	41	122	< 2	0.20	< 2	< 0.8	< 0.2	120	55.6	< 2	< 0.3	< 0.1	< 0.1	0.32	55.7	< 0.1	7.1	< 0.2	< 10	< 0.2
109151	8.02	< 5	> 10000	25	5	< 2	3.92	5	6.9	60.1	170	37.4	196	3.8	2.6	0.7	10.00	20.4	3.4	< 0.7	0.8	< 10	< 0.2
109152	8.60	< 5	1610	8	109	3	0.54	< 2	1.3	3.9	< 30	19.4	3	0.4	0.2	0.1	0.91	42.6	0.4	3.9	< 0.2	< 10	< 0.2
109153	8.55	6	190	4	101	< 2	0.38	< 2	1.6	1.5	< 30	6.9	5	< 0.3	< 0.1	< 0.1	0.33	43.4	0.1	4.7	< 0.2	< 10	< 0.2
109154	0.20	< 5	20	11	< 3	< 2	38.9	< 2	< 0.8	0.5	< 30	0.1	< 2	< 0.3	< 0.1	< 0.1	< 0.05	0.7	< 0.1	< 0.7	< 0.2	< 10	< 0.2
109155	8.24	< 5	20	88	9	2	9.89	< 2	10.4	45.9	150	46.6	98	3.5	2.5	0.7	9.13	18.9	3.2	< 0.7	0.8	< 10	< 0.2
109156	8.88	< 5	30	79	< 3	< 2	8.45	< 2	11.2	49.4	180	4.6	108	3.6	2.6	0.8	9.71	17.3	3.6	< 0.7	0.8	< 10	< 0.2
109157	8.83	< 5	10	33	< 3	< 2	9.30	< 2	11.3	49.0	180	7.5	104	3.7	2.5	0.8	9.71	17.2	3.3	< 0.7	0.8	< 10	< 0.2
109158	8.13	< 5	< 10	60	< 3	< 2	6.67	< 2	14.9	54.3	60	12.6	136	4.7	2.9	1.1	12.2	21.9	5.1	< 0.7	0.9	< 10	< 0.2
109159	8.18	< 5	< 10	58	5	< 2	6.65	< 2	14.0	53.9	70	114	100	4.4	2.5	1.1	12.3	23.6	4.6	< 0.7	0.9	< 10	< 0.2
109160	8.27	< 5	1240	21	384	7	1.17	< 2	4.6	6.0	< 30	37.5	16	0.8	0.4	0.1	1.49	35.3	0.8	2.7	< 0.2	< 10	< 0.2
109161	8.14	< 5	1930	91	28	50	6.41	< 2	14.7	51.4	120	146	103	4.6	2.7	1.1	11.6	27.5	4.8	< 0.7	0.9	< 10	< 0.2
109162	8.49	32	300	42	11	< 2	7.88	< 2	16.2	55.0	50	10.3	121	4.9	3.0	1.2	13.4	23.9	5.5	< 0.7	1.0	< 10	< 0.2
109163	7.21	< 5	1530	45	68	29	2.22	< 2	5.0	16.0	< 30	68.9	59	1.4	0.8	0.3	3.59	31.1	1.5	1.9	0.3	< 10	< 0.2
109164	7.97	< 5	1080	90	29	< 2	6.66	< 2	13.0	48.0	40	81.9	128	4.1	2.4	1.0	11.2	24.6	4.2	< 0.7	0.8	< 10	< 0.2

Analyte Symbol	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	Fe	Ga	Gd	Ge	Ho	Hf	In
Unit Symbol	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	5	10	3	3	2	0.01	2	0.8	0.2	30	0.1	2	0.3	0.1	0.1	0.05	0.2	0.1	0.7	0.2	10	0.2
Method Code	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
109165	8.73	< 5	30	48	< 3	< 2	7.67	< 2	16.5	53.0	40	2.4	136	5.0	3.0	1.2	12.9	22.5	5.3	< 0.7	1.0	< 10	< 0.2

Analyte Symbol	K	La	Li	Mg	Mn	Mo	Nb	Nd	Ni	Pb	Pr	Rb	S	Sb	Se	Si	Sm	Sn	Sr	Ta	Tb	Te	Th
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	0.4	3	0.01	3	1	2.4	0.4	10	0.8	0.1	0.4	0.01	2	0.8	0.01	0.1	0.5	3	0.2	0.1	6	0.1
Method Code	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
109001	0.3	5.3	1360	3.46	1750	< 1	3.5	9.6	60	4.3	1.9	148	0.20	< 2	5.1	23.6	2.7	3.2	195	< 0.2	0.8	< 6	0.5
109002	1.8	0.4	168	0.05	224	83	174.5	0.7	< 10	7.5	0.2	2750	< 0.01	< 2	< 0.8	> 30.0	0.2	159	19	156	< 0.1	< 6	1.9
109003	5.0	< 0.4	4240	0.04	285	< 1	46.2	< 0.4	< 10	7.1	< 0.1	4910	< 0.01	< 2	< 0.8	> 30.0	0.2	91.2	15	41.2	< 0.1	< 6	0.9
109004	5.7	< 0.4	2950	0.02	139	6	44.5	< 0.4	< 10	9.4	< 0.1	> 5000	< 0.01	< 2	< 0.8	> 30.0	0.1	37.8	17	42.4	< 0.1	< 6	0.7
109005	2.9	< 0.4	57	< 0.01	63	< 1	27.2	< 0.4	10	2.3	< 0.1	3030	< 0.01	< 2	< 0.8	> 30.0	< 0.1	15.2	23	32.1	< 0.1	< 6	0.3
109006	2.2	< 0.4	84	0.01	122	1	69.7	0.4	10	1.0	0.1	2410	< 0.01	< 2	0.9	> 30.0	0.2	94.3	23	102	< 0.1	< 6	1.8
109007	2.0	4.4	1420	3.02	2090	< 1	3.8	8.4	60	20.1	1.7	3190	0.20	< 2	3.6	23.4	2.5	34.5	91	0.5	0.8	< 6	0.6
109008	0.7	1.3	380	0.70	994	17	56.3	2.9	10	3.5	0.6	1050	0.11	< 2	1.2	> 30.0	0.8	35.2	57	36.0	0.2	< 6	1.8
109009	0.7	4.9	441	1.48	1800	2	13.5	4.9	20	8.6	0.9	943	0.12	< 2	2.2	22.7	1.3	38.9	292	11.1	0.4	< 6	0.9
109010	1.0	6.4	2130	3.44	2050	< 1	2.8	10.5	30	< 0.8	2.3	964	0.10	< 2	1.8	22.7	2.9	1.4	125	< 0.2	0.9	< 6	0.5
109011	1.9	< 0.4	6630	0.02	359	6	96.1	< 0.4	10	< 0.8	< 0.1	1680	< 0.01	< 2	2.0	> 30.0	< 0.1	130	23	134	< 0.1	< 6	2.1
109012	0.3	5.7	2770	3.13	1940	< 1	3.3	9.6	30	< 0.8	2.0	63.8	0.09	< 2	< 0.8	24.0	2.8	1.0	137	< 0.2	0.8	< 6	0.4
109013	0.8	5.7	1470	3.71	2120	< 1	4.6	9.1	40	28.6	1.8	840	0.03	< 2	1.2	22.7	2.6	8.5	155	< 0.2	0.9	< 6	0.7
109014	0.3	4.8	1290	4.58	1940	< 1	2.5	7.1	60	< 0.8	1.4	96.5	0.12	< 2	1.4	24.6	2.2	0.5	64	< 0.2	0.7	< 6	0.4
109015	0.3	5.9	2490	4.58	1920	< 1	< 2.4	8.1	80	< 0.8	1.7	37.9	0.14	< 2	2.3	23.9	2.3	< 0.5	62	< 0.2	0.7	< 6	0.2
109016	0.9	3.5	2460	4.55	2110	< 1	< 2.4	6.5	60	< 0.8	1.3	281	0.07	< 2	7.4	23.5	2.1	3.2	49	< 0.2	0.7	< 6	0.2
109017	1.2	0.6	200	0.12	457	< 1	54.6	1.3	< 10	< 0.8	0.3	1230	0.01	< 2	< 0.8	29.9	0.2	77.8	13	71.3	< 0.1	< 6	2.7
109018	2.3	< 0.4	9610	0.02	745	56	55.7	< 0.4	< 10	< 0.8	< 0.1	1700	< 0.01	< 2	1.2	> 30.0	< 0.1	216	8	26.9	< 0.1	< 6	1.5
109019	< 0.1	< 0.4	3	1.50	23	< 1	3.7	< 0.4	< 10	< 0.8	< 0.1	0.6	0.07	< 2	10.7	0.22	< 0.1	< 0.5	3410	< 0.2	< 0.1	< 6	< 0.1
109020	1.6	1.4	4090	0.02	955	11	75.9	1.9	< 10	< 0.8	0.3	1360	< 0.01	< 2	2.5	> 30.0	0.3	161	7	39.1	< 0.1	< 6	4.4
109021	2.0	< 0.4	7460	0.02	790	1	70.5	< 0.4	< 10	< 0.8	< 0.1	1450	< 0.01	< 2	1.8	> 30.0	< 0.1	92.2	10	37.2	< 0.1	< 6	2.7
109022	1.9	< 0.4	5970	0.01	988	2	48.7	< 0.4	20	1.6	< 0.1	1430	0.01	< 2	< 0.8	> 30.0	< 0.1	102	10	32.9	< 0.1	< 6	2.5
109023	1.2	< 0.4	4570	< 0.01	1230	2	84.3	< 0.4	20	15.0	< 0.1	927	0.01	< 2	< 0.8	> 30.0	< 0.1	144	12	40.7	< 0.1	< 6	3.6
109024	3.7	< 0.4	4970	0.01	654	2	57.9	< 0.4	10	3.4	< 0.1	2830	< 0.01	< 2	1.0	> 30.0	0.1	87.2	26	22.3	< 0.1	< 6	1.7
109025	1.8	< 0.4	8710	< 0.01	1120	4	70.8	< 0.4	20	3.3	< 0.1	1220	< 0.01	< 2	< 0.8	> 30.0	< 0.1	135	8	36.2	< 0.1	< 6	1.5
109026	0.6	< 0.4	1500	< 0.01	1290	< 1	106.1	< 0.4	10	29.2	< 0.1	508	< 0.01	< 2	11.6	> 30.0	0.1	78.6	16	38.4	< 0.1	< 6	2.5
109027	2.7	< 0.4	6720	< 0.01	1460	5	76.0	< 0.4	10	1.6	< 0.1	1850	< 0.01	< 2	< 0.8	> 30.0	0.1	120	15	30.2	< 0.1	< 6	1.4
109028	1.7	1.2	8970	0.01	1270	12	79.3	0.6	10	2.3	< 0.1	1050	< 0.01	< 2	0.9	> 30.0	0.1	149	11	38.6	< 0.1	< 6	3.3
109029	< 0.1	< 0.4	3	1.77	28	< 1	< 2.4	< 0.4	< 10	< 0.8	< 0.1	< 0.4	0.11	< 2	< 0.8	0.12	< 0.1	< 0.5	3810	< 0.2	< 0.1	< 6	< 0.1
109030	3.7	4.6	2220	< 0.01	574	< 1	35.0	0.9	40	6.2	< 0.1	2430	< 0.01	< 2	0.9	29.8	< 0.1	49.5	11	21.4	< 0.1	< 6	1.7
109031	1.3	< 0.4	> 10000	0.01	954	3	89.4	< 0.4	10	< 0.8	< 0.1	743	< 0.01	< 2	11.7	> 30.0	< 0.1	129	9	27.1	< 0.1	< 6	1.1
109032	1.9	< 0.4	6760	0.01	362	7	59.6	< 0.4	20	3.3	< 0.1	1690	< 0.01	< 2	< 0.8	> 30.0	< 0.1	128	22	110	< 0.1	< 6	1.9
109033	3.6	12.1	7360	< 0.01	733	1	65.9	16.2	< 10	5.3	1.6	2300	< 0.01	< 2	8.2	> 30.0	3.8	83.5	14	20.6	0.1	< 6	1.2
109034	1.1	0.5	6930	0.01	1140	2	114.9	< 0.4	10	< 0.8	< 0.1	776	0.01	< 2	< 0.8	29.9	< 0.1	139	9	53.1	< 0.1	< 6	1.4
109035	0.6	1.4	241	0.03	899	< 1	70.9	0.7	< 10	< 0.8	< 0.1	508	0.01	< 2	1.0	> 30.0	0.1	98.9	15	44.7	< 0.1	< 6	3.1
109036	0.5	4.5	792	2.88	2610	< 1	4.0	9.3	30	< 0.8	1.9	294	0.10	< 2	2.7	23.2	2.6	7.8	49	0.3	0.9	< 6	0.5
109037	0.3	4.5	370	2.76	2010	< 1	2.8	8.8	30	< 0.8	1.8	26.7	0.25	< 2	< 0.8	23.9	2.6	1.2	39	< 0.2	0.8	< 6	0.4
109038	0.2	5.2	267	2.78	2210	< 1	2.8	9.6	40	< 0.8	2.0	21.1	0.07	< 2	2.1	23.8	2.6	1.5	44	< 0.2	0.8	< 6	0.5
109039	0.2	4.5	127	3.65	1900	< 1	6.7	7.3	80	2.6	1.4	66.1	0.02	< 2	< 0.8	24.2	1.9	19.4	77	0.9	0.6	< 6	0.3
109040	0.1	4.9	249	3.03	2140	< 1	< 2.4	9.1	30	< 0.8	1.9	4.8	0.22	< 2	2.8	23.2	2.7	0.8	55	< 0.2	0.8	< 6	0.4
109041	0.2	7.7	288	3.00	1820	< 1	2.4	8.6	30	< 0.8	1.8	3.4	0.07	< 2	1.4	24.5	2.4	< 0.5	134	< 0.2	0.8	< 6	0.4

Analyte Symbol	K	La	Li	Mg	Mn	Mo	Nb	Nd	Ni	Pb	Pr	Rb	S	Sb	Se	Si	Sm	Sn	Sr	Ta	Tb	Te	Th
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	0.4	3	0.01	3	1	2.4	0.4	10	0.8	0.1	0.4	0.01	2	0.8	0.01	0.1	0.5	3	0.2	0.1	6	0.1
Method Code	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
109042	0.2	5.4	312	2.64	1990	< 1	2.9	9.3	30	< 0.8	1.9	5.4	0.14	< 2	6.6	25.6	2.6	0.6	123	< 0.2	0.8	< 6	0.4
109043	0.2	5.3	399	2.87	1790	< 1	< 2.4	9.3	30	1.6	1.9	12.5	0.06	< 2	2.9	24.5	2.4	0.8	182	< 0.2	0.8	< 6	0.4
109044	0.2	5.4	231	3.16	2290	< 1	2.4	9.5	30	< 0.8	2.0	5.8	0.12	< 2	6.9	23.7	2.6	0.6	146	< 0.2	0.8	< 6	0.4
109045	0.1	3.1	512	4.63	1990	< 1	2.7	6.5	60	< 0.8	1.3	6.5	0.05	< 2	2.4	23.9	2.1	2.2	68	< 0.2	0.7	< 6	0.2
109046	0.2	4.8	189	2.72	2210	< 1	3.0	8.7	40	< 0.8	1.9	7.0	0.06	< 2	2.8	25.1	2.5	1.2	132	< 0.2	0.8	< 6	0.4
109047	0.2	5.5	201	2.93	1840	< 1	3.1	9.5	30	< 0.8	2.0	7.2	0.10	< 2	1.3	24.3	2.6	1.5	98	< 0.2	0.8	< 6	0.4
109048	0.2	5.5	172	2.69	2060	1	2.8	9.0	30	< 0.8	1.9	41.2	0.07	< 2	1.4	24.2	2.5	4.9	85	< 0.2	0.8	< 6	0.4
109049	2.0	< 0.4	6750	0.02	358	7	94.0	< 0.4	20	1.8	< 0.1	1670	< 0.01	< 2	< 0.8	> 30.0	< 0.1	129	25	127	< 0.1	< 6	2.1
109050	0.2	5.1	142	2.53	2020	< 1	3.4	8.8	30	< 0.8	1.9	25.2	0.09	< 2	2.1	24.8	2.3	6.8	68	< 0.2	0.8	< 6	0.4
109051	0.1	1.6	125	0.70	1030	5	67.6	2.4	10	< 0.8	0.5	44.5	0.03	< 2	6.7	> 30.0	0.7	27.1	75	61.9	0.2	< 6	1.9
109052	0.2	4.9	182	2.79	2250	< 1	2.7	8.8	40	< 0.8	1.8	16.3	0.12	< 2	2.1	25.4	2.4	3.2	128	< 0.2	0.8	< 6	0.4
109053	0.3	10.9	624	4.11	1520	< 1	3.8	14.8	60	< 0.8	3.4	128	0.33	< 2	3.1	25.1	3.3	4.2	204	0.2	0.8	< 6	1.2
109054	0.4	3.6	489	4.02	1750	< 1	9.2	6.7	60	< 0.8	1.4	229	0.18	< 2	9.4	24.7	2.0	15.2	96	4.3	0.6	< 6	0.4
109055	0.6	3.6	450	4.24	1970	2	5.8	6.9	60	< 0.8	1.4	589	0.08	< 2	1.8	23.9	2.0	50.2	85	2.9	0.7	< 6	0.3
109056	0.1	2.7	273	2.89	891	< 1	4.8	3.4	40	< 0.8	0.8	69.5	0.19	< 2	1.8	24.8	0.9	58.7	130	4.1	0.3	< 6	0.2
109057	0.5	4.1	441	4.46	2350	< 1	33.0	7.4	40	58.3	1.5	315	0.12	< 2	2.3	21.4	2.3	244	78	19.3	0.8	< 6	0.4
109058	0.6	1.9	1380	3.05	1490	< 1	5.0	3.9	30	< 0.8	0.8	380	0.19	< 2	2.3	29.0	1.2	28.8	50	6.3	0.5	< 6	0.1
109059	0.9	1.0	551	1.59	1150	< 1	9.0	1.7	20	< 0.8	0.4	1820	0.11	< 2	1.3	> 30.0	0.5	55.4	43	23.8	0.2	< 6	0.4
109060	1.4	1.9	708	2.74	1720	< 1	4.3	3.6	30	< 0.8	0.7	2080	1.23	< 2	4.1	29.3	1.1	38.9	41	17.6	0.4	< 6	0.2
109061	0.6	0.7	218	0.46	793	2	85.4	0.9	10	< 0.8	0.2	700	0.07	< 2	1.7	> 30.0	0.2	30.7	27	153	< 0.1	< 6	1.2
109062	1.3	10.6	744	2.33	1810	< 1	7.1	14.6	50	< 0.8	3.3	1520	2.69	< 2	6.0	24.5	3.5	59.2	109	8.4	0.8	< 6	1.7
109063	0.8	3.1	536	1.35	1280	< 1	54.4	5.8	40	< 0.8	1.2	1070	0.06	< 2	2.0	28.2	1.7	73.6	160	69.0	0.4	< 6	1.5
109064	1.9	< 0.4	79	0.02	423	< 1	94.4	< 0.4	< 10	< 0.8	< 0.1	1340	< 0.01	< 2	1.6	> 30.0	< 0.1	103	15	115	< 0.1	< 6	1.5
109065	1.7	< 0.4	4720	0.02	733	< 1	79.3	< 0.4	< 10	< 0.8	< 0.1	1360	< 0.01	< 2	6.8	> 30.0	< 0.1	297	11	61.1	< 0.1	< 6	2.2
109066	< 0.1	< 0.4	5	1.53	22	< 1	< 2.4	< 0.4	< 10	< 0.8	< 0.1	4.5	0.28	< 2	< 0.8	0.31	< 0.1	< 0.5	3700	0.5	< 0.1	< 6	< 0.1
109067	1.8	< 0.4	397	< 0.01	474	< 1	45.2	< 0.4	< 10	< 0.8	< 0.1	1890	0.01	< 2	< 0.8	> 30.0	< 0.1	199	10	24.8	< 0.1	< 6	1.6
109068	2.0	< 0.4	6970	0.02	347	6	90.9	< 0.4	10	0.9	< 0.1	1620	< 0.01	< 2	< 0.8	> 30.0	< 0.1	124	24	129	< 0.1	< 6	2.0
109069	0.7	0.6	324	< 0.01	1180	< 1	110.6	0.7	20	< 0.8	0.2	592	< 0.01	< 2	< 0.8	> 30.0	< 0.1	261	22	62.7	< 0.1	< 6	2.1
109070	0.8	0.7	168	0.02	722	< 1	110.2	1.7	< 10	< 0.8	0.3	755	< 0.01	< 2	< 0.8	> 30.0	0.4	158	20	128	< 0.1	< 6	4.1
109071	0.8	6.5	1380	3.24	1780	< 1	5.4	11.8	50	< 0.8	2.4	703	0.19	< 2	3.1	23.3	3.6	7.5	135	0.6	0.9	< 6	0.5
109072	0.3	8.1	1210	3.13	1750	< 1	8.8	14.4	70	< 0.8	2.9	63.5	0.20	< 2	2.7	22.9	3.8	84.9	148	8.6	1.0	< 6	3.5
109073	0.3	6.7	549	3.18	1620	2	4.4	12.8	40	< 0.8	2.6	48.6	0.12	< 2	2.2	23.8	3.7	0.6	162	< 0.2	1.0	< 6	0.6
109074	0.4	7.1	2100	2.73	2180	< 1	4.3	13.7	70	< 0.8	2.7	75.3	0.50	< 2	1.1	22.7	3.9	1.1	72	< 0.2	1.0	< 6	0.6
109075	0.4	7.7	1110	2.27	2170	< 1	4.4	14.6	40	< 0.8	3.0	124	0.30	< 2	2.5	23.7	4.2	3.4	89	< 0.2	1.0	< 6	0.6
109076	0.9	7.1	2150	2.62	2520	2	4.7	11.8	40	< 0.8	2.5	346	0.40	< 2	5.6	24.3	3.3	9.3	89	0.3	0.9	< 6	0.7
109077	0.2	1.3	155	0.19	889	< 1	55.7	1.7	10	< 0.8	0.4	77.7	0.03	< 2	1.7	> 30.0	0.4	11.2	56	33.8	0.1	< 6	0.9
109078	3.6	1.0	136	0.05	339	1	55.7	1.1	10	6.0	0.3	1560	0.01	< 2	1.0	> 30.0	0.3	113	18	40.3	< 0.1	< 6	2.5
109079	2.5	1.5	119	0.05	278	< 1	42.6	1.9	10	5.4	0.5	1120	0.03	< 2	1.2	> 30.0	0.6	79.5	16	26.5	0.2	< 6	3.1
109080	2.9	1.3	121	0.05	364	< 1	56.2	1.8	20	5.4	0.5	1310	< 0.01	< 2	< 0.8	> 30.0	0.4	79.7	15	20.4	0.1	< 6	3.6
109081	2.9	1.2	55	0.03	749	< 1	47.6	1.5	20	3.3	0.4	1390	0.02	< 2	1.1	> 30.0	0.4	44.0	18	34.9	< 0.1	< 6	2.3
109082	0.5	1.4	283	0.12	1290	8	53.4	1.6	50	< 0.8	0.4	315	0.08	< 2	1.7	> 30.0	0.4	56.2	29	34.4	0.1	< 6	1.0

Analyte Symbol	K	La	Li	Mg	Mn	Mo	Nb	Nd	Ni	Pb	Pr	Rb	S	Sb	Se	Si	Sm	Sn	Sr	Ta	Tb	Te	Th
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	0.4	3	0.01	3	1	2.4	0.4	10	0.8	0.1	0.4	0.01	2	0.8	0.01	0.1	0.5	3	0.2	0.1	6	0.1
Method Code	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
109083	0.9	6.6	805	2.42	2010	< 1	2.9	9.8	110	< 0.8	2.2	545	0.61	< 2	2.3	24.5	2.7	10.5	74	3.5	0.7	< 6	0.7
109084	0.4	6.5	810	2.58	1980	< 1	2.6	10.3	50	< 0.8	2.3	79.0	0.82	< 2	3.0	24.6	2.5	1.0	77	0.5	0.7	< 6	0.6
109085	0.4	8.8	882	2.05	2450	< 1	4.5	15.3	40	1.7	3.2	71.9	1.09	< 2	3.7	24.3	4.1	0.5	140	0.8	1.1	< 6	0.8
109086	< 0.1	< 0.4	< 3	2.54	50	< 1	< 2.4	< 0.4	120	< 0.8	< 0.1	< 0.4	0.09	< 2	1.5	0.33	< 0.1	< 0.5	3690	4.4	< 0.1	< 6	< 0.1
109087	0.3	16.0	645	1.60	3030	< 1	9.3	32.1	20	< 0.8	6.4	15.6	0.18	< 2	3.2	24.4	9.5	1.3	92	0.6	2.3	< 6	1.3
109088	0.9	19.7	247	1.26	3300	3	11.5	38.5	30	15.0	7.6	220	0.32	< 2	4.3	24.5	11.4	7.5	162	2.2	2.6	< 6	1.5
109089	0.4	6.3	107	0.29	1560	8	72.9	12.2	40	12.6	2.5	231	0.09	< 2	2.0	> 30.0	3.5	56.4	59	32.8	0.7	< 6	1.6
109090	0.7	19.4	316	1.14	3310	< 1	11.2	38.2	10	14.4	7.3	359	0.36	< 2	5.0	24.2	11.3	8.9	112	1.6	2.6	< 6	1.5
109091	0.2	4.3	421	5.12	1260	< 1	2.6	7.3	70	12.4	1.5	50.0	0.10	< 2	2.3	23.5	2.4	1.6	113	1.1	0.6	< 6	0.3
109092	1.9	< 0.4	7300	0.02	383	12	99.4	< 0.4	20	21.6	< 0.1	1930	< 0.01	< 2	3.0	> 30.0	0.2	140	28	137	< 0.1	< 6	2.2
109093	0.2	6.3	123	2.99	1920	7	3.9	10.0	210	20.9	2.1	14.3	0.18	< 2	2.9	23.1	3.0	1.8	176	4.7	0.8	< 6	0.3
109094	0.4	13.2	208	1.97	2030	< 1	8.3	25.6	< 10	8.0	5.2	18.6	1.52	< 2	6.6	22.5	7.6	2.2	216	1.3	1.8	< 6	1.2
109095	0.9	67.0	970	4.56	1410	22	4.4	72.2	1620	12.2	18.0	894	0.05	< 2	2.9	22.4	11.7	1.8	384	61.4	1.0	< 6	8.6
109096	1.5	5.6	1060	4.46	2070	7	4.1	9.8	490	9.6	2.0	1580	0.06	< 2	3.1	21.1	3.1	15.3	180	17.0	0.8	< 6	0.6
109097	2.1	1.7	340	0.29	1120	26	111.9	2.6	120	10.6	0.6	2880	< 0.01	< 2	< 0.8	29.2	0.6	295	50	128	0.1	< 6	2.3
109098	< 0.1	0.8	< 3	1.75	35	5	< 2.4	0.5	370	5.4	0.2	6.8	0.17	< 2	2.2	0.33	0.2	0.9	3710	13.8	< 0.1	< 6	< 0.1
109099	2.4	16.6	1350	3.45	2330	3	24.4	22.0	340	7.8	5.1	4480	0.04	< 2	3.4	21.6	4.8	158	309	30.3	0.7	< 6	3.8
109100	0.3	5.8	860	3.79	1710	6	4.4	10.0	460	8.3	2.0	223	0.07	< 2	4.2	23.2	3.1	8.2	265	14.3	0.7	< 6	0.5
109101	0.2	6.7	363	3.75	1960	6	4.1	12.6	350	< 0.8	2.5	13.6	0.16	< 2	3.0	22.3	3.7	1.8	145	9.1	0.9	< 6	0.6
109102	1.9	< 0.4	7930	0.02	367	7	95.0	< 0.4	< 10	2.1	< 0.1	1890	< 0.01	< 2	4.7	> 30.0	0.2	138	28	122	< 0.1	< 6	2.9
109103	0.2	6.5	359	3.88	1910	4	3.9	11.8	470	< 0.8	2.4	9.1	0.15	< 2	2.7	22.5	3.7	2.1	144	13.8	0.9	< 6	0.5
109104	0.3	6.4	656	3.85	1680	17	3.6	11.7	1320	2.1	2.3	172	0.13	< 2	2.1	22.3	3.4	6.2	113	41.6	0.8	< 6	0.5
109105	0.7	6.2	880	4.38	1730	9	3.9	11.2	650	1.7	2.2	552	0.05	< 2	1.8	22.5	3.5	8.0	101	22.5	0.8	< 6	0.5
109106	0.5	3.0	588	1.57	737	617	7.0	5.1	2750	4.2	1.0	359	0.09	< 2	< 0.8	28.8	1.6	6.8	180	96.0	0.3	< 6	0.9
109107	0.7	5.5	880	3.95	1920	27	5.0	10.5	670	9.1	2.0	482	0.04	< 2	3.1	21.6	3.2	18.3	107	21.2	0.8	< 6	0.6
109108	0.4	6.0	1010	4.02	1790	13	3.2	11.2	840	< 0.8	2.2	202	0.04	< 2	1.6	21.4	3.3	2.5	128	28.5	0.8	< 6	0.5
109109	0.5	5.4	1270	3.80	1720	4	3.9	10.0	370	5.5	2.1	236	0.05	< 2	< 0.8	24.5	2.9	3.0	126	11.2	0.7	< 6	0.4
109110	1.9	< 0.4	6610	0.09	597	9	58.3	< 0.4	350	1.1	< 0.1	1630	< 0.01	< 2	< 0.8	> 30.0	0.2	231	24	44.6	< 0.1	< 6	1.9
109111	1.0	< 0.4	9820	0.02	489	5	46.5	< 0.4	250	3.2	< 0.1	889	< 0.01	< 2	< 0.8	> 30.0	0.3	261	14	31.5	< 0.1	< 6	1.8
109112	< 0.1	< 0.4	21	2.26	41	11	< 2.4	< 0.4	750	5.4	< 0.1	2.9	0.07	< 2	< 0.8	0.32	< 0.1	0.6	3790	26.0	< 0.1	< 6	< 0.1
109113	0.2	< 0.4	105	0.06	392	2	47.1	< 0.4	180	< 0.8	< 0.1	77.6	< 0.01	< 2	< 0.8	> 30.0	0.1	42.6	38	31.6	< 0.1	< 6	2.5
109114	4.3	< 0.4	4660	0.01	541	2	49.8	< 0.4	100	2.3	< 0.1	3580	< 0.01	< 2	< 0.8	> 30.0	0.3	112	20	24.7	< 0.1	< 6	1.4
109115	0.9	< 0.4	3000	0.01	980	< 1	79.0	< 0.4	70	< 0.8	< 0.1	725	< 0.01	< 2	< 0.8	> 30.0	0.3	114	17	43.3	< 0.1	< 6	2.2
109116	3.3	< 0.4	7740	0.03	1760	31	82.3	< 0.4	350	5.1	< 0.1	1980	0.02	< 2	< 0.8	> 30.0	0.3	172	10	51.7	< 0.1	< 6	0.6
109117	4.4	< 0.4	4300	0.01	708	8	45.0	< 0.4	30	4.4	< 0.1	2610	< 0.01	< 2	2.3	> 30.0	0.2	105	14	18.8	< 0.1	< 6	0.2
109118	2.3	< 0.4	3360	0.06	1180	6	70.5	< 0.4	80	4.0	< 0.1	1470	< 0.01	< 2	< 0.8	> 30.0	0.3	85.4	18	60.9	< 0.1	< 6	1.6
109119	0.4	4.3	1590	2.88	2310	< 1	4.2	8.2	220	9.4	1.6	82.7	0.07	< 2	2.0	27.1	2.6	6.2	118	6.6	0.7	< 6	0.2
109120	0.3	4.2	281	3.47	1810	4	3.6	7.9	380	< 0.8	1.6	38.8	0.07	< 2	3.1	26.3	2.4	3.2	246	11.6	0.6	< 6	0.2
109121	0.2	4.2	157	2.93	1940	< 1	3.2	8.2	140	3.2	1.6	24.0	0.11	< 2	13.0	24.5	2.5	2.0	183	2.5	0.6	< 6	0.2
109122	0.3	4.1	567	2.91	1930	< 1	3.9	7.9	140	4.7	1.6	97.6	0.11	< 2	10.7	24.6	2.5	14.4	120	3.8	0.6	< 6	0.2
109123	2.8	< 0.4	342	0.24	541	136	51.1	0.5	30	9.3	0.1	1300	0.11	< 2	< 0.8	> 30.0	0.4	180	28	28.2	< 0.1	< 6	4.0

Analyte Symbol	K	La	Li	Mg	Mn	Mo	Nb	Nd	Ni	Pb	Pr	Rb	S	Sb	Se	Si	Sm	Sn	Sr	Ta	Tb	Te	Th
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	0.4	3	0.01	3	1	2.4	0.4	10	0.8	0.1	0.4	0.01	2	0.8	0.01	0.1	0.5	3	0.2	0.1	6	0.1
Method Code	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
109124	0.4	3.9	507	3.17	1780	1	4.6	7.2	180	< 0.8	1.5	127	0.06	< 2	1.4	24.7	2.4	13.9	88	4.5	0.6	< 6	0.2
109125	0.1	3.8	159	2.12	1650	< 1	< 2.4	7.5	110	< 0.8	1.5	25.5	0.16	< 2	2.4	23.4	2.3	1.7	54	1.1	0.6	< 6	0.2
109126	0.2	3.9	178	3.07	1810	2	2.5	7.4	260	3.4	1.6	19.8	0.15	< 2	2.4	26.2	2.3	2.0	146	5.7	0.6	< 6	0.2
109127	0.2	3.9	216	3.07	1790	< 1	< 2.4	7.5	170	4.4	1.5	6.7	0.10	< 2	13.0	24.1	2.4	2.4	144	3.3	0.6	< 6	0.2
109128	0.2	6.7	289	2.79	2280	2	4.1	13.0	140	10.5	2.6	19.0	0.45	< 2	2.4	25.2	4.1	2.5	72	3.3	0.9	< 6	0.5
109129	1.8	< 0.4	8120	0.02	341	6	76.6	< 0.4	< 10	5.3	< 0.1	1660	0.01	< 2	< 0.8	> 30.0	< 0.1	124	23	106	< 0.1	< 6	2.0
109130	0.4	6.5	360	2.96	1530	< 1	4.3	12.2	50	< 0.8	2.5	121	0.15	< 2	3.2	26.0	3.9	5.2	165	0.8	0.9	< 6	0.5
109131	2.1	< 0.4	88	0.07	886	23	56.3	< 0.4	< 10	3.2	< 0.1	1240	0.02	< 2	< 0.8	> 30.0	0.2	57.4	37	44.2	< 0.1	< 6	1.5
109132	0.4	6.2	372	2.90	1580	< 1	5.6	11.7	90	< 0.8	2.3	143	0.06	< 2	< 0.8	23.4	3.7	8.9	168	3.4	0.9	< 6	0.5
109133	0.5	5.7	696	3.46	1530	< 1	4.0	11.6	110	< 0.8	2.3	174	0.08	< 2	< 0.8	23.8	3.7	6.0	123	3.1	0.8	< 6	0.5
109134	3.1	1.0	114	0.22	349	53	34.8	0.9	20	6.2	0.3	1330	< 0.01	< 2	< 0.8	> 30.0	0.5	269	27	14.7	< 0.1	< 6	0.9
109135	2.2	1.5	105	0.06	307	10	37.2	1.0	70	4.7	0.4	972	< 0.01	< 2	< 0.8	> 30.0	0.4	102	11	23.1	< 0.1	< 6	3.3
109136	3.3	0.7	96	0.03	815	22	34.4	0.6	< 10	4.1	0.2	1570	< 0.01	< 2	< 0.8	> 30.0	0.3	350	19	16.2	< 0.1	< 6	1.0
109137	0.9	5.6	560	3.31	1440	< 1	4.5	11.2	90	< 0.8	2.2	361	0.11	< 2	< 0.8	25.5	3.5	7.8	142	1.8	0.8	< 6	0.5
109138	< 0.1	< 0.4	< 3	2.32	52	1	< 2.4	< 0.4	90	< 0.8	< 0.1	2.0	0.11	< 2	< 0.8	0.56	< 0.1	1.5	2610	4.0	< 0.1	< 6	< 0.1
109139	0.2	7.0	208	3.05	1630	< 1	4.0	13.4	140	< 0.8	2.6	4.5	0.13	< 2	< 0.8	22.3	3.9	1.1	179	4.2	0.9	< 6	0.5
109140	0.3	5.1	391	3.49	1430	< 1	3.4	10.8	130	< 0.8	2.1	22.0	0.04	< 2	< 0.8	24.5	3.5	1.0	131	3.3	0.9	< 6	0.4
109141	0.6	6.0	376	3.15	1520	< 1	3.6	11.6	70	< 0.8	2.3	227	0.07	< 2	1.6	24.2	3.7	6.6	179	1.6	0.8	< 6	0.5
109142	0.2	1.3	42	0.14	418	24	32.5	1.5	40	2.1	0.4	77.0	0.03	< 2	< 0.8	> 30.0	0.5	14.7	42	18.5	< 0.1	< 6	3.0
109143	0.5	7.4	482	3.41	1470	< 1	5.9	13.0	70	< 0.8	2.6	162	0.16	< 2	< 0.8	22.4	4.1	4.7	231	1.6	1.0	< 6	0.7
109144	0.7	4.9	692	3.69	1580	< 1	2.8	8.2	100	< 0.8	1.7	304	1.46	< 2	1.8	25.0	2.5	15.1	144	2.1	0.6	< 6	0.5
109145	0.1	1.4	99	0.31	728	72	34.4	1.9	40	< 0.8	0.4	63.3	0.13	< 2	< 0.8	> 30.0	0.6	13.7	65	22.0	< 0.1	< 6	1.7
109146	1.3	3.7	1160	3.97	1450	< 1	3.3	6.2	110	< 0.8	1.3	696	0.92	< 2	1.7	26.2	2.1	20.1	108	3.1	0.6	< 6	0.4
109147	0.2	6.3	253	3.08	1680	< 1	3.5	11.3	130	< 0.8	2.3	24.7	0.13	< 2	< 0.8	25.0	3.4	1.1	318	3.6	0.8	< 6	0.4
109148	0.7	2.9	1330	5.90	1090	< 1	< 2.4	5.3	130	< 0.8	1.0	331	0.31	< 2	< 0.8	23.4	1.9	0.5	76	1.2	0.6	< 6	0.3
109149	1.6	2.9	3460	5.73	1710	1	< 2.4	5.3	220	< 0.8	1.0	780	0.09	< 2	< 0.8	24.4	2.0	1.4	98	6.5	0.6	< 6	0.3
109150	1.8	< 0.4	8000	0.03	336	5	64.5	< 0.4	< 10	< 0.8	< 0.1	1620	< 0.01	< 2	< 0.8	> 30.0	< 0.1	118	22	93.0	< 0.1	< 6	1.9
109151	0.2	2.5	1500	6.20	1610	< 1	2.7	5.6	90	32.2	1.1	82.8	0.27	< 2	< 0.8	22.4	2.1	11.9	67	1.7	0.6	< 6	0.3
109152	1.1	< 0.4	118	0.38	715	13	53.2	1.0	30	4.3	0.2	507	0.02	< 2	< 0.8	> 30.0	0.5	35.3	19	30.4	< 0.1	< 6	1.4
109153	0.2	< 0.4	32	0.04	172	58	53.2	1.2	10	3.6	0.2	58.6	0.01	< 2	< 0.8	> 30.0	0.3	128	14	28.2	< 0.1	< 6	2.0
109154	< 0.1	< 0.4	< 3	2.03	39	< 1	< 2.4	< 0.4	< 10	< 0.8	< 0.1	1.1	0.08	< 2	< 0.8	0.67	< 0.1	0.6	3170	0.4	< 0.1	< 6	< 0.1
109155	0.5	4.2	490	3.04	1910	< 1	3.0	6.6	100	0.9	1.4	165	0.03	< 2	< 0.8	25.8	2.0	14.7	198	2.0	0.6	< 6	0.3
109156	0.4	4.6	194	3.78	1730	< 1	2.4	7.4	110	< 0.8	1.6	43.9	0.04	< 2	< 0.8	27.7	2.4	1.7	138	2.3	0.6	< 6	0.3
109157	0.3	4.8	166	3.56	1800	< 1	< 2.4	7.4	90	< 0.8	1.6	64.9	0.07	< 2	< 0.8	27.3	2.3	1.6	99	1.8	0.6	< 6	0.3
109158	0.6	5.8	545	3.47	1810	< 1	3.3	11.0	80	< 0.8	2.2	170	0.18	< 2	< 0.8	25.0	3.3	0.9	159	0.8	0.8	< 6	0.4
109159	0.8	5.4	560	3.40	1660	< 1	4.6	10.3	70	< 0.8	2.0	301	0.06	< 2	< 0.8	24.4	3.0	22.7	151	1.1	0.7	< 6	0.4
109160	0.2	2.4	142	0.33	509	213	38.9	2.0	< 10	1.7	0.6	95.4	0.04	< 2	< 0.8	> 30.0	0.7	20.0	50	28.1	0.1	< 6	2.5
109161	0.8	5.7	505	3.17	1660	34	7.5	10.7	520	1.4	2.2	337	0.39	< 2	< 0.8	25.2	3.1	42.4	172	22.8	0.8	< 6	0.5
109162	0.4	6.2	335	3.47	1850	1	4.0	12.1	80	< 0.8	2.4	45.4	0.25	< 2	< 0.8	25.1	3.6	12.3	145	1.4	0.9	< 6	0.5
109163	0.3	2.0	193	0.87	620	192	19.9	3.3	30	1.9	0.7	163	0.13	< 2	< 0.8	> 30.0	1.0	15.8	76	10.3	0.2	< 6	1.4
109164	0.6	5.0	371	2.91	1620	37	8.3	9.5	60	< 0.8	1.9	231	0.18	< 2	< 0.8	26.4	3.0	25.1	125	4.5	0.7	< 6	0.5

Analyte Symbol	K	La	Li	Mg	Mn	Mo	Nb	Nd	Ni	Pb	Pr	Rb	S	Sb	Se	Si	Sm	Sn	Sr	Ta	Tb	Te	Th
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	0.4	3	0.01	3	1	2.4	0.4	10	0.8	0.1	0.4	0.01	2	0.8	0.01	0.1	0.5	3	0.2	0.1	6	0.1
Method Code	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
109165	0.2	6.4	259	3.36	1700	< 1	3.7	11.7	70	< 0.8	2.4	9.8	0.13	< 2	< 0.8	26.1	3.6	1.1	126	0.9	0.9	< 6	0.5

Analyte Symbol	Ti	Tl	Tm	U	V	W	Y	Yb	Zn	Li
Unit Symbol	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	0.01	0.1	0.1	0.1	5	0.7	0.1	0.1	30	0.01
Method Code	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2
109001	0.71	1.5	0.6	0.4	338	3.3	33.7	3.5	140	
109002	< 0.01	16.5	< 0.1	8.0	6	2.8	0.5	< 0.1	100	
109003	< 0.01	42.7	< 0.1	4.3	< 5	3.5	0.5	< 0.1	30	
109004	< 0.01	54.8	< 0.1	3.9	< 5	0.7	< 0.1	< 0.1	< 30	
109005	< 0.01	25.4	< 0.1	2.2	< 5	< 0.7	< 0.1	< 0.1	< 30	
109006	< 0.01	18.8	< 0.1	6.6	< 5	0.8	0.2	< 0.1	40	
109007	0.69	29.7	0.6	2.0	328	2.8	31.7	3.3	180	
109008	0.16	9.1	0.1	7.8	77	1.0	7.3	0.8	170	
109009	0.30	7.4	0.3	1.2	162	3.2	15.7	1.6	170	
109010	0.74	8.3	0.6	0.2	354	< 0.7	34.6	3.5	160	
109011	< 0.01	13.5	< 0.1	5.8	< 5	0.9	< 0.1	< 0.1	190	
109012	0.69	0.6	0.6	0.3	341	2.5	32.7	3.3	140	
109013	0.74	8.0	0.6	1.5	363	1.4	35.8	3.6	180	
109014	0.56	1.0	0.5	0.3	336	0.8	27.0	2.7	160	
109015	0.58	0.4	0.5	0.2	333	< 0.7	28.4	2.9	180	
109016	0.57	2.8	0.5	0.6	344	< 0.7	28.1	2.8	210	
109017	0.02	6.8	< 0.1	6.5	9	< 0.7	0.5	< 0.1	150	
109018	< 0.01	12.8	< 0.1	4.8	< 5	< 0.7	< 0.1	< 0.1	100	
109019	< 0.01	< 0.1	< 0.1	1.7	< 5	< 0.7	< 0.1	< 0.1	< 30	
109020	< 0.01	9.0	< 0.1	7.4	6	1.6	0.3	< 0.1	90	
109021	< 0.01	10.4	< 0.1	8.5	< 5	< 0.7	< 0.1	< 0.1	190	
109022	< 0.01	10.3	< 0.1	9.8	< 5	< 0.7	0.3	< 0.1	110	
109023	< 0.01	6.1	< 0.1	12.9	< 5	2.6	0.3	< 0.1	110	
109024	< 0.01	21.3	< 0.1	13.9	< 5	1.8	0.8	< 0.1	120	
109025	< 0.01	8.3	< 0.1	11.0	< 5	1.2	0.5	< 0.1	100	
109026	< 0.01	2.7	< 0.1	14.7	< 5	1.4	0.6	< 0.1	130	
109027	< 0.01	12.7	< 0.1	7.6	< 5	1.8	0.8	< 0.1	100	
109028	< 0.01	6.8	< 0.1	6.8	< 5	1.1	0.8	< 0.1	80	
109029	< 0.01	< 0.1	< 0.1	1.6	< 5	< 0.7	< 0.1	< 0.1	< 30	
109030	< 0.01	18.4	< 0.1	12.8	< 5	11.7	< 0.1	< 0.1	100	
109031	< 0.01	4.3	< 0.1	7.5	< 5	0.7	0.3	< 0.1	130	1.27
109032	< 0.01	13.4	< 0.1	5.5	< 5	1.3	< 0.1	< 0.1	200	
109033	< 0.01	17.4	< 0.1	8.7	< 5	< 0.7	2.1	0.2	90	
109034	< 0.01	4.2	< 0.1	6.6	< 5	4.9	0.4	< 0.1	160	
109035	< 0.01	2.6	< 0.1	13.4	< 5	2.0	0.3	< 0.1	230	
109036	0.73	2.7	0.6	0.3	365	1.1	32.5	3.3	160	
109037	0.69	0.4	0.5	0.3	340	< 0.7	30.2	3.1	150	
109038	0.71	0.3	0.6	0.2	357	< 0.7	32.1	3.4	150	
109039	0.57	0.3	0.4	0.1	295	0.7	22.4	2.2	110	
109040	0.73	0.1	0.6	0.2	367	< 0.7	32.7	3.2	140	
109041	0.69	< 0.1	0.5	0.2	345	< 0.7	31.6	3.3	140	

Analyte Symbol	Ti	Tl	Tm	U	V	W	Y	Yb	Zn	Li
Unit Symbol	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	0.01	0.1	0.1	0.1	5	0.7	0.1	0.1	30	0.01
Method Code	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2
109042	0.72	< 0.1	0.5	0.2	351	< 0.7	32.7	3.2	140	
109043	0.69	0.1	0.6	0.2	347	< 0.7	31.6	3.2	140	
109044	0.70	< 0.1	0.6	0.2	337	< 0.7	33.2	3.5	130	
109045	0.58	< 0.1	0.5	0.2	357	3.1	28.3	2.7	140	
109046	0.69	< 0.1	0.5	0.2	351	2.1	32.3	3.1	140	
109047	0.70	< 0.1	0.6	0.2	356	1.0	33.6	3.3	150	
109048	0.66	0.3	0.5	0.2	334	5.9	31.0	3.1	130	
109049	< 0.01	13.2	< 0.1	5.9	< 5	1.9	< 0.1	< 0.1	200	
109050	0.68	0.3	0.5	0.2	339	4.5	31.3	3.1	130	
109051	0.19	0.4	0.1	7.3	93	2.4	8.9	0.9	60	
109052	0.67	0.2	0.5	0.2	334	3.1	30.2	3.2	130	
109053	0.61	0.9	0.5	0.4	308	< 0.7	27.6	2.8	140	
109054	0.51	1.6	0.4	0.9	317	0.7	26.2	2.5	130	
109055	0.53	4.0	0.5	0.9	326	12.1	27.3	2.7	170	
109056	0.35	0.4	0.2	1.1	224	6.5	10.7	1.1	160	
109057	0.58	2.2	0.7	0.4	349	4.6	36.8	4.3	180	
109058	0.34	2.9	0.5	0.3	250	3.6	23.9	3.0	120	
109059	0.19	14.2	0.2	1.6	125	1.8	11.1	1.4	250	
109060	0.33	16.6	0.4	0.5	216	< 0.7	21.2	2.6	200	
109061	0.06	5.3	< 0.1	7.5	44	1.2	3.9	0.5	110	
109062	0.69	13.3	0.5	0.7	231	< 0.7	29.2	2.9	260	
109063	0.44	8.6	0.2	5.9	146	1.0	13.6	1.2	110	
109064	< 0.01	9.6	< 0.1	5.1	< 5	< 0.7	0.3	< 0.1	50	
109065	< 0.01	9.2	< 0.1	6.1	< 5	< 0.7	< 0.1	< 0.1	70	
109066	< 0.01	< 0.1	< 0.1	1.7	< 5	3.5	< 0.1	< 0.1	< 30	
109067	< 0.01	11.8	< 0.1	6.4	< 5	2.3	< 0.1	< 0.1	110	
109068	< 0.01	12.7	< 0.1	5.5	< 5	1.9	< 0.1	< 0.1	180	
109069	< 0.01	3.7	< 0.1	7.8	< 5	0.8	< 0.1	< 0.1	40	
109070	< 0.01	4.2	< 0.1	7.7	< 5	0.9	1.0	< 0.1	100	
109071	1.06	6.6	0.5	0.4	340	< 0.7	28.5	2.6	160	
109072	1.10	0.6	0.5	2.8	366	< 0.7	29.9	2.6	130	
109073	1.14	0.4	0.5	0.2	333	< 0.7	31.0	2.8	140	
109074	1.26	0.8	0.5	0.2	393	< 0.7	32.1	3.0	170	
109075	1.26	1.1	0.6	0.2	405	< 0.7	32.9	2.9	160	
109076	0.96	3.0	0.6	0.4	359	< 0.7	35.1	3.6	150	
109077	0.09	0.5	< 0.1	10.1	29	4.3	3.6	0.3	80	
109078	0.01	10.9	< 0.1	4.6	< 5	2.8	2.6	0.2	70	
109079	0.02	8.3	< 0.1	5.7	< 5	2.1	4.4	0.3	90	
109080	0.02	9.6	< 0.1	6.4	< 5	3.4	3.0	0.2	80	
109081	< 0.01	9.9	< 0.1	6.3	< 5	1.3	2.3	0.1	40	
109082	0.03	1.8	< 0.1	7.5	12	4.8	3.0	0.2	90	

Analyte Symbol	Ti	Tl	Tm	U	V	W	Y	Yb	Zn	Li
Unit Symbol	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	0.01	0.1	0.1	0.1	5	0.7	0.1	0.1	30	0.01
Method Code	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2
109083	0.69	4.9	0.6	0.2	313	9.6	32.8	3.8	140	
109084	0.66	0.7	0.6	0.2	299	1.4	31.7	3.6	160	
109085	0.73	0.6	0.7	0.3	247	1.7	39.9	4.2	210	
109086	< 0.01	< 0.1	< 0.1	1.4	< 5	14.3	0.4	< 0.1	< 30	
109087	0.91	< 0.1	1.1	0.4	22	< 0.7	69.8	6.4	310	
109088	0.85	1.8	1.2	0.5	26	7.7	76.6	6.9	300	
109089	0.23	1.5	0.3	8.7	8	5.4	21.1	1.9	140	
109090	0.87	3.3	1.2	0.5	31	3.1	75.2	7.0	280	
109091	0.49	0.2	0.4	0.2	286	2.6	23.7	2.3	90	
109092	< 0.01	16.4	< 0.1	6.3	< 5	1.5	0.5	< 0.1	200	
109093	0.58	< 0.1	0.4	0.3	288	14.5	27.5	2.6	150	
109094	1.19	< 0.1	1.0	0.4	154	1.5	57.4	5.6	160	
109095	0.66	8.9	0.3	1.6	216	209	25.4	1.8	130	
109096	0.78	15.8	0.4	1.5	292	58.1	24.5	2.3	140	
109097	0.06	20.3	< 0.1	8.2	24	18.9	3.3	0.2	160	
109098	< 0.01	< 0.1	< 0.1	1.8	< 5	50.4	1.6	< 0.1	< 30	
109099	0.66	39.3	0.3	9.0	226	30.0	21.1	1.9	280	
109100	0.78	2.1	0.4	0.5	277	49.7	24.3	2.3	140	
109101	0.90	< 0.1	0.5	0.3	313	31.7	29.8	2.9	160	
109102	< 0.01	16.4	< 0.1	6.1	< 5	68.8	0.4	< 0.1	210	
109103	0.90	< 0.1	0.5	0.2	311	48.1	28.7	2.7	140	
109104	0.89	1.7	0.5	0.2	290	147	30.2	2.7	130	
109105	0.83	4.7	0.4	0.3	288	77.4	27.2	2.5	130	
109106	0.33	3.1	0.2	3.3	108	318	19.3	0.9	90	
109107	0.85	4.2	0.4	1.7	294	75.4	26.1	2.5	160	
109108	0.90	1.9	0.4	0.9	304	101	26.7	2.5	150	
109109	0.85	2.4	0.4	0.5	270	38.5	25.0	2.3	150	
109110	0.02	12.3	< 0.1	7.3	9	50.8	2.0	< 0.1	80	
109111	< 0.01	6.1	< 0.1	6.8	< 5	35.0	1.3	< 0.1	90	
109112	< 0.01	< 0.1	< 0.1	1.6	< 5	97.3	2.4	< 0.1	90	
109113	< 0.01	0.4	< 0.1	6.7	< 5	26.4	0.9	< 0.1	180	
109114	< 0.01	29.5	< 0.1	9.5	< 5	13.5	1.1	< 0.1	90	
109115	< 0.01	4.5	< 0.1	14.1	< 5	10.1	0.9	< 0.1	100	
109116	0.01	15.5	< 0.1	5.0	10	51.8	1.7	< 0.1	200	
109117	< 0.01	21.4	< 0.1	2.0	< 5	5.9	0.5	< 0.1	70	
109118	0.01	11.7	< 0.1	3.9	9	12.5	1.1	< 0.1	150	
109119	0.62	1.0	0.4	0.4	294	14.8	23.1	2.3	150	
109120	0.59	0.4	0.4	0.1	282	40.2	23.3	2.2	110	
109121	0.59	0.4	0.4	0.2	284	12.3	23.8	2.3	110	
109122	0.57	1.0	0.4	0.3	282	38.7	22.7	2.3	110	
109123	0.05	9.8	< 0.1	19.4	28	43.9	2.4	0.1	230	

Analyte Symbol	Ti	Tl	Tm	U	V	W	Y	Yb	Zn	Li
Unit Symbol	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	0.01	0.1	0.1	0.1	5	0.7	0.1	0.1	30	0.01
Method Code	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2
109124	0.57	1.1	0.4	0.2	278	33.7	21.8	2.1	110	
109125	0.55	0.1	0.4	0.1	275	8.6	20.9	2.1	100	
109126	0.58	0.1	0.4	0.2	286	18.1	23.1	2.2	110	
109127	0.58	< 0.1	0.4	0.2	285	9.0	22.4	2.3	110	
109128	1.06	< 0.1	0.5	0.3	350	9.7	28.8	2.6	150	
109129	< 0.01	14.5	< 0.1	5.5	< 5	2.4	0.3	< 0.1	200	
109130	1.04	1.1	0.4	0.2	338	< 0.7	26.8	2.4	150	
109131	0.02	9.4	< 0.1	8.1	11	2.3	1.4	< 0.1	100	
109132	1.00	1.2	0.4	0.5	345	7.5	26.4	2.3	150	
109133	1.09	1.4	0.4	0.3	361	8.3	27.1	2.5	140	
109134	0.08	9.2	< 0.1	4.3	26	2.1	3.3	0.2	50	
109135	0.02	6.4	< 0.1	7.6	< 5	8.8	3.9	0.2	80	
109136	0.01	10.6	< 0.1	3.8	< 5	< 0.7	2.1	< 0.1	60	
109137	1.01	2.9	0.4	0.6	319	2.4	27.2	2.5	140	
109138	0.01	< 0.1	< 0.1	1.4	< 5	12.6	1.1	< 0.1	< 30	
109139	1.06	< 0.1	0.5	0.3	345	12.9	29.1	2.6	140	
109140	1.07	< 0.1	0.4	0.2	349	9.4	26.1	2.4	130	
109141	1.08	1.8	0.4	0.3	349	3.3	26.6	2.4	150	
109142	0.04	0.4	< 0.1	9.8	18	8.7	3.3	0.2	60	
109143	1.17	1.2	0.5	0.7	374	3.5	30.3	2.7	140	
109144	0.60	2.8	0.4	0.3	249	6.1	22.8	2.2	240	
109145	0.06	0.3	< 0.1	7.4	24	4.9	4.1	0.2	80	
109146	0.57	6.0	0.4	0.4	247	6.9	22.0	2.2	260	
109147	0.98	< 0.1	0.4	0.2	328	10.4	25.5	2.3	170	
109148	0.58	2.0	0.4	0.1	285	2.3	22.7	2.2	90	
109149	0.61	5.1	0.4	0.1	294	22.4	22.2	2.2	90	
109150	< 0.01	14.1	< 0.1	5.4	< 5	< 0.7	0.2	< 0.1	180	
109151	0.57	0.6	0.4	10.2	286	3.1	21.9	2.4	300	
109152	0.04	3.5	< 0.1	4.8	21	4.4	2.7	0.1	50	
109153	< 0.01	0.2	< 0.1	6.5	5	2.1	1.3	< 0.1	< 30	
109154	< 0.01	< 0.1	< 0.1	1.6	< 5	< 0.7	0.7	< 0.1	< 30	
109155	0.55	1.2	0.4	0.3	252	4.9	21.1	2.0	110	
109156	0.60	0.2	0.4	0.2	275	5.6	21.7	2.2	100	
109157	0.61	0.3	0.4	0.2	278	4.3	21.3	2.2	90	
109158	0.98	1.0	0.4	0.2	303	< 0.7	25.4	2.3	190	
109159	0.99	2.3	0.4	0.3	306	< 0.7	23.8	2.0	130	
109160	0.10	0.6	< 0.1	8.0	31	< 0.7	4.7	0.3	50	
109161	0.89	2.6	0.4	0.5	285	66.7	24.3	2.2	140	
109162	1.11	0.3	0.4	0.3	368	6.9	26.5	2.4	250	
109163	0.29	1.2	0.1	5.8	99	3.0	8.0	0.6	60	
109164	0.94	1.8	0.3	0.8	313	< 0.7	21.6	2.0	130	

Analyte Symbol	Ti	Tl	Tm	U	V	W	Y	Yb	Zn	Li
Unit Symbol	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	0.01	0.1	0.1	0.1	5	0.7	0.1	0.1	30	0.01
Method Code	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2
109165	1.08	< 0.1	0.4	0.2	358	0.8	26.8	2.4	130	

Analyte Symbol	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	Fe	Ga	Gd	Ge	Ho	Hf	In
Unit Symbol	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	5	10	3	3	2	0.01	2	0.8	0.2	30	0.1	2	0.3	0.1	0.1	0.05	0.2	0.1	0.7	0.2	10	0.2
Method Code	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
GXR-1 Meas	3.25	429	40	636	< 3	1510	0.95	3	13.7	7.9	< 30	2.6	1160	4.6		0.6	25.5	13.3	4.4			< 10	0.5
GXR-1 Cert	3.52	427	15.0	750	1.22	1380	0.960	3.30	17.0	8.20	12.0	3.00	1110	4.30		0.690	23.6	13.8	4.20			0.960	0.770
GXR-1 Meas	3.55	427	20	659	< 3	1430	0.91	< 2	14.4	7.5	< 30	3.1	1120	4.4		0.6	26.0	12.7	4.2			< 10	0.5
GXR-1 Cert	3.52	427	15.0	750	1.22	1380	0.960	3.30	17.0	8.20	12.0	3.00	1110	4.30		0.690	23.6	13.8	4.20			0.960	0.770
GXR-1 Meas	3.42						0.88										25.6						
GXR-1 Cert	3.52						0.960										23.6						
NIST 696 Meas	> 25.0										290												
NIST 696 Cert	28.9										321.0												
NIST 696 Meas											320												
NIST 696 Cert											321.0												
GBW 07239 (NCS DC 70007) Meas		< 5				< 2			64.3	13.8			48					24.5		12.0			
GBW 07239 (NCS DC 70007) Cert		1.0				1.0			60.3	13.5			48.6					23.1		12.4			
GBW 07238 (NCS DC 70006) Meas		< 5							22.3				92					26.6		18.4			
GBW 07238 (NCS DC 70006) Cert		1.60							20.8				93.6					25.0		19.0			
OREAS 131a (Fusion) Meas		76		878				81		22.7			316				5.88						
OREAS 131a (Fusion) Cert		91		865				80		25			324				5.90						
OREAS 131a (Fusion) Meas		86		893				78		24.2			329				5.83						
OREAS 131a (Fusion) Cert		91		865				80		25			324				5.90						
MP-1b Meas		> 10000				878	2.59	545					> 10000				8.10						565
MP-1b Cert		23000.00				954.0000	2.47	527.0000					30690.000				8.19						565.0000
MP-1b Meas		> 10000				864	2.51	530					> 10000				8.07						548
MP-1b Cert		23000.00				954.0000	2.47	527.0000					30690.000				8.19						565.0000
MP-1b Meas		> 10000				937		573					> 10000										585
MP-1b Cert		23000.00				954.0000		527.0000					30690.000										565.0000
OREAS 101a (Fusion) Meas									1220	46.0			395	30.4	18.7	7.5	11.4		36.7		5.9		
OREAS 101a (Fusion) Cert									1396	48.8			434	33.3	19.5	8.06	11.06		43.4		6.46		
OREAS 101a (Fusion) Meas									1490	50.4			449	35.3	21.3	9.2	11.8		43.6		7.0		
OREAS 101a (Fusion) Cert									1396	48.8			434	33.3	19.5	8.06	11.06		43.4		6.46		
OREAS 101a									1380	49.0			427	31.2	20.0	8.3	11.2		37.9		6.5		

Analyte Symbol	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	Fe	Ga	Gd	Ge	Ho	Hf	In
Unit Symbol	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	5	10	3	3	2	0.01	2	0.8	0.2	30	0.1	2	0.3	0.1	0.1	0.05	0.2	0.1	0.7	0.2	10	0.2
Method Code	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
(Fusion) Meas																							
OREAS 101a (Fusion) Cert									1396	48.8			434	33.3	19.5	8.06	11.06		43.4		6.46		
OREAS 13b (fusion) Meas	8.25						6.15										8.68						
OREAS 13b (fusion) Cert	8.41						5.57										8.41						
OREAS 13b (fusion) Meas	9.51						6.21										9.00						
OREAS 13b (fusion) Cert	8.41						5.57										8.41						
OREAS 13b (fusion) Meas	8.57						5.67										8.49						
OREAS 13b (fusion) Cert	8.41						5.57										8.41						
NCS DC86303 Meas												354											
NCS DC86303 Cert												350											
NCS DC86314 Meas												2740											
NCS DC86314 Cert												2830											
NCS DC86314 Meas												3030											
NCS DC86314 Cert												2830											
OREAS 922 (Peroxide Fusion) Meas	7.38			529		12	0.46		99.9	22.8	70	8.6	2380	6.2	3.6	1.5	5.70	21.9	7.9		1.2	< 10	0.2
OREAS 922 (Peroxide Fusion) Cert	7.59			481		10.8	0.486		88.0	20.9	90.0	7.50	2215	5.75	3.38	1.52	5.71	21.2	6.94		1.20	5.93	0.340
OREAS 621 (Peroxide Fusion) Meas	6.29	79		2380	< 3	4	2.15	262	48.2	28.3	< 30	3.3	3450				3.86	25.0					2.0
OREAS 621 (Peroxide Fusion) Cert	6.63	85.0		2610	2.00	4.00	2.00	295	52.0	31.4	48.7	3.59	3680				3.71	26.5					1.93
OREAS 621 (Peroxide Fusion) Meas	7.52	82		2770	< 3	4	2.22	273	54.6	31.2	< 30	3.3	3740				4.01	25.7					2.2
OREAS 621 (Peroxide Fusion) Cert	6.63	85.0		2610	2.00	4.00	2.00	295	52.0	31.4	48.7	3.59	3680				3.71	26.5					1.93
OREAS 621	6.57						1.94										3.80						

Analyte Symbol	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	Fe	Ga	Gd	Ge	Ho	Hf	In
Unit Symbol	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	5	10	3	3	2	0.01	2	0.8	0.2	30	0.1	2	0.3	0.1	0.1	0.05	0.2	0.1	0.7	0.2	10	0.2
Method Code	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
(Peroxide Fusion) Meas																							
OREAS 621 (Peroxide Fusion) Cert	6.63						2.00										3.71						
109007 Orig	7.53	15	280	105	11	< 2	4.68	< 2	11.4	49.4	< 30	894	144	5.0	3.8	0.9	11.4	20.7	4.0	< 0.7	1.1	< 10	< 0.2
109007 Dup	7.50	9	280	105	11	< 2	4.75	< 2	12.7	50.0	60	860	143	4.9	3.8	0.9	11.5	19.9	4.1	< 0.7	1.2	< 10	< 0.2
109015 Orig	7.42	< 5	< 10	34	< 3	< 2	6.44	< 2	12.4	57.8	50	6.1	161	4.5	3.3	0.8	10.5	17.6	3.8	< 0.7	1.0	< 10	< 0.2
109015 Dup	7.40	< 5	< 10	34	< 3	< 2	6.40	< 2	12.6	57.3	70	5.8	158	4.7	3.3	0.8	10.5	17.4	3.8	< 0.7	1.0	< 10	< 0.2
109029 Orig	0.03	< 5	< 10	4	< 3	< 2	37.3	< 2	< 0.8	< 0.2	< 30	< 0.1	< 2	< 0.3	< 0.1	< 0.1	< 0.05	0.4	< 0.1	< 0.7	< 0.2	< 10	< 0.2
109029 Dup	0.02	< 5	< 10	4	< 3	< 2	37.4	< 2	< 0.8	< 0.2	< 30	< 0.1	< 2	< 0.3	< 0.1	< 0.1	< 0.05	0.5	< 0.1	< 0.7	< 0.2	< 10	< 0.2
109037 Orig	7.32	< 5	50	26	< 3	< 2	7.09	< 2	12.1	50.5	< 30	2.9	234	4.8	3.5	0.9	12.4	18.0	4.0	< 0.7	1.1	< 10	< 0.2
109037 Dup	7.33	< 5	40	27	< 3	< 2	7.07	< 2	12.2	50.3	< 30	2.7	236	4.8	3.5	0.9	12.3	18.0	4.3	< 0.7	1.2	< 10	< 0.2
109049 Orig	8.78	< 5	30	48	125	< 2	0.17	< 2	< 0.8	0.2	160	59.5	< 2	< 0.3	< 0.1	< 0.1	0.31	58.8	< 0.1	6.4	< 0.2	< 10	< 0.2
109049 Dup	8.78	< 5	30	49	129	< 2	0.15	< 2	< 0.8	0.3	170	61.0	2	< 0.3	< 0.1	< 0.1	0.31	59.3	< 0.1	5.8	< 0.2	< 10	< 0.2
109050 Orig	7.11	< 5	< 10	78	< 3	< 2	8.63	< 2	13.1	49.6	< 30	7.7	121	4.8	3.6	0.9	11.1	19.4	4.0	< 0.7	1.1	< 10	< 0.2
109050 Split PREP DUP	7.16	< 5	< 10	76	< 3	< 2	8.66	< 2	13.0	50.4	< 30	7.6	122	5.0	3.6	0.9	11.2	19.6	3.8	< 0.7	1.1	< 10	< 0.2
109058 Orig	5.75	5	2820	34	11	< 2	3.91	< 2	5.2	39.5	< 30	322	83	3.3	3.0	0.4	8.89	16.3	2.2	< 0.7	0.9	< 10	< 0.2
109058 Dup	5.69	< 5	2800	33	11	< 2	3.87	< 2	5.1	39.9	< 30	320	83	3.2	2.9	0.4	8.90	16.4	2.2	< 0.7	0.8	< 10	< 0.2
109072 Orig	7.45	< 5	< 10	40	< 3	< 2	6.77	< 2	19.6	53.9	100	4.7	123	5.4	3.3	1.4	12.3	24.4	5.6	< 0.7	1.2	< 10	< 0.2
109072 Dup	7.28	< 5	< 10	39	< 3	< 2	6.68	< 2	20.9	50.6	70	3.8	115	5.2	3.3	1.3	12.1	23.1	5.1	< 0.7	1.1	< 10	< 0.2
109080 Orig	7.32	< 5	880	27	65	13	0.31	< 2	3.4	0.3	< 30	117	< 2	0.5	0.2	< 0.1	0.67	41.7	0.5	3.2	< 0.2	< 10	< 0.2
109080 Dup	7.41	< 5	900	27	63	13	0.29	< 2	3.3	0.6	< 30	116	< 2	0.6	0.2	< 0.1	0.69	41.9	0.5	3.7	< 0.2	< 10	< 0.2
109094 Orig	6.89	< 5	20	215	< 3	< 2	6.15	< 2	34.4	55.4	< 30	7.8	831	10.7	6.8	2.6	13.9	26.1	11.1	< 0.7	2.1	< 10	< 0.2
109094 Dup	6.87	< 5	20	212	< 3	< 2	6.15	< 2	34.7	54.2	< 30	8.0	842	10.8	6.8	2.5	14.0	26.5	11.1	< 0.7	2.2	< 10	< 0.2
109100 Orig	6.71	< 5	130	28	3	< 2	6.79	< 2	13.7	75.2	120	44.5	133	4.3	2.9	1.1	11.3	22.2	4.6	< 0.7	0.9	< 10	< 0.2
109100 Split PREP DUP	6.76	< 5	100	31	< 3	< 2	7.05	< 2	14.4	77.1	110	48.8	130	4.4	2.9	1.1	11.3	21.6	4.5	< 0.7	0.9	< 10	< 0.2
109101 Orig	7.53	< 5	20	52	< 3	< 2	6.77	< 2	16.6	75.5	90	3.8	152	5.3	3.5	1.4	12.6	23.0	5.7	< 0.7	1.1	< 10	< 0.2
109101 Dup	7.41	< 5	20	54	< 3	< 2	6.98	< 2	17.5	77.4	120	3.8	156	5.4	3.5	1.3	12.6	23.1	5.5	< 0.7	1.1	< 10	< 0.2
109115 Orig	8.60	< 5	30	< 3	146	3	0.31	< 2	< 0.8	1.3	< 30	29.4	< 2	< 0.3	< 0.1	< 0.1	0.36	55.9	< 0.1	5.0	< 0.2	< 10	< 0.2
109115 Dup	8.83	< 5	30	< 3	148	3	0.34	< 2	< 0.8	2.6	< 30	30.3	< 2	< 0.3	< 0.1	< 0.1	0.35	57.4	< 0.1	5.4	< 0.2	< 10	< 0.2
109123 Orig	7.73	6	380	17	327	2	1.06	3	0.9	5.9	< 30	46.2	45	0.3	0.2	0.1	1.34	38.0	0.3	3.2	< 0.2	< 10	< 0.2
109123 Dup	7.64	< 5	400	17	353	2	1.05	4	1.0	6.0	< 30	47.6	47	< 0.3	0.2	0.1	1.34	39.7	0.3	2.7	< 0.2	< 10	< 0.2
109137 Orig	7.69	< 5	20	68	11	< 2	6.15	< 2	14.5	48.8	60	73.9	109	4.9	3.0	1.2	12.3	23.5	5.1	< 0.7	1.0	< 10	< 0.2
109137 Dup	7.74	< 5	20	69	11	< 2	5.96	< 2	15.1	51.9	100	71.3	113	5.2	3.1	1.2	12.0	24.3	5.4	< 0.7	1.0	< 10	< 0.2
109145 Orig	7.57	< 5	2310	16	116	27	1.05	< 2	3.2	6.4	< 30	35.2	30	0.6	0.3	0.2	1.60	40.0	0.5	3.4	< 0.2	< 10	< 0.2
109145 Dup	7.28	< 5	2360	16	119	24	0.95	< 2	3.2	8.5	< 30	34.9	30	0.6	0.3	0.2	1.52	40.0	0.6	2.4	< 0.2	< 10	< 0.2
109151 Orig	8.02	< 5	> 10000	25	5	< 2	3.92	5	6.9	60.1	170	37.4	196	3.8	2.6	0.7	10.00	20.4	3.4	< 0.7	0.8	< 10	< 0.2
109151 Split PREP DUP	8.39	< 5	> 10000	24	5	< 2	4.00	6	7.1	61.2	170	36.6	196	3.8	2.7	0.7	10.2	20.7	3.4	< 0.7	0.8	< 10	< 0.2

Analyte Symbol	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	Fe	Ga	Gd	Ge	Ho	Hf	In
Unit Symbol	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	5	10	3	3	2	0.01	2	0.8	0.2	30	0.1	2	0.3	0.1	0.1	0.05	0.2	0.1	0.7	0.2	10	0.2
Method Code	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
Method Blank	< 0.01						< 0.01										< 0.05						
Method Blank	< 0.01						< 0.01										< 0.05						
Method Blank	< 0.01	< 5	< 10	< 3	< 3	< 2	< 0.01	< 2	< 0.8	< 0.2	< 30	< 0.1	< 2	< 0.3	< 0.1	< 0.1	< 0.05	0.3	< 0.1	< 0.7	< 0.2	< 10	< 0.2
Method Blank	< 0.01	< 5	< 10	< 3	< 3	< 2	0.01	< 2	< 0.8	< 0.2	< 30	0.1	< 2	< 0.3	< 0.1	< 0.1	< 0.05	< 0.2	< 0.1	< 0.7	< 0.2	< 10	< 0.2
Method Blank	< 0.01						< 0.01										< 0.05						
Method Blank	< 0.01	< 5	< 10	< 3	< 3	< 2	0.07	< 2	< 0.8	< 0.2	< 30	< 0.1	< 2	< 0.3	< 0.1	< 0.1	< 0.05	0.2	< 0.1	< 0.7	< 0.2	< 10	< 0.2
Method Blank	< 0.01	< 5	< 10	< 3	< 3	< 2	0.05	< 2	< 0.8	< 0.2	< 30	< 0.1	< 2	< 0.3	< 0.1	< 0.1	< 0.05	0.4	< 0.1	< 0.7	< 0.2	< 10	< 0.2
Method Blank	< 0.01	< 5	20	< 3	< 3	< 2	0.05	< 2	< 0.8	< 0.2	< 30	< 0.1	< 2	< 0.3	< 0.1	< 0.1	< 0.05	< 0.2	< 0.1	< 0.7	< 0.2	< 10	< 0.2
Method Blank																							

Analyte Symbol	K	La	Li	Mg	Mn	Mo	Nb	Nd	Ni	Pb	Pr	Rb	S	Sb	Se	Si	Sm	Sn	Sr	Ta	Tb	Te	Th
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	0.4	3	0.01	3	1	2.4	0.4	10	0.8	0.1	0.4	0.01	2	0.8	0.01	0.1	0.5	3	0.2	0.1	6	0.1
Method Code	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
GXR-1 Meas	< 0.1	7.0	8	0.21	875	18	< 2.4	7.8	30	801		2.6	0.26	124	16.3		2.7	55.3	280	< 0.2	0.8	13	2.3
GXR-1 Cert	0.050	7.50	8.20	0.217	852	18.0	0.800	18.0	41.0	730		14.0	0.257	122	16.6		2.70	54.0	275	0.175	0.830	13.0	2.44
GXR-1 Meas	< 0.1	7.2	8	0.22	832	17	< 2.4	8.1	40	695		3.2	0.23	127	17.2		2.7	54.2	279	< 0.2	0.8	13	2.3
GXR-1 Cert	0.050	7.50	8.20	0.217	852	18.0	0.800	18.0	41.0	730		14.0	0.257	122	16.6		2.70	54.0	275	0.175	0.830	13.0	2.44
GXR-1 Meas	< 0.1			0.22									0.26										
GXR-1 Cert	0.050			0.217									0.257										
NIST 696 Meas																							
NIST 696 Cert																							
NIST 696 Meas																							
NIST 696 Cert																							
GBW 07239 (NCS DC 70007) Meas		40.4			> 10000	1160		32.0	40	28.8	8.5							32.8					
GBW 07239 (NCS DC 70007) Cert		37.4			11540.000	1100		29.8	20.9	26.1	7.40							33.2					
GBW 07238 (NCS DC 70006) Meas					> 10000	> 10000		12.2	30	12.6								94.5					
GBW 07238 (NCS DC 70006) Cert					10840.000	15100		11.3	17.8	18.7								86.7					
OREAS 131a (Fusion) Meas										> 5000			4.40	47									
OREAS 131a (Fusion) Cert										17400.00			4.82	49									
OREAS 131a (Fusion) Meas										> 5000			4.80	48									
OREAS 131a (Fusion) Cert										17400.00			4.82	49									
MP-1b Meas				0.03		282				> 5000			13.5	49		16.8		> 10000					
MP-1b Cert				0.024		285				20900			13.79	54.0		16.79		16100					
MP-1b Meas				0.02		289				> 5000			13.4	50		16.6		> 10000					
MP-1b Cert				0.024		285				20900			13.79	54.0		16.79		16100					
MP-1b Meas						303				> 5000				53				> 10000					
MP-1b Cert						285				20900				54.0				16100					
OREAS 101a (Fusion) Meas	2.2	727		1.20	942	19		371		4.2	120						45.1				5.3		33.1
OREAS 101a (Fusion) Cert	2.34	816		1.23	964	21.9		403		19	134						48.8				5.92		36.6
OREAS 101a (Fusion) Meas	2.6	900		1.33	979	23		445		5.3	146						54.9				6.5		38.4
OREAS 101a (Fusion) Cert	2.34	816		1.23	964	21.9		403		19	134						48.8				5.92		36.6
OREAS 101a (Fusion) Meas	2.2	782		1.23	955	19		409		10.9	135						48.0				5.9		37.3
OREAS 101a (Fusion) Cert	2.34	816		1.23	964	21.9		403		19	134						48.8				5.92		36.6

Analyte Symbol	K	La	Li	Mg	Mn	Mo	Nb	Nd	Ni	Pb	Pr	Rb	S	Sb	Se	Si	Sm	Sn	Sr	Ta	Tb	Te	Th
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	0.4	3	0.01	3	1	2.4	0.4	10	0.8	0.1	0.4	0.01	2	0.8	0.01	0.1	0.5	3	0.2	0.1	6	0.1
Method Code	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
OREAS 13b (fusion) Meas	2.3			3.04									1.19			23.1							
OREAS 13b (fusion) Cert	2.30			3.01									1.19			22.9							
OREAS 13b (fusion) Meas	2.6			3.29									1.17			26.0							
OREAS 13b (fusion) Cert	2.30			3.01									1.19			22.9							
OREAS 13b (fusion) Meas	2.3			3.08									1.20			23.3							
OREAS 13b (fusion) Cert	2.30			3.01									1.19			22.9							
NCS DC86303 Meas			2110									1300											
NCS DC86303 Cert			2100.00									1330											
NCS DC86314 Meas			> 10000									> 5000						145					
NCS DC86314 Cert			18100.00									11400						152					
NCS DC86314 Meas			> 10000									> 5000						165					
NCS DC86314 Cert			18100.00									11400						152					
OREAS 922 (Peroxide Fusion) Meas	2.5	50.5	29	1.63	908		14.2	41.7	40	69.4	11.5	188	0.36			> 30.0	7.8	11.9	66	1.3	1.2		19.2
OREAS 922 (Peroxide Fusion) Cert	2.60	45.6	28.8	1.61	880		15.2	38.9	43.4	64.0	10.6	167	0.389			30.51	7.31	10.0	58.0	1.33	1.02		17.7
OREAS 621 (Peroxide Fusion) Meas	2.1	25.1		0.51	541	13	7.1	19.4		> 5000	5.4	83.6	4.44	133		26.7			91				7.7
OREAS 621 (Peroxide Fusion) Cert	2.23	26.1		0.516	554	13.5	10.4	24.2		13300	6.64	89.0	4.51	146		28.1			101				8.56
OREAS 621 (Peroxide Fusion) Meas	2.6	28.4		0.55	580	14	8.6	22.7		> 5000	6.1	86.4	4.49	147		> 30.0			98				8.8
OREAS 621 (Peroxide Fusion) Cert	2.23	26.1		0.516	554	13.5	10.4	24.2		13300	6.64	89.0	4.51	146		28.1			101				8.56
OREAS 621 (Peroxide Fusion) Meas	2.2			0.51									4.56			27.4							
OREAS 621 (Peroxide Fusion)	2.23			0.516									4.51			28.1							

Analyte Symbol	K	La	Li	Mg	Mn	Mo	Nb	Nd	Ni	Pb	Pr	Rb	S	Sb	Se	Si	Sm	Sn	Sr	Ta	Tb	Te	Th
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	0.4	3	0.01	3	1	2.4	0.4	10	0.8	0.1	0.4	0.01	2	0.8	0.01	0.1	0.5	3	0.2	0.1	6	0.1
Method Code	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
Cert																							
109007 Orig	2.0	4.3	1440	3.02	2110	< 1	3.8	8.4	30	20.5	1.7	3230	0.20	< 2	4.5	23.4	2.5	35.0	92	0.5	0.8	< 6	0.5
109007 Dup	2.0	4.6	1400	3.02	2070	1	3.8	8.4	90	19.8	1.7	3150	0.20	< 2	2.8	23.3	2.5	34.0	90	0.5	0.8	< 6	0.8
109015 Orig	0.3	6.5	2530	4.59	1930	< 1	< 2.4	8.1	80	< 0.8	1.7	38.2	0.14	< 2	2.3	24.0	2.3	0.8	63	< 0.2	0.7	< 6	0.2
109015 Dup	0.3	5.3	2460	4.56	1900	< 1	< 2.4	8.2	80	< 0.8	1.7	37.5	0.14	< 2	2.3	23.7	2.3	< 0.5	62	< 0.2	0.7	< 6	0.2
109029 Orig	< 0.1	< 0.4	4	1.77	29	< 1	< 2.4	< 0.4	< 10	< 0.8	< 0.1	< 0.4	0.11	< 2	1.2	0.13	< 0.1	1.5	3810	< 0.2	< 0.1	< 6	< 0.1
109029 Dup	< 0.1	< 0.4	3	1.77	27	< 1	< 2.4	< 0.4	< 10	< 0.8	< 0.1	< 0.4	0.11	< 2	< 0.8	0.11	< 0.1	< 0.5	3820	< 0.2	< 0.1	< 6	< 0.1
109037 Orig	0.3	4.5	371	2.77	2020	< 1	3.0	8.8	30	< 0.8	1.8	26.9	0.25	< 2	2.8	24.0	2.5	1.3	39	< 0.2	0.8	< 6	0.4
109037 Dup	0.3	4.5	369	2.75	2010	< 1	2.6	8.7	30	< 0.8	1.8	26.6	0.25	< 2	< 0.8	23.7	2.6	1.1	39	< 0.2	0.8	< 6	0.4
109049 Orig	2.0	< 0.4	6660	0.02	357	6	92.2	< 0.4	20	1.0	< 0.1	1660	< 0.01	< 2	7.5	> 30.0	< 0.1	126	25	119	< 0.1	< 6	2.2
109049 Dup	2.0	< 0.4	6840	0.02	359	7	95.8	< 0.4	20	2.6	< 0.1	1680	< 0.01	< 2	< 0.8	> 30.0	< 0.1	133	25	135	< 0.1	< 6	2.1
109050 Orig	0.2	5.1	142	2.53	2020	< 1	3.4	8.8	30	< 0.8	1.9	25.2	0.09	< 2	2.1	24.8	2.3	6.8	68	< 0.2	0.8	< 6	0.4
109050 Split PREP DUP	0.2	5.1	141	2.54	2040	< 1	2.8	9.1	30	1.5	1.9	24.9	0.08	< 2	1.0	24.9	2.5	7.8	68	< 0.2	0.8	< 6	0.4
109058 Orig	0.4	1.9	1360	3.07	1480	< 1	5.4	4.0	30	< 0.8	0.8	378	0.20	< 2	2.3	29.4	1.2	28.7	51	6.9	0.5	< 6	0.1
109058 Dup	0.8	1.9	1390	3.04	1500	< 1	4.7	3.8	30	< 0.8	0.8	382	0.19	< 2	2.2	28.5	1.2	28.9	49	5.7	0.4	< 6	0.1
109072 Orig	0.3	7.5	1240	3.15	1800	< 1	6.0	13.9	90	< 0.8	2.9	66.0	0.20	< 2	3.1	23.0	3.9	0.8	151	0.3	1.0	< 6	0.6
109072 Dup	0.3	8.7	1180	3.11	1700	< 1	11.6	14.9	50	< 0.8	2.9	61.1	0.20	< 2	2.3	22.8	3.7	169	145	17.0	0.9	< 6	6.4
109080 Orig	2.8	1.3	123	0.05	370	< 1	55.7	1.8	20	4.5	0.5	1310	< 0.01	< 2	< 0.8	> 30.0	0.4	79.1	15	20.7	0.1	< 6	3.7
109080 Dup	2.9	1.3	120	0.05	357	< 1	56.6	1.8	10	6.2	0.5	1300	< 0.01	< 2	< 0.8	> 30.0	0.4	80.2	14	20.1	0.1	< 6	3.6
109094 Orig	0.4	13.2	202	1.96	2030	< 1	8.2	25.7	20	11.6	5.2	18.3	1.52	< 2	7.9	22.6	7.6	2.2	219	1.4	1.8	< 6	1.1
109094 Dup	0.4	13.2	213	1.97	2030	< 1	8.5	25.6	< 10	4.4	5.2	18.9	1.52	< 2	5.3	22.5	7.6	2.1	213	1.2	1.8	< 6	1.2
109100 Orig	0.3	5.8	860	3.79	1710	6	4.4	10.0	460	8.3	2.0	223	0.07	< 2	4.2	23.2	3.1	8.2	265	14.3	0.7	< 6	0.5
109100 Split PREP DUP	0.3	5.9	827	3.82	1680	5	3.8	10.0	460	4.1	2.1	214	0.08	< 2	3.1	23.5	2.9	5.9	270	15.1	0.7	< 6	0.4
109101 Orig	0.2	6.6	360	3.77	1930	5	3.9	12.4	340	< 0.8	2.4	13.6	0.16	< 2	2.8	22.4	3.6	1.8	144	9.3	0.9	< 6	0.6
109101 Dup	0.2	6.7	366	3.73	1980	6	4.2	12.8	360	< 0.8	2.5	13.6	0.15	< 2	3.3	22.1	3.7	1.9	147	8.9	0.9	< 6	0.6
109115 Orig	0.9	< 0.4	2960	0.01	973	< 1	80.8	< 0.4	60	< 0.8	< 0.1	714	< 0.01	< 2	< 0.8	> 30.0	0.2	106	16	44.7	< 0.1	< 6	2.2
109115 Dup	0.9	< 0.4	3050	0.01	988	< 1	77.3	< 0.4	70	< 0.8	< 0.1	736	< 0.01	< 2	2.0	> 30.0	0.3	122	18	42.0	< 0.1	< 6	2.2
109123 Orig	2.8	< 0.4	330	0.24	531	141	51.0	0.6	30	9.2	0.1	1270	0.11	< 2	< 0.8	> 30.0	0.4	170	28	28.2	< 0.1	< 6	3.6
109123 Dup	2.8	< 0.4	353	0.24	551	132	51.3	0.4	30	9.3	0.1	1320	0.12	< 2	< 0.8	> 30.0	0.4	189	29	28.2	< 0.1	< 6	4.4
109137 Orig	0.9	5.5	549	3.35	1400	< 1	4.5	10.8	80	< 0.8	2.2	355	0.13	< 2	< 0.8	25.6	3.6	8.5	139	2.5	0.8	< 6	0.5
109137 Dup	0.9	5.8	572	3.27	1470	< 1	4.6	11.5	100	< 0.8	2.2	366	0.10	< 2	< 0.8	25.3	3.4	7.2	145	1.2	0.8	< 6	0.5
109145 Orig	0.1	1.4	99	0.32	731	74	33.6	1.9	30	< 0.8	0.4	63.7	0.14	< 2	< 0.8	> 30.0	0.6	14.9	66	21.2	< 0.1	< 6	1.7
109145 Dup	0.1	1.3	99	0.30	726	70	35.1	1.9	50	< 0.8	0.4	62.8	0.12	< 2	1.9	> 30.0	0.7	12.4	64	22.7	< 0.1	< 6	1.6
109151 Orig	0.2	2.5	1500	6.20	1610	< 1	2.7	5.6	90	32.2	1.1	82.8	0.27	< 2	< 0.8	22.4	2.1	11.9	67	1.7	0.6	< 6	0.3
109151 Split PREP DUP	0.2	2.6	1460	6.32	1630	< 1	< 2.4	5.6	100	30.1	1.1	83.6	0.29	< 2	< 0.8	22.6	2.0	12.1	70	2.0	0.6	< 6	0.3
Method Blank	< 0.1			< 0.01									< 0.01			< 0.01							
Method Blank	< 0.1			< 0.01									< 0.01			< 0.01							
Method Blank	< 0.1	< 0.4	< 3	< 0.01	< 3	< 1	< 2.4	< 0.4	10	1.6	< 0.1	< 0.4	< 0.01	< 2	< 0.8	< 0.01	< 0.1	0.7	< 3	< 0.2	< 0.1	< 6	< 0.1

Analyte Symbol	K	La	Li	Mg	Mn	Mo	Nb	Nd	Ni	Pb	Pr	Rb	S	Sb	Se	Si	Sm	Sn	Sr	Ta	Tb	Te	Th
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	0.4	3	0.01	3	1	2.4	0.4	10	0.8	0.1	0.4	0.01	2	0.8	0.01	0.1	0.5	3	0.2	0.1	6	0.1
Method Code	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2
Method Blank	< 0.1	< 0.4	< 3	< 0.01	< 3	< 1	< 2.4	< 0.4	10	< 0.8	< 0.1	0.5	< 0.01	< 2	< 0.8	< 0.01	< 0.1	< 0.5	< 3	< 0.2	< 0.1	< 6	< 0.1
Method Blank	< 0.1			< 0.01									< 0.01			< 0.01							
Method Blank	< 0.1	< 0.4	< 3	< 0.01	< 3	< 1	< 2.4	< 0.4	< 10	3.7	< 0.1	< 0.4	< 0.01	< 2	< 0.8	< 0.01	0.1	0.7	< 3	< 0.2	< 0.1	< 6	< 0.1
Method Blank	< 0.1	< 0.4	< 3	< 0.01	< 3	< 1	< 2.4	< 0.4	< 10	< 0.8	< 0.1	< 0.4	< 0.01	< 2	< 0.8	< 0.01	< 0.1	< 0.5	< 3	< 0.2	< 0.1	< 6	< 0.1
Method Blank	< 0.1	< 0.4	< 3	< 0.01	< 3	< 1	< 2.4	< 0.4	< 10	< 0.8	< 0.1	< 0.4	< 0.01	< 2	< 0.8	< 0.01	< 0.1	< 0.5	< 3	< 0.2	< 0.1	< 6	< 0.1
Method Blank																							

Analyte Symbol	Ti	Tl	Tm	U	V	W	Y	Yb	Zn	Li
Unit Symbol	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	0.01	0.1	0.1	0.1	5	0.7	0.1	0.1	30	0.01
Method Code	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2
GXR-1 Meas	0.03	0.3	0.4	33.2	83	181	28.0	2.0	840	
GXR-1 Cert	0.036	0.390	0.430	34.9	80.0	164	32.0	1.90	760	
GXR-1 Meas	0.03	0.3	0.4	33.1	81	166	28.5	2.0	790	
GXR-1 Cert	0.036	0.390	0.430	34.9	80.0	164	32.0	1.90	760	
GXR-1 Meas	0.03									
GXR-1 Cert	0.036									
NIST 696 Meas					368					
NIST 696 Cert					403.0000					
NIST 696 Meas					379					
NIST 696 Cert					403.0000					
GBW 07239 (NCSDC 70007) Meas						1100	36.4		130	
GBW 07239 (NCSDC 70007) Cert						1000.00	34.2		120.000	
GBW 07238 (NCSDC 70006) Meas						3510	12.4		70	
GBW 07238 (NCSDC 70006) Cert						3600	11.4		65.5	
OREAS 131a (Fusion) Meas									> 10000	
OREAS 131a (Fusion) Cert									28400.00	
OREAS 131a (Fusion) Meas									> 10000	
OREAS 131a (Fusion) Cert									28400.00	
MP-1b Meas						1110			> 10000	
MP-1b Cert						1100.000			166700.00	
MP-1b Meas						1040			> 10000	
MP-1b Cert						1100.000			166700.00	
MP-1b Meas						1110			> 10000	
MP-1b Cert						1100.000			166700.00	
OREAS 101a (Fusion) Meas	0.40		2.7	390	77		162	15.4		
OREAS 101a (Fusion) Cert	0.395		2.90	422	83		183	17.5		
OREAS 101a (Fusion) Meas	0.42		3.2	457	82		185	18.1		
OREAS 101a	0.395		2.90	422	83		183	17.5		

Analyte Symbol	Ti	Tl	Tm	U	V	W	Y	Yb	Zn	Li
Unit Symbol	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	0.01	0.1	0.1	0.1	5	0.7	0.1	0.1	30	0.01
Method Code	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2
(Fusion) Cert										
OREAS 101a (Fusion) Meas	0.41		2.9	430	80		182	16.4		
OREAS 101a (Fusion) Cert	0.395		2.90	422	83		183	17.5		
OREAS 13b (fusion) Meas	0.73									
OREAS 13b (fusion) Cert	0.711									
OREAS 13b (fusion) Meas	0.76									
OREAS 13b (fusion) Cert	0.711									
OREAS 13b (fusion) Meas	0.73									
OREAS 13b (fusion) Cert	0.711									
NCS DC86303 Meas						7.7				0.21
NCS DC86303 Cert						8.9				0.21
NCS DC86314 Meas						76.3				1.72
NCS DC86314 Cert						79.0				1.81
NCS DC86314 Meas						76.8				
NCS DC86314 Cert						79.0				
OREAS 922 (Peroxide Fusion) Meas	0.45	0.9	0.5	3.9	99		33.4	3.0	300	< 0.01
OREAS 922 (Peroxide Fusion) Cert	0.439	0.880	0.510	3.59	92.0		31.1	3.17	277	0.00288
OREAS 621 (Peroxide Fusion) Meas	0.19	1.9		2.7	35	< 0.7	12.4	0.9	> 10000	
OREAS 621 (Peroxide Fusion) Cert	0.181	1.99		3.00	36.3	2.63	13.9	1.03	52200	
OREAS 621 (Peroxide Fusion) Meas	0.20	2.0		2.9	37	1.1	13.2	1.0	> 10000	
OREAS 621 (Peroxide Fusion)	0.181	1.99		3.00	36.3	2.63	13.9	1.03	52200	

Analyte Symbol	Ti	Tl	Tm	U	V	W	Y	Yb	Zn	Li
Unit Symbol	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	0.01	0.1	0.1	0.1	5	0.7	0.1	0.1	30	0.01
Method Code	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2
Cert										
OREAS 621 (Peroxide Fusion) Meas	0.19									
OREAS 621 (Peroxide Fusion) Cert	0.181									
109007 Orig	0.69	29.9	0.6	2.0	333	4.1	31.8	3.3	180	
109007 Dup	0.69	29.6	0.6	2.0	323	1.5	31.5	3.3	180	
109015 Orig	0.58	0.4	0.5	0.2	336	< 0.7	28.5	2.9	190	
109015 Dup	0.58	0.4	0.5	0.3	331	< 0.7	28.3	2.8	180	
109029 Orig	< 0.01	< 0.1	< 0.1	1.5	< 5	< 0.7	< 0.1	< 0.1	< 30	
109029 Dup	< 0.01	< 0.1	< 0.1	1.6	< 5	< 0.7	< 0.1	< 0.1	< 30	
109037 Orig	0.69	0.4	0.5	0.3	339	1.2	30.2	3.1	160	
109037 Dup	0.69	0.4	0.5	0.3	341	< 0.7	30.2	3.1	150	
109049 Orig	< 0.01	13.2	< 0.1	5.6	< 5	1.7	< 0.1	< 0.1	210	
109049 Dup	< 0.01	13.3	< 0.1	6.2	< 5	2.1	< 0.1	< 0.1	190	
109050 Orig	0.68	0.3	0.5	0.2	339	4.5	31.3	3.1	130	
109050 Split PREP DUP	0.70	0.2	0.6	0.2	353	7.4	32.2	3.2	140	
109058 Orig	0.34	2.9	0.5	0.3	250	4.7	23.9	3.0	120	
109058 Dup	0.34	2.9	0.5	0.2	249	2.5	23.8	3.0	110	
109072 Orig	1.11	0.6	0.5	0.2	377	< 0.7	30.8	2.7	140	
109072 Dup	1.10	0.5	0.5	5.4	355	33.5	29.0	2.5	130	
109080 Orig	0.02	9.7	< 0.1	6.4	< 5	3.9	3.1	0.2	80	
109080 Dup	0.02	9.6	< 0.1	6.4	< 5	2.9	3.0	0.2	80	
109094 Orig	1.18	< 0.1	0.9	0.4	154	2.1	57.7	5.6	160	
109094 Dup	1.20	< 0.1	1.0	0.4	155	0.9	57.1	5.6	160	
109100 Orig	0.78	2.1	0.4	0.5	277	49.7	24.3	2.3	140	
109100 Split PREP DUP	0.78	2.1	0.4	0.5	274	49.0	24.4	2.3	130	
109101 Orig	0.91	< 0.1	0.5	0.2	313	33.1	29.5	2.8	160	
109101 Dup	0.90	< 0.1	0.5	0.3	313	30.2	30.2	3.0	170	
109115 Orig	< 0.01	4.4	< 0.1	13.9	< 5	9.5	0.9	< 0.1	100	
109115 Dup	< 0.01	4.6	< 0.1	14.2	< 5	10.6	0.9	< 0.1	100	
109123 Orig	0.05	9.7	< 0.1	17.8	28	42.7	2.3	0.1	230	
109123 Dup	0.05	9.9	< 0.1	21.0	28	45.0	2.5	0.1	240	
109137 Orig	1.02	2.8	0.4	0.6	310	4.1	26.6	2.4	150	
109137 Dup	1.01	2.9	0.4	0.6	327	0.7	27.8	2.5	130	
109145 Orig	0.06	0.4	< 0.1	7.5	24	4.0	4.1	0.3	80	
109145 Dup	0.05	0.3	< 0.1	7.3	24	5.9	4.1	0.2	80	
109151 Orig	0.57	0.6	0.4	10.2	286	3.1	21.9	2.4	300	

Analyte Symbol	Ti	Tl	Tm	U	V	W	Y	Yb	Zn	Li
Unit Symbol	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	0.01	0.1	0.1	0.1	5	0.7	0.1	0.1	30	0.01
Method Code	FUS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-MS-Na2O2	FUS-Na2O2
109151 Split PREP DUP	0.59	0.7	0.4	12.2	289	4.5	22.5	2.2	300	
Method Blank	< 0.01									
Method Blank	< 0.01									
Method Blank	< 0.01	< 0.1	< 0.1	0.2	< 5	< 0.7	< 0.1	< 0.1	< 30	
Method Blank	< 0.01	< 0.1	< 0.1	0.3	< 5	1.1	< 0.1	< 0.1	< 30	
Method Blank	< 0.01									
Method Blank	< 0.01	< 0.1	< 0.1	0.3	< 5	< 0.7	0.9	< 0.1	< 30	
Method Blank	< 0.01	< 0.1	< 0.1	0.3	< 5	< 0.7	0.6	< 0.1	< 30	
Method Blank	< 0.01	< 0.1	< 0.1	0.2	< 5	< 0.7	0.6	< 0.1	< 30	
Method Blank										< 0.01