

**BC Geological Survey
Assessment Report
32959**

**DRILLING REPORT
on the
MYOFF CREEK PROPERTY**

Kamloops Mining Division
NTS 82M/07W / TRIM: 082M.037
Latitude 51°21' N Longitude 118°44' W
Northing: 5690716 / Easting: 379073 / Elev: 1375m
UTM Zone 11 NAD83

for
INTERNATIONAL BETHLEHEM MINING CORPORATION
2489 Bellevue Avenue
West Vancouver, B.C. V7V 1E1

and

Warner Gruenwald
8055 Aspen Road,
Vernon, B.C. V1B 3M9

by

Gordon Gibson, Geologist
Mar 19, 2012

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INTRODUCTION

LOCATION, ACCESS AND PHYSIOGRAPHY

The Myoff Creek property is located in the northern Monashee Mountains of southeastern British Columbia in the Ratchford and Anstey Ranges, east of the Seymour River. The property straddles Ratchford Creek on the broad northwest-trending ridge axis through Mount Grace about 26 air kilometers north-northeast of the community of Seymour Arm on Shuswap Lake. Access to Seymour Arm is via. 41 km of private radio-controlled logging roads (Seymour Main FSR; freq. 157.32 Hz.) originating at St. Ives approximately 5 km east of Anglemont. Anglemont in turn is serviced by 53 km of paved road connecting with the Trans Canada Highway 10 km east of Chase.

The 1100 logging road originating near Seymour Arm and extending up the Seymour River passes close to the western boundary of the Myoff Creek property. The North Fork Road and secondary roads extend into the central portion of the claims. Permanent helicopter bases at Revelstoke 60 kilometers to the southeast, provide the best means of air access to the Myoff Creek property.

Refer to Figure 1 for location and access.

Elevations on and near the claims vary from approximately 730 meters in Ratchford Creek to 1,985 meters at the summit of Mount Grace. The western and southern flanks of Mount Grace are gentle subalpine slopes covered by a thin veneer of till. Below a tree line at approximately 1,675 meters bedrock exposure is minimal—hillsides are clothed in mature stands of cedar, hemlock, balsam and spruce with locally prolific devil's club and slide alder.

Climate is that of the Interior Rain Belt with temperatures ranging between -15° and +30°C. Annual precipitation averages 115 centimeters; snowpack can be as deep as several meters.

CLAIMS AND OWNERSHIP

All claims are located in the Kamloops Mining Division. Twenty-one (21) of the 25 claims comprising the Myoff Creek property are 100% owned by International Bethlehem Mining Corporation of 2489 Bellevue Avenue, West Vancouver, B.C. V7V 1E1 and the remaining four (4) claims are 100% owned by Warner Gruenwald of 8055 Aspen Rd., Vernon, B.C. V1B 3M9. Operator on the property is International Bethlehem Mining Corporation under the terms of an option agreement with Gruenwald, see Figure 2.

Myoff Creek Location Map



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Updated: Dec 05, 2011

TSX-V: **IBC**
INTERNATIONAL BETHLEHEM
MINING CORPORATION

TSX-V: **IBC**
INTERNATIONAL BETHLEHEM
MINING CORPORATION

IBC Claims

10

1470500 .000000

1570500

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A green rectangular sign with white text that reads "Eneas Lakes Provincial Park". A small circular logo with the letters "P" and "gp" is positioned above the word "Provincial".

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16

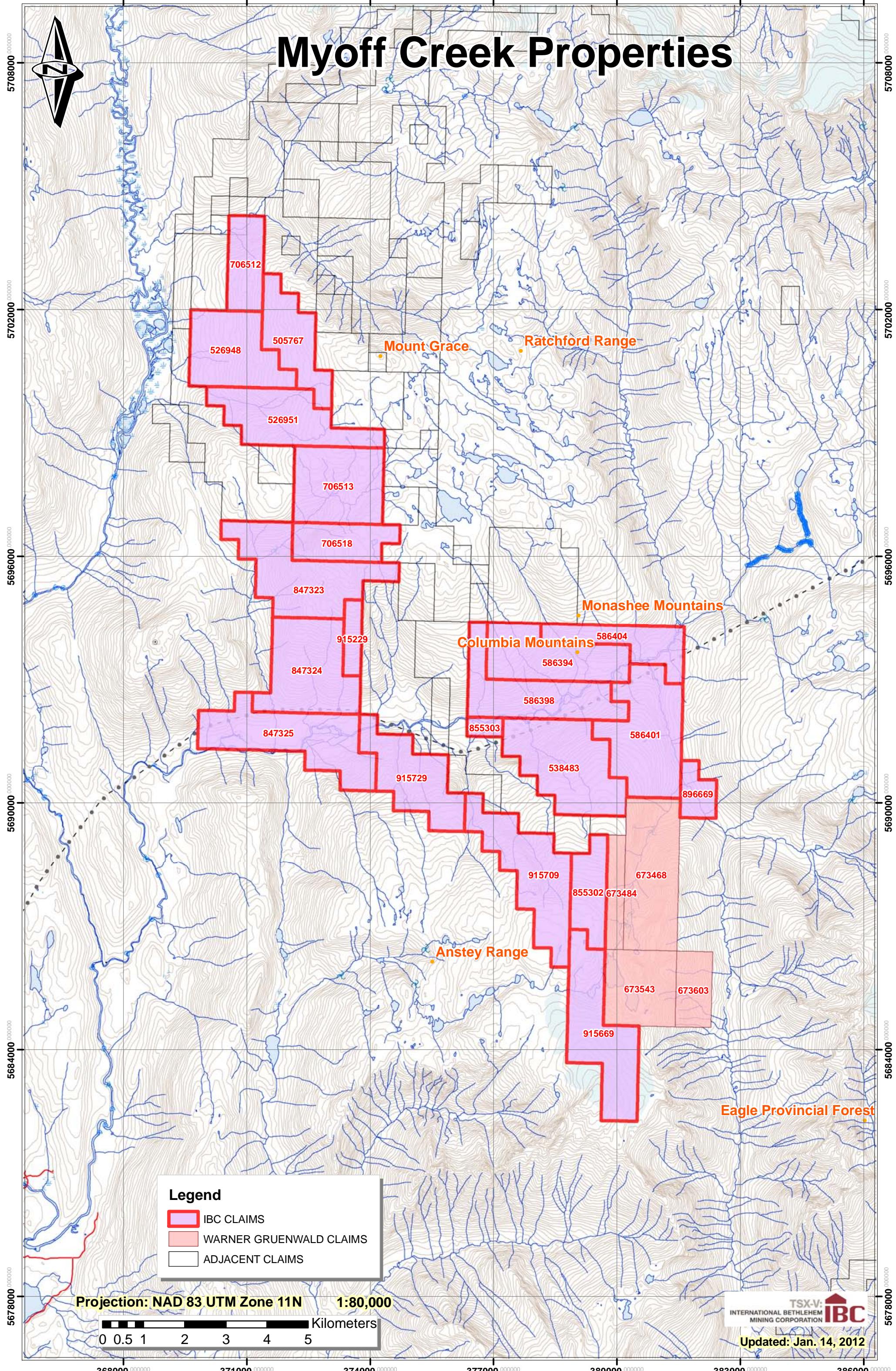
50

1:1,000,000

Kilometre

100

Myoff Creek Properties



Tenure Number	Claim Name	Area (Ha)	Owner ID	Percent Ownership	Good to Date
505767	Big Cotton #6	282.00	137058	100.0	2011/nov/02
526948	Big Cotton #7	382.74	137058	100.0	2011/nov/02
526951	Big Cotton #8	403.01	137058	100.0	2011/nov/02
538483	MC 1	504.57	137058	100.0	2011/nov/30
586394	PERRY	383.28	137058	100.0	2011/nov/30
586398	PERRY2	403.52	137058	100.0	2011/nov/30
586401	PERRY3	504.49	137058	100.0	2011/nov/30
586404	PERRY4	242.05	137058	100.0	2011/nov/30
673468		484.64	110489	100.0	2011/nov/15
673484		121.17	110489	100.0	2011/nov/15
673543		323.27	110489	100.0	2011/nov/15
673603		161.64	110489	100.0	2011/nov/15
706512	MYOFF2	201.36	137058	100.0	2012/feb/18
706513	BIG COTTON 4	403.14	137058	100.0	2012/feb/18
706518	BIG COTTON 5	221.78	137058	100.0	2012/feb/18
847323	COTTONBELT-DEEP1	504.12	137058	100.0	2012/feb/24
847324		464.01	137058	100.0	2012/feb/24
847325		504.53	137058	100.0	2012/feb/24
855302		201.96	137058	100.0	2012/may/20
855303		40.36	137058	100.0	2012/may/20
896669	MYOFF CREEK CAMP	100.93	137058	100.0	2012/sep/13
915229	BIG COTTON FILL IN	80.69	137058	100.0	2012/oct/24
915669	PERRY SW 1	464.81	137058	100.0	2012/oct/14
915709	PERRY SW 2	464.46	137058	100.0	2012/oct/14
915729	PERRY SW 3	363.32	137058	100.0	2012/oct/14

List of claims, International Bethlehem Mining Corp (137058) and Warner Gruenwald (110489),
Myoff Creek property

PREVIOUS WORK

In 1983 Duval International Corporation completed geological mapping, prospecting and sampling over a three kilometre strike length of the carbonatite in the claim area. Duval collected 469 soil, 72 rock and 15 stream sediment samples during their exploration program. There were several highly anomalous areas outlined and the rock samples were highly anomalous in niobium,

tantalum, cerium, lanthanum and neodymium, with the highest values being 2,400 ppm Nb, 72 ppm Ta, 9,890 ppm Ce, 6,965 ppm La and 330 ppm Nd.

The 1983 rock samples were analyzed for uranium and thorium and are well below the provincial moratorium threshold of 0.05% uranium or 0.15% thorium. The average of the 21 rock samples tested was 0.0022% Th and 0.00013% U.

In 1988 Teck Explorations Limited completed stream silt sampling (89 samples) from four drainages, 17.85 line kilometres of magnetometer surveying, 15.35 line kilometres of spectrometer/scintillometer surveying and 749 metres of trenching. The trenches were dug with a Cat 225 excavator, mapped and then sampled with 282 rock channel samples being collected. The best niobium values were from trench ATR-2 of 0.19% Nb over a width of 55 metres. Carbonatite that was excavated in all trenches averaged 0.13% Nb. Cerium and lanthanum were all highly anomalous but the values were not plotted. The rock samples were not analyzed for tantalum or neodymium.

In 2001 Cross Lake Minerals rehabilitated 8 kilometres of secondary logging roads, completed 346 metres (2,595 cubic metres) of trenching, and took 73 rock channel samples, which included 15 samples submitted as duplicates to a second lab. Results can be summarized as follows:

Trench #	Carbonatite width (m)	Nb ₂ O ₅ (ppm)	Ta ₂ O ₅ (ppm)	Ce ₂ O ₅ (ppm)	La ₂ O ₃ (ppm)	Nd ₂ O ₃ (ppm)
MT-01-1	50.8	1411.9	30.0	832.3	424.1	325.0
MT-01-2	50.0	950.7	28.0	536.5	52.0	232.4
MT-01-3	56.0	1063.9	34.6	595.1	310.1	255.6
MT-01-4	120.0	1659.2	37.8	834.8	451.0	336.5

A program of detailed geological mapping and prospecting followed (1,500 hectares) in which 15 samples of intrusive and 21 samples of extrusive carbonatite were collected and analysed. In an effort to follow up the highest tantalum value (123 ppm) returned by the mapping, a 35 metre continuous sawn channel sample (7 five metre samples) was cut in natural exposures of the carbonatite north of trench MT-01-1 where it crosses a fast-flowing creek on the steep slopes south of Ratchford Creek. In addition, limited petrographic studies were undertaken (2 samples for thin section) as was a mineralogical examination of heavy mineral concentrates (6 assay pulps).

On June 25, 2010 personnel of International Bethlehem conducted a helicopter reconnaissance of the Myoff Creek property in order to ascertain the current condition of secondary logging roads into the property and the status of two bridge crossings of Myoff Creek and its tributaries. The northernmost trench (MT-01-1) of previous exploration programs by Duval, Teck and Cross Lake was visited and sampled in detail. A total of 7 rock channel and grab samples were taken and submitted to ALS-Chemex labs of North Vancouver for 38 element fusion ICP-MS (ME-MS81)

and whole rock (ME-ICP06 and OA-GRA05) analyses. Results confirmed the generally erratic distribution of the elements of economic interest in the host carbonatite, suggesting an enrichment of Nb, Ta, and to some extent Ce, La and Nd, in the central and hanging wall portions of the zone.

ASSESSMENT WORK IN 2011

In 2011 International Bethlehem established 2 temporary bailey bridge crossings of Myoff Creek and its main tributary, refurbished 11 km of previously decommissioned logging roads, and built 700 m of drill access trails. A total of 1,134 m of NQ2 core drilling was successfully completed in 8 holes from 6 prepared drillpad locations, see Figure 4. The drill contractor was FB Drilling of Cranbrook, B.C. using a skid mounted EF-50 drill, Kobelco ED195 excavator, Dresser TD-15E caterpillar tractor, and hiab-equipped transport, see Photo 1.

Drilling operations were conducted from a temporary trailer and tent camp established on the property to accommodate two 2-man drill crews (10 hour shifts) supported by a geologist, drill foreman, expeditor and cook, see Photo 2. Fieldwork commenced on August 06 and all equipment was demobilized from the property by September 16, 2011. Bridge removal and site rehabilitation were completed by October 24, 2011.

All core was removed to a processing facility at Hamilton Machining & Fabricating Ltd. in Burnaby, B.C. for cutting and sampling. A total of 602 samples (including 12 standards and 12 blanks) were submitted to Actlabs in Ancaster, ON for their Code 8-REE ICP/MS and Code 8 Nb₂O₅ fusion-XRF analyses. After cutting and sampling the core was moved to secure facilities at International Bethlehem's corporate head offices in West Vancouver and to the Department of Earth and Ocean Sciences (EOS) at the University of British Columbia in Vancouver for logging, thin section and SEM petrography.

GEOLOGICAL SETTING

REGIONAL GEOLOGY

The Myoff Creek property lies within the Shuswap Metamorphic Complex—a belt of high-grade and intensely deformed metamorphic and intrusive rocks in the core of the Columbian Orogen in southeastern B.C. The Shuswap Complex, along its eastern margin, is characterized by a series of fault-bounded domal culminations that expose mixed paragneiss, granitic gneiss and migmatite of Paleoproterozoic age, see Figure 4. Unconformably overlying the gneissic "core complexes", a heterogeneous and very distinctive assemblage of calc-silicate gneiss, pelitic gneiss, quartzite and marble of Meso to Paleoproterozoic age is host to several important stratabound lead-zinc deposits in the area. The COTTONBELT deposit located about 15 kilometres northwest of the Myoff Creek property is one of these, occupying a position along the northwestern flank of Frenchman Cap gneiss dome. Further south, the JORDAN RIVER and BIG LEDGE deposits reside in stratigraphy that is broadly correlative with the COTTONBELT host sequence.

Core gneisses together with their overlying metasedimentary cover (Monashee Complex) have been overridden along the Monashee Décollement and Columbia River Fault by the Selkirk Allochthon (Read and Brown, 1981).

The Mount Grace carbonatite, intrusive carbonatites and bodies of synenite gneiss occur within autochthonous paragneiss above the core gneisses of the Frenchman Cap dome.

There are two types of carbonatite recognized in the area. Type I, the intrusive phase and Type II, the extrusive phase. Although rarely seen in contact, the Type I carbonatite has been proposed as a feeder to the widespread Type II pyroclastic flow represented by the Mount Grace carbonatite (Hoy, 1987). All of the regional tantalum, niobium and Rare Earth occurrences of record are associated with the intrusive Type I phase. The Type II phase rarely if ever carries minerals of economic importance.

The Type I carbonatite (known as the REN carbonatite) is located on the southern half of the property on the south side of Ratchford Creek. The carbonatite is a semi-concordant sheet like intrusion and has been traced by mapping and trenching for approximately three kilometers. It varies in width from less than 10 to 200 metres. The carbonatite strikes generally northwest-southeast and dips from 25 to 45 degrees southwest. The rock weathers to a rough textured, mottled orange brown color. It consists of 60-80% calcite, 10-30% apatite, biotite/phlogopite, and accessory amphibole, pyroxene, and sphene with minor pyrrhotite, pyrite, magnetite, ilmenite, molybdenite, chalcopyrite, pyrochlore and monazite. Extensive zones of mafic biotite-rich pyroxene-amphibole fenite and potassic feldspar-albite fenite occur as alteration envelopes peripheral to and within the carbonatite.

The Type II extrusive carbonatite (Mount Grace carbonatite = MGC) has been mapped along the entire 12 kilometre length of the Myoff Creek Property and for more than 100 kilometres regionally. It is interpreted as a pyroclastic flow grading to ash-fall tuff. The unit is thinly banded, with tephra blocks typically 1 to 5 cm in size, comprised of fenite, albitite, and wallrock clasts flattened and aligned along banding, in a matrix of 80 to 90% calcite with accessory phlogopite, plagioclase, apatite, amphibole and minor magnetite, pyrite, graphite and chalcopyrite. It is easily recognized in the field by its volcaniclastic texture and distinctive buff-brown weathering.

Regional metamorphism reached amphibolite facies and produced sillimanite-kyanite, sillimanite and sillimanite potassic feldspar assemblages in pelitic rocks. At the highest metamorphic grades lenticular semi-conformable pegmatite bodies are developed by partial melting.

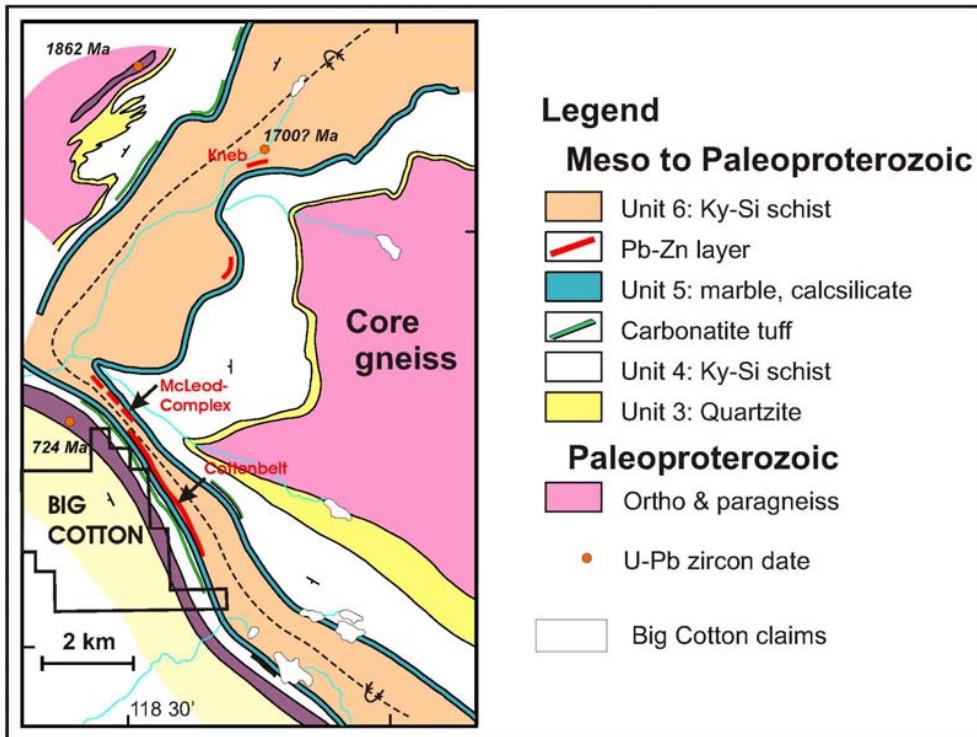


Figure 4: Geological map of the Cottonbelt area, northern Frenchman Cap dome showing location of the Mount Grace syncline, Cottonbelt and other mineral occurrences (after Höy, 1987; 2001). Note: the Myoff Creek property is directly along strike, adjoining on the southeast.

PROPERTY GEOLOGY

Dominating the map pattern at Ratchford Creek, the Phase 1 Mount Grace Syncline is an early recumbent isoclinal fold trending northwest with axial surface and both limbs dipping 30 to 45 degrees to the southwest. Within the Myoff Creek property the hinge zone is contained almost entirely within a 600 to 700 meter thick sequence of metasedimentary rock of the Autochthonous Cover series and is interpreted to have a shallow plunge of 10° to 15° to the southeast (Journeay, 1986, fig.19, p.91; Hoy, 1987, fig.7, p.27). It is well defined by the inverted repetition of a distinctive and regionally continuous marker horizon of stratiform carbonatite (MGC) and white marble (Unit 5), and by stratigraphic facing directions preserved in basal quartzites of the metasedimentary cover sequence.

In 2001 the MGC horizon (on the Myoff Creek property) was originally mapped by the author as three distinct layers varying from <1 metre to 32 metres in true thickness. This unit is now interpreted to be a single layer, tightly deformed into a pair of isoclinal folds trending approximately 160 degrees az and plunging 10 - 20 degrees toward the south southeast. These folds are dextral as viewed down-plunge and are parasitic on the southwest overturned limb of the Mount Grace Syncline, see Figure 3. Anomalous thicknesses of the MGC may reflect tectonic

thickening, but the possibility of original depositional thickening of the carbonatite proximal to volcanic vent feeder zones cannot be discounted.

About 200 metres to the northeast of the MGC outcrop belt, in the centre of the property, the tabular Type I REN carbonatite is the unit of principal economic interest. Its margins where observed in outcrop and trenches often give the appearance of being conformable (or semi-conformable) with layering in the surrounding metasedimentary rocks. However the intrusive layer can be seen to converge gradually toward the MGC as it is traced northwest. Comagmatic intrusive and extrusive carbonatite units might come into contact in the steep cliff south of Ratchford Creek, in a rarely observed volcanic throat or vent zone.

DIAMOND DRILLING

Drilling results in 2011 are summarized in the following table:

DDH	Elev.(m)	Az.	Dip	Depth (m)
MC11-01	1620	073	-55	93.27
MC11-02	1340		vertical	96.93
MC11-03	1620	073	-55	142.34
MC11-04	1340	073	-55	151.18
MC11-05	1620	073	-55	138.99
MC11-06	1340	073	-55	181.97
MC11-07	1620	073	vertical	185.32
MC11-08	1340	073	-55	148.44

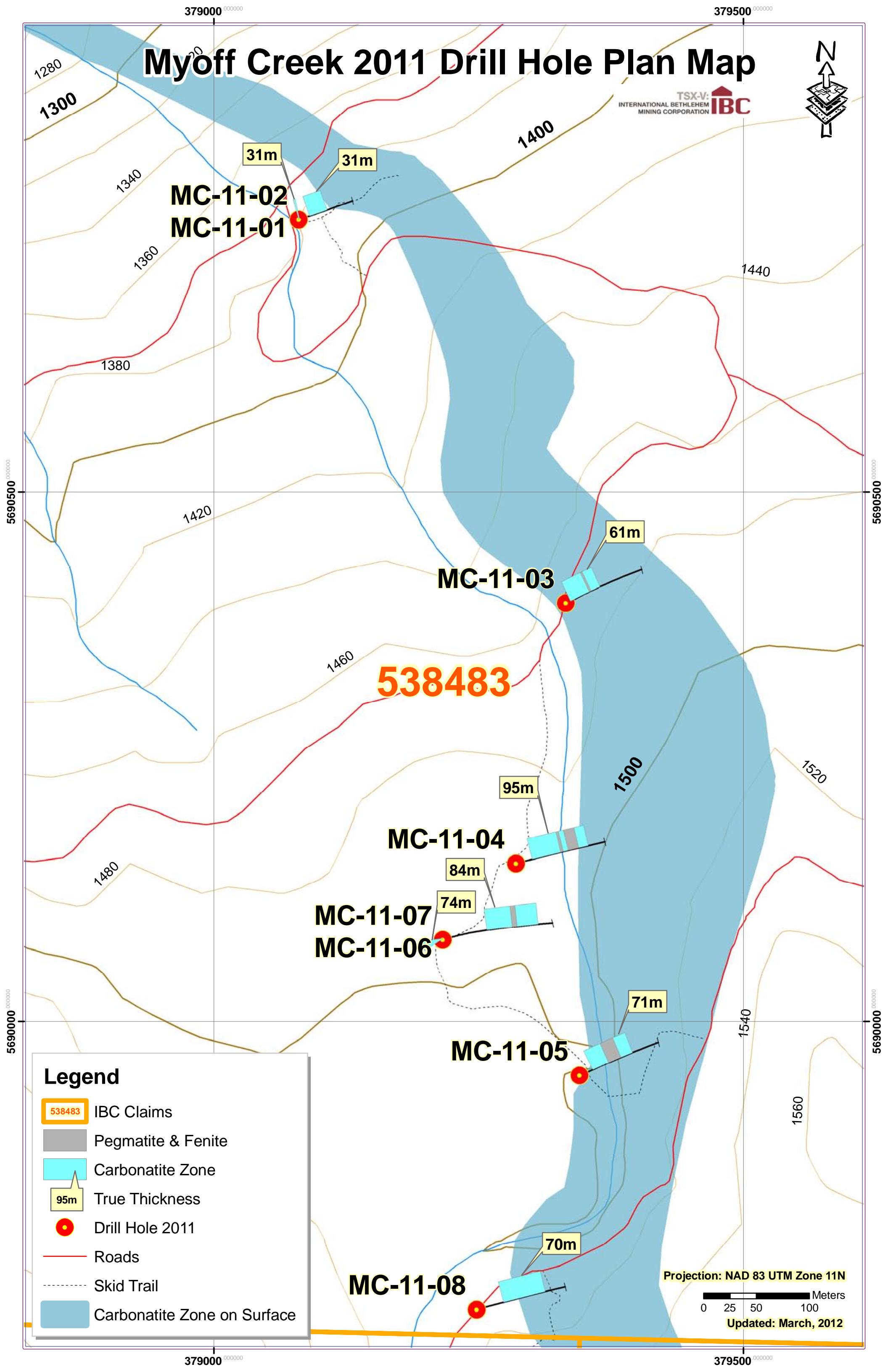
Myoff Creek Property: Summary of 2011 diamond drilling.

These holes, the first ever drilled on the property, were designed to test the grade and thickness of the historically known REN carbonatite. The REN carbonatite consists of a sill or sheet-like body of intrusive origin that strikes northwest and dips moderately to the southwest. Drilling took place from six sites which tested the carbonatite sill over 1.0 kilometre of strike length and down-dip for 160 metres. All drill holes intersected the carbonatite, as well as the hanging wall and foot wall rocks. Carbonatite intersections range in true thickness from 31 to 95 metres. Core recovery of the carbonatite was close to 100%.

Based on the Company's drill results and assay analysis completed to date, Niobium is present throughout the thickness of the carbonatite sill (except as noted in the Table below) with the best grades obtained near the middle of the sill. The best overall grades of Niobium were obtained in the central 250 metres of the drilled strike length where the carbonatite was found to be the thickest (in drill holes MC-11-03, 04, 05 and 06). The higher niobium content appears to be spatially associated with disseminations, pods and bands of magnetite and ilmenite within the carbonatite. Detailed mineralogical investigations are currently underway at the University of British Columbia under the supervision of Professor Lee A. Groat. The following table summarizes the Niobium assay results:

Myoff Creek 2011 Drill Hole Plan Map

TSX-V: IBC
INTERNATIONAL BETHLEHEM
MINING CORPORATION



Drill Hole Number	From (metres)	To (metres)	Interval (metres)	Nb ₂ O ₅ ppm (grams per tonne)
MC-11-03	24.13	43.36	19.23	2712
including	29.07	38.07	9.00	4284
including	35.07	38.07	3.00	9250
	43.36	46.69	3.33	see Note
and	46.69	64.69	18.00	1531
including	57.69	64.69	7.00	2037
MC-11-04	66.91	76.38	9.47	1460
	76.38	80.70	4.32	see Note
and	80.70	89.04	8.34	1950
	89.04	107.06	18.02	see Note
and	107.06	122.00	14.94	1359
MC-11-05	39.22	51.70	12.48	2010
	51.70	73.63	21.93	see Note
and	73.63	96.63	23.00	1708
MC-11-06	108.95	115.45	6.50	2072
	115.45	123.70	8.25	see Note
and	123.70	146.30	22.60	1555

Note: The mineralized composite carbonatite zone includes screens and interlayers of mafic and potassic fenite, pegmatite and intruded country rock, which were analyzed and are reported as waste.

In addition to the Niobium presence, analysis indicates that the REE's are strongly zoned into the hanging wall (southwest side) of the carbonatite over the entire drilled strike length within the REN Carbonatite, as illustrated by the following assay results:

Drill Hole Number	From (metres)	To (metres)	Interval (metres)	TREO (%)	Neodymium oxide (% of TREO)
MC-11-01	2.00	16.54	14.54	0.30	13.5
MC-11-03	7.16	11.90	4.74	0.42	14.5
MC-11-04	20.26	39.67	19.41	0.79	11.9
including	22.17	25.57	3.40	2.06	10.4
MC-11-05	18.92	27.00	8.08	0.43	12.5

MC-11-06	65.00	81.00	16.00	0.61	10.9
MC-11-08	47.00	65.47	18.47	0.41	13.6

Note: Total Rare Earth Oxides ("TREO") include: La₂O₃, Ce₂O₃, Pr₂O₃, Nd₂O₃, Sm₂O₃, Eu₂O₃, Gd₂O₃, Tb₂O₃, Dy₂O₃, Ho₂O₃, Er₂O₃, Tm₂O₃, Yb₂O₃, Lu₂O₃, and Y₂O₃. Neodymium Oxide is defined as Nd₂O₃ and expressed as a percent out of the TREO content. The four most abundant REEs that make up the TREO reported above are Cerium (Ce₂O₃), Lanthanum (La₂O₃), Neodymium (Nd₂O₃) and Praseodymium (Pr₂O₃).



Photo 1: Partially reclaimed trench MT-01-1 on June 25, 2010



Photo 2: Intrusive carbonatite in trench MT-01-1



Photo 3: Detail of intrusive carbonatite with screens of biotitic pyroxene-amphibole fenite in trench MT-01-1

CONCLUSIONS AND RECOMMENDATIONS

An ongoing program of diamond drilling is recommended to test the REN carbonatite zone for 500m down-dip.



Respectfully submitted,

G. GIBSON

Gordon Gibson, B.Sc.

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1918, pp. K236;
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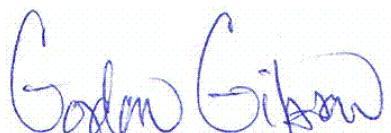
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CERTIFICATE OF AUTHOR

I, **Gordon Gibson** of the City of Vancouver, Province of British Columbia, do hereby certify that:

1. I am an independent consulting geologist with business office at Suite 201 – 2020 West 2nd Avenue, Vancouver, British Columbia, Canada, V6J 1J4.
2. I am a graduate of the University of British Columbia with an Honours B.Sc. degree in Geological Sciences (1975).
3. I have practiced my profession as a geologist since 1975.
4. I am a member of the Prospectors & Developers Association of Canada, and AME.
5. I was employed as an independent consultant by International Bethlehem Mining Corporation, 2489 Bellevue Avenue, West Vancouver, B.C. to perform the exploration program outlined in the accompanying report. I own securities of International Bethlehem Mining Corporation, and thus have a vested interest in the property.

Dated at Vancouver, British Columbia, this 26th Day of March, 2012.



A handwritten signature in blue ink, appearing to read "Gordon Gibson". The signature is fluid and cursive, with "Gordon" on top and "Gibson" below it, both starting with a capital letter.

Gordon Gibson, B.Sc.

STATEMENT OF COSTS

1. Diamond Drilling		132,267
2. Road Access and Bridge Rental		96,687
3. Geological Surveys (permits/core logging/report prep.) G. Gibson, Avee Ya'acoby		28,000
4. Salaries (incl. geotech, labour, administration)		20,000
5. Camp: Trailer/Cabin & Septic Tank Rental, Catering & Food		27,570
6. Sampling/Assaying Activation Laboratories Ltd. 602 Code-8 ICP/MS, Nb ₂ O ₅ +Ta ₂ O ₅ ,+ZrO ₂ fusion-XRF	<u>56,652</u>	56,652
7. Transportation Helicopter Eurocopter A-Star 2.8 hours @1,400/h + fuel	8,134	8,134
8. Report Preparation	<u>2,500</u>	2,500
	=====	
Total:	\$371,810	

0.00	2.13	Casing (7', 0.50m of core recovered)
1.64	7.35	<p>Quartz-Biotite Schist</p> <p>Banded dark grey, pale grey, green-brown, pale green on a scale of 0.5-1.5cm</p> <p>Alternating dark micaceous & leuco quartzo-feldspathic compositional bands (80-20%) 0.5 – 2 cm wide. Quartzo-feldspathic bands comprised of f.m.gr p. grey equigranular grey quartz (70%), plagioclase (15%), green-brown biotite (5%), green-brown mottled intergrown f. to m. gr. diopside, garnet (4%) with accessory pyrite, ilmenite(?). Micaceous bands/foliae comprised of m. to c. gr. black biotite (90%) with amphibole (10%).</p> <p>Pyrite (3-5%) ubiquitous as layer-parallel streaks and discordant fracture fillings to 2mm</p> <p>Unit is locally flooded by albite-k-spar fenite comprising c.gr. m. green granoblastic aegerine-augite (80%), buff K-spar (10%), brown phlogopite (3%) grain growth preferentially replacing softer biotitic bands.</p> <p>Well developed penetrative mineral foliation typically @ 55° to ca. Rootless intra-folial minor folds, variably ptygmatic.</p> <p>Moderately hard, blocky, competent core (except 2.15-3.03 upper part broken, rubbly).</p> <p>Recovery ~98%</p>
1.64	1.98	Carbonatite, c.gr. white
1.98	3.01	Interval is 75% mafic fenite (biotite/phlogopite, amphibole, pyroxene) as c.gr. reaction fronts semi-conformable to fol., selective to biotitic bands, 5mm to 25+ cm wide. This subunit reveals irregular residual cores of carbonatite where fenitization is strongest.
3.01	3.06	Carbonatite, c.gr.
3.06	4.64	Interval is 50% mafic fenite
4.64	4.71	Coarse granoblastic albite fenite consisting of white well-twinned albite and strained perthite anhedra to 2cm in size within poikiloblastic m. green aegerine-augite, d. bluish-green aegerine and bronze brown-black biotite with minor microcline, sphene?, pyrite and molybdenite.
4.71	4.88	Carbonatite v.c.gr white, clean, granoblastic
4.88	7.35	Interval is 40% albite fenite
5.52	12.98	<p>Quartzite</p> <p>Massive, pale pinkish buff-grey, overprinted and distinctively veined (patterned) by an ~orthogonal reticulate 2-stage network of d. green fracture fillings spaced @3mm to 3cm (average 1cm).</p> <p>Groundmass is impure feldspathic quartzite consisting of f. to m.gr. white plagioclase [saussuritized] (30%), f.gr. buff-pink K-spar (15%), m.gr. pale grey translucent quartz (30%) and subangular lithic? clasts (0.5-1mm) (20%) and scattered f. to m.gr. interstitial biotite flakes (3%). Weak color banding in groundmass marked by changes in grain size and slight variation in quartzo-feldspathic vs lithic relative composition. Interlayered with discrete d. brown, m.gr biotitic bands 1-3mm wide and d. green m.gr. epidote/chlorite/garnet bands 1-2mm wide.</p> <p>Well developed penetrative mineral foliation, undulose, typically @ 25° to ca.</p> <p>The distinctive patterning is caused by the intersection/transposition of chloritic compositional layering/foliae (above) and a younger cross-cutting d. green chlorite-lined brittle hairline (<1-2mm) fracture set at 80° to ca, typically showing 2-6mm offset of the former.</p> <p>Lower contact abrupt, mafic fenite against carbonatite.</p> <p>Hard, blocky, polished core.</p> <p>Recovery 100%</p>
8.26	8.76	Carbonatite v.c.gr white,granoblastic (mafics 20%), diss magnetite (5%)
11.35	11.45	Carbonatite v.c.gr white,granoblastic (mafics 20%)
12.98	59.22	<p>Magnesio Carbonatite (Rauhaugite-Beforsite)</p> <p>Black on white/p grey sharply defined coarse spotting and irregular gneissic color banding on a scale of 2-15mm.</p> <p>Groundmass consists of pale grey dolomite-ankerite (60-80%), white calcite (5-20%) and clear glassy apatite (5-15%). Carbonate minerals occur as coarse, irregular, interlocking, granoblastic grain growth mosaic 1-4mm, locally organized into diffuse compositional bands 2-10mm wide [possibly magmatic flow banding] in which creamy white interstitial calcite predominates over Mg-carbonate. The carbonate matrix supports anhedral apatite 1-2mm, as scattered ovoid "eyes" or aligned globular (occ. packed) grain aggregates. Apatite can reach 30-50% in diffuse compositional bands up to 5-10mm wide or locally predominates as pale grey to aquamarine vitreous polygonal grain</p>

(1-2mm) aggregates preferentially enclosing or rimmed by mafics & opaques. Mafics include m. to c. gr black biotite (to bronze-brown phlogopite) foliae <1-5mm wide or scattered flattened grains (0-7%) and bluish-green m.gr. stubby to elongate-prismatic amphibole [riebeckite? richterite?] often intergrown with biotite (0-3%). Accessory opaque minerals include finely disseminated irregular grains of pyrrhotite (tr-1%), magnetite (tr-4%), ilmenite (tr-1%), hematite, chalcopyrite, molybdenite, and pyrite with possible microcrystalline columbite?, pyrochlore?, monazite? Opaques tend to be preferentially associated with mafics.

The carbonatite is intimately interbanded with black to d.brown c.gr. mafics in gneissic foliae & masses. , consisting of biotite(50-80%), phlogopite(10-20%), and amphibole (20-30%). The relative percentage of carbonatite vs mafic components varies systematically downhole.

Soft to moderate, blocky, core.

Recovery ~98%

	12.98	13.82	Albite fenite
	13.82	14.54	Carbonatite v.c.gr white,granoblastic (mafics 20%)
	14.54	15.54	Albite fenite
	15.54	21.50	Carbonatite (mafics 60%)
	21.50	27.23	Carbonatite (mafics 15%, considerable fizz)
		21.85	Chalky, banded, ilmenite, magnetite lamellae (15%)
		23.47	Ilmenite, magnetite lamellae (5%)
	27.23	30.70	Carbonatite (mafics 60%, incl. 10% riebeckite, deformation, folding)
	30.70	31.30	Carbonatite (mafics 10%, no fizz)
	31.30	33.80	Pegmatite ; strained
	33.80	34.05	Albite fenite
	34.05	41.28	Carbonatite (mafics 80%, incl ~40% mafic fenite)
		35.22	Minor fold, flat axis @~90° to ca
		35.76	Limonite-stained, broken, rubbly core, recovery 75%
		39.20	39.25 Ilmenite, magnetite lamellae (15%)
	41.28	42.65	Carbonatite (mafics 30%)
	42.65	44.70	Carbonatite (mafics 70%)
	44.70	45.97	Carbonatite (mafics 30%)
		44.70	Calcitic, fizzy
	45.97	53.94	Carbonatite (mafics 70%, with increasing included mafic fenite, albite fenite and albitite at the base)
		47.38	Limonite-stained, broken, rubbly core, recovery 60%
		48.31	Albitite,dominant foliation @80° to ca
		48.62	Disruption; relatively clean carbonatite intruding at @25° to ca displacing & offsetting albitite breccia
fragments/xenoliths, photo of same		49.33	Carbonatite (mafics 20%, no fizz)
		50.63	Albitite screens/xenoliths (80%)
		53.80	53.94 1-3mm strongly cross-cutting bluish-grey qz-ser gash veins @0° to ca
	53.94	59.22	Carbonatite (mafics 85%); the unit becomes more hard, indurated, bleached with clouded primary fabric, intimately interdigitated and gradational with the underlying schist, selectively overprinted by tongues of albite fenite (50%), but with several cleaner younger(?) narrow carbonatite bands at the base.
			Lower contact of the carbonatite zone is placed at the last obvious discrete relatively pure band of white carbonatite
		56.28	Carbonatite (mafics 10%, no fizz)
		57.11	Carbonatite (mafics 10%, no fizz)
		59.16	Carbonatite (mafics 3%, no fizz)

59.22

93.27

Quartz-Feldspar-Biotite Schist

Distinctly banded dark brownish-grey, pale green & white, pinkish-grey on a scale of 0.1-3.0cm

Variable unit consisting of rhythmically interlayered dark brownish-grey speckled f. to m. gr. biotite-quartz-feldspar (30%), grey m. gr. equigranular quartz-biotite-feldspar (40%) and light-grey m. gr. feldspar-quartz (albitite) (20%) compositional bands typically 0.1-3.0cm wide with lesser leuco pinkish-grey vitreous quartz

discrete 1-3mm bands/segregations (10%). Scattered flattened 2 x 4mm white albite augen (1-2%) are best developed in the less micaceous bands. The overall unit composition varies regularly and non-systematically downhole (on a scale of a metre or more) by variations in the proportion of micaceous and feldspathic banding.

Pyrite (tr-1%) occurs as fine <1mm disseminations and layer-parallel streaks.

Unit is locally altered by albite-K-spar fenite (5-15%) comprising intergrown c.gr. pale green granoblastic aegerine-augite (55%), white albite (30%), buff K-spar (10%), d. green aegerine (3%), bronze-brown phlogopite (3%) w. accessory sphene, magnetite and pyrrhotite metasomatic grain growth in mottled pale green & white irregular lenses and clots preferentially replacing softer biotitic bands.

Well developed penetrative mineral foliation typically @ 85° to ca is sub-parallel to layering indicating isoclinal deformation.

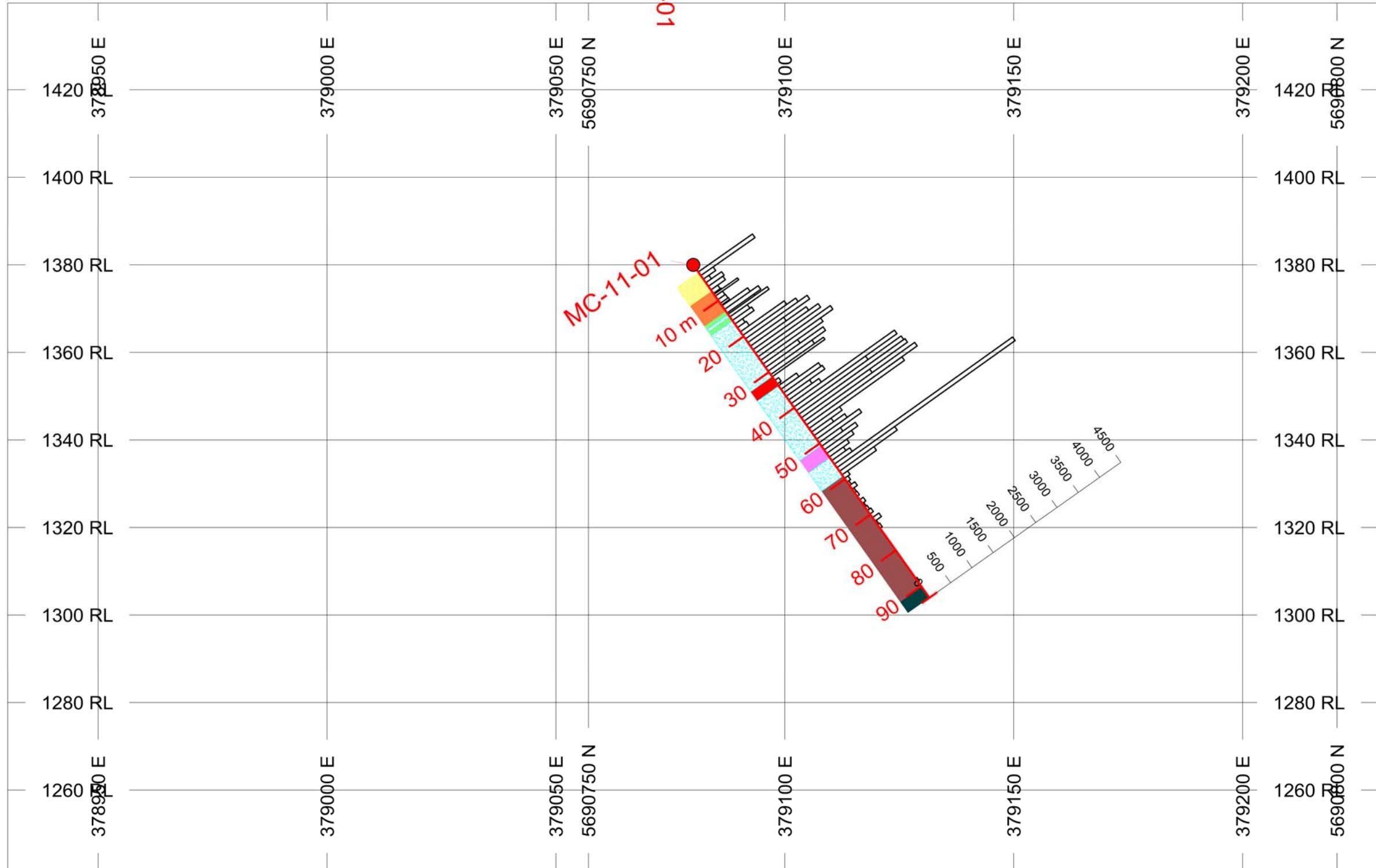
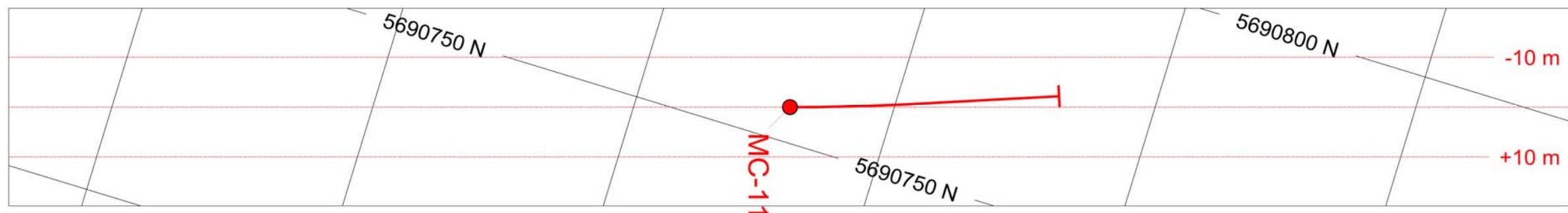
Moderately hard, blocky, competent core.

Recovery ~98%

59.22	68.88	Upper part comprised of ~30% albite fenite, in discrete bands up to 6cm wide, diminishing downhole
61.42	61.53	Pegmatite segregation, concondant
63.74	63.86	Pegmatite segregation, concondant
66.50	66.60	Pegmatite segregation, concondant
74.75	75.30	Albitite; l @ 88° to ca
76.34	76.60	Albitite; rootless isoclinal minor fold
78.34	78.65	Quartzite; f. gr., laminated, subtle banding 1-3mm in shades of reddish-grey, grey, hard,, hackly core
79.67	80.02	Qz-diopside calc-silicate gneiss, p. green & white banded
80.59	0.00	Unit becomes progressively more garnetiferous downhole, pinkish ga is present as scattered subhedral or ragged spherical porphyroblasts typically 1-3mm, but occ. up to 1.5cm
82.31	83.56	Broken, rubbly core, limonite stained, recovery 75%
84.36	84.48	Free qz segregation
90.20	92.64	Amphibolite; massive, ga porphyroblasts (18%), hb, plag.
93.20	93.27	Amphibolite (as above)

EOH @ 93.27m (306')

Casing left in



HOLES PLOTTED

TOTAL 1

MC-11-01

BAR GRAPHS L/R COL
Nb₂O₅ (ppm) R

ROCK CODES	PAT	CODE	DESCRIPTION
RockCode			
	0	0	casing
	1	Qz-fp-hb-bi paragn. w.	
	2	CARB/fen. dykes	
	3	Quartzite w. CARB/fenite	
	5	stringers	
	6	Albite fenite	
	7	Pegmatite	
	8	Albitite	
	9	Qz-fp-bi-hb gneiss	
		Amphibolite	
		CARBONATITE	

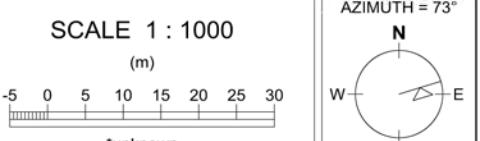
SECTION SPECS:

REF. PT. E, N 379080 m 5690757 m

EXTENTS 313.2 m 198.3 m

SECTION TOP, BOT 1440 m 1242 m

TOLERANCE +/- 10 m



IBC

Myoff Creek Project 2011

Section Map for Nb₂O₅ & Geology

Created: March 20, 2012

0.00 3.05 Casing (10')

2.15 5.52 Quartz-Biotite Schist

Banded dark grey, pale grey, green-brown, pale green on a scale of 0.5-1.5cm

Alternating dark micaceous & leuco quartzo-feldspathic compositional bands (80-20%) 0.5 – 2 cm wide. Quartzo-feldspathic bands comprised of f.m.gr p. grey equigranular grey quartz (70%), plagioclase (15%), green-brown biotite (5%), green-brown mottled intergrown f. to m. gr. diopside, garnet (4%) with accessory pyrite, ilmenite(?). Micaceous bands/foliae comprised of m. to c. gr. black biotite (90%) with amphibole (10%).

Pyrite (3-5%) ubiquitous as layer-parallel streaks and discordant fracture fillings to 2mm

Unit is locally flooded by albite-k-spar fenite comprising c.gr. m. green granoblastic aegerine-augite (80%), buff K-spar (10%), brown phlogopite (3%) grain growth preferentially replacing softer biotitic bands.

Well developed penetrative mineral foliation typically @ 55° to ca. Rootless intra-folial minor folds, variably ptygmatic.

Moderately hard, blocky, competent core (except 2.15-3.03 upper part broken, rubbly).

Recovery ~98%

2.15 2.21 Carbonatite, c.gr. white, diss. molybdenite (2%)

2.50 2.56 Carbonatite, c.gr.

2.91 3.26 Carbonatite v.c.gr white, clean, granoblastic

3.26 3.40 Carbonatite (mafics 30%), semi-concordant

3.77 4.12 Carbonatite (mafics 40%)

4.16 5.52 Base is 40% **mafic fenite** (biotite/phlogopite, amphibole, pyroxene) as c.gr. reaction fronts semi-conformable to fol., selective to

biotitic bands, 5mm to 25+ cm wide. This subunit reveals irregular residual cores of carbonatite where fenitization is strongest. The lowermost 15cm is coarse granoblastic **albite fenite** consisting of white well-twinned albite and strained perthite anhedra to 2cm in size within poikiloblastic m. green aegerine-augite, d. bluish-green aegerine and bronze brown-black biotite with minor microcline, sphene?, pyrite and molybdenite.

5.52 17.94 Quartzite

Massive, pale pinkish buff-grey, overprinted and distinctively veined (patterned) by an ~orthogonal reticulate 2-stage network of d. green fracture fillings spaced @3mm to 3cm (average 1cm).

Groundmass is impure feldspathic quartzite consisting of f. to m.gr. white plagioclase [saussuritized] (30%), f.gr. buff-pink K-spar (15%), m.gr. pale grey translucent quartz (30%) and subangular lithic? clasts (0.5-1mm) (20%) and scattered f. to m.gr. interstitial biotite flakes (3%). Weak color banding in groundmass marked by changes in grain size and slight variation in quartzo-feldspathic vs lithic relative composition. Interlayered with discrete d. brown, m.gr biotitic bands 1-3mm wide and d. green m.gr. epidote/chlorite/garnet bands 1-2mm wide.

Well developed penetrative mineral foliation, undulose, typically @ 25° to ca.

The distinctive patterning is caused by the intersection/transposition of chloritic compositional layering/foliae (above) and a younger cross-cutting d. green chlorite-lined brittle hairline (<1-2mm) fracture set at 80° to ca, typically showing 2-6mm offset of the former.

Lower contact abrupt, mafic fenite against carbonatite.

Hard, blocky, polished core.

Recovery 100%

5.66 6.83 Mafic fenite,

7.05 7.16 Mafic fenite,

8.01 8.70 Mafic fenite

8.70 9.26 Albite fenite, c. gr. granoblastic, lower contact arbitrary over 10cm

9.26 9.48 Mafic fenite

9.48 9.89 Carbonatite with 15% mafic fenite, comp. banding at 48° to ca.

10.00 10.38 Mafic fenite, 20% residual carbonatite

12.05 12.07 Intra-folial minor folds w. axial surface @23° to ca, rootless, limbs truncated

12.29		Dominant foliation @52° to ca
12.40	12.80	Mafic fenite
13.24	15.42	Albite fenite, m. to c. gr., banded, 14.37 Comp. layering @45° to ca
16.69	17.00	Mafic fenite
17.72	17.94	Mafic fenite

17.94 70.72 **Magnesio Carbonatite (Rauhaugite-Beforsite)**

Black on white/p.grey sharply defined coarse spotting and irregular gneissic color banding on a scale of 2-15mm.

Groundmass consists of pale grey dolomite-ankerite (60-80%), white calcite (5-20%) and clear glassy apatite (5-15%). Carbonate minerals occur as coarse, irregular, interlocking, granoblastic grain growth mosaic 1-4mm, locally organized into diffuse compositional bands 2-10mm wide [possibly magmatic flow banding] in which creamy white interstitial calcite predominates over Mg-carbonate. The carbonate matrix supports anhedral apatite 1-2mm, as scattered ovoid "eyes" or aligned globular (occ. packed) grain aggregates. Apatite can reach 30-50% in diffuse compositional bands up to 5-10mm wide or locally predominates as pale grey to aquamarine vitreous polygonal grain (1-2mm) aggregates preferentially enclosing or rimmed by mafics & opaques. Mafics include m. to c. gr black biotite (to bronze-brown phlogopite) foliae <1-5mm wide or scattered flattened grains (0-7%) and bluish-green m.gr. stubby to elongate-prismatic amphibole [riebeckite? richterite?] often intergrown with biotite (0-3%). Accessory opaque minerals include finely disseminated irregular grains of pyrrhotite (tr-1%), magnetite (tr-4%), ilmenite (tr-1%), hematite, chalcopyrite, molybdenite, and pyrite with possible microcrystalline columbite?, pyrochlore?, monazite? Opaques tend to be preferentially associated with mafics.

The carbonatite is intimately interbanded with black to d.brown c.gr. mafics in gneissic foliae & masses. , consisting of biotite(50-80%), phlogopite(10-20%), and amphibole (20-30%). The relative percentage of carbonatite vs mafic components varies systematically downhole.

Soft to moderate, blocky, core.

Recovery ~98%

19.40	19.87	Albite fenite (aegerine-augite, aegerine, albite, amphibole), green, c.gr., granoblastic. Upper c. sharp @<10° to ca
20.33	20.65	Albite fenite
20.88	23.88	Albite fenite. to ca. Lowerv18cm removed for description. 21.26 1 @58° to ca
23.88	24.39	Carbonatite (mafics 60%)
24.39	24.60	Carbonatite (mafics 15%)
24.60	25.40	Carbonatite (mafics 60%)
25.40	25.53	Carbonatite (mafics 20%)
25.53	28.90	Carbonatite (mafics 60%)
xenoliths up to 2cm x 4cm	25.80	26.43 Carbonatite (mafics 80%) milled, mylonitic/cataclastic planar fabric @55° to ca, including subrounded carbonatite
	27.27	27.50 Carbonatite (mafics 20%) 1 @52° to ca
28.90	36.40	Carbonatite (mafics 30%)
	33.11	33.86 Carbonatite (mafics 75%)
	34.31	34.60 Carbonatite (mafics 75%)
	34.75	35.20 Carbonatite (mafics 80%)
	35.20	35.81 Carbonatite (mafics 15%) Clean section with undulose to boudinaged 1-4cm m.gr. Mg-carbonatite in chalky white f. gr. calcitic carbonatite.
	35.81	36.40 Albite fenite
36.40	40.13	Pegmatite; upper c. discordant, lower c. semi-concordant, stylolitic w. carb
	37.91	38.17 Albite fenite + carbonatite, irregular margins
	39.39	39.61 Albite fenite xenoliths
40.13	68.47	Carbonatite (mafics 20%)
	40.75	41.42 Mafic fenite; d. grey, soft, foliated (10% carbonate)
	41.42	41.62 Mafic fenite

42.53	43.43	Mafics (60%)
43.43	44.22	Mafic fenite
45.34	45.78	Mafic fenite
46.13	46.30	Mafic fenite 1 @70° to ca
46.79	46.96	Mafic fenite
48.54	50.35	Yellowish-buff (limonitic) weathering; diffuse, weakly developed
	50.02	1 @55° to ca
52.04	53.16	Mafic fenite; swirled, milled, 2-stage (xenolithic, fragmental), fizzy (25% carbonate)
54.25		1 @65° to ca
55.17	55.56	Mafic fenite
55.56	61.07	Albitite screen; well banded, hard, competent 1 @55° to ca, flattened albite augen 0.5x1cm in m. gr. qz-fp matrix,

disaggregated angular blocks several cm in fenite at top. Interval contains several sharply cross-cutting 7-15 cm irregular intrusive masses of carbonatite (<15% by volume) with minor albite fenite involvement, detail photo of same.

61.07	70.72	Carbonatite (mafics 75-80%), lower interval is very impure, gradational into underlying calc-silicate gneiss over several m, with recurring interlayers of mafic fenite and albitite, lower contact somewhat arbitrary, placed at last discrete carbonatite band.
63.40	67.00	Albitite w. 25% mafic fenite. 1 @56° to ca
67.00	67.51	Carbonatite (mafics 40%)
67.51	68.47	Albitite w. 30cm of mafic fenite at base
68.47	70.72	Quartz-biotite-feldspar schist, banded, foliated
69.38	69.49	Carbonatite (mafics 5%)
70.43	70.72	Carbonatite (mafics 5%; clean, white, c. gr. granoblastic), conformable, no fizz

70.72 96.93 Quartz-Feldspar-Biotite Schist

Distinctly banded dark brownish-grey, pale green & white, pinkish-grey on a scale of 0.1-3.0cm

Variable unit consisting of rhythmically interlayered dark brownish-grey speckled f. to m. gr. biotite-quartz-feldspar (30%), grey m. gr. equigranular quartz-biotite-feldspar (40%) and light-grey m. gr. feldspar-quartz (albitite) (20%) compositional bands typically 0.1-3.0cm wide with lesser leuco pinkish-grey vitreous quartz discrete 1-3mm bands/segregations (10%). Scattered flattened 2 x 4mm white albite augen (1-2%) are best developed in the less micaceous bands. The overall unit composition varies regularly and non-systematically downhole (on a scale of a metre or more) by variations in the proportion of micaceous and feldspathic banding.

Pyrite (tr-1%) occurs as fine <1mm disseminations and layer-parallel streaks.

Unit is locally altered by albite-K-spar fenite (5-15%) comprising intergrown c.gr. pale green granoblastic aegerine-augite (55%), white albite (30%), buff K-spar (10%), d. green aegerine (3%), bronze-brown phlogopite (3%) w. accessory sphene, magnetite and pyrrhotite metasomatic grain growth in mottled pale green & white irregular lenses and clots preferentially replacing softer biotitic bands.

Well developed penetrative mineral foliation typically @ 55° to ca is sub-parallel to layering indicating isoclinal deformation.

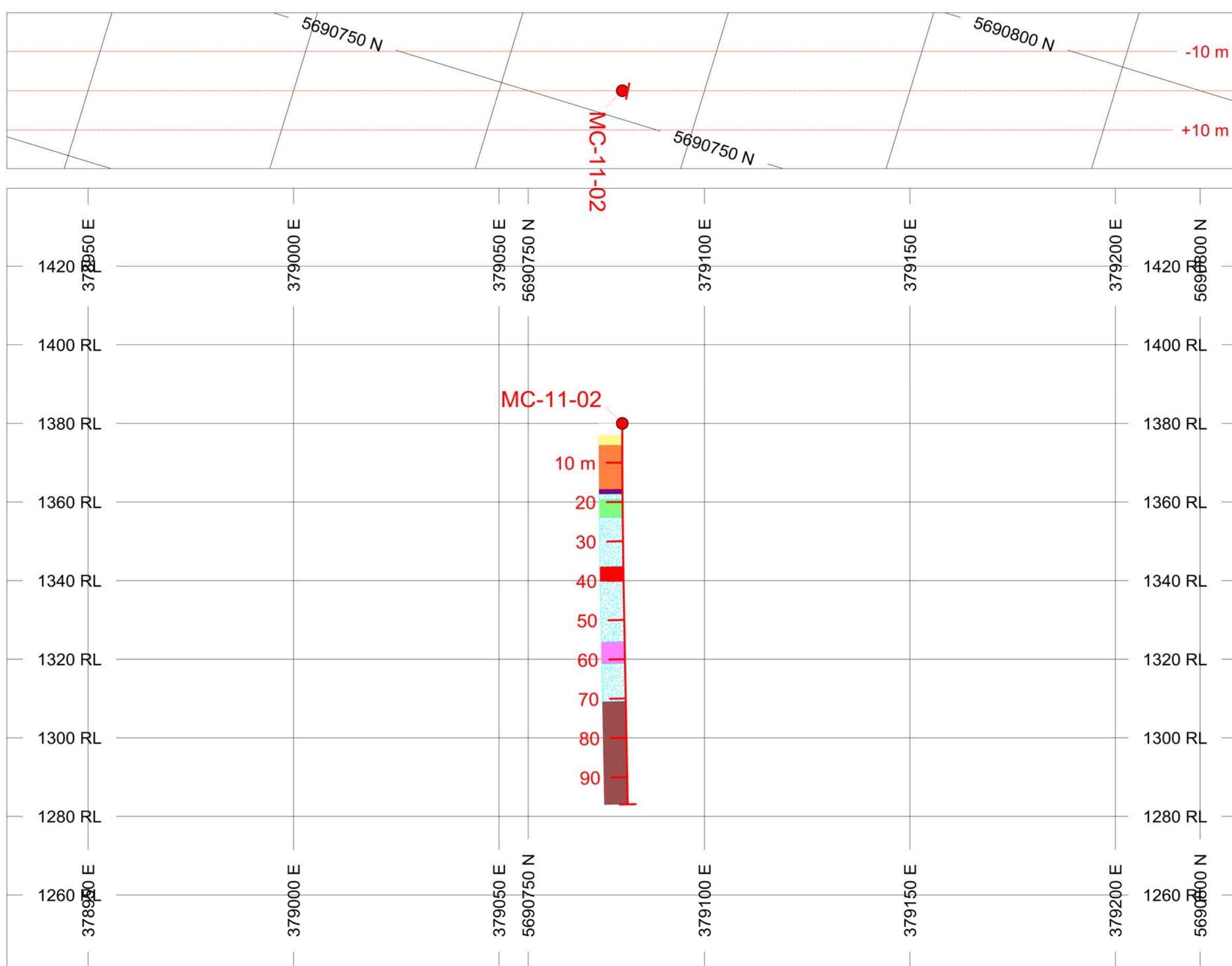
Moderately hard, blocky, competent core.

Recovery ~98%

70.72	76.02	Upper part comprised of ~40% fenite
73.88	73.90	Discordant 1.5cm pale green calcite-chlorite veinlet @48° to ca; soft
75.04	75.33	Albitite
80.00		Dominant foliation @55° to ca
89.63	90.00	Albite-K-spar fenite; v. c. gr. with accessory py, cp, molbdenite (tr)
95.20	96.20	Broken, rubbly core; 40% recovery
96.40	96.93	Albitite 1 @54° to ca

EOH @ 96.93m (318')

Casing left in



HOLES PLOTTED

TOTAL 1
MC-11-02

BAR GRAPHS L/R COL Nb₂O₅ (ppm)

ROCK CODES	PAT	CODE	DESCRIPTION
RockCode	0	0	casing
	1		Qz-fp-hb-bi paragn. w.
	2		CARB/fen. dykes
	3		Quartzite w. CARB/fenite
	4		stringers
	5		Albite fenite
	6		Mafic fenite
	7		Pegmatite
	8		Albitite
	9		Qz-fp-bi-hb gneiss
			CARBONATITE

SECTION SPECS:

REF. PT. E, N	379080 m	5690757 m
EXTENTS	313.2 m	198.3 m
SECTION TOP, BOT	1440 m	1242 m
TOLERANCE +/-	10 m	

SCALE 1 : 1000 (m)
AZIMUTH = 73°

*unknown

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Myoff Creek Project 2011
Section Map for Nb₂O₅ & Geology
Created: March 20, 2012

0.00 1.52 Casing (5')

1.52 2.36 **Albite Fenite**

Swirled, granoblastic, 40% included carbonatite

2.36 71.87 **Magnesio Carbonatite (Rauhaugite-Beforsite)**

Black on white/p.grey sharply defined coarse spotting and irregular gneissic color banding on a scale of 2-15mm.

Groundmass consists of pale grey dolomite-ankerite (60-80%), white calcite (5-20%) and clear glassy apatite (5-15%). Carbonate minerals occur as coarse, irregular, interlocking, granoblastic grain growth mosaic 1-4mm, locally organized into diffuse compositional bands 2-10mm wide [possibly magmatic flow banding] in which creamy white interstitial calcite predominates over Mg-carbonate. The carbonate matrix supports anhedral apatite 1-2mm, as scattered ovoid "eyes" or aligned globular (occ. packed) grain aggregates. Apatite can reach 30-50% in diffuse compositional bands up to 5-10mm wide or locally predominates as pale grey to aquamarine vitreous polygonal grain (1-2mm) aggregates preferentially enclosing or rimmed by mafics & opaques. Mafics include m. to c. gr black biotite (to bronze-brown phlogopite) foliae <1-5mm wide or scattered flattened grains (0-7%) and bluish-green m.gr. stubby to elongate-prismatic amphibole [riebeckite? richterite?] often intergrown with biotite (0-3%). Accessory opaque minerals include finely disseminated irregular grains of pyrrhotite (tr-1%), magnetite (tr-4%), ilmenite (tr-1%), hematite, chalcopyrite, molybdenite, and pyrite with possible microcrystalline columbite?, pyrochlore?, monazite? Opaques tend to be preferentially associated with mafics.

The carbonatite is intimately interbanded with black to d.brown c.gr. mafics in gneissic foliae & masses. , consisting of biotite(50-80%), phlogopite(10-20%), and amphibole (20-30%). The relative percentage of carbonatite vs mafic components vary systematically downhole.

Soft to moderate, blocky, core.

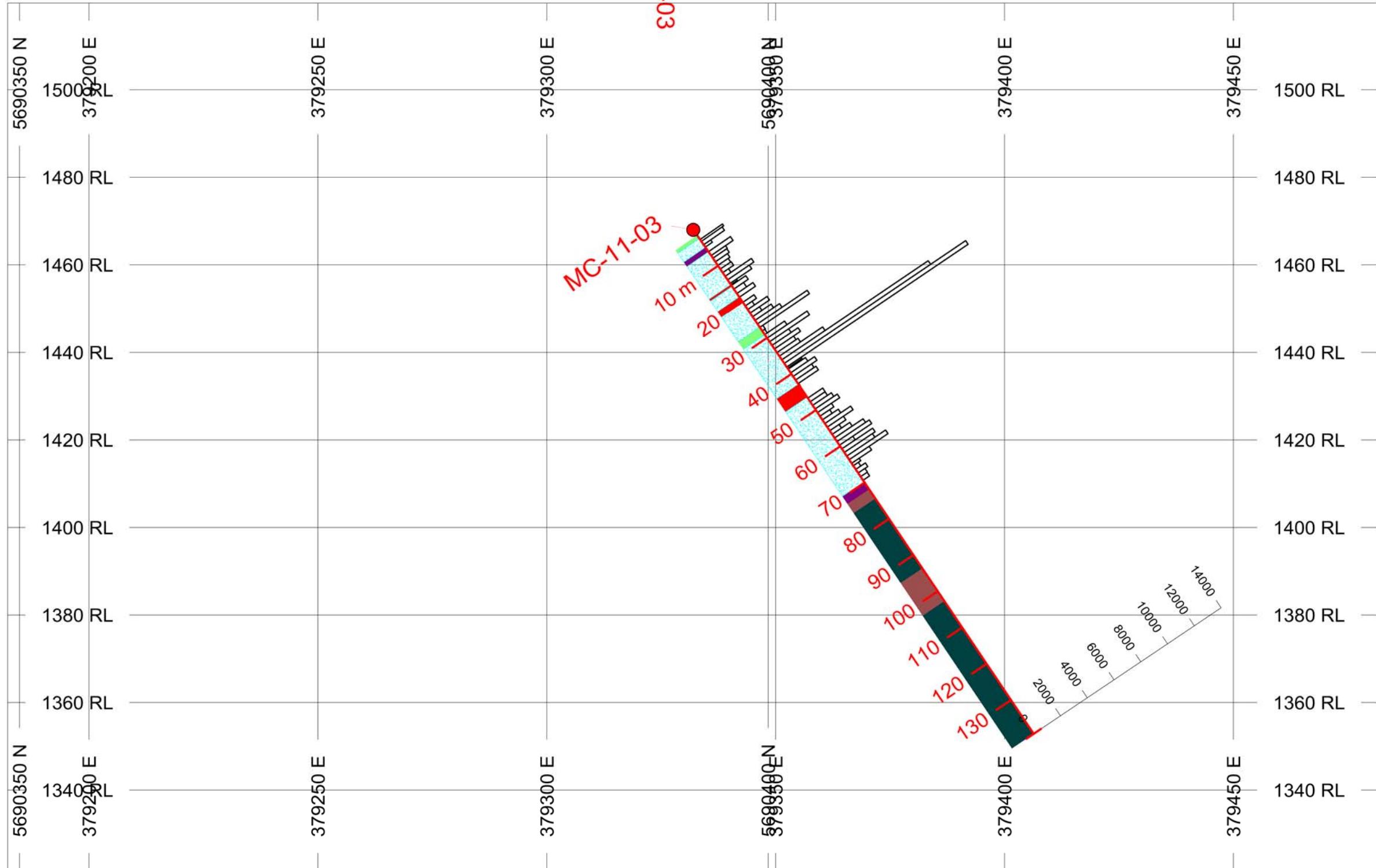
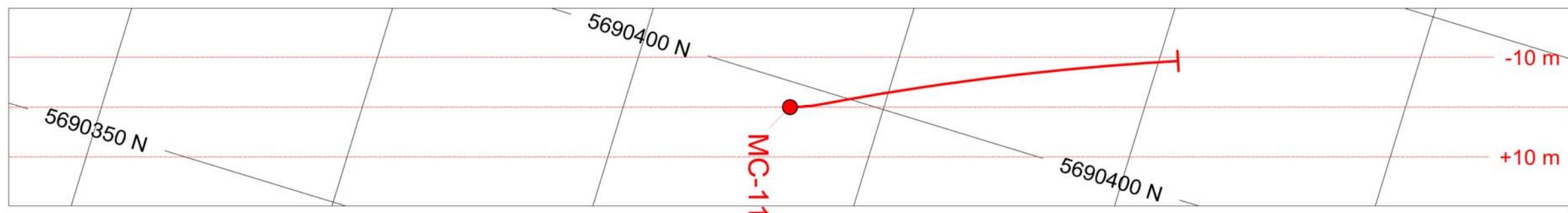
Recovery ~98%

2.36	2.93	Carbonatite (mafics 5%; clean, white, c. gr. granoblastic, 10% bluish skeletal amphibole), conformable, no fizz
2.93	3.34	Mafic fenite
3.24	3.91	Carbonatite (mafics 15%; clean, white, c. gr. granoblastic), conformable, weak fizz
3.91	4.05	Mafic fenite
4.05	4.91	Carbonatite (mafics 5%; clean, white, c. gr. granoblastic, 10% bluish skeletal amphibole), conformable, no fizz
4.91	6.06	Mafic fenite
6.06	12.51	Carbonatite (mafics 35%)
	10.04	10.28 Scattered phlogopite, riebeckite? laths, photo of detail
	10.85	11.11 Primary magmatic(?) banding; po(2%), magnetite(1%), il (2%)
	12.22	Magnetite clot 1x1.5cm (3%)
12.51	15.25	Carbonatite (mafics 20%)
15.25	15.68	Pegmatite
15.68	18.71	Carbonatite (mafics 15%)
	17.33	18.71 Calcitic, strong fizz
		17.33 18.00 Chalky, f. gr.
18.71	20.13	Pegmatite
20.13	26.13	Carbonatite (mafics 40%)
	24.15	24.18 Ilmenite, magnetite lamellae (10%)
26.13	27.07	Carbonatite (mafics 80%)
	26.13	26.18 Ilmenite, magnetite lamellae (15%)
	26.52	26.76 Ptygmatic folding
27.07	29.07	Albite fenite
29.07	31.33	Carbonatite (mafics 20%)
	29.91	30.04 Ilmenite, magnetite diss, clots (10%)
31.33	35.29	Carbonatite (mafics 50%)
	34.07	34.80 Disruption, rounded sharply defined xenoliths in 40% mafic fenite

	35.29	42.88	Carbonatite (mafics 30%)
	35.60		Magnetite clots (3%)
	36.07	36.21	Ilmenite, magnetite lamellae (15%)
	36.50	36.90	Ilmenite, magnetite lamellae, clots (20%)
	36.95	37.75	Ilmenite, magnetite layers to 5cm, lamellae, clots (30-40%), Nb ₂ O ₅ to 1.3%, 2 samples removed for petrography
@37.01-37.13, 37.36-37.62			
	39.18	39.78	Carbonatite (mafics 10%, c. gr. Granoblastic, weak fizz)
	41.15	41.91	Carbonatite (mafics 10%)
	42.88	46.40	Pegmatite ; ragged, etched lower contact
	46.40	63.93	Carbonatite (mafics 35%, good fizz @51.56-62.53)
	47.16	47.66	Mafic fenite
	47.93	48.12	White, f.gr., laminated, chalky, poor fizz
	51.70	52.04	Ilmenite, magnetite lamellae (8%)
	53.44	53.98	Ilmenite, magnetite lamellae,diss (5%)
	57.31	57.59	Magnetite diss (3%)
	59.34	59.54	Minor fold, disharmonic with axis ~@90° to ca, disruption, breccia
	61.75	61.92	Magnetite diss (3%)
	63.93	71.87	Carbonatite (mafics 85%) interval is strongly occluded by mafic & albite fenite, gradational (intercalated) with gneissic/schistose footwall sequence, some isoclinal minor folding observed, lower contact sharp & conformable against augen gneiss but etched, weathered, limonite stained
	65.36	65.49	Carbonatite (mafics 10%, c. gr.)
	66.83	67.18	Carbonatite (mafics 10%, c. gr., good fizz, conformable, sharp contacts)
	69.85	70.28	Fp augen gneiss
	70.79	71.87	Mafic fenite
		71.57	Limonite stained, soft, friable core, recovery 75%
71.87	74.41		Feldspar-Quartz-Biotite-Hornblende Gneiss
			White on dark grey gneissic discontinuous color banding on a scale of 0.5-1.5cm
			White albite augen/porphyroblasts to 3cm (10-25%) in a dark grey m. to c. gr. occ. banded matrix of black biotite (30%), green hornblende (10%) translucent grey quartz (25%) and white plagioclase (20%)
			Pyrite (tr-1%) occurs as fine <1mm disseminations and layer-parallel streaks.
			Unit is locally altered by albite-K-spar fenite (5-15%) comprising intergrown c.gr. pale green granoblastic aegerine-augite (55%), white albite (30%), buff K-spar (10%), d. green aegerine (3%), bronze-brown phlogopite (3%) in mottled pale green & white irregular boudinaged lenses and knots preferentially replacing matrix biotite.
			Well developed gneissic foliation typically @ 82° to ca.
			Lower contact gradational over 40cm with underlying schist, by disappearance of albite augen
			Moderately hard, blocky, competent core.
			Recovery ~98%
74.41	93.68		Amphibolite
			Dark green & white distinct color banding 1-4mm
			M. to c. gr. dark green hornblende (50%) and intergranular m. gr. white plagioclase (40%), talc (5%) with discrete thondhemitic leucosome bands 0.5-3cm (5-10%). with coarse (0.5-2cm) subhedral/euhedral pink garnet porphyroblasts, syn-post kinematic, occ. packed/clustered in distinct intervals 1-5cm wide.
			Well developed gneissic foliation typically @ 82° to ca. Probable sedimentary protolith.
			Lower contact gradational?
			Moderately hard, blocky, competent core.
			Recovery 100%
74.41	75.27		Upper part is silvery-green f. to m. gr. laminated quartz-biotite-sericite schist with planar talc partings

	76.81	78.03	Rubbly pulverized core, recovery 60%
	78.57	79.88	Fp. augen gneiss (as 71.87-74.41)
	79.88	80.84	F. gr. hard, laminated, quartz-sericite schist w. flattened albite augen (10%), diffuse color banding in pastel shades of pale grey/lavender-brown/pale green
	80.84	81.50	Rubbly pulverized core, recovery 60%
	86.00		Dominant foliation @73° to ca
	87.88	88.29	Massive, d. green, c. gr. hb-ac-albite interlocking growth mosaic
	92.52	92.94	Massive, d. green, c. gr. hb-ac-albite interlocking growth mosaic
93.68	0.00		Feldspar-Quartz-Biotite-Hornblende Gneiss (transitional with 71.87-74.41), Fp. augen gneiss, locally coarse garnet porphyroblastic (dodecahedral, weakly zoned), gradational with intercalated granular, impure banded amphibolite. Discrete white free quartz lenses/layers/ segregations to 2 cm (10%) Rootless, intrafolial fold hinges on flat axes @~90° to ca
	98.09		Dominant foliation @73° to ca
	101.34		Disc. qz-chl veinlet, 5-7mm @20° to ca
	102.70	103.23	Amphibolite
	105.71	106.14	Pegmatite/sheeted qz vein
	110.85	111.55	Amphibolite
	112.70	112.77	Amphibolite
	113.18	113.89	Amphibolite
	113.30		113.45 Minor fold pair in thondhemitic leucosome, photo of detail
	119.67		119.80 Partial minor fold in thondhemitic leucosome
	124.54	125.40	Amphibolite
	126.04	126.69	Amphibolite
	128.87	129.00	Amphibolite
	129.52	131.27	Amphibolite; f. – m. gr. dark green, massive, homogenous, ga 0.5-2mm (7%)
	133.22	133.60	Amphibolite
	134.71	136.99	Interval of 85% white/grey mottled, thondhemitic leucosome, ptygmatic minor folds over lower 23cm 1 @86° to ca
	135.65		
	137.74	138.78	Amphibolite; f. – m. gr. dark green, massive, homogenous, ga 1-2mm (15%)
	138.78	138.95	Thondhemitic leucosome 1 @81° to ca
	142.08		

EOH @ 142.34m (467')
Casing left in



HOLES PLOTTED

TOTAL 1

MC-11-03

BAR GRAPHS L/R COL
Nb₂O₅ (ppm) R

ROCK CODES	PAT	CODE	DESCRIPTION
RockCode			
	0	3	casing
	3	Albite fenite	
	4	Mafic fenite	
	5	Pegmatite	
	7	Qz-fp-bi-hb gneiss	
	8	Amphibolite	
	9	CARBONATITE	

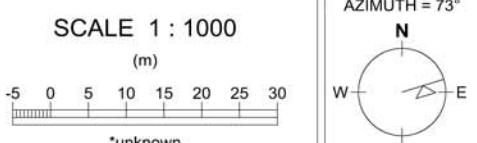
SECTION SPECS:

REF. PT. E, N 379332 m 5690395 m

EXTENTS 313.2 m 198.3 m

SECTION TOP, BOT 1520 m 1322 m

TOLERANCE +/- 10 m



IBC

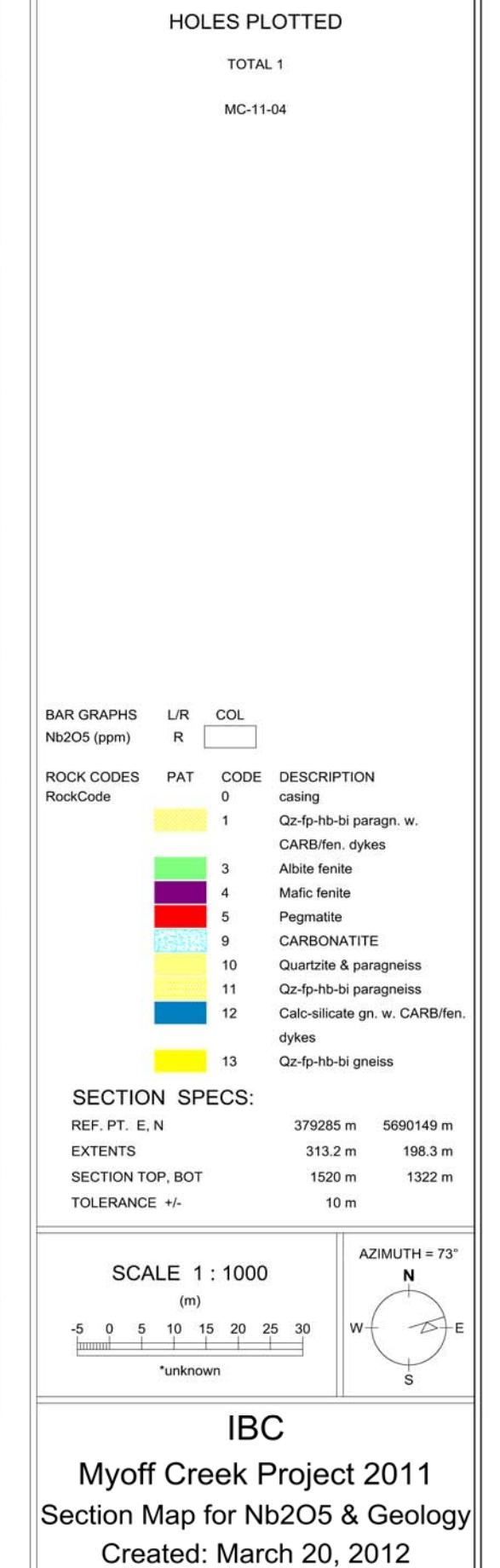
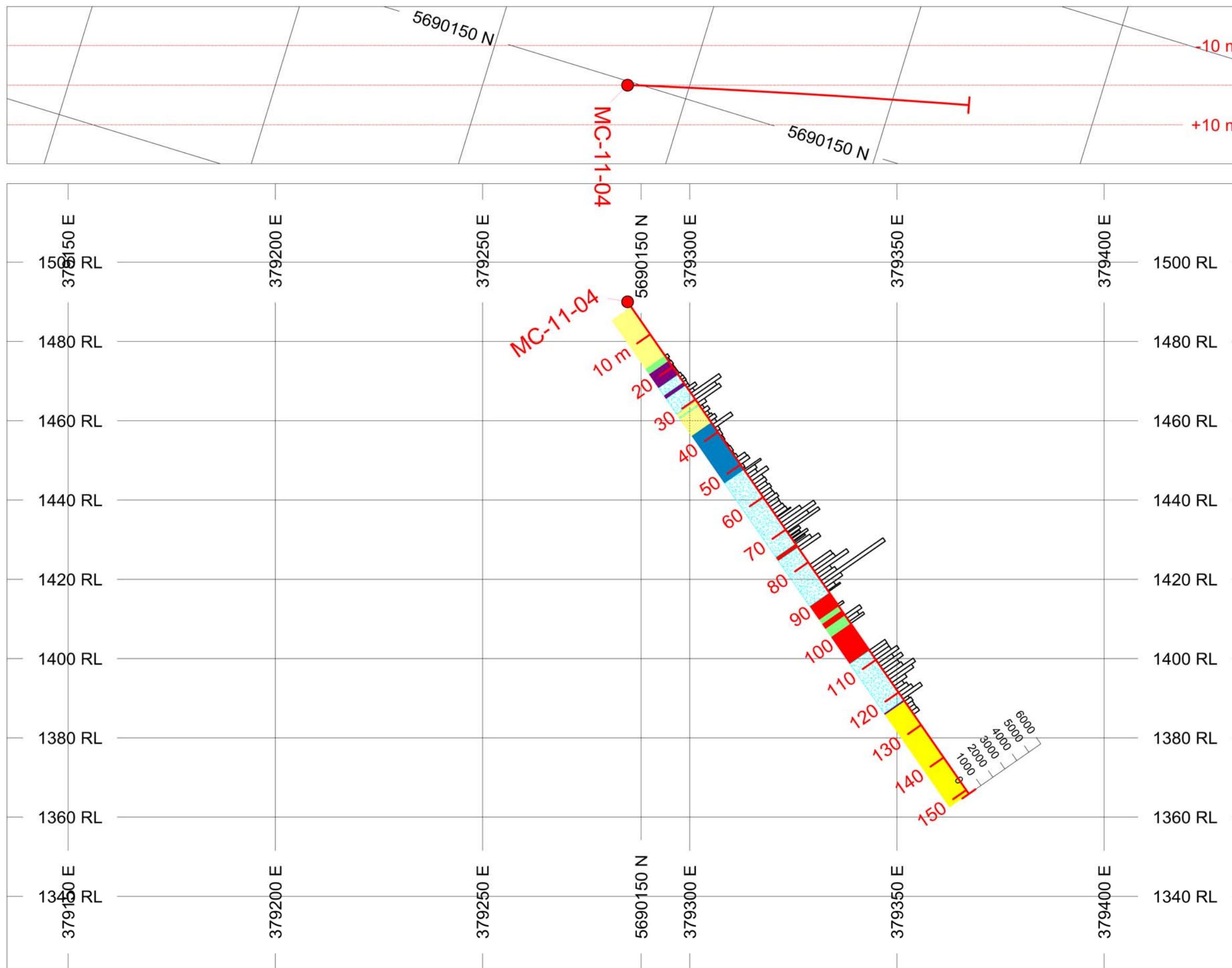
Myoff Creek Project 2011

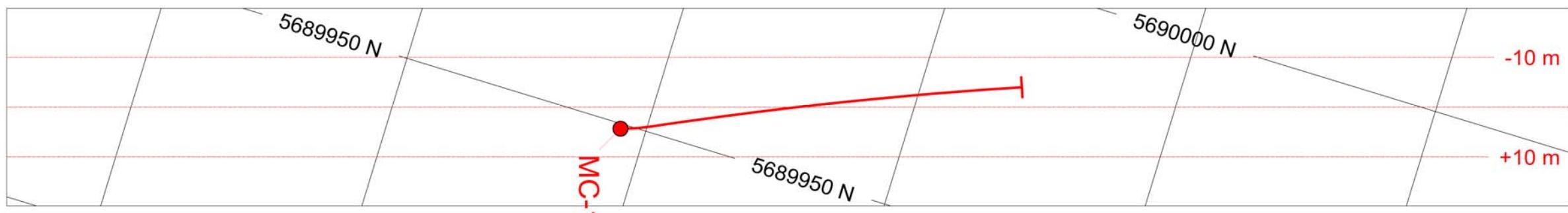
Section Map for Nb₂O₅ & Geology

Created: March 20, 2012

MC 11-04

0 – 1.52m	casing
1.52 – 16.51	impure quartzite/quartz-rich paragneiss
16.51 – 18.16	albite fenite
18.16 – 22.32	mafic fenite
22.32 – 23.91	carbonatite 40% mafics
23.91 – 24.71	carbonatite 30% mafics
24.72 – 25.66	mafic fenite
25.66 – 30.41	carbonatite 40% mafics (variable fabrics)
30.41 – 31.46	quartz-feldspar hornblende/biotite paragneiss
31.46 – 31.83	carbonatite 30% mafics
31.83 – 37.06	paragneiss with alternating ~3-10cm pods/veins of carbonatite
37.06 – 51.54	impure marble/calcareous schist with fenite and carbonatite in veins
51.54 – 66.91	carbonatite 40% mafics
66.91 – 74.38	carbonatite 20-30% mafics
74.38 – 75.38	pegmatite
75.38 – 81.08	carbonatite 5-20% mafics with varying pods of potassic feldspar fenite (?) and pegmatite, showing graphic and/or perthitic textures
81.08 – 89.40	carbonatite 40% mafics
89.40 – 93.52	pegmatite
93.52 – 94.82	albite fenite
94.82 – 96.32	pegmatite
96.32 – 98.82	albite fenite
98.82 – 107.06	pegmatite
107.06 – 122.30	carbonatite 30% mafics
122.30– 122.71	mafic fenite
122.71 – 151.18	calc-silicate orthogneiss/calcareous schist with some garnet-amphibolite patches
151.18	EOH

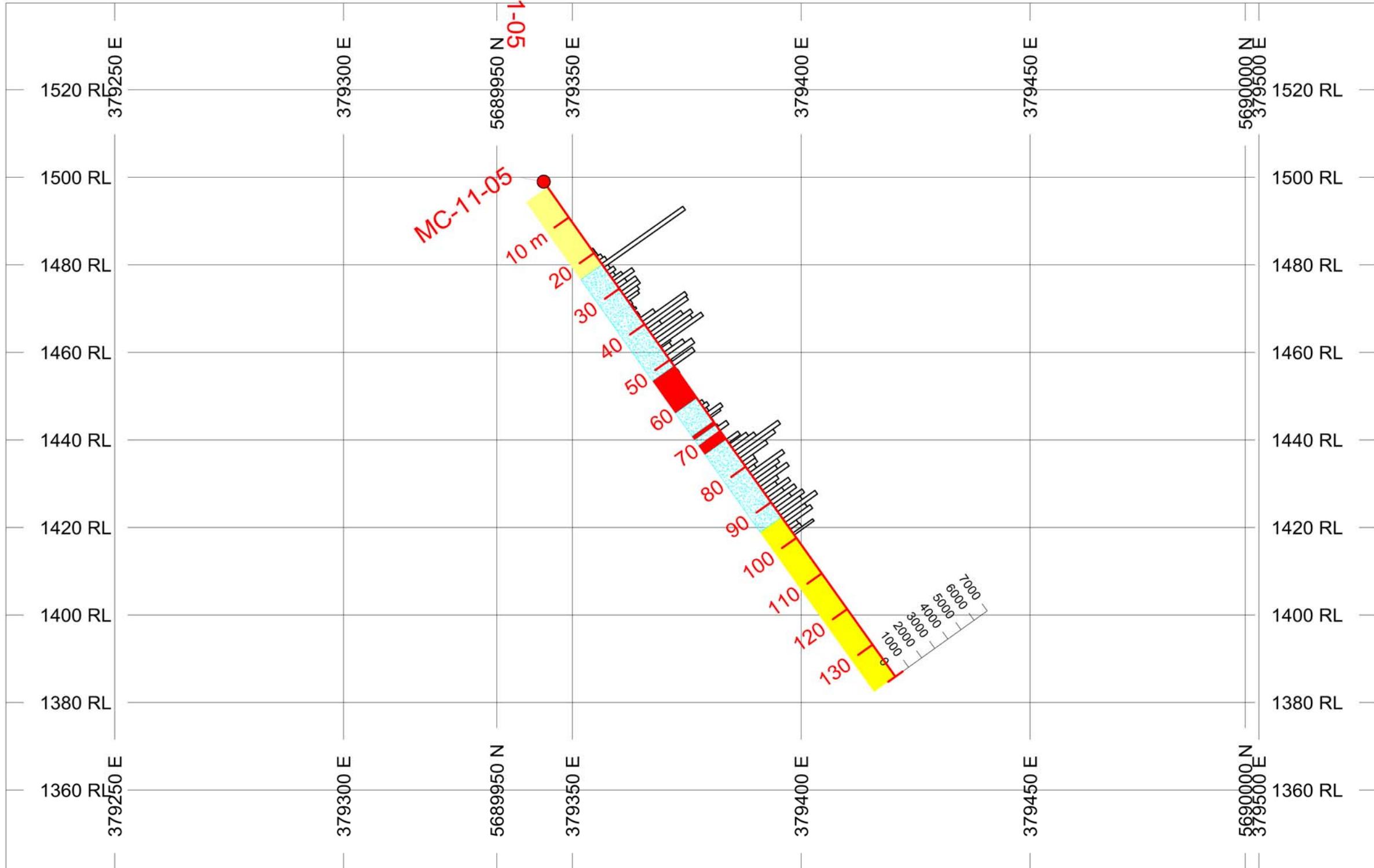




HOLES PLOTTED

TOTAL 1

MC-11-05



BAR GRAPHS L/R COL
Nb₂O₅ (ppm) R

ROCK CODES	PAT	CODE	DESCRIPTION
RockCode	0	casing	
	5	Pegmatite	
	9	CARBONATITE	
	10	Quartzite & paragneiss	
	13	Qz-fp-hb-bi gneiss	

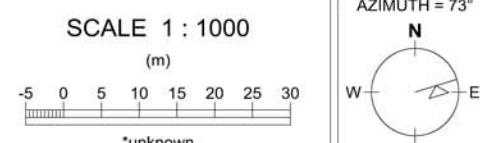
SECTION SPECS:

REF. PT. E, N 379376 m 5689963 m

EXTENTS 313.2 m 198.3 m

SECTION TOP, BOT 1540 m 1342 m

TOLERANCE +/- 10 m



IBC

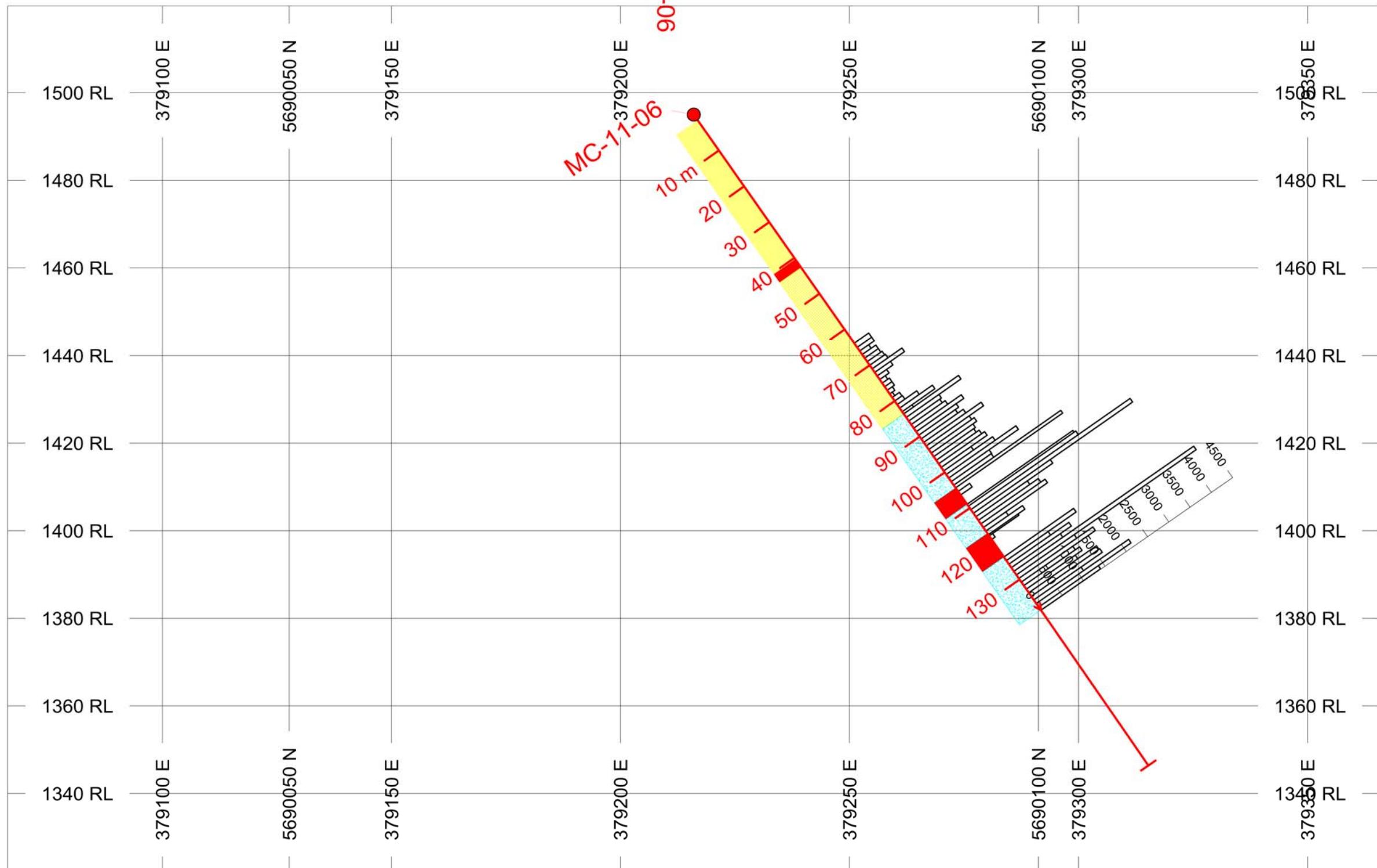
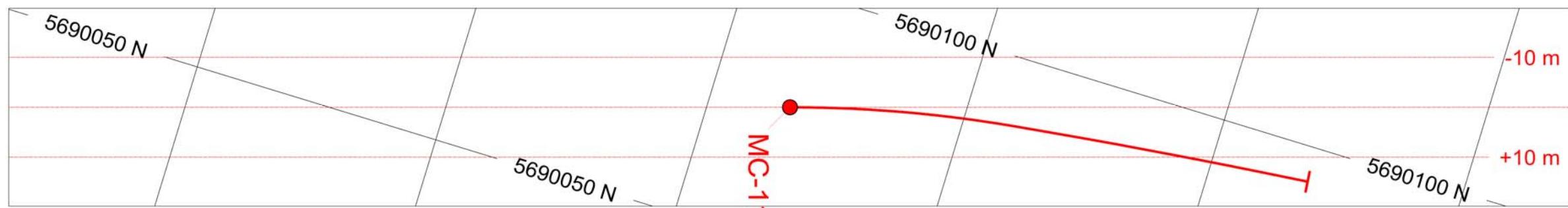
Myoff Creek Project 2011

Section Map for Nb₂O₅ & Geology

Created: March 20, 2012

MC 11-06

0 – 1.52m	casing
1.52 – 40.36	impure quartzite/quartz-rich paragneiss
40.36 – 42.63	pegmatite
42.63 – 83.60	impure quartzite/quartz rich paragneiss with veins (to ~10cm) of mafic fenites and carbonatites, increasingly fenitized but overall gneissic fabric is maintained
83.60 – 89.60	carbonatite 40% mafics
89.60 – 104.35	carbonatite 20-30% mafics
104.35 – 108.95	pegmatite
108.95 – 117.08	carbonatite 30% mafics
117.08 – 123.7	pegmatite
123.7 – 148.30	carbonatite 40% mafics
148.30 – 181.97	calc-silicate orthogneiss/calcareous schist with some garnet-amphibolite patches
181.97	EOH



0.00 3.05 Casing (10') - rubble, 0.28m recovered

Feldspar-Quartz-Biotite-Hornblende Gneiss

White on dark grey gneissic discontinuous color banding on a scale of 0.5-1.5cm

White flattened albite augen/porphyroblasts typically 1x2cm (5-15%) in a dark grey m. to c. gr. well banded matrix of white plagioclase (25%), buff-grey K-spar (7%), translucent pale grey quartz (20%), black biotite (30%) and green hornblende (10%). Ratio of quartzo-feldspathic to mafic components varys non-systematically downhole by as much as 20-30% in bedding units ranging from 20cm to 3m or more producing broad color variations from leuco (pale grey, felsic) to melano (dark green-grey, mafic) for the gross lithology.

Pyrite (tr-1%) occurs as fine <1mm disseminations and layer-parallel streaks.

Well developed gneissic foliation typically @ 60° to ca.

Lower contact sharp, conformable with underlying calc-silicate gneiss

Moderately hard, blocky, competent core.

Recovery ~98%

5.01 Dominant foliation @61° to ca

Calc-silicate Gneiss

Variegated in pastel shades of lavender-brown & mottled pale green/white on a scale of 0.5-1.5cm

Bi-fp-ga & qz-diop(ep)-calcite, f. to m. gr., planar foliation (use basic rock description from Cottonbelt logging -gg)

18.31 18.44 Pegmatite, conc., w. 2-3cm of albite fenite margins

21.66 23.55 Fp-qz-bi gneiss, m. to c.gr.

23.55 24.60 Micaceous quartzite, pale grey, well foliated

26.12 1 @56° to ca

30.79 30.96 Bi-fp-qz schist, m. to c.gr., soft

33.21 33.30 Qz-diop(ep)-calcite 95%

33.82 34.72 Qz-diop(ep)-calcite 80%, ragged tongues/embayments = partial replacement of bi-fp-ga by calc-silicate fraction

35.24 37.61 Fp-qz-bi gneiss, m. to c.gr., gradational with bi-fp-ga fraction of calc-silicate gneiss

35.93 Dominant foliation @59° to ca

39.48 40.56 Fp-qz-bi gneiss, m. to c.gr., gradational with bi-fp-ga fraction of calc-silicate gneiss

40.56 48.30 Qz-diop(ep)-calcite <5%(mainly the bi-fp-ga fraction, uniform, m. grey

42.24 45.11 Rubbly, broken core, recovery 89%, some limonite stain

44.00 Dominant foliation @61° to ca

47.30 47.56 Pegmatite

47.96 48.30 Pegmatite

52.00 Dominant foliation @54° to ca

52.47 93.80 F. gr. calc-silicate gneiss is overprinted by pervasive metasomatic alteration (fenitization; aegerine-augite, phlogopite) containing discrete narrow carbonatite bands and residual cores. Alteration intensity increases downhole. Fenite/carbonatite and altered cs gneiss is moderately to strongly magnetic, with v. f. gr magnetite preferentially disseminated in dark biotite lamellae/partings in the altered host.

52.87 52.88 Carbonatite (1cm) fizzy, conformable

53.12 53.13 Carbonatite (1cm) fizzy, conformable

53.36 53.39 Carbonatite (3cm) fizzy, conformable

53.46 53.80 Mafic fenite, with 10cm of carbonatite in centre, conformable

54.46 54.49 Carbonatite (3cm) fizzy, conformable

54.54 54.58 Carbonatite (mafics 20%) fizzy, conformable, diss. magnetite (1%)

54.67 54.72 Carbonatite (mafics 20%) fizzy, conformable, diss. magnetite (2%)

ilmenite?, other opaques?	55.05	55.33	Carbonatite (60%), mafic fenite (40%) semi-conformable band with diss and layer-parallel streaks of magnetite(5%),
	56.80	57.12	Zoned interval of mafic fenite (30%), carbonatite w. diss magnetite (20%,) and free quartz (25%)
	59.89	59.95	Carbonatite (6cm) fizzy, conformable
	60.14	60.18	Carbonatite (4cm) weak fizz
	61.49	61.58	Carbonatite with diss. magnetite (7%), fenite margins (9cm) fizzy, conformable
	62.46	62.50	Carbonatite (4cm) weak fizz
	63.34	63.97	Carbonatite (30%), fenite (70%), with disseminations/clots of magnetite (5-10%)
	64.82	64.90	Carbonatite (40%), fenite (60%)
	65.21	65.31	Carbonatite (10cm) fizzy, non-conformable
	65.27	65.44	Albite fenite, conformable
	65.90	66.05	Albite fenite, conformable
	66.32	66.45	Carbonatite (mafics 50%) fizzy, conformable, diss. magnetite (5%)
	67.55	67.74	Carbonatite (40%), fenite (60%), conformable
	67.81	67.90	Carbonatite (40%), fenite (60%), conformable
	68.06	68.09	Carbonatite (70%), fenite (30%), semi-conformable
	68.24	68.30	Carbonatite (90%), fenite (10%), conformable
	69.22	69.23	Magnetite (5%), pyrite (3%) stringer, conformable
	69.26	69.27	Carbonatite (1cm) weak fizz, conformable
	70.57	70.60	Carbonatite (3cm) fizzy, semi-conformable
	72.61	72.66	Carbonatite (5cm) fizzy, semi-conformable
	72.88	72.94	Carbonatite (6cm) fizzy, semi-conformable
	73.40	73.46	Carbonatite (6cm) fizzy, semi-conformable
	73.96	74.30	Broken core
	75.01	75.09	Carbonatite (6cm) weak fizz, semi-conformable
	77.50	77.54	Carbonatite (4cm) fizzy, conformable
	78.12	78.54	Carbonatite (mafics 30%) no fizz, diss. magnetite (5%), ilmenite, other opaques?
	78.76	78.95	Carbonatite (mafics 30%) no fizz, diss. magnetite (4%), po, py, other opaques?
	79.28	85.33	M. gr, grey qz-bi (fp) schist
		80.01	Carbonatite (4cm) weak fizz
		80.12	Carbonatite (mafics 30%) weak fizz, diss. magnetite (4%), po, py, other opaques?
		81.59	Carbonatite (mafics 30%) weak fizz, diss. magnetite (2%)
		82.03	Carbonatite (mafics 30%) weak fizz, diss. magnetite (1%), po (8%), py (5%), other opaques?
		82.37	Carbonatite (12cm) weak fizz, discordant
		82.68	Carbonatite (6cm) fizzy, markedly discordant, offshoot injected into fracture at high angle to layering
		83.43	1 @62° to ca
		85.25	Carbonatite (8cm) fizzy, discordant
	85.96		1 @58° to ca
	86.19	86.24	Carbonatite (5cm) fizzy, discordant
	86.82	86.85	Carbonatite (3cm) fizzy, semi-conformable
	87.00		1 @54° to ca
	87.25	87.37	Carbonatite (50%),fenite (50%), weak fizz, semi-conformable
	87.47	87.53	Carbonatite (40%),fenite (60%), fizzy, conformable
	88.34	88.40	Carbonatite (6cm) fizzy, semi-conformable
	88.47	88.55	Carbonatite (50%),fenite (50%), no fizz, conformable
	88.59	88.72	Carbonatite (60%),fenite (40%), fizzy, conformable
	90.04	90.12	Carbonatite (50%),fenite (50%), fizzy, conformable
	90.35	90.40	Carbonatite (60%),fenite (40%), fizzy, semi-conformable

90.96	91.01	Carbonatite (5cm) fizzy, conformable
91.20	91.26	Carbonatite (6cm) fizzy, semi-conformable
91.40	91.47	Carbonatite (7cm) fizzy, conformable
91.75	91.78	Carbonatite (3cm) fizzy, conformable

Note: core is sawn with both halves in the box, in portions of boxes 17-26 @ 91.94-137.53, 142.61-144.53, 146.84-148.33 -gg (2012 Mar 24)

92.32	92.34	Carbonatite (2cm) fizzy, conformable
92.42	92.68	Carbonatite (mafics 40%) weak fizz
92.89	93.03	Carbonatite (mafics 70%) fizzy
93.17	93.25	Carbonatite (mafics 50%) fizzy
93.36	93.80	Albite fenite; massive, consisting of c. gr. aegerine-augite (90%), vuggy with yellow-amber acicular barite(?) to 1cm, and d. green stubby prismatic aegerine crystals growing into vugs

93.80 167.97

Magnesio Carbonatite (Rauhaugite-Beforsite)

Black on white/p.grey sharply defined coarse spotting and irregular gneissic color banding on a scale of 2-15mm.

Groundmass consists of pale grey dolomite-ankerite (60-80%), white calcite (5-20%) and clear glassy apatite (5-15%). Carbonate minerals occur as coarse, irregular, interlocking, granoblastic grain growth mosaic 1-4mm, locally organized into diffuse compositional bands 2-10mm wide [possibly magmatic flow banding] in which creamy white interstitial calcite predominates over Mg-carbonate. The carbonate matrix supports anhedral apatite 1-2mm, as scattered ovoid "eyes" or aligned globular (occ. packed) grain aggregates. Apatite can reach 30-50% in diffuse compositional bands up to 5-10mm wide or locally predominates as pale grey to aquamarine vitreous polygonal grain (1-2mm) aggregates preferentially enclosing or rimmed by mafics & opaques. Mafics include m. to c. gr black biotite (to bronze-brown phlogopite) foliae <1-5mm wide or scattered flattened grains (0-7%) and bluish-green m.gr. stubby to elongate-prismatic amphibole [riebeckite? richterite?] often intergrown with biotite (0-3%). Accessory opaque minerals include finely disseminated irregular grains of pyrrhotite (tr-1%), magnetite (tr-4%), ilmenite (tr-1%), hematite, chalcopyrite, molybdenite, and pyrite with possible microcrystalline columbite?, pyrochlore?, monazite? Opaques tend to be preferentially associated with mafics.

The carbonatite is intimately interbanded with black to d.brown c.gr. mafics in gneissic foliae & masses. , consisting of biotite(50-80%), phlogopite(10-20%), and amphibole (20-30%). The relative percentage of carbonatite vs mafic components vary systematically downhole.

Soft to moderate, blocky, core.

Recovery ~98%

93.80	96.68	Carbonatite (mafics 40%)
93.80	97.35	Carbonatite (mafics 75%), disruption, minor folding
97.35	99.34	Carbonatite (mafics 50%)
99.34	103.87	Carbonatite (mafics 30%)
100.44	100.87	Chalky, f. gr. weak fizz, layering (flow banding) @62° to ca
101.01	101.15	Diss. magnetite (6%)
101.66	101.78	Diss. magnetite (5%)
102.33	102.37	Ilmenite, magnetite lamellae (10%)
103.64	103.68	Ilmenite, magnetite lamellae (8%)
103.87	104.94	Carbonatite (mafics 70%)
104.94	105.57	Carbonatite (mafics 10%), clean, banded, f. gr. chalky, fizzy, layering (flow banding) @71° to ca
105.13	105.50	Blebs, diss. magnetite (4%)
105.57	105.87	Carbonatite (mafics 95%), dark, impure, soft (incomplete assimilation of country rock layer?)
105.87	106.06	Carbonatite (70%), fenite (30%), fizzy
106.06	108.39	Albite fenite; massive, green/white mottled, c.gr. aegerine-augite(65%), phlogopite(5%), albite(10%); overprints/replaces carbonatite over 2cm at base. Subtle compositional changes, weak banding and pseudo-porphyritic(1cm) textures in this sub-unit suggest that it formed by incomplete assimilation & metasomatism of a layered albititic(?) country rock sequence

108.39	116.26	Carbonatite (mafics 35%), variably weak to strong fizz
108.75	108.77	Ilmenite, magnetite lamellae (10%)
116.26	120.52	Carbonatite (mafics 45%), no fizz
116.31	116.34	Ilmenite, magnetite lamellae, blebs (20%)

116.40	116.52	Ilmenite, magnetite lamellae, blebs (15%)
116.97	116.99	Pyrrhotite, pyrite, ilmenite, magnetite stringer (30%)
117.17	117.20	Pyrrhotite, pyrite, magnetite stringer, blebs (20%)
117.33	118.26	Magnetite coarse clots (to 10mm), blebs and diss. (5-40%), photo of detail
	117.60	117.74 Primary magmatic layering(?) outlined by pyrrhotite, magnetite, aegerine-augite, phlogopite compositional bands 3-8mm wide in magnesio carbonatite, deformed into 10cm open minor fold w. flat axis @~90° to ca, several photos of detail

118.45	118.47	Ilmenite, magnetite lamellae (5%)
118.73	118.77	Ilmenite, magnetite lamellae (15%)
118.33	118.58	Mafic fenite
120.01	120.52	Mafic fenite

120.52	121.44	Pegmatite
121.44	127.21	Carbonatite (mafics 15%)
	124.56	1 @59° to ca
	125.81	Mafic fenite
127.21	140.90	Pegmatite ; hard, brittle, hackly core
140.90	144.47	Carbonatite (mafics 15%), fizzy
	142.80	1 @60° to ca
144.47	146.17	Pegmatite ; contacts appear semi-conformable with layering in the carbonatite
146.47	156.96	Carbonatite (mafics 40%), fizzy
	154.15	154.25 Diss. magnetite (3%)
156.96	167.97	Carbonatite (mafics 50%), fizzy, lower contact sharp against qz-fp-hb-bi schist
	163.21	1 @55° to ca
	167.39	167.50 Mud seam, core loss

167.97 185.32 Quartz-Feldspar-Hornblende (Biotite)-Schist

Grey-green speckled, brownish grey & pale grey color banding on a scale of 0.5-10cm

Alternating bands of white albite-quartz with abundant minute (<1mm) scattered flattened green hornblende (>talc) grains, soft brownish-grey biotite (quartz-feldspar-chlorite) and pale grey laminated f. gr albite-quartz-sillimanite (albitite) rarely with d. green m.gr.hornblende laths aligned along foliation. Biotitic component increases and predominates downhole imparting a dull brown-grey color overall

Unit is locally altered by albite-K-spar fenite (5-15%) comprising intergrown c.gr. pale green granoblastic aegerine-augite (55%), white albite (30%), buff K-spar (10%), d. green aegerine (3%), bronze-brown phlogopite (3%) in mottled pale green & white irregular boudinaged lenses and knots preferentially replacing matrix biotite. Fenitization strongest against overlying carbonatite, decreasing downhole

Strongly developed penetrative mineral foliation averaging @60° to ca.

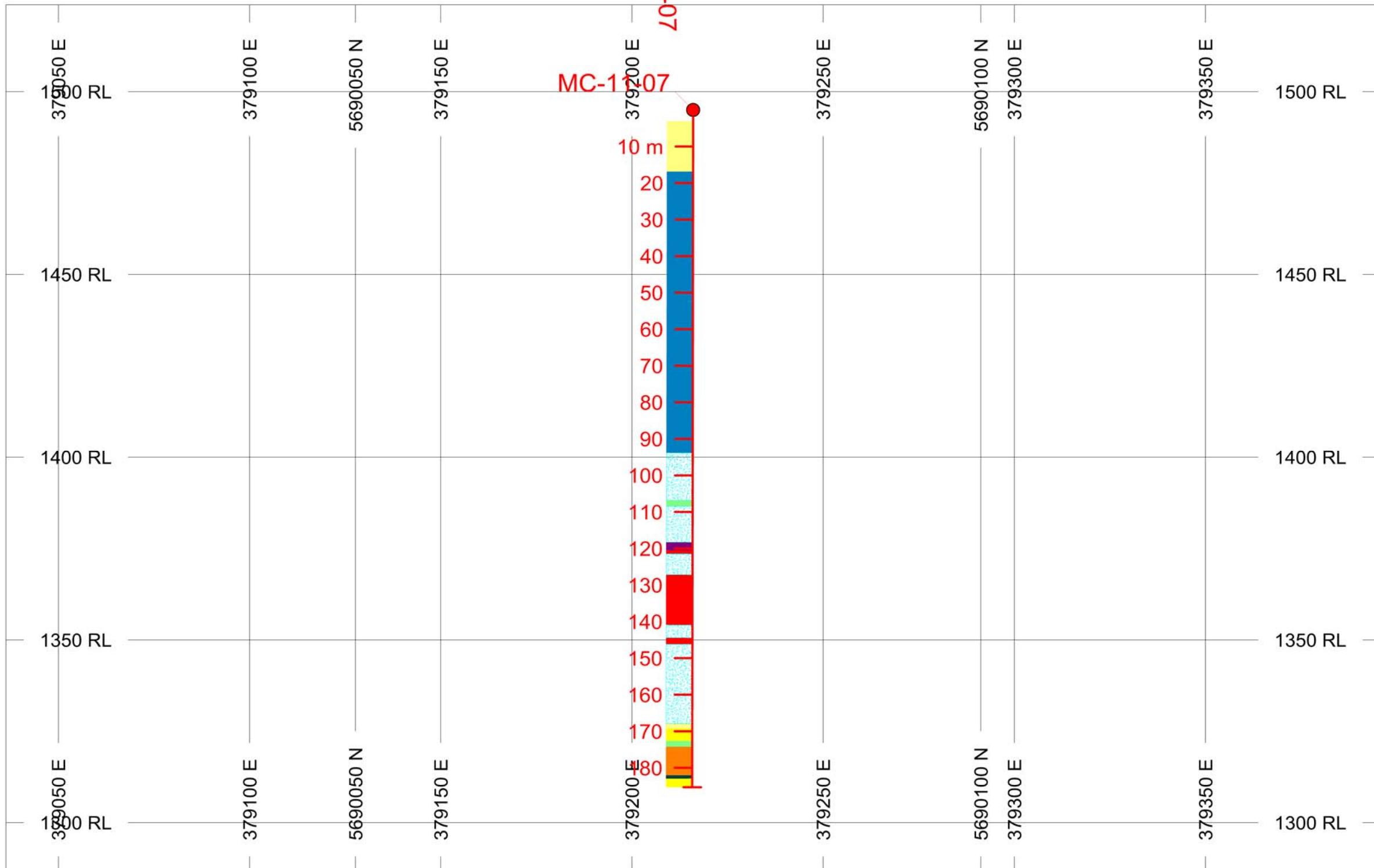
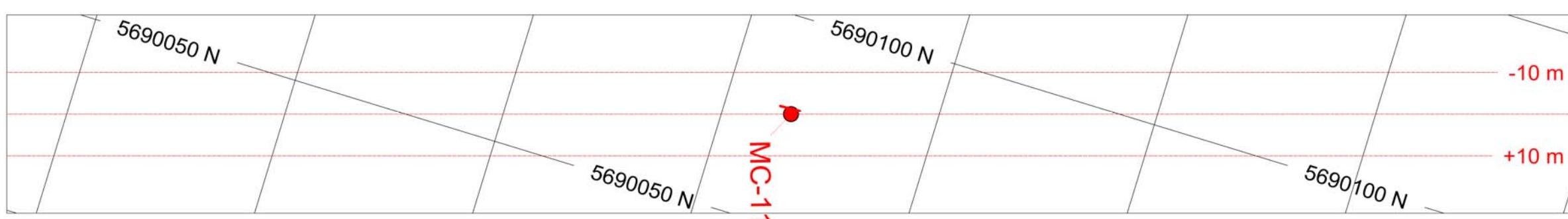
Moderately hard, flaggy, relatively competent core, becoming softer and more broken/rubbly downhole.

Recovery ~95%

168.27	168.36	Carbonatite (40%), fenite (60%)
168.72	168.86	Carbonatite (30%), fenite (70%), conformable
169.06	169.32	Carbonatite (30%), fenite (70%), conformable
170.38		1 @62° to ca
172.65	172.92	Albite fenite
173.00	173.37	Biotite-kyanite schist, c.gr., soft
173.69	173.81	Albite fenite
173.95	174.24	Albite fenite
180.00	180.83	Laminated quartzite, f.gr., tan, white, grey banded
180.83	181.00	Free quartz layer; sharp conformable planar contacts
181.66	182.05	Laminated quartzite, f.gr., tan, white, grey banded

182.05 182.94 Amphibolite, c.gr. hb-ga
185.32 Dominant foliation @62° to ca

EOH @ 185.32m (608')
Casing left in



HOLES PLOTTED

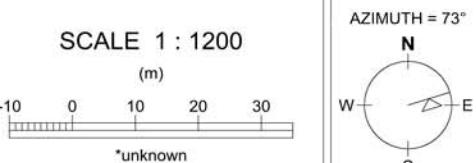
TOTAL 1

MC-11-07

ROCK CODES RockCode	PAT	CODE	DESCRIPTION	
			L/R	COL
		0	casing	
		1	Qz-fp-hb-bi paragn. w. CARB/fen. dykes	
		3	Albite fenite	
		4	Mafic fenite	
		5	Pegmatite	
		8	Amphibolite	
		9	CARBONATITE	
		12	Calc-silicate gn. w. CARB/fen. dykes	
		13	Qz-fp-hb-bi gneiss	
		14	Calc-silicate gneiss	
		15	Fp-qz-bi-hb paragneiss	
		16	Quartzite	

SECTION SPECS:

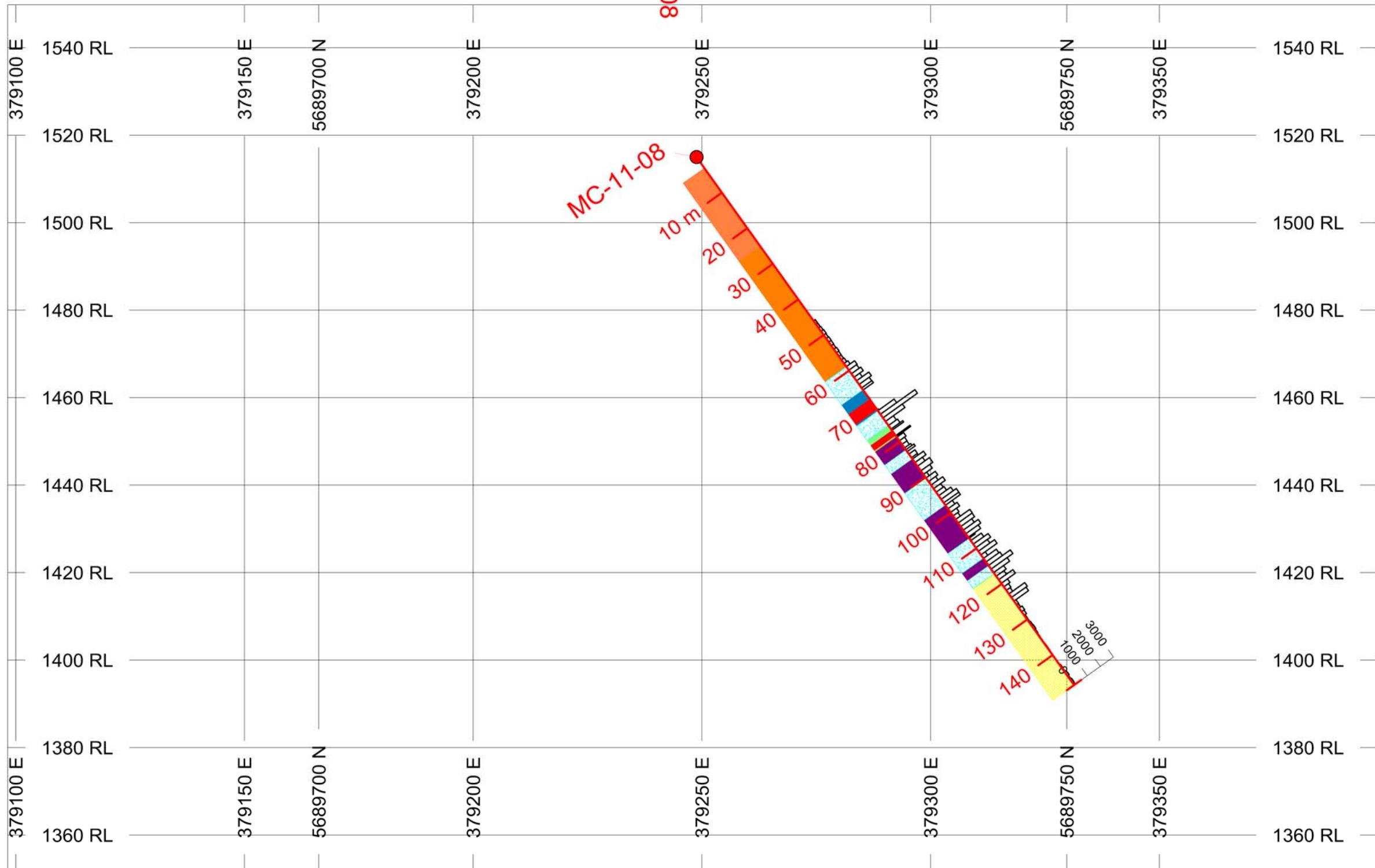
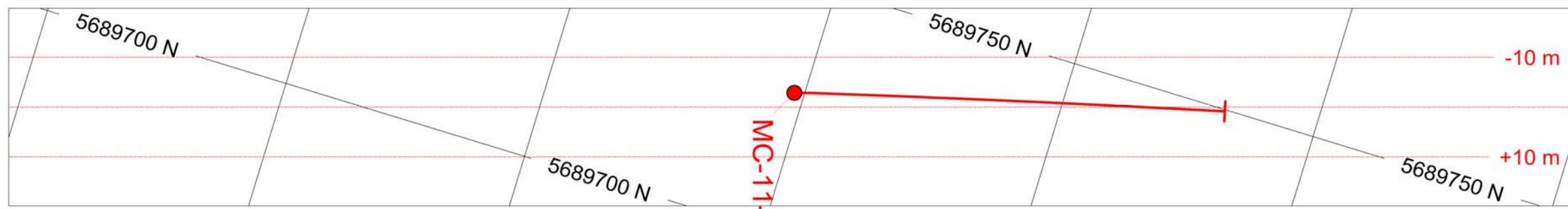
REF. PT. E, N	379216 m	5690077 m
EXTENTS	375.8 m	237.9 m
SECTION TOP, BOT	1524 m	1286 m
TOLERANCE +/-	10 m	



IBC
Myoff Creek Project 2011
Section Map for Nb₂O₅ & Geology
Created: March 20, 2012

MC 11-08

0 – 3.05m	casing
3.05 – 58.90	quartzite and quartz-feldspar hornblende/biotite paragneiss gradually and increasingly becoming fenitized and carbonatized
58.90 – 65.47	carbonatite 40% mafics
65.47 – 68.06	impure marble/calcareous schist
68.06 – 71.05	pegmatite
71.05 – 71.30	impure marble/calcareous schist
71.30 – 75.46	carbonatite 30% mafics
75.46 – 76.81	albite fenite
76.81 – 78.29	pegmatite
78.29 – 78.58	albite fenite
78.58 – 78.75	pegmatite
78.75 – 82.28	mafic fenite
82.28 – 84.88	carbonatite 20-30% mafics
84.88 – 90.20	mafic fenite
90.20 – 97.87	carbonatite 30% mafics
97.87 – 107.15	mafic fenite
107.15 – 112.81	carbonatite 40% mafics
112.81 – 114.81	mafic fenite
114.81 – 117.11	carbonatite
117.11 – 148.44	calc-silicate orthogneiss with veins of fenites and carbonatite, and patches of garnet-amphibolite
148.44	EOH



Quality Analysis ...



Innovative Technologies

Date Submitted: 09-Jan-12
Invoice No.: A12-00167 (i)
Invoice Date: 17-Feb-12
Your Reference: Myoff Creek

International Bethlehem Mining Corp.
2489 Bellevue Ave.
Vancouver B.C. V7V 1E1
Canada

ATTN: Gordon Gibson

CERTIFICATE OF ANALYSIS

24 Pulp samples and 578 Rock samples were submitted for analysis.

The following analytical packages were requested: Code 8-Nb2O5 - XRF Option XRF
Code 8-REE Assay Package Major Elements Fusion
REPORT **A12-00167 (i)** ICP(WRA)/Trace Elements Fusion ICP/MS(WRA4B2)

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

Notes:

Total includes all elements in % oxide to the left of total.

CERTIFIED BY :

A handwritten signature in black ink, appearing to read "Emmanuel Eseme". It is positioned above a horizontal line.

Emmanuel Eseme , Ph.D.

Quality Control

ISO/IEC 17025



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Activation Laboratories Ltd. Report: A12-00167 (i) rev 3

Analyte Symbol	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	LOI	Total	Sc	Be	V	Cr	Co	Ni	Cu	Zn	Ga	Ge	As	Rb
Unit Symbol	%	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.01	0.01	0.01	0.001	0.01	0.01	0.01	0.01	0.001	0.01	0.01	0.01	1	1	5	20	1	20	10	30	1	1	5	2
Analysis Method	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS								
A544001	54.46	9.17	7.69	0.354	10.33	8.23	1.55	5.28	0.859	0.42	2.07	100.4	20	4	93	60	17	50	< 10	230	21	3	< 5	107
A544002	47.50	6.61	6.12	0.503	11.65	17.32	1.46	3.12	0.761	0.25	5.02	100.3	11	2	69	80	12	40	< 10	150	14	2	< 5	58
A544003	54.52	9.16	8.17	0.256	8.86	6.97	1.11	4.85	1.526	0.40	4.80	100.6	24	3	137	120	17	70	< 10	190	18	3	< 5	94
A544004	73.28	9.07	4.85	0.076	4.46	0.78	1.78	4.36	0.334	0.23	1.27	100.5	55	3	65	50	5	< 20	< 10	110	21	3	< 5	76
A544005	58.28	8.66	7.65	0.411	7.46	5.77	1.59	4.81	0.941	0.74	1.65	97.98	47	4	118	70	11	40	< 10	170	41	5	14	93
A544006	52.72	11.39	10.76	0.160	8.55	3.84	1.68	6.52	1.877	0.60	1.93	100.0	26	4	209	100	27	100	< 10	230	23	3	< 5	143
A544007	58.81	7.16	8.53	0.342	6.79	6.09	1.55	4.23	0.873	0.92	2.21	97.50	49	4	127	70	13	30	< 10	280	53	7	21	98
A544008	53.83	6.00	7.19	0.481	7.01	7.94	1.35	3.71	0.277	1.23	4.60	93.60	67	3	108	30	4	< 20	10	260	77	11	38	95
A544009	29.80	2.09	5.82	0.997	10.09	16.03	0.89	1.30	0.101	1.34	13.65	82.10	62	2	46	< 20	1	< 20	< 10	180	114	14	77	35
A544010	43.82	3.44	8.02	0.649	8.40	13.18	2.68	2.18	0.277	1.34	6.56	90.54	85	6	93	30	9	< 20	< 10	210	31	5	18	52
A544011	74.04	8.98	3.24	0.105	2.52	2.62	4.33	2.91	0.199	0.30	0.92	100.2	29	4	45	50	3	< 20	10	100	16	2	< 5	67
A544012	36.70	4.10	8.95	0.692	10.35	17.44	3.12	2.84	0.309	1.71	10.98	97.19	82	8	102	30	8	< 20	20	320	26	3	11	83
A544013	68.42	8.29	4.29	0.167	3.90	3.48	3.81	4.22	0.189	0.56	1.30	98.62	47	6	58	50	3	< 20	< 10	140	22	2	< 5	59
A544014	28.34	4.06	10.25	1.009	12.40	17.57	2.79	2.21	0.182	1.20	16.44	96.44	88	5	65	20	10	< 20	40	520	44	5	19	55
A544015	33.58	6.32	8.57	0.890	10.72	14.20	3.01	3.35	0.228	1.18	13.59	95.63	37	6	57	30	11	< 20	20	1400	21	3	8	79
A544016	44.63	9.66	8.42	0.589	7.25	9.87	3.85	5.15	0.344	1.11	7.18	98.05	41	5	70	50	13	20	20	370	20	2	5	92
A544017	33.66	6.86	8.15	0.705	8.33	17.73	2.94	3.70	0.291	1.68	12.56	96.60	42	4	55	30	10	< 20	20	270	25	3	9	104
A544018	52.45	14.39	6.62	0.233	5.36	3.42	4.08	7.07	0.479	0.58	3.52	98.20	13	3	51	80	16	30	20	270	25	2	< 5	142
A544019	37.04	9.84	7.33	0.735	8.65	11.66	3.09	4.63	0.311	1.03	12.30	96.60	16	3	34	40	12	< 20	20	170	21	2	7	103
A544020	23.29	6.06	6.34	0.928	11.36	18.61	1.55	3.67	0.287	0.79	21.63	94.51	16	3	36	40	8	< 20	20	190	33	4	11	89
A544021	42.17	11.04	5.42	0.409	9.81	8.98	3.53	5.30	0.325	0.91	9.38	97.29	29	5	45	50	8	< 20	10	190	26	2	6	114
A544022	26.37	3.90	5.39	0.726	14.15	18.81	2.27	2.80	0.112	1.91	21.77	98.20	66	5	41	< 20	5	< 20	< 10	220	15	2	7	47
A544023	42.14	5.27	6.25	0.570	11.39	10.91	3.86	4.18	0.148	1.17	11.12	97.01	89	7	55	20	4	< 20	< 10	210	19	2	7	58
A544024	30.49	2.16	6.46	0.822	12.68	17.76	3.28	2.19	0.132	1.77	17.17	94.90	98	5	47	20	3	< 20	< 10	300	50	6	17	41
A544025	58.91	7.52	5.44	0.259	7.96	4.25	4.14	5.44	0.211	0.89	2.56	97.59	82	8	56	30	3	< 20	< 10	270	26	3	8	99
A544026	72.41	6.14	3.84	0.150	5.24	2.73	3.13	4.30	0.124	0.59	1.34	99.99	63	7	42	60	2	< 20	< 10	140	12	2	< 5	77
A544027	13.16	1.11	4.32	0.896	13.90	26.28	1.32	1.09	0.100	0.89	31.57	94.63	45	3	15	< 20	< 1	< 20	< 10	110	15	2	5	31
A544028	73.05	7.22	3.41	0.136	4.14	2.57	3.22	4.82	0.188	0.56	1.47	100.8	44	6	36	40	2	< 20	< 10	110	13	1	< 5	78
A544029	60.53	8.18	5.72	0.259	5.45	4.81	4.88	4.41	0.265	0.56	3.12	98.17	53	10	60	30	3	< 20	< 10	230	29	3	7	66
A544030	64.51	8.20	5.25	0.242	5.41	3.83	3.81	5.39	0.237	0.38	2.61	99.86	55	7	52	50	4	< 20	< 10	170	16	2	< 5	89
A544031	60.71	7.22	5.73	0.229	5.99	4.68	3.93	4.70	0.239	0.74	2.55	96.73	69	9	64	30	4	< 20	< 10	1350	16	2	< 5	64
A544032	67.99	8.04	4.86	0.195	4.65	3.50	3.86	4.85	0.202	0.45	1.65	100.3	49	9	57	40	3	< 20	< 10	170	15	2	< 5	61
A544033	66.54	6.98	5.39	0.236	4.74	4.60	4.18	3.43	0.232	0.46	2.25	99.03	55	8	62	40	7	< 20	< 10	220	17	2	6	45
A544034	51.10	5.92	7.48	0.457	7.74	11.49	4.11	3.41	0.493	1.17	6.23	99.60	91	8	79	40	9	30	< 10	180	19	3	7	52
A544035	37.02	3.32	7.07	0.871	10.30	17.29	2.38	2.50	0.117	1.50	15.96	98.34	84	5	50	< 20	10	< 20	< 10	250	19	2	8	37
A544036	64.85	5.17	4.20	0.371	3.07	9.37	2.06	3.69	0.118	0.44	6.18	99.52	37	4	41	30	3	< 20	< 10	130	25	3	8	48
A544037	77.50	6.62	3.59	0.123	1.81	2.38	2.08	4.33	0.197	0.34	0.75	99.72	33	3	45	50	2	< 20	< 10	120	15	2	< 5	60
A544038	25.35	5.98	7.76	0.510	12.81	20.13	0.81	5.07	0.500	2.46	15.31	96.68	27	3	68	50	16	30	20	330	21	2	6	132
A544039	22.43	6.15	7.98	0.285	10.01	25.05	1.60	3.34	0.616	2.50	19.60	99.56	21	3	77	60	24	40	30	140	16	2	< 5	88
A544040	14.98	3.36	6.84	0.376	10.20	28.57	0.61	2.68	0.435	3.16	24.51	95.72	24	3	51	40	19	< 20	20	90	16	2	< 5	71
A544041	13.58	2.99	6.04	0.373	11.93	27.36	0.65	2.53	0.375	3.99	26.27	96.09	24	3	43	30	13	20	20	100	16	2	5	64
A544042	19.90	4.43	7.44	0.334	9.77	26.48	1.12	3.58	0.521	2.37	20.85	96.79	32	4	60	60	22	50	30	130	18	2	< 5	88
A544043	18.50	4.30	6.85	0.418	9.40	27.80	1.04	3.50	0.399	2.45	22.57	97.23	38	3	58	30	15	< 20	20	130	22	3	6	87
A544044	23.39	5.99	9.03	0.375	9.57	22.86	1.39	4.34	0.649	2.57	16.93	97.09	42	3	98	40	21	20	30	150	24	3	6	106
A544045	33.54	9.55	10.46	0.298	11.15	13.12	2.06	5.80	0.932	1.43	10.39	98.73	26	3	117	50	25	30	30	210	25	2	< 5	141
A544046	32.17	8.70	10.20	0.322	12.42	12.66	1.65	5.91	0.855	1.57	10.33													

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Analyte Symbol	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	LOI	Total	Sc	Be	V	Cr	Co	Ni	Cu	Zn	Ga	Ge	As	Rb
Unit Symbol	%	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.01	0.01	0.01	0.001	0.01	0.01	0.01	0.01	0.001	0.01	0.01	0.01	1	1	5	20	1	20	30	1	1	5	2	
Analysis Method	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS								
A544053	16.23	4.38	7.44	0.297	8.08	30.10	1.22	2.33	0.506	2.95	23.91	97.46	23	2	71	30	17	20	20	100	14	2	< 5	57
A544054	18.99	4.39	8.18	0.412	10.19	26.33	1.22	2.44	0.489	2.50	21.41	96.56	28	3	63	40	17	30	20	140	18	2	< 5	81
A544055	11.61	2.57	9.14	0.499	9.38	31.20	0.45	1.75	0.731	2.78	23.75	93.86	25	3	80	60	16	30	20	110	16	2	< 5	50
A544056	41.32	6.08	3.11	0.116	10.08	22.71	1.59	2.62	0.439	0.17	10.60	98.85	6	3	65	40	6	30	10	40	10	3	< 5	92
A544057	6.38	0.97	10.87	0.435	11.92	28.30	0.36	0.89	0.405	4.00	29.31	93.82	24	2	93	20	15	20	10	100	9	1	< 5	28
A544058	4.90	0.89	9.23	0.465	9.67	33.31	0.25	0.80	0.357	3.81	31.12	94.81	22	< 1	77	< 20	13	< 20	10	110	14	2	5	27
A544059	16.86	3.82	6.95	0.435	12.80	25.01	0.61	2.56	0.203	2.74	24.71	96.71	23	2	54	< 20	13	< 20	< 10	170	13	1	< 5	91
A544060	7.30	1.23	7.71	0.478	9.45	33.87	0.23	0.94	0.402	3.10	30.78	95.47	28	2	70	40	13	20	< 10	110	8	1	< 5	31
A544061	61.58	15.41	1.88	0.085	2.02	6.96	5.33	2.86	0.044	0.29	2.91	99.37	11	4	14	40	1	< 20	< 10	50	18	1	< 5	56
A544062	22.90	5.58	7.30	0.360	9.44	25.46	1.05	3.08	0.426	2.11	19.43	97.13	32	3	84	20	16	< 20	10	140	17	2	< 5	106
A544063	60.21	14.92	1.66	0.087	1.26	6.70	3.90	6.76	0.093	0.56	3.66	99.80	12	3	22	50	2	< 20	< 10	< 30	16	1	< 5	111
A544064	14.50	2.28	9.06	0.414	9.58	30.29	0.35	1.81	1.045	2.92	23.34	95.58	37	4	89	80	18	30	30	150	15	2	< 5	59
A544065	67.75	13.40	1.17	0.040	0.53	4.92	4.12	4.23	0.037	0.37	2.68	99.24	4	3	8	70	2	< 20	< 10	< 30	18	1	< 5	83
A544066	6.62	1.00	6.25	0.644	13.73	29.03	0.15	0.68	0.200	3.05	33.75	95.10	23	1	33	20	9	< 20	< 10	70	9	1	< 5	28
A544067	58.65	11.92	1.93	0.130	2.27	9.77	2.47	6.38	0.060	0.56	6.03	100.2	8	2	14	40	2	< 20	< 10	30	17	2	< 5	134
A544068	12.90	2.33	4.98	0.499	9.88	32.80	0.28	1.51	0.161	3.76	28.62	97.73	25	2	37	< 20	8	< 20	< 10	60	11	2	5	46
A544069	70.22	16.08	0.65	0.019	0.30	2.61	4.83	4.08	0.034	0.05	0.79	99.66	2	4	7	60	< 1	< 20	< 10	< 30	18	< 1	< 5	79
A544070	11.22	2.07	10.50	0.479	11.81	27.38	0.47	1.29	1.037	3.44	26.03	95.72	27	3	100	80	17	50	20	140	14	2	< 5	42
A544071	3.87	0.57	6.41	0.614	16.37	27.66	0.14	0.40	0.367	2.28	37.49	96.17	19	1	38	30	8	< 20	20	150	9	1	< 5	13
A544072	71.87	14.10	0.70	0.027	0.40	2.51	4.13	4.00	0.042	0.05	0.83	98.65	2	3	6	< 20	< 1	< 20	< 10	< 30	16	< 1	< 5	80
A544073	73.87	14.62	0.46	0.008	0.13	1.78	4.45	3.95	0.025	0.02	0.51	99.83	< 1	3	6	< 20	< 1	< 20	< 10	< 30	14	< 1	< 5	72
A544074	72.76	15.57	0.44	0.006	0.07	0.92	3.37	7.21	0.036	0.01	0.35	100.7	< 1	2	6	< 20	< 1	< 20	< 10	< 30	14	1	< 5	143
A544075	71.62	15.19	0.56	0.016	0.10	2.64	5.49	2.37	0.031	0.02	0.92	98.94	1	3	5	< 20	< 1	< 20	< 10	< 30	15	< 1	< 5	41
A544076	72.35	15.51	0.61	0.022	0.19	3.32	6.28	1.36	0.040	< 0.01	1.29	101.0	1	4	7	< 20	< 1	< 20	< 10	< 30	14	1	< 5	16
A544077	14.72	3.37	9.87	0.429	9.49	29.03	0.47	2.00	0.639	3.16	23.68	96.86	27	2	92	80	22	30	10	180	12	1	< 5	67
A544078	12.44	2.09	13.12	0.407	9.94	27.28	0.54	1.63	1.019	3.70	20.81	92.98	32	3	126	70	30	40	40	120	15	2	< 5	49
A544079	8.23	1.12	19.88	0.495	8.21	28.47	0.58	0.88	0.705	3.71	22.68	94.97	40	2	266	50	21	20	20	200	15	2	< 5	26
A544080	10.41	1.77	11.00	0.604	12.16	27.78	0.48	1.37	0.441	3.86	24.46	94.33	37	3	77	50	16	< 20	20	210	17	3	7	48
A544081	8.55	1.37	11.50	0.509	12.20	27.94	0.40	1.20	0.850	4.13	26.60	95.24	35	2	85	30	21	20	20	130	15	2	< 5	36
A544082	6.54	0.73	16.29	0.436	6.79	33.59	0.46	0.61	1.103	6.07	22.73	95.33	54	1	214	40	26	30	20	220	18	3	< 5	18
A544083	6.29	0.96	17.98	0.603	10.68	26.92	0.38	0.81	0.470	4.86	23.58	93.52	45	2	100	30	25	30	20	200	17	2	6	25
A544084	12.64	2.81	10.21	0.605	13.04	25.55	0.44	2.28	0.342	3.51	23.92	95.35	31	2	79	< 20	14	< 20	10	220	18	2	5	76
A544085	16.01	3.49	7.66	0.520	13.09	26.14	0.45	2.56	0.474	3.21	23.81	97.41	31	3	64	40	13	30	10	140	14	2	< 5	82
A544086	76.27	11.82	0.81	0.016	0.25	2.04	3.69	3.17	0.051	0.04	0.41	98.57	1	3	8	< 20	< 1	< 20	< 10	< 30	13	< 1	< 5	57
A544087	80.10	10.49	0.61	0.013	0.11	1.83	3.27	2.44	0.035	0.02	0.35	99.27	< 1	2	6	< 20	< 1	< 20	< 10	< 30	10	< 1	< 5	42
A544088	76.14	12.40	0.63	0.011	0.12	1.59	3.27	4.29	0.035	0.02	0.29	98.79	< 1	2	7	< 20	< 1	< 20	< 10	< 30	11	1	< 5	73
A544089	69.62	17.38	0.64	0.012	0.20	1.67	3.91	6.86	0.044	0.03	0.35	100.7	1	2	7	< 20	< 1	< 20	< 10	< 30	16	1	< 5	110
A544090	43.17	9.39	7.61	0.319	7.90	16.15	1.32	4.41	0.566	1.65	5.90	98.38	29	5	80	30	12	< 20	< 10	170	19	3	< 5	146
A544091	73.99	14.38	0.80	0.015	0.18	2.13	3.86	5.02	0.038	0.03	0.49	100.9	2	2	7	< 20	< 1	< 20	< 10	< 30	14	< 1	< 5	86
A544092	71.44	15.01	0.45	0.006	0.07	1.41	3.63	5.96	0.022	< 0.01	0.20	98.21	< 1	2	6	< 20	< 1	< 20	< 10	< 30	13	1	< 5	111
A544093	70.92	15.14	0.59	0.009	0.14	1.47	3.76	6.24	0.041	0.03	0.18	98.52	1	2	7	< 20	< 1	< 20	< 10	< 30	14	1	< 5	103
A544094	32.09	7.53	8.04	0.304	7.33	21.48	1.92	2.81	0.744	1.89	13.40	97.54	26	4	79	50	16	40	10	140	15	2	< 5	108
A544095	33.68	7.82	8.66	0.328	9.48	17.68	2.24	3.43	1.133	1.61	12.02	98.09	28	5	93	100	19	60	20	170	16	2	< 5	122
A544096	18.86	3.68	6.79	0.362	8.87	28.98	0.51	2.59	0.722	3.01	21.41	95.78	25	4	71	70	15	60	20	110	12	1	< 5	91
A544097	73.36	15.25	0.62	0.012	0.13	2.12	4.56	3.93	0.038	0.03	0.17	100.2	2	4	7	< 20	< 1	< 20	< 10	< 30	16			

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Analyte Symbol	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	LOI	Total	Sc	Be	V	Cr	Co	Ni	Cu	Zn	Ga	Ge	As	Rb
Unit Symbol	%	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.01	0.01	0.01	0.001	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	1	1	5	20	1	20	10	30	1	1	5	2
Analysis Method	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS								
A544105	72.99	15.29	0.65	0.011	0.08	1.95	4.63	4.00	0.036	< 0.01	0.36	99.99	1	4	7	< 20	< 1	< 20	< 10	< 30	17	1	< 5	84
A544106	73.08	15.83	0.68	0.012	0.09	1.94	4.60	4.30	0.044	< 0.01	0.38	100.9	2	4	7	< 20	< 1	< 20	< 10	< 30	17	1	< 5	95
A544107	65.98	16.53	0.96	0.045	0.58	3.85	5.41	3.66	0.036	0.05	1.73	98.84	3	5	8	< 20	< 1	< 20	< 10	< 30	17	1	< 5	79
A544108	24.14	5.92	6.29	0.375	9.05	25.19	1.27	2.93	0.370	2.65	18.84	97.03	25	3	60	< 20	12	20	< 10	130	13	2	< 5	111
A544109	27.26	6.68	6.68	0.355	10.78	21.95	2.04	2.97	0.411	2.08	17.45	98.67	26	3	58	40	13	20	10	140	12	1	< 5	98
A544110	15.52	3.45	7.52	0.439	9.96	28.74	0.90	2.27	0.394	3.69	23.08	95.96	24	2	69	30	17	30	30	150	15	2	< 5	67
A544111	9.41	1.92	6.65	0.561	13.08	28.88	0.46	1.55	0.331	3.48	29.30	95.63	24	2	52	30	14	< 20	10	110	14	2	< 5	43
A544112	16.42	3.70	7.13	0.633	12.42	24.23	1.64	1.34	0.172	2.14	25.87	95.71	32	2	38	< 20	9	< 20	10	120	11	1	< 5	37
A544113	9.62	2.05	6.89	0.617	12.55	28.78	0.45	1.48	0.279	2.65	30.19	95.57	26	2	47	< 20	11	< 20	10	70	7	< 1	< 5	39
A544114	23.64	5.35	8.58	0.427	12.63	19.89	1.78	3.08	0.887	2.07	18.62	96.95	35	4	106	50	21	40	60	130	12	1	< 5	86
A544115	21.65	4.95	7.31	0.456	12.70	22.46	1.58	2.85	0.414	2.32	20.47	97.16	30	3	61	40	14	20	20	140	10	1	< 5	83
A544116	19.37	4.06	9.03	0.416	9.63	25.71	1.57	2.47	0.613	2.38	20.26	95.50	34	4	104	40	22	30	30	130	15	2	< 5	72
A544117	17.59	4.35	8.83	0.425	10.57	24.96	1.38	2.35	0.634	2.65	22.00	95.72	26	3	89	40	23	30	20	110	15	2	< 5	68
A544118	29.76	6.74	9.10	0.440	12.66	17.32	2.39	3.55	0.590	2.08	13.31	97.94	43	6	105	50	19	40	30	140	13	1	< 5	110
A544119	44.41	8.52	6.90	0.314	7.87	12.11	4.17	4.10	0.584	1.28	7.55	97.80	50	9	106	60	11	50	20	150	16	2	< 5	76
A544120	29.85	6.65	11.16	0.476	10.30	16.94	2.12	4.04	1.240	2.00	12.05	96.81	42	4	91	40	17	20	20	220	19	2	6	119
A544121	14.02	2.70	6.55	0.509	12.86	26.95	0.81	2.12	0.357	2.73	26.97	96.56	31	3	45	60	15	40	30	120	14	2	< 5	59
A544122	12.31	2.24	5.51	0.481	14.21	26.58	0.86	1.54	0.279	2.50	30.39	96.89	24	3	34	40	12	30	20	70	6	< 1	< 5	43
A544123	48.60	10.92	3.35	0.181	5.01	11.16	3.96	4.72	0.211	0.91	9.11	98.14	24	5	40	20	6	< 20	10	70	14	1	< 5	78
A544124	43.83	9.57	6.07	0.248	6.41	13.92	3.61	4.57	0.470	1.12	10.20	100.0	30	6	72	60	13	30	20	100	13	1	< 5	86
A544125	51.87	9.80	6.61	0.265	5.77	10.33	4.09	4.35	0.787	0.80	4.36	99.03	39	7	89	60	11	30	10	130	15	2	< 5	85
A544126	52.55	12.03	6.27	0.242	5.26	7.72	4.75	4.70	0.513	0.76	4.80	99.60	35	6	78	30	11	< 20	10	160	18	2	< 5	105
A544127	50.33	11.45	5.75	0.198	3.33	10.76	3.94	4.15	0.496	0.62	6.66	97.70	25	5	71	30	12	< 20	20	100	17	1	< 5	97
A544128	21.15	1.73	6.34	0.663	15.34	22.51	1.67	1.66	0.090	2.51	24.07	97.74	91	4	34	< 20	5	< 20	10	180	5	1	20	39
A544129	25.00	2.81	6.80	0.665	13.92	21.42	1.85	2.26	0.089	2.12	21.29	98.22	78	3	36	< 20	7	< 20	20	140	6	1	8	44
A544130	7.32	0.67	4.80	0.893	15.69	26.86	0.58	0.66	0.092	2.01	36.12	95.68	35	2	25	< 20	4	< 20	< 10	90	32	4	10	13
A544131	10.94	2.41	7.41	0.449	10.24	30.10	0.51	1.93	0.359	3.02	27.72	95.10	23	2	44	30	21	< 20	20	100	13	2	< 5	49
A544132	15.66	3.35	6.47	0.381	10.75	27.99	0.78	2.75	0.357	3.51	24.59	96.59	28	3	57	30	14	< 20	10	100	18	3	< 5	68
A544133	11.19	2.64	5.78	0.371	8.66	32.17	0.38	2.34	0.298	3.84	27.42	95.09	19	2	34	< 20	15	< 20	20	160	20	3	< 5	61
A544134	16.03	3.60	7.37	0.445	10.95	25.77	0.81	2.89	0.453	2.89	23.88	95.09	31	3	48	30	17	20	20	100	20	2	< 5	69
A544135	14.61	2.87	7.92	0.432	11.60	25.39	0.77	2.57	0.272	3.44	23.35	93.22	34	3	45	< 20	30	< 20	40	100	31	4	< 5	63
A544136	16.48	3.24	7.38	0.351	10.99	27.18	0.65	2.71	0.375	3.44	23.01	95.82	35	3	50	30	19	< 20	20	110	21	3	< 5	76
A544137	19.82	4.64	7.16	0.274	8.84	26.97	0.76	3.17	0.382	2.24	21.66	95.92	30	3	66	40	17	< 20	10	170	15	2	< 5	96
A544138	10.01	1.99	6.64	0.459	10.51	30.37	0.44	1.70	0.483	3.41	29.36	95.38	29	2	52	30	13	< 20	10	120	13	2	< 5	45
A544139	15.02	3.14	6.91	0.406	11.39	27.82	0.64	2.59	0.455	2.99	25.74	97.09	31	3	51	30	14	20	10	120	14	2	< 5	67
A544140	10.92	1.98	6.89	0.307	6.93	34.08	0.63	1.52	0.261	4.01	28.21	95.74	29	2	59	< 20	14	< 20	10	150	17	3	< 5	37
A544141	68.68	15.67	0.73	0.021	0.23	2.81	5.10	5.19	0.039	0.08	1.32	99.86	3	3	8	< 20	< 1	< 20	< 10	< 30	18	1	< 5	108
A544142	17.38	3.78	6.47	0.353	10.11	26.49	1.08	2.00	0.444	3.39	24.85	96.33	28	3	47	30	14	30	20	120	14	2	< 5	52
A544143	14.11	2.54	8.68	0.344	10.00	29.41	0.68	1.90	0.616	2.89	25.52	96.69	28	3	83	100	20	40	20	130	13	2	< 5	52
A544144	5.37	0.97	12.31	0.293	5.68	36.84	0.17	0.80	0.656	3.55	29.24	95.88	24	1	130	30	24	< 20	50	100	11	1	< 5	22
A544145	73.12	14.87	0.74	0.012	0.14	1.88	4.75	4.33	0.050	0.04	0.77	100.7	2	4	7	< 20	< 1	< 20	< 10	< 30	18	1	< 5	85
A544146	71.88	14.50	0.70	0.014	0.14	2.08	4.61	4.16	0.047	0.03	1.12	99.28	2	3	6	< 20	< 1	< 20	< 10	< 30	16	1	< 5	83
A544147	7.10	1.10	5.89	0.335	9.09	35.72	0.33	1.05	0.328	3.10	32.22	96.27	21	2	49	60	20	30	20	90	7	1	< 5	27
A544148	22.81	3.11	7.57	0.353	13.66	23.13	1.69	2.52	0.287	1.80	21.51	98.45	43	5	70	360	21	40	20	110	10	2	< 5	55
A544149	96.05	1.84	0.59	0.006	0.14	0.03	0.03	0.55	0.097	< 0.01	0.23	99.58	1	< 1	12	< 20	1	< 20	< 10	< 30	3	1	< 5	15
A544150	1																							

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Analyte Symbol	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	LOI	Total	Sc	Be	V	Cr	Co	Ni	Cu	Zn	Ga	Ge	As	Rb
Unit Symbol	%	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.01	0.01	0.01	0.001	0.01	0.01	0.01	0.01	0.001	0.01	0.01	0.01	1	1	5	20	1	20	10	30	1	1	5	2
Analysis Method	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS									
A544157	44.68	7.63	7.26	0.275	10.27	15.78	2.00	3.63	1.505	0.43	5.64	99.09	18	4	184	140	35	60	60	100	17	3	< 5	122
A544158	2.75	0.37	5.35	0.475	8.86	37.15	0.18	0.30	0.178	3.21	35.83	94.66	21	1	42	< 20	10	< 20	10	100	9	2	< 5	9
A544159	6.57	1.40	6.31	0.483	10.16	33.42	0.26	1.19	0.161	3.54	32.38	95.87	20	< 1	47	< 20	9	< 20	< 10	80	9	< 1	< 5	34
A544160	17.28	3.10	11.88	0.401	11.78	23.88	0.93	2.43	1.532	3.36	21.11	97.69	34	4	119	50	20	40	20	150	15	2	< 5	69
A544161	19.34	4.24	10.53	0.580	12.64	21.63	0.90	3.11	0.727	2.18	20.07	95.96	29	3	106	60	17	30	30	150	15	2	< 5	90
A544162	23.56	4.26	8.64	0.597	13.13	21.60	1.36	3.04	0.368	2.19	18.25	96.98	41	4	59	30	15	< 20	20	150	12	2	< 5	86
A544163	31.85	6.64	9.23	0.388	8.66	19.04	2.80	2.75	0.428	2.50	11.40	95.69	40	5	91	40	26	20	20	150	18	2	< 5	77
A544164	16.79	3.78	8.78	0.455	9.59	27.13	1.01	2.34	0.350	3.40	20.74	94.36	29	3	76	30	25	< 20	20	120	18	2	< 5	67
A544165	13.86	3.05	18.15	0.371	7.83	25.78	0.54	2.53	0.897	6.46	12.77	92.25	15	3	282	< 20	25	< 20	30	240	35	3	< 5	73
A544166	12.32	2.82	25.83	0.439	7.82	22.45	0.37	2.46	1.159	5.21	13.55	94.42	14	2	420	20	18	< 20	10	220	35	3	< 5	73
A544167	17.21	4.66	9.14	0.453	9.29	26.32	1.16	2.55	0.415	2.70	23.32	97.21	26	2	86	20	15	< 20	< 10	140	18	2	< 5	70
A544168	60.21	12.81	2.29	0.117	3.56	6.86	4.03	4.11	0.219	0.61	4.85	99.66	9	4	27	30	5	< 20	< 10	40	16	1	< 5	98
A544169	11.85	3.25	8.35	0.532	10.45	28.40	0.36	2.32	0.461	3.60	24.97	94.55	21	2	57	20	14	< 20	10	120	17	2	< 5	61
A544170	11.25	3.05	6.53	0.533	15.42	25.11	0.24	2.45	0.197	3.52	28.76	97.06	19	2	49	< 20	12	< 20	< 10	130	12	< 1	< 5	75
A544171	14.63	2.47	7.42	0.574	14.78	24.52	0.78	1.89	0.240	3.25	25.81	96.35	38	4	63	< 20	10	< 20	< 10	180	17	2	< 5	52
A544172	7.87	1.79	5.61	0.549	13.31	29.43	0.23	1.48	0.127	3.98	31.52	95.89	24	2	31	< 20	10	< 20	< 10	110	12	2	< 5	41
A544173	69.87	16.44	0.66	0.014	0.30	2.10	5.02	4.98	0.054	0.05	0.75	100.2	1	4	7	< 20	< 1	< 20	< 10	< 30	18	1	< 5	101
A544174	22.15	3.98	6.87	0.415	13.63	24.05	0.78	2.60	0.279	2.72	21.29	98.76	29	4	51	20	13	< 20	20	120	16	2	< 5	86
A544175	24.65	4.79	5.88	0.423	12.87	22.23	1.23	2.65	0.210	2.80	21.14	98.88	25	4	49	< 20	7	< 20	< 10	150	15	2	< 5	71
A544176	37.94	8.39	6.68	0.343	10.96	13.92	3.08	3.99	0.331	2.04	11.45	99.12	37	6	56	< 20	7	< 20	< 10	170	20	2	< 5	77
A544177	25.85	6.09	8.57	0.507	12.47	18.82	1.62	3.74	0.410	2.31	16.80	97.19	34	4	54	20	12	< 20	< 10	220	19	2	5	84
A544178	6.26	1.49	6.66	0.694	15.58	26.56	0.25	1.20	0.285	2.77	33.60	95.35	20	2	33	< 20	8	< 20	< 10	140	11	2	6	34
A544179	18.74	4.64	11.77	0.366	9.03	25.13	1.22	2.70	0.777	2.59	20.17	97.14	27	3	123	90	27	40	30	120	17	2	< 5	80
A544180	14.77	3.76	8.36	0.396	9.63	27.71	0.86	2.28	0.520	2.29	24.74	95.32	23	3	82	70	25	40	40	130	14	2	< 5	72
A544181	14.19	3.33	7.19	0.326	5.93	32.70	1.29	1.30	0.378	3.34	25.46	95.43	23	3	70	40	16	20	20	80	13	1	< 5	42
A544182	19.02	4.78	8.86	0.304	9.18	25.93	1.17	2.76	1.070	2.77	20.93	96.78	27	3	109	120	24	60	20	160	16	2	< 5	84
A544183	28.59	5.88	7.36	0.408	13.27	19.33	1.76	4.19	0.328	2.80	15.90	99.83	45	5	57	50	13	< 20	10	210	16	2	< 5	111
A544184	8.53	1.82	5.31	0.402	9.60	33.15	0.59	1.23	0.208	3.57	31.21	95.62	25	2	38	30	10	< 20	10	70	10	2	6	38
A544185	17.05	3.81	5.87	0.424	12.77	24.62	1.23	2.35	0.170	2.52	25.40	96.22	32	3	48	< 20	13	< 20	< 10	100	10	< 1	< 5	64
A544186	10.84	1.98	6.24	0.547	13.48	26.66	0.63	1.71	0.400	3.44	29.13	95.06	34	2	37	< 20	11	< 20	< 10	100	9	< 1	< 5	51
A544187	25.57	4.46	7.34	0.491	13.19	19.19	2.19	2.61	0.433	2.08	18.40	95.97	48	5	75	70	17	40	20	130	13	2	< 5	69
A544188	9.30	1.73	5.48	0.504	13.99	27.64	0.76	1.04	0.294	3.12	31.78	95.64	23	2	36	20	11	20	< 10	60	7	1	< 5	29
A544189	11.36	2.55	6.03	0.363	9.12	31.42	1.01	1.26	0.311	2.91	29.56	95.90	23	2	44	20	11	30	10	70	8	< 1	< 5	35
A544190	4.29	0.68	5.12	0.464	15.39	29.46	0.24	0.63	0.117	3.23	36.09	95.72	18	1	31	< 20	9	< 20	< 10	40	6	< 1	< 5	19
A544191	14.06	2.13	4.67	0.402	12.59	29.28	0.86	1.90	0.117	3.83	28.10	97.94	33	3	23	< 20	8	< 20	< 10	240	8	1	< 5	57
A544192	38.76	7.08	5.35	0.275	8.20	17.41	3.03	4.39	0.239	1.54	12.86	99.13	42	7	41	30	11	< 20	10	110	15	2	< 5	93
A544193	46.13	10.40	6.02	0.243	6.59	12.11	4.58	4.04	0.396	1.01	9.17	100.7	37	5	84	80	17	30	30	140	17	2	< 5	100
A544194	42.41	8.90	6.31	0.298	6.84	15.13	3.25	4.57	0.275	0.97	10.39	99.36	49	5	68	40	14	< 20	20	130	15	2	< 5	91
A544195	41.59	8.78	6.96	0.310	6.90	14.15	3.30	4.16	0.420	1.13	10.59	98.29	36	6	76	40	15	< 20	30	140	17	2	< 5	87
A544196	50.79	12.01	7.27	0.208	4.52	8.86	4.94	3.56	0.646	0.58	4.84	98.21	29	6	104	40	16	< 20	30	150	20	2	< 5	111
A544197	70.67	15.90	0.53	0.011	0.08	2.21	5.33	3.58	0.033	< 0.01	0.69	99.02	1	4	5	< 20	< 1	< 20	< 10	< 30	17	1	< 5	74
A544198	72.16	15.58	0.74	0.011	0.17	2.03	4.60	4.36	0.041	0.02	0.58	100.3	3	3	7	< 20	< 1	< 20	< 10	< 30	16	1	< 5	84
A544199	96.49	1.76	0.57	0.005	0.21	0.33	0.04	0.53	0.098	< 0.01	0.59	100.6	< 1	< 1	10	< 20	1	< 20	< 10	< 30	2	1	< 5	14
A544200	15.45	6.31	2.28	0.022	3.71	38.62	0.44	0.85	0.215	0.04	29.98	97.92	5	1	30	30	2	< 20	20	< 30	8	< 1	< 5	40
A544201																								
A544202	57.07	14.88	6.45	0.239	3.30	3.52	5.29																	

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Analyte Symbol	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	LOI	Total	Sc	Be	V	Cr	Co	Ni	Cu	Zn	Ga	Ge	As	Rb
Unit Symbol	%	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.01	0.01	0.01	0.001	0.01	0.01	0.01	0.001	0.01	0.01	0.01	0.01	1	1	5	20	1	20	10	30	1	1	5	2
Analysis Method	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS								
A544209	52.98	14.19	7.49	0.342	4.42	4.05	4.82	5.86	0.714	0.41	3.63	98.90	22	6	85	90	15	40	20	180	32	4	8	162
A544210	55.20	15.19	6.34	0.326	4.57	2.87	5.27	5.60	0.648	0.42	2.65	99.09	20	6	87	80	18	30	30	240	31	3	< 5	163
A544211	54.40	14.38	6.62	0.334	4.87	2.93	5.13	5.83	0.748	0.52	2.73	98.50	21	6	87	90	17	30	20	180	31	4	6	167
A544212	64.43	10.68	5.56	0.242	3.92	2.12	4.97	4.63	0.485	0.29	1.67	99.00	44	8	94	60	9	20	10	340	25	3	6	97
A544213	58.13	5.19	6.09	0.531	4.29	7.30	3.31	2.81	0.260	0.75	6.92	95.59	54	6	74	30	6	< 20	< 10	450	39	5	16	49
A544214	52.02	5.20	6.61	0.487	6.78	11.27	2.42	3.23	0.244	0.99	9.52	98.77	51	5	64	20	6	< 20	< 10	230	27	3	10	63
A544215	14.39	2.89	7.20	0.356	9.04	30.62	0.80	2.34	0.426	3.22	25.38	96.66	32	3	59	30	16	20	20	100	18	2	6	63
A544216	20.15	4.35	7.21	0.408	10.77	25.66	1.24	3.43	0.536	2.48	21.00	97.23	40	3	53	30	15	20	20	120	22	3	6	77
A544217	35.00	8.62	8.64	0.279	8.96	14.73	3.01	4.42	0.919	1.42	10.81	96.79	41	5	92	70	24	50	40	150	20	2	< 5	93
A544218	14.65	3.70	6.30	0.365	8.40	30.79	0.84	2.61	0.518	2.43	24.45	95.05	22	2	33	30	27	30	50	90	16	2	< 5	60
A544219	27.74	5.38	8.83	0.334	9.23	21.62	2.55	3.16	0.506	2.07	15.07	96.48	62	4	80	40	25	40	50	130	21	3	7	70
A544220	16.88	3.54	7.09	0.418	8.44	29.39	1.04	2.77	0.520	2.66	22.82	95.56	38	3	52	40	17	30	40	100	22	3	8	66
A544221	12.33	2.80	7.94	0.387	9.34	31.41	0.48	2.16	0.416	3.45	26.01	96.74	27	2	60	30	16	20	20	100	18	2	6	55
A544222	73.51	10.61	4.69	0.045	1.45	0.98	0.48	3.66	0.570	0.11	1.82	97.93	11	3	57	30	9	20	< 10	40	15	2	< 5	135
A544223	68.78	13.96	6.02	0.057	1.73	0.76	0.43	4.45	0.759	0.13	1.92	98.98	13	3	83	50	13	20	< 10	50	19	3	< 5	160
A544224	67.33	14.45	6.54	0.072	2.42	1.58	1.97	4.28	0.720	0.15	1.28	100.8	16	4	85	60	12	20	20	50	20	3	< 5	155
A544225	71.51	15.24	1.26	0.021	0.29	1.39	4.10	4.95	0.115	0.02	0.47	99.37	2	4	14	< 20	1	< 20	10	< 30	17	2	< 5	110
A544226	73.14	14.95	0.62	0.009	0.10	1.37	4.02	5.14	0.046	< 0.01	0.41	99.81	< 1	3	7	< 20	< 1	< 20	< 10	< 30	15	1	< 5	107
A544227	72.10	15.19	1.01	0.013	0.23	1.63	4.20	4.87	0.093	0.02	0.33	99.69	1	3	12	< 20	1	< 20	< 10	< 30	16	2	< 5	109
A544228	64.90	13.31	6.13	0.095	3.12	3.54	3.48	4.07	0.658	0.10	0.73	100.2	15	4	82	80	12	30	10	60	19	3	< 5	138
A544229	17.49	4.04	5.25	0.468	13.24	25.01	0.87	2.01	0.231	2.88	26.41	97.91	23	2	38	< 20	7	< 20	< 10	90	11	1	< 5	53
A544230	9.72	1.73	5.84	0.518	14.82	27.33	0.38	1.13	0.217	3.75	30.85	96.07	21	2	36	20	11	30	20	140	10	2	5	33
A544231	6.41	1.75	4.83	0.553	16.33	27.08	0.14	1.37	0.126	2.83	34.97	96.40	16	< 1	21	< 20	8	< 20	< 10	120	9	< 1	< 5	38
A544232	8.31	1.54	6.64	0.512	8.40	34.38	0.26	1.19	0.215	4.62	28.85	94.91	19	2	53	< 20	11	< 20	20	340	17	3	7	38
A544233	34.19	6.59	11.82	0.561	9.30	16.31	1.58	3.21	0.894	1.96	6.47	92.88	38	6	111	110	25	80	100	400	23	4	9	114
A544234	36.18	9.75	7.62	0.423	10.27	15.26	2.46	3.56	0.550	2.09	10.70	98.86	26	5	75	20	12	< 20	20	160	19	2	< 5	145
A544235	70.16	15.15	0.92	0.027	0.26	2.70	5.15	3.80	0.050	0.05	1.40	99.66	3	4	8	< 20	< 1	< 20	< 10	< 30	18	1	< 5	77
A544236	71.24	15.48	0.61	0.011	0.13	1.71	4.65	4.63	0.047	< 0.01	0.61	99.11	2	3	6	< 20	< 1	< 20	< 10	< 30	18	1	< 5	92
A544237	34.96	7.95	8.86	0.450	8.64	18.18	1.60	3.52	1.386	1.53	10.24	97.30	40	6	107	100	21	80	50	130	18	2	< 5	113
A544238	63.71	15.81	1.30	0.075	0.93	4.67	5.82	3.93	0.058	0.09	2.62	98.99	8	4	17	< 20	< 1	< 20	< 10	< 30	16	1	< 5	68
A544239	38.66	10.15	9.24	0.406	9.66	11.98	2.81	4.37	0.601	1.01	8.58	97.46	34	4	79	< 20	25	< 20	30	200	19	2	< 5	145
A544240	43.39	10.44	8.47	0.352	8.71	11.37	3.18	4.40	0.679	1.19	6.30	98.50	40	6	89	50	15	30	< 10	190	20	2	< 5	139
A544241	40.69	10.14	9.36	0.389	8.18	11.99	3.67	3.72	0.783	0.99	7.97	97.90	37	4	112	30	19	20	60	180	20	2	< 5	119
A544242	34.93	9.81	10.88	0.303	10.77	12.34	2.37	4.87	1.060	0.88	9.59	97.81	32	4	174	70	30	50	130	230	17	2	< 5	155
A544243	1.74	0.38	3.98	0.482	15.76	30.74	0.09	0.30	0.036	4.54	38.08	96.13	12	< 1	13	< 20	7	< 20	20	90	8	1	< 5	10
A544244	67.89	14.82	0.79	0.038	0.88	3.31	4.78	4.52	0.033	0.18	2.23	99.48	2	3	8	< 20	< 1	< 20	< 10	30	16	1	< 5	84
A544245	21.94	6.20	6.45	0.356	14.65	20.49	1.07	3.57	0.522	2.50	21.38	99.13	15	2	64	20	14	< 20	10	190	15	2	< 5	112
A544246	8.58	1.27	7.81	0.548	8.56	32.38	0.57	0.98	1.099	2.59	28.87	93.26	24	3	102	110	19	70	50	280	17	3	6	32
A544247	35.46	7.67	8.55	0.485	9.68	15.62	3.58	3.10	0.658	1.45	11.17	97.42	39	5	95	70	16	50	40	310	19	2	< 5	89
A544248	31.71	6.62	9.39	0.432	9.44	16.65	3.10	2.93	0.544	2.13	12.26	95.20	38	4	98	40	18	30	40	350	18	2	< 5	80
A544249	94.75	1.89	0.80	0.010	0.19	0.40	0.04	0.56	0.102	0.01	0.82	99.57	1	< 1	11	< 20	1	< 20	< 10	< 30	2	1	< 5	14
A544250	15.32	6.46	2.32	0.023	3.72	38.41	0.45	0.87	0.217	0.03	30.03	97.86	5	< 1	31	30	2	< 20	20	30	8	< 1	< 5	41
A544251	27.78	6.77	8.16	0.356	9.01	22.05	1.88	3.43	0.614	2.63	14.95	97.63	29	4	86	30	14	30	20	210	19	3	5	104
A544252	32.38	8.65	5.58	0.278	6.26	20.37	2.50	4.03	0.403	1.93	15.17	97.56	19	3	40	< 20	12	< 20	20	90	15	2	< 5	101
A544253	38.94	10.18	7.62	0.222	6.54	14.74	3.46	4.41	0.618	1.29	10.91	98.92	34	5	85	50	14	40	10	130	19	2	< 5	107
A544254	18.09	3.75	6.13	0.346	8.94	28.43	1.92	1.43	0.42															

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Analyte Symbol	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	LOI	Total	Sc	Be	V	Cr	Co	Ni	Cu	Zn	Ga	Ge	As	Rb
Unit Symbol	%	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.01	0.01	0.01	0.001	0.01	0.01	0.01	0.01	0.001	0.01	0.01	0.01	1	1	5	20	1	20	30	1	1	5	2	
Analysis Method	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS								
A544261	12.68	3.45	8.40	0.639	12.96	25.56	0.36	2.70	0.372	2.32	25.79	95.24	19	2	47	40	17	< 20	20	180	14	2	< 5	92
A544262	37.96	10.59	8.85	0.321	7.69	13.66	3.79	3.77	0.982	1.38	10.14	99.14	23	4	81	30	16	30	30	170	21	2	< 5	110
A544263	32.12	8.33	8.64	0.326	9.26	16.34	2.87	3.57	0.982	1.99	12.54	96.98	24	5	90	90	21	60	30	260	19	2	< 5	114
A544264	41.05	11.53	8.15	0.309	6.83	10.65	3.91	4.33	0.734	1.05	8.25	96.79	20	4	88	40	15	30	20	320	21	2	< 5	120
A544265	41.71	11.67	8.65	0.296	6.32	10.77	4.45	3.88	0.851	0.94	8.30	97.84	22	4	90	40	17	30	20	200	21	2	< 5	112
A544266	30.15	8.20	7.81	0.421	8.79	17.34	3.06	3.04	0.725	1.56	15.93	97.03	29	4	72	50	13	30	20	180	18	2	< 5	87
A544267	33.65	9.47	8.13	0.420	8.34	15.64	3.25	3.61	0.673	1.51	13.77	98.47	27	4	78	40	14	20	10	190	20	2	< 5	96
A544268	33.59	9.74	8.26	0.351	8.15	15.04	3.07	3.82	0.582	1.64	12.50	96.75	21	3	67	< 20	14	< 20	20	190	24	2	5	105
A544269	31.13	6.79	7.68	0.414	11.10	17.05	2.53	3.69	0.765	1.95	14.21	97.31	40	6	82	50	14	40	20	190	19	2	< 5	100
A544270	36.22	8.04	6.73	0.353	9.87	16.59	3.00	3.72	0.424	1.84	12.50	99.28	40	6	69	40	11	30	10	170	22	2	< 5	104
A544271	39.42	8.63	9.13	0.307	10.29	14.52	1.97	4.75	0.597	1.40	7.78	98.78	45	6	102	70	14	40	20	190	22	2	< 5	149
A544272	57.49	13.60	3.10	0.086	2.11	6.95	3.06	6.31	0.298	0.15	5.29	98.45	7	2	30	20	4	< 20	< 10	60	13	< 1	< 5	118
A544273	27.47	4.85	7.52	0.366	12.42	21.05	1.26	3.49	0.457	2.47	16.63	97.99	48	6	80	40	16	30	20	150	16	2	< 5	86
A544274	22.30	5.36	6.78	0.472	11.81	21.66	1.39	3.06	0.308	2.46	21.07	96.65	27	3	42	30	13	< 20	20	140	20	2	5	86
A544275	19.73	4.53	7.07	0.421	10.13	25.14	1.50	2.72	0.453	2.86	21.80	96.35	29	4	66	40	20	20	20	180	18	2	5	86
A544276	31.17	6.31	7.94	0.396	11.15	16.59	2.68	3.49	0.636	1.85	14.79	97.01	44	6	98	60	14	40	20	180	18	2	< 5	87
A544277	51.77	10.88	5.66	0.242	6.15	7.51	5.73	4.17	0.471	0.62	5.12	98.33	42	9	94	40	10	20	20	170	23	2	< 5	58
A544278	38.52	7.37	8.09	0.408	11.11	12.67	3.25	4.55	0.526	1.72	8.77	97.00	62	6	94	50	15	30	30	210	20	2	< 5	116
A544279	27.71	5.48	8.53	0.412	13.45	17.38	1.75	4.01	1.264	1.62	15.59	97.21	37	6	87	90	22	80	40	150	15	2	< 5	103
A544280	15.15	2.67	5.61	0.508	14.43	25.52	0.93	1.98	0.203	2.67	27.51	97.18	40	4	37	20	10	< 20	10	80	11	1	< 5	45
A544281	23.65	5.35	6.31	0.486	14.17	20.46	1.52	2.96	0.287	1.57	21.00	97.77	30	4	54	50	12	< 20	20	110	12	1	< 5	77
A544282	38.44	7.05	6.07	0.371	10.50	15.68	2.53	4.36	0.439	1.54	11.24	98.23	60	7	67	50	10	30	10	140	16	2	< 5	86
A544283	42.25	8.37	5.64	0.262	6.67	14.53	2.99	4.99	0.295	1.45	9.42	96.86	52	6	69	70	10	30	20	130	19	2	< 5	86
A544284	46.53	9.23	6.20	0.249	8.03	10.83	3.30	4.90	0.386	1.02	6.48	97.17	48	6	75	50	11	20	20	170	18	2	< 5	110
A544285	46.44	10.06	6.22	0.245	6.58	10.16	4.15	4.22	0.556	0.82	6.52	95.96	37	6	86	50	12	30	20	130	21	2	< 5	88
A544286	52.61	11.32	5.80	0.228	5.30	7.77	4.92	4.35	0.441	0.56	4.15	97.45	34	6	83	80	12	30	30	150	21	2	< 5	78
A544287	52.46	13.09	6.83	0.202	4.47	6.70	5.15	4.32	0.959	0.49	3.44	98.10	29	6	98	80	15	40	20	170	22	2	< 5	114
A544288	48.37	11.45	6.07	0.237	4.22	10.59	4.44	4.14	0.679	0.82	6.29	97.33	33	5	98	50	12	20	20	130	20	2	< 5	85
A544289	44.27	11.17	7.95	0.285	5.91	12.01	4.12	3.74	0.854	0.91	7.34	98.55	37	5	121	70	19	40	40	160	20	2	< 5	106
A544290	57.34	15.19	5.93	0.122	2.40	4.90	5.68	3.93	0.747	0.27	2.02	98.52	14	5	64	40	11	20	20	110	23	2	< 5	83
A544291	53.15	14.57	7.73	0.181	3.38	5.95	5.14	3.70	0.879	0.43	3.03	98.15	21	5	102	40	16	20	20	160	23	2	< 5	99
A544292	52.25	13.09	8.12	0.224	4.75	7.28	4.43	3.78	0.986	0.42	2.59	97.91	28	6	125	80	21	50	30	220	22	2	< 5	108
A544293	59.71	12.00	6.71	0.225	4.18	5.74	3.80	4.07	0.762	0.39	1.55	99.13	33	6	113	60	19	40	40	170	19	2	< 5	100
A544294	56.42	14.30	8.49	0.170	4.11	6.25	4.06	3.60	1.055	0.43	1.06	99.95	26	4	138	80	20	30	40	210	22	2	< 5	106
A544295	58.17	15.10	7.04	0.120	3.63	5.12	4.00	3.82	0.938	0.34	0.89	99.15	18	4	113	80	18	30	30	100	22	2	< 5	111
A544296	57.18	13.28	7.84	0.115	4.36	5.03	2.92	4.82	1.374	0.50	1.27	98.68	17	5	111	140	19	80	30	100	22	2	< 5	169
A544297	62.43	11.01	6.11	0.128	4.97	6.09	1.85	4.36	1.059	0.46	1.49	99.95	15	5	105	110	17	60	20	60	18	2	< 5	142
A544298	58.62	14.79	7.55	0.067	4.76	3.59	1.68	4.88	1.167	0.31	1.83	99.25	17	4	122	140	24	80	50	50	24	2	< 5	170
A544299	95.28	2.01	0.64	0.006	0.17	0.12	0.03	0.59	0.113	0.02	0.69	99.68	1	< 1	11	< 20	1	< 20	< 10	< 30	3	1	< 5	15
A544300	15.27	6.40	2.29	0.023	3.77	38.90	0.44	0.85	0.225	0.05	30.15	98.36	5	< 1	31	30	1	20	20	40	9	< 1	< 5	38
A544301	63.67	14.39	6.21	0.065	3.82	3.57	1.37	4.25	0.939	0.27	1.65	100.2	14	4	102	80	17	50	30	60	21	2	< 5	143
A544302	64.48	14.56	5.51	0.033	4.51	2.11	0.98	3.87	0.814	0.17	1.13	98.17	14	4	89	80	17	50	< 10	30	22	2	< 5	131
A544303	64.93	16.02	4.97	0.024	4.13	0.94	0.97	4.43	0.806	0.11	2.33	99.66	16	3	100	80	15	30	< 10	30	23	2	< 5	138
A544304	60.10	16.20	7.25	0.049	4.60	2.04	1.37	4.69	1.150	0.27	2.21	99.92	19	4	127	120	21	60	50	40	26	3	< 5	161
A544305	62.75	17.25	6.33	0.032	3.85	1.09	0.98	5.05	0.890	0.16	2.42	100.8	17	3	103	90	19	40	30	< 30	25	3	< 5	163
A544306	60.82	17.67	7.50	0.039	3.33	1.21	0.84	5.13	0.915	0.14	2.43	100.0	18	4	108	100	19							

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Analyte Symbol	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	LOI	Total	Sc	Be	V	Cr	Co	Ni	Cu	Zn	Ga	Ge	As	Rb
Unit Symbol	%	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.01	0.01	0.01	0.001	0.01	0.01	0.01	0.01	0.001	0.01	0.01	0.01	1	1	5	20	1	20	10	30	1	1	5	2
Analysis Method	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS									
A544313	55.00	14.41	10.16	0.092	5.91	5.68	1.44	4.03	1.895	0.40	1.90	100.9	22	3	192	190	32	120	50	80	24	3	< 5	138
A544314	45.52	11.46	12.66	0.182	7.03	11.67	0.47	2.99	2.886	0.73	3.40	99.00	28	4	284	280	43	120	80	100	22	3	< 5	130
A544315	54.28	15.73	9.44	0.076	4.83	6.44	1.37	4.39	1.517	0.61	1.83	100.5	22	4	169	100	24	50	30	60	27	3	< 5	141
A544316	65.01	7.17	5.30	0.276	3.92	3.82	4.05	3.83	0.295	0.52	2.52	96.71	47	7	72	50	3	< 20	< 10	250	29	4	9	59
A544317	66.47	7.59	3.77	0.283	3.57	4.43	3.24	4.62	0.177	0.37	3.18	97.71	33	6	41	40	2	< 20	< 10	140	24	3	6	72
A544318	63.08	7.43	5.91	0.239	4.68	5.26	3.56	5.05	0.231	0.83	2.83	99.11	54	7	65	50	3	< 20	< 10	180	16	2	< 5	71
A544319	53.46	6.77	7.45	0.423	6.30	8.56	3.86	4.43	0.279	0.92	4.71	97.17	78	8	81	20	4	< 20	< 10	300	22	3	7	58
A544320	41.11	4.22	8.46	0.582	8.01	17.09	2.80	2.92	0.277	2.34	8.61	96.42	87	6	70	20	15	< 20	10	310	21	3	9	58
A544321	64.90	6.20	6.43	0.257	5.42	6.39	2.83	4.15	0.252	0.92	2.75	100.5	70	6	71	40	5	< 20	< 10	250	15	2	< 5	67
A544322	54.29	6.03	8.36	0.353	6.25	8.83	3.08	4.61	0.342	1.10	5.16	98.40	77	6	96	40	8	< 20	< 10	200	22	3	6	84
A544323	54.07	5.63	8.97	0.326	5.34	9.31	3.87	3.73	0.327	1.09	4.21	96.88	77	7	121	30	9	< 20	< 10	170	24	4	8	46
A544324	52.51	9.41	8.92	0.207	6.93	6.94	4.38	3.70	0.998	0.91	4.73	99.64	40	5	133	40	18	< 20	30	180	21	2	< 5	74
A544325	17.53	3.58	6.35	0.446	13.65	24.89	1.11	2.48	0.271	2.94	24.59	97.83	33	3	46	20	9	< 20	< 10	120	14	2	< 5	59
A544326	19.32	3.98	7.07	0.360	10.22	26.46	1.41	2.61	0.433	2.73	22.39	97.00	33	3	58	40	15	30	30	170	16	2	< 5	59
A544327	17.79	3.70	7.73	0.445	12.36	24.86	0.92	3.11	0.448	2.81	22.68	96.87	40	3	52	30	16	20	20	140	19	2	5	72
A544328	25.36	4.61	7.34	0.392	11.23	24.25	1.33	2.68	0.468	2.58	18.30	98.54	41	4	71	30	14	20	20	140	15	2	< 5	72
A544329	20.86	4.92	9.44	0.367	11.30	23.47	1.16	3.32	0.756	3.03	18.82	97.45	30	4	101	60	19	40	20	180	18	2	< 5	87
A544330	17.37	3.56	8.93	0.434	11.56	26.14	1.11	2.42	0.525	3.54	21.24	96.83	26	3	88	70	17	40	30	200	17	2	< 5	68
A544331	56.88	9.44	4.82	0.166	7.88	10.70	2.14	4.72	0.711	0.36	2.47	100.3	14	3	78	80	12	50	40	70	15	3	< 5	85
A544332	44.47	7.06	3.78	0.125	9.97	19.87	1.92	2.82	0.548	0.21	8.52	99.30	9	3	85	60	9	50	20	60	11	3	< 5	76
A544333	32.76	4.68	5.85	0.223	14.07	21.27	0.88	2.37	1.180	0.79	14.66	98.73	13	2	94	130	17	90	60	70	10	3	< 5	79
A544334	71.27	14.47	0.96	0.019	0.47	2.02	4.77	3.90	0.057	0.01	1.03	98.98	4	3	10	70	< 1	< 20	< 10	< 30	14	1	< 5	73
A544335	39.71	6.72	4.40	0.090	8.39	23.52	1.83	2.64	0.979	0.47	11.41	100.2	11	3	124	90	9	60	40	60	11	3	< 5	69
A544336	50.72	7.96	3.53	0.091	9.13	17.55	2.52	2.89	0.524	0.22	5.80	100.9	9	5	82	50	6	40	10	50	12	3	< 5	67
A544337	11.76	2.02	7.03	0.465	10.52	31.09	0.64	1.51	0.478	2.79	28.46	96.75	26	3	67	60	17	20	10	140	14	2	5	49
A544338	9.70	1.91	7.28	0.513	12.22	27.57	0.74	1.14	1.175	2.53	29.41	94.19	28	2	99	50	15	40	20	160	14	2	5	32
A544339	12.75	2.58	6.97	0.542	12.53	27.90	0.69	1.84	0.361	3.72	26.40	96.27	24	2	60	50	14	20	20	170	18	3	8	54
A544340	11.13	2.18	7.46	0.478	10.86	31.45	0.71	1.40	0.450	3.47	27.90	97.49	28	3	68	30	15	< 20	20	200	15	2	< 5	44
A544341	9.94	2.31	8.55	0.453	10.83	30.52	0.34	1.85	0.327	3.30	27.69	96.11	25	2	69	30	13	< 20	10	110	13	2	< 5	57
A544342	7.83	1.81	7.92	0.461	9.77	34.26	0.36	1.16	0.282	3.54	29.86	97.25	22	1	59	< 20	8	< 20	10	100	14	2	< 5	34
A544343	6.89	1.18	8.17	0.463	7.61	35.53	0.42	0.65	0.305	3.79	29.36	94.37	25	1	76	< 20	15	< 20	10	200	13	2	< 5	21
A544344	6.82	1.42	6.35	0.396	7.15	37.42	0.30	1.15	0.156	3.15	29.46	93.76	26	1	24	< 20	24	< 20	10	70	12	2	< 5	34
A544345	30.85	7.95	4.92	0.381	9.11	20.39	3.47	1.67	0.202	2.04	18.88	99.86	26	4	37	< 20	6	< 20	< 10	80	16	2	< 5	48
A544346	44.52	9.11	7.59	0.298	8.69	13.59	4.55	1.97	0.464	0.79	7.08	98.65	60	8	94	70	11	20	30	130	23	3	< 5	57
A544347	23.62	4.64	7.06	0.493	13.99	22.24	1.69	2.73	0.397	2.55	20.18	99.58	35	4	60	40	8	< 20	< 10	130	16	2	< 5	79
A544348	11.12	3.02	6.24	0.438	14.47	26.72	0.22	2.30	0.206	3.84	28.69	97.27	16	1	36	< 20	11	< 20	< 10	110	13	2	< 5	74
A544349	95.57	1.78	0.61	0.006	0.26	0.46	0.03	0.53	0.089	< 0.01	0.81	100.1	< 1	< 1	11	< 20	< 1	< 20	< 10	< 30	2	1	< 5	13
A544350	15.33	6.51	2.31	0.023	3.79	39.29	0.45	0.86	0.218	0.04	29.19	98.01	5	1	31	20	2	< 20	10	< 30	8	< 1	< 5	38
A544351	71.38	14.68	0.81	0.015	0.39	1.44	4.08	5.07	0.065	0.06	0.65	98.65	1	5	6	50	< 1	< 20	< 10	< 30	17	1	< 5	102
A544352	16.61	3.91	7.21	0.493	15.01	23.87	0.20	2.74	0.340	2.72	24.26	97.36	21	2	44	20	15	< 20	10	140	15	2	< 5	89
A544353	71.46	14.99	0.80	0.010	0.26	0.94	3.41	6.79	0.054	0.05	0.64	99.41	< 1	3	6	70	< 1	< 20	< 10	< 30	15	1	< 5	134
A544354	73.31	14.46	0.91	0.008	0.08	1.09	3.64	5.77	0.049	< 0.01	0.67	99.99	< 1	4	6	60	< 1	< 20	< 10	< 30	17	1	< 5	119
A544355	75.48	13.97	0.71	0.010	0.13	1.52	3.98	4.50	0.037	0.02	0.40	100.8	2	4	7	30	< 1	< 20	< 10	< 30	16	1	< 5	87
A544356	69.87	16.24	0.94	0.012	0.24	1.87	4.65	4.66	0.070	0.03	0.52	99.11	< 1	3	9	40	< 1	< 20	< 10	< 30	16	1	< 5	85
A544357	69.09	16.77	0.71	0.009	0.23	1.65	4.05	6.39	0.059	0.07	0.47	99.51	< 1	2	8	30	< 1	< 20	< 10	< 30	14	1	< 5	110
A544358	68.24	17.23	1.40	0.014	0.56	1.78	4.																	

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Analyte Symbol	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	LOI	Total	Sc	Be	V	Cr	Co	Ni	Cu	Zn	Ga	Ge	As	Rb
Unit Symbol	%	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.01	0.01	0.01	0.001	0.01	0.01	0.01	0.01	0.001	0.01	0.01	0.01	1	1	5	20	1	20	30	1	1	5	2	
Analysis Method	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS								
A544365	66.64	14.27	1.17	0.054	1.41	3.39	3.97	5.16	0.058	0.23	2.79	99.15	4	4	10	30	2	< 20	< 10	< 30	18	1	< 5	126
A544366	28.62	6.35	7.60	0.396	9.56	21.36	2.25	2.11	0.602	1.97	17.16	97.97	29	4	88	50	15	30	30	150	18	2	< 5	66
A544367	38.68	11.02	9.00	0.317	7.71	13.94	2.89	3.95	0.792	1.06	8.82	98.18	22	4	90	30	18	< 20	20	230	21	2	< 5	144
A544368	70.56	14.40	0.92	0.023	0.26	1.85	4.98	3.86	0.080	0.04	0.90	97.88	4	5	7	50	< 1	< 20	< 10	< 30	19	1	< 5	85
A544369	73.58	14.24	0.56	0.012	0.09	1.75	5.03	3.59	0.035	< 0.01	0.78	99.67	1	4	6	40	< 1	< 20	< 10	< 30	17	1	< 5	81
A544370	71.60	14.62	0.90	0.018	0.18	1.37	4.15	6.04	0.056	0.02	0.68	99.62	2	4	7	50	< 1	< 20	< 10	< 30	19	1	< 5	144
A544371	44.95	12.55	8.43	0.265	6.28	12.67	3.15	4.04	0.693	1.05	6.86	100.9	20	5	92	40	17	< 20	20	210	25	2	< 5	150
A544372	71.57	14.86	0.78	0.015	0.17	1.91	4.47	4.21	0.052	0.04	0.65	98.71	2	5	7	50	< 1	< 20	< 10	< 30	19	1	< 5	102
A544373	73.34	15.59	0.51	0.008	0.09	1.98	4.61	3.75	0.037	0.01	0.40	100.3	1	4	< 5	20	< 1	< 20	< 10	< 30	18	1	< 5	91
A544374	73.66	15.14	0.63	0.011	0.19	1.87	4.50	3.85	0.047	0.01	0.62	100.5	2	5	5	50	< 1	< 20	150	80	18	1	< 5	90
A544375	34.06	7.04	7.35	0.325	8.80	22.31	1.36	3.01	0.613	1.80	12.48	99.15	34	6	80	50	11	20	< 10	170	18	3	< 5	117
A544376	68.81	15.98	1.07	0.022	0.30	2.06	5.06	4.72	0.066	0.02	1.06	99.18	4	5	8	60	< 1	< 20	< 10	< 30	20	1	< 5	115
A544377	16.71	4.32	7.18	0.355	5.13	31.74	1.55	1.63	0.500	2.10	23.61	94.83	21	3	64	20	15	< 20	20	80	14	2	< 5	50
A544378	24.73	5.41	8.80	0.491	12.17	20.37	1.61	3.47	0.683	1.83	17.37	96.93	35	5	78	60	18	40	20	150	17	2	< 5	114
A544379	16.75	4.47	8.73	0.520	9.89	26.37	0.91	2.99	0.896	1.81	22.65	95.98	31	3	89	70	21	40	50	140	16	2	< 5	89
A544380	15.55	3.46	8.98	0.529	11.74	24.38	0.84	2.47	1.194	1.86	24.52	95.53	30	3	99	90	21	60	40	120	13	2	< 5	75
A544381	20.42	4.00	6.61	0.486	13.22	22.49	1.51	2.54	0.382	2.26	23.30	97.19	35	4	58	< 20	11	< 20	< 10	110	13	2	< 5	81
A544382	40.94	9.38	8.78	0.296	8.82	12.32	4.06	3.63	0.885	1.20	8.35	98.65	38	6	125	80	21	40	40	150	19	2	< 5	105
A544383	41.20	8.48	8.77	0.317	9.71	12.69	3.97	3.63	0.721	1.24	8.26	98.99	47	7	122	60	19	30	30	170	20	2	< 5	96
A544384	37.50	7.40	7.89	0.329	10.02	14.85	3.80	2.95	0.858	1.48	10.97	98.05	37	7	99	50	17	30	10	150	18	2	< 5	87
A544385	26.29	6.27	6.21	0.368	6.43	24.98	3.14	1.68	0.376	2.28	18.88	96.91	26	3	72	30	12	20	20	70	16	2	< 5	47
A544386	6.66	1.35	5.49	0.408	9.09	35.69	0.40	1.05	0.304	3.50	32.17	96.11	19	1	46	30	14	< 20	20	130	12	1	< 5	37
A544387	23.99	4.78	7.09	0.381	9.69	24.44	2.26	2.33	0.393	2.39	19.56	97.30	34	4	60	40	14	20	20	140	16	2	< 5	70
A544388	22.85	4.29	8.35	0.459	9.88	25.01	1.75	2.90	0.665	2.35	18.50	97.02	34	5	102	50	15	40	20	210	17	2	6	93
A544389	18.23	3.90	6.44	0.444	11.19	26.36	1.48	2.42	0.524	2.66	22.65	96.29	30	4	55	60	17	40	20	170	16	2	< 5	76
A544390	24.36	5.09	7.13	0.403	12.82	21.16	1.70	3.60	0.508	2.43	18.24	97.45	35	5	63	40	14	30	20	190	18	2	< 5	108
A544391	12.22	2.47	5.39	0.433	10.60	31.57	0.81	1.76	0.394	2.73	28.53	96.91	26	3	48	20	13	20	20	90	12	2	6	51
A544392	10.89	2.21	5.66	0.483	11.72	32.07	0.71	1.64	0.235	2.90	29.57	98.09	26	3	31	20	11	< 20	20	80	13	2	< 5	46
A544393	21.28	4.54	9.09	0.515	12.21	21.94	1.34	3.11	0.733	2.05	18.44	95.25	38	5	73	70	18	40	30	140	17	2	6	90
A544394	28.19	6.83	10.16	0.465	10.40	17.51	2.09	3.71	1.203	1.80	14.94	97.29	37	3	61	50	18	30	30	160	19	2	6	91
A544395	26.24	5.50	7.22	0.463	14.18	18.92	1.92	3.28	0.438	2.09	18.16	98.41	54	5	55	50	11	30	110	140	15	2	< 5	84
A544396	22.98	4.64	8.62	0.449	13.02	21.77	1.38	3.17	0.732	2.01	18.49	97.26	39	5	84	110	20	70	40	130	14	2	< 5	87
A544397	6.12	1.06	7.22	0.594	15.26	28.16	0.28	0.85	0.284	3.00	33.50	96.33	22	1	51	20	18	< 20	20	90	10	2	6	23
A544398	20.75	4.30	6.03	0.484	15.73	21.43	1.05	3.04	0.461	2.29	23.25	98.81	38	5	44	50	10	30	10	110	12	1	< 5	69
A544399	96.11	2.33	0.75	0.005	0.18	0.05	0.04	0.67	0.119	0.02	0.62	100.9	1	< 1	13	< 20	1	< 20	< 10	< 30	3	1	< 5	17
A544400	15.43	2.37	0.023	3.78	39.36	0.45	0.87	0.224	0.03	30.31	99.48	5	1	31	30	2	< 20	20	30	8	< 1	< 5	37	
A544401	15.58	3.32	5.74	0.479	15.89	23.92	0.66	2.59	0.355	2.50	26.25	97.29	26	4	37	30	10	30	20	80	11	2	< 5	65
A544402	43.47	9.56	6.73	0.275	8.67	12.63	3.68	4.34	0.520	1.23	8.87	99.98	41	6	81	80	14	30	20	130	15	2	< 5	103
A544403	43.92	10.36	5.87	0.261	5.69	13.32	3.51	4.17	0.461	0.88	8.78	97.23	34	6	77	40	12	< 20	20	130	17	2	< 5	104
A544404	43.37	10.46	7.68	0.300	5.55	13.52	3.57	3.95	0.545	1.01	7.88	97.84	44	5	88	60	15	20	30	140	18	2	< 5	79
A544405	43.29	12.42	6.56	0.399	8.54	7.98	3.24	4.85	0.551	0.71	8.68	97.23	20	5	69	60	14	20	30	230	27	3	8	126
A544406	30.88	8.86	6.32	0.377	11.54	15.39	1.72	4.57	0.382	0.88	17.24	98.52	16	3	56	40	9	< 20	20	170	45	6	21	109
A544407	31.99	9.34	7.62	0.610	11.24	12.61	2.27	4.45	0.420	0.62	15.41	96.58	16	3	54	40	9	20	< 10	160	26	3	10	104
A544408	40.22	10.92	6.45	0.474	9.06	10.51	2.93	4.47	0.540	1.11	11.13	97.81	19	4	68	60	12	30	20	190	33	3	13	114
A544409	40.70	11.50	7.04	0.422	8.79	9.67	3.06	5.19	0.796	1.08	9.96	98.21	21	5	84	80	18	50	20	260	25	3	8	135
A544410	41.26	10.35	6.86	0.461	9.14	11.66	3.64	4.18	0.417	1.13	10.12	99.23	29</											

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Analyte Symbol	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	LOI	Total	Sc	Be	V	Cr	Co	Ni	Cu	Zn	Ga	Ge	As	Rb
Unit Symbol	%	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.01	0.01	0.01	0.001	0.01	0.01	0.01	0.01	0.001	0.01	0.01	0.01	1	1	5	20	1	20	10	30	1	1	5	2
Analysis Method	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS								
A544417	62.87	5.52	6.87	0.305	5.14	5.84	4.41	3.08	0.284	0.59	3.68	98.59	71	8	85	< 20	6	< 20	< 10	340	34	4	10	44
A544418	67.15	6.55	5.67	0.217	4.12	3.06	4.14	3.87	0.248	0.53	1.99	97.53	59	6	65	< 20	2	< 20	< 10	250	29	4	10	59
A544419	69.63	7.18	4.30	0.170	3.31	2.68	3.55	4.28	0.179	0.41	2.07	97.74	37	5	44	< 20	2	< 20	< 10	210	27	3	9	71
A544420	55.99	7.50	6.03	0.328	5.49	6.68	3.88	4.80	0.213	0.66	4.78	96.35	60	7	57	< 20	4	< 20	< 10	260	39	5	16	77
A544421	55.40	6.45	6.86	0.390	6.29	9.26	3.81	4.43	0.186	1.05	4.89	99.02	83	8	66	< 20	3	< 20	< 10	260	39	5	18	63
A544422	51.91	6.62	9.08	0.436	6.28	10.54	3.11	4.44	0.547	0.85	6.07	99.87	96	6	95	120	11	60	20	150	18	3	6	70
A544423	49.27	4.93	7.49	0.523	8.45	13.46	2.70	3.79	0.322	1.40	7.90	100.2	99	6	82	30	11	< 20	10	190	20	3	8	73
A544424	60.07	6.08	6.54	0.375	5.36	8.68	2.45	3.61	0.428	0.47	5.34	99.41	51	5	84	< 20	7	< 20	10	180	21	3	7	62
A544425	15.45	3.11	7.13	0.443	12.11	26.46	0.99	2.28	0.543	2.97	25.40	96.89	32	3	68	60	15	40	20	120	15	2	6	57
A544426	15.30	3.06	7.75	0.341	11.18	27.16	0.89	2.49	0.619	3.65	24.73	97.18	30	3	69	60	19	30	20	100	14	2	< 5	69
A544427	23.14	5.24	7.62	0.335	10.26	24.37	1.74	3.47	0.514	2.77	19.28	98.73	35	4	65	50	20	40	30	130	16	2	< 5	79
A544428	22.83	5.01	7.62	0.403	10.95	23.80	1.22	3.74	0.567	2.64	18.64	97.42	34	4	59	30	16	20	20	150	24	3	8	90
A544429	20.66	5.04	7.16	0.352	14.21	21.88	0.51	4.44	0.348	2.96	19.71	97.28	27	4	43	< 20	18	< 20	20	170	18	2	5	108
A544430	20.29	4.65	7.30	0.392	14.36	22.10	0.70	4.12	0.425	2.99	21.28	98.60	40	4	56	30	16	< 20	20	150	15	2	< 5	90
A544431	13.49	2.66	7.30	0.426	11.63	27.54	0.77	2.24	0.348	3.19	26.47	96.06	35	3	59	30	17	< 20	20	230	18	3	7	59
A544432	11.81	2.34	6.83	0.431	9.96	31.55	0.85	1.88	0.433	3.25	27.33	96.67	30	3	54	40	12	30	20	260	15	3	< 5	46
A544433	11.14	2.58	5.71	0.391	13.88	28.12	0.61	2.01	0.260	3.30	29.51	97.51	19	2	31	20	10	< 20	10	80	12	2	< 5	47
A544434	24.14	5.67	4.98	0.315	13.44	20.77	2.36	2.34	0.354	2.37	22.63	99.37	26	3	53	60	9	< 10	80	12	1	6	55	
A544435	5.81	1.21	5.47	0.411	12.01	32.84	0.27	1.06	0.292	4.12	33.92	97.42	18	1	30	< 20	12	< 20	10	80	11	2	6	30
A544436	7.18	1.52	6.22	0.381	11.84	31.74	0.29	1.42	0.331	4.27	31.89	97.08	21	2	39	< 20	12	< 20	10	110	12	2	6	37
A544437	10.23	2.19	6.23	0.344	8.81	34.18	0.54	1.69	0.274	3.07	29.67	97.23	23	2	49	< 20	13	< 20	20	80	12	2	< 5	40
A544438	10.32	2.28	6.92	0.304	8.13	34.03	0.59	1.64	0.495	3.14	27.96	95.80	22	2	61	40	18	30	20	80	12	2	5	42
A544439	18.55	4.80	7.61	0.313	7.20	28.89	1.50	2.42	0.645	2.68	22.75	97.35	25	2	90	50	20	30	20	110	16	2	< 5	63
A544440	19.49	5.33	7.15	0.338	9.47	25.76	1.57	2.65	0.617	2.92	22.23	97.53	22	2	82	30	15	< 20	10	100	14	2	< 5	63
A544441	15.93	3.16	6.55	0.401	11.65	27.53	0.72	2.06	0.397	3.39	25.51	97.29	20	2	59	40	12	20	10	110	14	2	< 5	62
A544442	12.92	2.45	9.73	0.506	11.63	26.79	0.83	1.93	0.932	3.20	25.00	95.92	32	3	102	40	18	30	20	280	18	3	8	68
A544443	8.96	1.71	6.13	0.484	11.15	30.30	0.58	1.24	0.309	3.03	30.54	94.43	23	2	46	< 20	11	< 20	20	150	14	2	< 5	40
A544444	15.34	3.18	9.66	0.393	10.41	27.11	0.77	2.31	0.610	3.27	23.47	96.53	26	3	92	50	18	30	20	150	15	2	< 5	66
A544445	3.55	0.57	6.01	0.456	9.53	36.42	0.14	0.38	0.186	4.07	34.78	96.09	19	< 1	54	< 20	10	< 20	< 10	50	10	2	5	11
A544446	66.84	15.27	0.75	0.044	0.23	4.16	3.96	5.41	0.032	0.02	2.54	99.26	3	2	7	< 20	< 1	< 20	< 10	< 30	13	1	< 5	89
A544447	60.60	12.81	1.38	0.100	2.73	6.78	3.65	3.81	0.035	0.53	6.47	98.90	4	2	8	< 20	2	< 20	< 10	< 30	14	1	< 5	66
A544448	72.83	14.52	0.55	0.014	0.08	1.96	3.84	5.10	0.022	0.03	0.96	99.90	1	2	6	< 20	< 1	< 20	< 10	< 30	14	1	< 5	98
A544449	95.53	1.97	0.60	0.006	0.17	0.12	0.03	0.56	0.100	< 0.01	0.64	99.73	1	< 1	12	< 20	1	< 20	< 10	3	1	< 5	15	
A544450	14.90	6.27	2.29	0.024	3.84	40.15	0.44	0.84	0.214	0.06	30.19	99.22	6	< 1	31	30	< 1	< 20	20	40	9	< 1	< 5	37
A544451	73.80	13.58	0.60	0.008	0.06	0.94	3.05	6.03	0.022	< 0.01	0.57	98.65	1	2	6	< 20	< 1	< 20	< 10	< 30	15	1	< 5	138
A544452	72.96	14.55	0.62	0.014	0.12	2.03	4.28	4.20	0.025	< 0.01	0.76	99.56	1	3	7	< 20	< 1	< 20	< 10	< 30	15	1	< 5	95
A544453	2.71	0.38	5.53	0.471	6.67	40.82	0.06	0.24	0.180	2.78	36.60	96.45	19	< 1	38	< 20	7	< 20	< 10	80	11	2	6	12
A544454	26.46	5.46	5.13	0.339	5.90	26.02	2.00	1.27	0.174	2.35	22.72	97.81	16	2	36	20	6	< 20	< 10	50	14	2	< 5	25
A544455	27.80	4.56	12.96	0.343	7.34	20.30	1.13	2.48	0.854	2.51	16.85	97.12	20	3	154	90	19	100	10	130	19	2	< 5	69
A544456	4.93	0.81	7.88	0.452	7.41	37.06	0.24	0.52	0.282	3.35	32.69	95.62	28	2	79	< 20	10	< 20	< 10	90	12	2	6	17
A544457	18.34	5.01	7.14	0.442	10.23	25.33	1.34	2.19	0.439	2.82	23.43	96.72	21	2	61	30	14	20	10	130	15	2	< 5	71
A544458	23.67	6.03	8.81	0.534	11.92	20.62	2.06	2.06	0.344	1.55	18.98	96.57	30	3	55	30	15	< 20	10	140	17	2	< 5	68
A544459	6.80	1.71	6.89	0.760	15.93	25.95	0.20	1.31	0.197	2.01	34.08	95.84	24	1	35	< 20	13	< 20	< 10	130	10	1	< 5	43
A544460	4.71	1.05	7.10	0.490	9.68	34.77	0.21	0.72	0.263	2.35	34.90	96.23	21	< 1	64	< 20	10	< 20	< 10	100	9	1	< 5	21
A544461	8.44	1.69	7.17	0.509	11.57	31.57	0.21	1.33	0.272	3.53	29.28	95.57	22	2	44	< 20	15	< 20	10	80	12	2	6	39
A544462	7.22	0.62	6.36	0.476	6.27																			

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Analyte Symbol	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	LOI	Total	Sc	Be	V	Cr	Co	Ni	Cu	Zn	Ga	Ge	As	Rb
Unit Symbol	%	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.01	0.01	0.01	0.001	0.01	0.01	0.01	0.01	0.001	0.01	0.01	0.01	1	1	5	20	1	20	10	30	1	1	5	2
Analysis Method	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	
A544469	26.28	6.74	8.43	0.379	9.78	20.43	1.47	3.53	1.217	2.20	16.29	96.75	30	4	96	90	20	50	20	160	19	2	< 5	115
A544470	11.09	1.57	8.85	0.337	9.06	31.58	0.63	1.43	2.456	2.66	27.10	96.77	20	2	121	370	38	190	30	220	12	2	5	41
A544471	22.50	4.57	6.33	0.386	9.32	25.28	1.50	2.41	0.722	1.72	20.79	95.53	31	5	64	100	18	70	30	160	14	2	< 5	76
A544472	29.76	7.09	6.20	0.316	7.62	20.15	3.64	1.85	0.370	1.89	16.21	95.09	27	4	66	40	13	20	30	160	15	2	< 5	53
A544473	9.07	1.66	8.11	0.435	9.99	31.67	0.59	1.25	0.441	3.33	28.92	95.46	23	2	101	20	16	< 20	20	140	13	2	< 5	38
A544474	6.75	1.40	10.58	0.372	7.76	34.01	0.33	1.10	0.485	3.25	29.66	95.70	25	2	78	20	22	20	30	180	15	2	6	37
A544475	15.97	3.69	8.55	0.501	9.78	26.17	1.03	2.20	0.676	2.34	23.34	94.24	28	3	87	50	20	40	30	180	17	2	7	73
A544476	11.10	2.38	6.42	0.528	11.94	28.06	0.69	1.64	0.189	3.36	28.23	94.54	22	2	38	< 20	13	< 20	< 10	190	17	2	7	45
A544477	3.56	0.51	6.52	0.667	14.54	29.53	0.27	0.41	0.426	3.87	34.81	95.11	22	1	42	20	17	30	20	150	12	2	7	13
A544478	14.00	3.38	8.00	0.496	11.02	26.56	0.76	2.30	0.725	2.83	25.17	95.23	28	2	84	30	16	30	20	140	15	2	5	61
A544479	16.41	3.74	8.11	0.488	14.31	23.26	0.68	2.95	0.610	2.63	24.69	97.88	26	3	83	50	17	40	30	170	14	2	< 5	90
A544480	4.91	0.40	7.46	0.640	13.80	29.05	0.38	0.33	0.543	1.41	35.41	94.34	31	2	50	50	15	50	20	100	9	2	6	10
A544481	6.54	0.65	6.86	0.584	13.84	28.72	0.53	0.54	0.684	1.94	34.35	95.24	34	2	51	60	12	60	20	100	9	2	< 5	16
A544482	11.01	1.96	5.90	0.488	14.27	26.42	0.66	1.56	0.323	2.98	30.15	95.73	26	3	48	30	13	20	10	80	12	2	< 5	48
A544483	10.14	2.16	6.47	0.447	12.09	29.88	0.56	1.63	0.458	3.30	29.92	97.05	27	2	64	30	13	30	10	90	12	2	5	50
A544484	4.52	0.81	5.35	0.344	6.77	39.29	0.28	0.70	0.234	3.62	34.01	95.94	20	1	55	< 20	13	< 20	20	110	13	2	7	23
A544485	23.83	4.62	6.43	0.318	8.88	24.00	2.41	2.07	0.478	2.54	19.33	94.92	34	5	68	40	13	30	20	130	15	2	< 5	60
A544486	18.10	3.43	6.36	0.384	12.27	25.80	1.34	2.25	0.490	2.93	23.57	96.92	30	4	71	40	17	40	20	120	15	2	6	71
A544487	14.78	3.04	8.15	0.429	8.67	29.21	1.01	2.14	0.711	2.62	23.85	94.61	31	3	87	50	18	40	20	200	15	2	6	63
A544488	16.30	3.19	7.26	0.562	11.75	26.32	1.15	2.13	0.472	2.87	24.17	96.18	30	3	62	40	17	30	20	110	17	2	6	65
A544489	16.07	2.86	9.32	0.546	12.47	24.80	1.15	1.99	0.572	2.93	23.39	96.10	40	4	65	60	20	40	20	120	17	2	6	59
A544490	6.61	1.50	4.97	0.487	14.18	28.21	0.37	1.04	0.239	2.47	34.35	94.43	20	2	24	20	9	< 20	10	50	8	1	< 5	28
A544491	18.67	3.83	6.14	0.473	15.05	22.83	0.96	2.81	0.468	2.30	24.55	98.09	31	4	55	60	12	30	10	90	11	2	< 5	73
A544492	41.78	8.39	6.17	0.292	8.71	13.13	3.16	4.89	0.321	1.33	9.62	97.79	51	7	67	70	10	20	10	130	16	2	< 5	94
A544493	55.98	12.33	4.53	0.173	4.74	6.25	4.56	5.49	0.314	0.48	4.02	98.88	40	7	68	30	7	< 20	< 10	110	17	2	< 5	73
A544494	57.09	11.94	5.06	0.176	4.40	5.76	5.02	5.36	0.345	0.52	3.11	98.78	40	7	69	30	7	< 20	< 10	140	17	2	< 5	81
A544495	57.55	11.62	4.44	0.161	4.24	6.26	4.91	5.31	0.273	0.67	3.19	98.62	35	7	64	20	5	< 20	< 10	100	16	2	< 5	74
A544496	56.84	11.76	4.82	0.163	3.94	6.09	4.89	5.03	0.311	0.40	3.46	97.71	33	7	66	50	8	< 20	< 10	110	17	2	< 5	74
A544497	47.87	10.60	7.58	0.273	5.55	10.94	3.68	4.17	0.838	0.98	5.76	98.23	31	7	91	50	17	40	30	150	20	2	< 5	105
A544498	58.54	14.29	7.69	0.090	4.40	3.54	2.51	4.65	1.048	0.25	1.73	98.73	18	4	127	90	18	50	20	80	23	2	< 5	157
A544499	94.37	1.57	0.51	0.005	0.19	0.20	0.02	0.47	0.092	0.03	0.65	98.11	< 1	< 1	10	< 20	< 1	< 20	< 10	< 30	2	1	< 5	12
A544500	15.64	6.44	2.35	0.023	3.82	39.35	0.47	0.88	0.215	0.04	30.01	99.23	6	< 1	31	20	2	< 20	20	< 30	8	< 1	< 5	36
A544501	55.84	14.96	8.77	0.103	4.43	5.12	1.07	4.60	1.293	0.48	2.51	99.19	21	6	131	100	23	60	100	50	24	2	< 5	164
A544502	61.64	15.75	6.94	0.037	3.69	1.76	0.96	4.62	0.806	0.21	2.36	98.77	16	4	103	80	18	40	40	170	24	3	< 5	146
A544503	76.91	9.68	3.22	0.028	3.21	0.97	0.31	3.60	0.420	0.13	1.71	100.2	6	2	44	30	7	20	< 10	40	12	2	< 5	100
A544504	80.64	8.49	2.58	0.015	3.04	0.30	0.18	3.50	0.385	0.12	1.62	100.9	4	2	34	30	6	< 20	< 10	40	10	2	< 5	94
A544505	76.90	7.08	4.86	0.022	5.55	0.44	0.17	2.12	0.908	0.20	1.64	99.88	11	1	115	30	18	30	20	80	10	2	< 5	78
A544506	26.01	6.76	9.12	0.663	14.95	15.80	0.92	4.65	0.418	1.44	15.10	95.83	24	3	45	60	33	40	30	1350	23	3	9	117
A544507	42.94	11.40	7.51	0.418	9.55	9.36	3.38	4.90	0.609	1.26	6.93	98.27	27	4	71	60	12	30	30	640	31	4	10	109
A544508	46.59	7.09	7.71	0.517	7.41	13.33	1.84	4.45	0.227	0.86	9.07	99.09	73	3	75	< 20	5	< 20	< 10	80	21	3	7	68
A544509	49.35	7.37	7.96	0.437	6.37	12.02	2.31	4.48	0.286	0.90	6.78	98.27	66	5	79	< 20	4	< 20	< 10	100	17	2	6	68
A544510	50.20	10.22	6.82	0.398	6.45	9.81	3.23	4.63	0.327	1.02	5.91	99.01	41	4	66	30	7	20	< 10	130	30	4	9	78
A544511	69.60	6.29	5.95	0.235	3.73	5.70	1.85	3.47	0.257	0.39	1.80	99.28	58	5	70	< 20	4	< 20	< 10	110	20	3	6	58
A544512	71.92	5.89	6.40	0.221	3.82	4.53	1.76	3.50	0.267	0.39	0.91	99.60	56	5	77	< 20	4	< 20	< 10	140	16	2	< 5	63
A544513	4.78	0.15	8.90	1.822	13.82	28.34	0.32	0.13	0.009	1.20	35.75	95.22	40	1	12	< 20	8	< 20	< 10	60	7	1	5	< 2
A544514	68.28	9.06	5.07	0.161	3.01	3.80	2.90	4.39	0.221	0.32	1.12	98.34	59	5	62	< 20	2	< 20</td						

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Analyte Symbol	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	LOI	Total	Sc	Be	V	Cr	Co	Ni	Cu	Zn	Ga	Ge	As	Rb
Unit Symbol	%	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.01	0.01	0.01	0.001	0.01	0.01	0.01	0.01	0.001	0.01	0.01	0.01	1	1	5	20	1	20	10	30	1	1	5	2
Analysis Method	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS								
A544521	8.83	1.07	6.59	1.123	14.35	26.35	0.59	0.89	0.046	1.59	34.53	95.96	44	2	22	< 20	7	< 20	< 10	90	11	2	6	15
A544522	60.82	8.02	6.47	0.263	5.33	6.80	2.96	4.94	0.318	0.60	2.81	99.32	62	5	85	20	5	< 20	< 10	160	22	3	6	64
A544523	77.41	2.46	4.91	0.218	2.55	5.23	1.86	1.67	0.153	0.34	2.56	99.36	47	2	62	< 20	4	< 20	< 10	70	15	3	7	14
A544524	78.81	3.50	3.65	0.122	1.57	3.46	1.76	2.11	0.121	0.31	1.71	97.13	32	1	46	< 20	2	< 20	< 10	40	8	2	< 5	15
A544525	73.94	2.46	5.10	0.287	3.58	6.86	2.70	0.86	0.129	0.45	3.14	99.51	50	3	66	< 20	4	< 20	< 10	70	11	2	< 5	5
A544526	22.09	4.94	7.44	0.380	9.61	24.25	1.84	2.90	0.701	2.26	19.24	95.66	38	4	61	100	18	40	40	110	18	2	5	69
A544527	22.28	4.40	8.05	0.357	10.79	24.57	1.69	2.81	0.438	2.74	19.42	97.55	38	4	76	130	19	30	20	160	16	2	5	71
A544528	22.06	5.53	7.60	0.515	11.58	22.37	1.75	2.57	0.415	2.36	20.56	97.33	26	3	58	30	14	20	10	150	17	2	5	70
A544529	6.26	1.10	9.48	0.526	10.27	31.58	0.23	1.00	0.385	4.16	29.08	94.08	25	2	70	20	18	20	20	260	14	3	7	28
A544530	8.54	1.46	6.34	0.522	12.99	28.52	0.43	1.07	0.314	3.38	30.50	94.07	25	2	33	20	12	< 20	10	90	11	2	< 5	30
A544531	2.33	0.37	5.84	0.615	12.21	32.58	0.14	0.32	0.101	3.65	36.01	94.15	19	< 1	26	< 20	11	< 20	< 10	90	8	2	5	9
A544532	6.14	1.09	7.73	0.510	12.91	30.15	0.31	0.89	0.277	3.93	31.94	95.89	21	1	50	< 20	12	< 20	10	140	13	2	8	28
A544533	17.40	3.65	5.20	0.384	12.79	25.63	1.13	2.30	0.295	2.54	25.81	97.14	24	3	47	20	11	< 20	< 10	170	14	2	5	71
A544534	40.49	8.55	8.33	0.305	11.46	12.09	2.64	5.07	0.950	1.91	7.78	99.59	43	7	101	70	16	40	10	280	24	3	< 5	141
A544535	31.33	6.30	6.68	0.314	12.13	18.70	1.83	4.35	0.720	2.32	14.37	99.03	35	6	76	70	13	50	< 10	170	19	2	5	106
A544536	32.77	7.82	4.39	0.282	12.40	16.62	2.85	3.12	0.291	2.05	16.72	99.30	23	4	48	30	8	30	< 10	90	17	1	< 5	71
A544537	5.33	0.97	3.46	0.446	15.65	30.51	0.17	0.65	0.061	3.40	36.31	96.95	15	< 1	17	< 20	16	< 20	< 10	70	8	1	6	17
A544538	70.69	15.58	0.58	0.012	0.50	0.47	3.84	7.44	0.027	0.02	0.65	99.80	< 1	3	6	< 20	< 1	< 20	< 10	< 30	17	< 1	< 5	104
A544539	70.74	15.09	0.76	0.019	0.22	1.40	4.65	5.49	0.069	0.02	0.94	99.40	< 1	5	8	< 20	< 1	< 20	< 10	< 30	18	< 1	< 5	75
A544540	61.03	15.78	2.89	0.085	1.65	6.69	5.85	2.75	0.174	0.43	3.05	100.4	20	4	30	< 20	3	< 20	< 10	50	17	1	< 5	53
A544541	36.12	7.81	9.87	0.313	7.21	17.69	2.43	3.31	1.070	2.42	8.89	97.12	35	5	148	60	22	20	20	250	19	3	5	91
A544542	36.13	9.06	8.75	0.312	12.55	12.70	2.25	4.88	0.550	1.81	9.09	98.08	36	5	107	90	18	50	< 10	320	19	2	< 5	124
A544543	34.89	7.89	7.57	0.332	12.00	14.80	2.81	3.36	0.369	1.84	11.15	97.02	44	5	71	70	16	40	40	220	17	2	5	86
A544544	31.13	7.46	6.10	0.278	9.28	20.52	2.61	3.10	0.335	2.29	14.97	98.07	33	5	56	40	12	< 20	10	170	15	2	5	82
A544545	28.74	7.02	6.98	0.322	10.48	20.38	2.45	2.99	0.584	2.15	17.20	99.28	36	3	85	50	16	30	10	130	15	2	< 5	80
A544546	20.40	3.79	7.27	0.399	11.77	24.53	1.28	2.59	0.364	3.23	21.38	96.99	35	4	60	30	14	20	20	130	15	2	< 5	74
A544547	22.70	5.35	7.89	0.347	10.79	23.80	1.74	2.88	0.784	2.69	19.80	98.77	29	3	95	30	16	20	10	110	15	2	< 5	77
A544548	14.64	2.87	7.53	0.364	10.93	28.56	0.82	2.12	0.276	3.08	24.78	95.97	30	3	55	< 20	16	< 20	10	80	13	2	< 5	54
A544549	93.98	2.06	0.57	0.006	0.13	0.71	0.07	0.61	0.104	0.01	0.82	99.07	1	< 1	13	< 20	< 1	< 20	< 10	< 30	3	1	< 5	16
A544550	15.52	6.62	2.31	0.023	3.83	38.76	0.45	0.88	0.219	0.04	29.87	98.53	6	< 1	31	30	2	< 20	20	< 30	8	< 1	< 5	37
A544551	12.43	2.40	5.71	0.429	13.68	27.47	0.83	1.70	0.269	3.22	29.06	97.20	32	2	40	< 20	9	< 20	10	60	10	1	< 5	40
A544552	28.27	5.67	6.41	0.325	10.94	20.90	2.20	3.52	0.238	2.65	16.44	97.57	40	6	53	30	12	< 20	10	110	15	2	< 5	88
A544553	27.05	5.28	7.43	0.353	13.07	19.58	1.72	4.06	0.546	2.33	16.18	97.59	45	5	72	70	17	40	20	130	16	2	< 5	120
A544554	5.93	1.05	4.93	0.413	12.55	30.99	0.33	0.96	0.149	4.56	32.67	94.53	22	1	25	< 20	10	< 20	10	50	9	1	< 5	26
A544555	39.49	7.86	6.34	0.320	9.35	13.20	3.59	4.07	0.301	1.32	11.57	97.40	50	6	74	50	12	< 20	< 10	120	14	2	< 5	88
A544556	42.65	9.04	5.64	0.259	8.24	12.43	3.00	5.71	0.283	1.27	9.62	98.13	41	6	49	30	9	20	< 10	130	14	2	< 5	115
A544557	41.41	8.86	5.66	0.315	7.75	13.40	4.24	3.72	0.329	1.45	11.49	98.62	34	6	53	30	7	< 20	10	90	14	1	< 5	63
A544558	17.82	2.73	4.30	0.421	7.83	31.51	1.55	1.90	0.157	3.03	25.55	96.80	37	3	30	< 20	12	< 20	10	70	10	2	< 5	42
A544559	41.58	8.94	5.53	0.216	8.94	12.65	2.69	6.04	0.231	1.41	10.38	98.60	31	9	43	30	10	< 20	10	120	15	2	< 5	113
A544560	43.16	8.78	5.63	0.227	8.62	13.12	3.82	4.33	0.255	1.60	8.91	98.46	38	8	55	30	10	< 20	10	140	16	2	< 5	95
A544561	45.49	8.98	5.54	0.229	7.83	12.17	3.90	4.52	0.361	1.31	8.08	98.41	46	7	56	30	12	< 20	20	120	15	1	< 5	78
A544562	45.79	9.46	6.54	0.214	7.35	12.81	3.27	4.69	1.184	0.92	7.08	99.30	32	7	92	140	18	60	40	120	17	2	< 5	110
A544563	47.83	9.41	7.59	0.199	6.51	10.51	4.09	4.57	1.563	0.75	5.59	98.61	42	8	132	130	21	60	60	130	19	2	< 5	81
A544564	52.41	10.99	7.62	0.213	6.07	7.19	5.19	4.55	0.647	0.63	4.45	99.96	47	7	127	40	15	< 20	60	150	17	1	< 5	80
A544565	39.70	9.12	7.40	0.289	8.28	12.38	3.28	4.75	0.537	2.06	9.07	96.86	48	4	91	40	17	< 20	50	120	18	2	< 5	83
A544566	39.84	9.54	8.34	0.266																				

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Analyte Symbol	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	LOI	Total	Sc	Be	V	Cr	Co	Ni	Cu	Zn	Ga	Ge	As	Rb
Unit Symbol	%	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.01	0.01	0.01	0.001	0.01	0.01	0.01	0.01	0.001	0.01	0.01	0.01	1	1	5	20	1	20	30	1	1	5	2	
Analysis Method	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS									
A544573	61.41	14.40	6.22	0.118	2.62	4.92	3.37	4.15	0.895	0.35	0.72	99.16	15	3	82	70	14	< 20	10	80	22	2	< 5	136
A544574	65.32	13.83	4.69	0.087	2.28	3.45	3.49	4.39	0.625	0.25	0.85	99.27	12	4	63	50	10	< 20	20	60	21	2	< 5	132
A544575	62.99	14.35	5.13	0.127	2.72	5.40	3.73	4.33	0.676	0.30	1.06	100.8	14	4	82	60	13	30	20	60	21	2	< 5	126
A544576	59.42	13.96	6.01	0.107	3.79	4.61	3.05	4.54	0.860	0.39	1.02	97.77	13	4	88	90	16	< 20	20	70	22	2	< 5	159
A544577	61.49	14.06	6.15	0.090	2.94	3.99	3.75	3.53	0.822	0.33	0.77	97.91	16	3	97	80	15	30	< 10	60	22	1	< 5	116
A544578	61.64	13.35	6.47	0.103	2.88	5.42	3.65	3.36	1.366	0.48	0.72	99.44	16	3	97	90	17	40	20	70	21	2	< 5	102
A544579	61.76	14.85	6.54	0.110	3.13	3.96	3.45	3.34	0.779	0.19	0.91	98.99	17	3	106	90	17	20	20	70	21	2	< 5	92
A544580	57.13	14.18	7.45	0.226	4.40	6.98	3.20	3.39	0.851	0.26	0.97	99.04	22	5	142	130	22	30	20	120	23	2	< 5	123
A544581	64.84	13.81	5.76	0.081	2.49	3.13	2.63	4.21	0.652	0.19	0.85	98.64	14	3	79	30	12	< 20	20	60	21	2	< 5	131
A544582	62.64	12.72	7.32	0.104	3.23	4.61	2.47	3.59	1.106	0.30	0.96	99.04	19	3	112	60	19	40	70	80	20	2	< 5	101
A544583	66.81	12.28	5.37	0.060	1.99	3.37	2.81	3.25	0.912	0.27	1.19	98.32	13	2	71	30	12	< 20	90	60	19	1	< 5	80
A544584	64.84	12.72	6.05	0.075	3.13	3.80	2.17	3.88	0.944	0.34	1.39	99.35	15	2	83	60	15	30	20	70	21	2	< 5	106
A544585	68.03	13.14	4.69	0.034	3.11	0.85	2.69	3.75	0.696	0.17	1.71	98.86	11	2	55	50	11	< 20	< 10	60	19	2	< 5	123
A544586	71.39	12.84	3.98	0.021	4.68	0.54	0.51	3.49	0.627	0.13	2.48	100.7	11	3	67	60	9	30	< 10	40	16	2	< 5	120
A544587	77.35	6.65	2.58	0.028	3.75	4.75	0.43	1.67	0.375	0.12	1.63	99.33	5	2	44	30	6	30	< 10	40	10	2	< 5	53
A544588	63.90	10.21	4.07	0.074	5.60	8.98	0.84	2.94	0.558	0.13	2.85	100.1	10	3	56	40	9	< 20	10	60	16	2	< 5	115
A544589	68.28	12.70	6.30	0.094	2.40	2.79	1.66	3.37	0.592	0.09	1.15	99.42	15	1	73	30	13	< 20	50	110	18	2	< 5	100
A544590	64.12	13.17	7.70	0.122	3.02	4.05	1.92	2.67	0.797	0.19	1.42	99.19	18	1	107	50	19	20	30	250	20	2	< 5	85
A544591	61.85	13.77	9.06	0.131	3.37	4.43	1.87	2.52	1.139	0.30	1.70	100.1	21	1	130	60	22	< 20	50	200	20	2	< 5	72
A544592	62.43	12.50	9.74	0.089	3.32	1.83	2.54	2.01	0.902	0.18	2.71	98.24	18	< 1	117	40	26	< 20	20	80	19	1	< 5	59
A544593	61.71	13.14	7.84	0.112	3.71	4.04	2.32	2.09	0.945	0.17	1.91	98.00	19	1	128	80	19	20	10	80	19	1	< 5	62
A544594	66.80	12.97	6.61	0.098	2.34	3.71	2.52	2.40	0.858	0.12	0.92	99.35	17	2	131	40	17	< 20	20	70	19	2	< 5	69
A544595	59.15	14.81	8.24	0.122	3.28	5.58	3.03	2.23	0.972	0.14	1.10	98.66	24	2	191	100	23	20	30	90	22	2	< 5	57
A544596	60.92	15.21	7.63	0.107	2.89	4.80	2.80	2.64	0.931	0.14	1.30	99.37	20	2	149	70	19	20	20	80	22	2	< 5	72
A544597	63.96	15.29	6.60	0.084	2.45	3.01	3.20	2.91	0.693	0.10	1.13	99.44	19	2	114	80	16	< 20	30	70	21	2	< 5	84
A544598	64.71	14.53	6.14	0.082	2.17	3.38	2.83	2.78	0.632	0.08	1.07	98.40	18	1	110	50	13	< 20	20	60	20	2	< 5	72
A544599	96.80	1.90	0.63	0.005	0.11	0.02	0.03	0.58	0.095	< 0.01	0.45	100.6	1	< 1	10	< 20	< 1	< 20	< 10	< 30	2	1	< 5	16
A544600	15.45	6.43	2.33	0.023	3.77	39.15	0.47	0.88	0.219	0.03	29.99	98.73	6	< 1	31	30	2	< 20	20	< 30	9	< 1	< 5	40
A544601	54.76	15.64	11.15	0.156	4.22	7.29	2.77	1.55	1.251	0.19	0.73	99.70	30	2	218	40	33	50	100	100	21	1	< 5	38
A544602	47.47	15.72	15.31	0.202	6.33	9.69	2.16	1.14	1.772	0.23	0.60	100.6	35	< 1	284	90	45	100	150	140	22	2	< 5	23

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Analyte Symbol	Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Cs	Ba	Bi	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	2	2	4	1	2	0.5	0.2	1	0.5	0.5	3	0.4	0.1	0.1	0.05	0.1	0.1	0.05	0.1	0.1	0.1	0.1	0.1	0.05
Analysis Method	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-ICP	FUS-MS													
A544001	571	35	212	157	11	1.7	< 0.2	4	< 0.5	1.6	1878	0.4	284	642	80.8	324	44.2	9.22	23.3	2.2	9.2	1.3	3.1	0.38
A544002	921	32	129	86	4	1.0	< 0.2	2	< 0.5	1.0	1785	0.5	225	353	37.3	137	22.1	4.89	14.2	1.5	7.3	1.2	3.0	0.40
A544003	311	22	273	130	10	1.9	< 0.2	5	< 0.5	2.0	2964	0.6	230	435	46.9	165	21.6	5.01	13.3	1.3	5.5	0.9	2.3	0.27
A544004	341	10	295	90	4	2.0	< 0.2	7	< 0.5	1.4	4262	< 0.4	621	1120	112	356	34.2	7.17	17.1	1.1	3.4	0.4	0.8	0.09
A544005	850	31	279	90	14	2.0	< 0.2	9	< 0.5	1.7	5868	0.6	2290	3590	332	1000	86.7	16.9	48.4	3.0	9.3	1.1	2.5	0.30
A544006	336	31	242	98	38	1.8	< 0.2	5	< 0.5	3.1	5869	< 0.4	203	463	58.7	230	31.6	5.78	17.3	1.8	7.5	1.2	3.2	0.43
A544007	1584	39	264	164	28	1.8	< 0.2	9	< 0.5	2.2	8782	0.5	3210	5010	444	1360	115	23.0	61.8	3.6	12.3	1.5	3.0	0.36
A544008	2664	42	272	206	4	< 0.5	< 0.2	16	< 0.5	1.9	36190	< 0.4	5650	8900	787	2320	182	33.1	101	5.1	14.7	1.8	3.2	0.36
A544009	5322	30	97	157	54	1.0	< 0.2	7	< 0.5	0.7	64600	< 0.4	11500	16400	1280	3550	227	37.1	57.4	3.5	10.1	0.8	1.4	0.14
A544010	4146	34	204	148	5	< 0.5	< 0.2	12	< 0.5	< 0.5	36960	0.5	4730	6690	576	1600	117	20.9	59.8	3.7	11.9	1.4	2.8	0.32
A544011	781	9	250	171	4	< 0.5	< 0.2	6	< 0.5	< 0.5	2072	< 0.4	208	355	33.6	115	12.9	2.93	8.4	0.7	2.8	0.4	0.9	0.10
A544012	5510	54	166	465	19	1.3	< 0.2	14	< 0.5	1.1	5072	0.5	1280	1990	190	628	72.9	17.0	45.1	4.1	15.9	2.2	4.5	0.49
A544013	1931	14	346	239	< 2	< 0.5	< 0.2	8	0.7	< 0.5	1912	< 0.4	872	1260	102	315	28.9	5.92	18.4	1.2	4.7	0.6	1.3	0.14
A544014	7879	28	153	16	1.4	< 0.2	12	< 0.5	0.7	5084	0.8	3600	4710	386	1120	88.2	17.1	53.4	3.0	9.5	1.2	2.1	0.21	
A544015	2990	32	117	762	38	1.2	< 0.2	8	< 0.5	1.3	3963	0.9	881	1500	124	467	51.3	10.9	25.3	2.2	8.2	1.1	2.3	0.26
A544016	2401	23	133	48	1.3	< 0.2	11	< 0.5	1.1	3965	< 0.4	421	913	82.5	329	39.6	8.60	19.5	1.7	6.4	0.8	1.6	0.18	
A544017	5695	42	66	367	53	0.6	< 0.2	8	< 0.5	1.5	3337	< 0.4	784	1440	154	544	68.5	15.6	40.9	3.3	13.1	1.8	3.7	0.42
A544018	964	11	98	136	< 2	1.1	< 0.2	4	< 0.5	2.0	3779	< 0.4	556	1060	85.4	306	29.3	5.71	13.6	1.0	3.3	0.4	0.8	0.10
A544019	4489	17	91	326	5	0.9	< 0.2	2	< 0.5	1.4	4675	< 0.4	670	1110	110	363	39.9	8.50	22.0	1.6	5.9	0.7	1.4	0.14
A544020	6346	29	69	172	8	0.8	< 0.2	3	< 0.5	1.6	3576	< 0.4	2300	3410	252	849	71.6	13.9	34.2	2.2	8.2	1.1	2.2	0.25
A544021	2975	13	169	279	< 2	1.3	< 0.2	3	< 0.5	1.5	2144	< 0.4	891	1360	122	375	33.7	6.81	19.6	1.3	4.4	0.5	1.0	0.11
A544022	6087	22	127	331	9	1.0	< 0.2	6	< 0.5	< 0.5	1792	< 0.4	620	1040	107	366	42.5	9.57	24.1	1.9	7.3	1.0	1.8	0.21
A544023	7492	15	197	230	< 2	1.3	< 0.2	10	< 0.5	< 0.5	4244	< 0.4	1080	1560	139	408	36.5	7.82	21.3	1.5	5.4	0.7	1.3	0.14
A544024	18740	37	104	799	3	0.7	< 0.2	9	< 0.5	< 0.5	2093	< 0.4	5070	7310	499	1610	113	20.5	58.4	3.6	10.9	1.3	2.4	0.28
A544025	5186	11	235	180	< 2	1.4	< 0.2	11	< 0.5	< 0.5	3518	< 0.4	1620	2180	177	490	34.5	6.39	20.1	1.1	3.6	0.5	1.0	0.10
A544026	1510	10	231	145	3	1.3	< 0.2	8	< 0.5	< 0.5	1329	< 0.4	396	599	55.7	174	17.1	3.70	10.2	0.8	3.0	0.4	0.8	0.09
A544027	13120	33	51	93	42	< 0.5	< 0.2	4	< 0.5	< 0.5	2660	< 0.4	1130	1810	141	485	48.1	10.1	25.5	2.2	8.2	1.1	2.5	0.32
A544028	1911	11	261	98	4	1.6	< 0.2	7	< 0.5	< 0.5	2320	< 0.4	455	686	64.4	198	19.0	4.17	11.6	0.9	3.3	0.5	0.9	0.10
A544029	4628	20	280	56	9	1.5	< 0.2	8	< 0.5	< 0.5	4081	< 0.4	1620	2280	197	567	43.8	8.62	24.1	1.6	6.2	0.8	1.7	0.19
A544030	2621	11	290	99	12	1.8	< 0.2	9	< 0.5	< 0.5	3520	< 0.4	480	731	66.5	203	18.9	4.15	11.1	1.0	3.5	0.5	1.0	0.11
A544031	3152	17	292	113	5	< 0.5	< 0.2	10	0.8	< 0.5	3415	< 0.4	1290	1800	156	453	37.1	7.25	14.8	1.4	5.7	0.7	1.5	0.17
A544032	1975	16	297	69	14	1.7	< 0.2	9	< 0.5	< 0.5	1771	< 0.4	371	607	59.7	197	23.1	5.39	13.9	1.3	5.0	0.7	1.4	0.15
A544033	1833	15	296	129	41	1.6	< 0.2	11	< 0.5	< 0.5	2053	< 0.4	651	1050	98.9	314	29.8	6.15	16.3	1.2	4.5	0.6	1.3	0.17
A544034	2481	29	293	480	6	1.9	< 0.2	12	< 0.5	< 0.5	1085	0.5	774	1270	121	396	43.2	9.62	26.5	2.3	8.7	1.2	2.6	0.30
A544035	4290	31	179	527	48	1.2	< 0.2	10	< 0.5	< 0.5	809	< 0.4	1180	1820	168	536	56.1	12.2	34.2	2.7	10.2	1.3	2.8	0.32
A544036	3042	32	163	123	7	1.0	< 0.2	7	< 0.5	< 0.5	1192	< 0.4	1760	2450	210	616	51.9	10.8	32.9	2.6	9.5	1.3	3.1	0.36
A544037	374	12	215	108	17	1.4	< 0.2	7	< 0.5	< 0.5	668	0.4	561	939	94.6	307	30.5	6.34	15.6	1.1	3.9	0.5	1.0	0.11
A544038	2848	38	144	416	24	0.9	< 0.2	3	< 0.5	1.9	1017	< 0.4	745	1260	126	428	53.1	12.5	32.4	2.9	11.5	1.6	3.4	0.38
A544039	3336	39	223	219	6	1.4	< 0.2	2	< 0.5	1.1	1856	0.7	225	494	60.8	240	39.2	10.2	26.2	2.7	11.5	1.7	3.5	0.40
A544040	5383	47	121	284	< 2	< 0.5	< 0.2	2	< 0.5	0.6	4339	< 0.4	934	1640	173	569	66.5	14.7	37.9	3.3	14.5	2.1	4.5	0.48
A544041	4445	44	147	197	3	0.9	< 0.2	< 1	< 0.5	0.7	2008	< 0.4	430	887	102	387	55.4	13.5	33.4	3.2	13.0	1.8	3.9	0.43
A544042	4401	49	164	190	< 2	0.9	< 0.2	2	< 0.5	0.9	3083	< 0.4	488	907	99.3	357	49.7	12.3	30.9	3.0	13.2	1.9	4.2	0.50
A544043	6043	54	156	208	< 2	1.0	< 0.2	3	< 0.5	0.9	3991	< 0.4	835	1490	154	532	65.4	15.3	38.1	3.7	15.4	2.1	4.7	0.56
A544044	5464	46	183	274	< 2	1.4	< 0.2	4	< 0.5	1.0	4503	< 0.4	854	1520	155	527	60.6	13.6	34.6	3.1	12.5	1.8	4.0	0.45
A544045	3455	29	133	527	< 2	0.9	< 0.2	4	< 0.5	1.4	5040	< 0.4	577	1030	108	364	41.							

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Analyte Symbol	Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Cs	Ba	Bi	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	2	2	4	1	2	0.5	0.2	1	0.5	0.5	3	0.4	0.1	0.1	0.05	0.1	0.1	0.05	0.1	0.1	0.1	0.1	0.1	0.05
Analysis Method	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-ICP	FUS-MS													
A544053	3727	48	231	279	< 2	1.6	< 0.2	2	< 0.5	0.7	1146	< 0.4	214	490	57.3	260	42.8	11.1	26.3	3.0	11.8	1.7	3.9	0.45
A544054	4068	39	252	180	9	1.6	< 0.2	2	< 0.5	1.2	5431	0.7	619	1020	108	377	50.4	12.1	29.4	2.7	11.6	1.6	3.3	0.37
A544055	4613	51	111	298	10	0.9	< 0.2	2	< 0.5	1.0	7902	0.9	536	1090	97.5	395	55.7	13.7	31.1	3.3	12.6	1.8	4.1	0.48
A544056	291	27	140	44	39	0.7	< 0.2	2	< 0.5	2.6	897	< 0.4	47.5	88.9	10.9	42.9	8.8	1.80	6.5	0.9	4.8	0.9	2.7	0.37
A544057	4321	38	630	601	9	0.9	< 0.2	2	< 0.5	< 0.5	1881	0.6	325	671	80.2	310	47.7	11.6	25.3	2.9	11.8	1.5	3.3	0.35
A544058	5029	46	344	464	18	2.2	< 0.2	2	< 0.5	0.5	917	0.8	403	852	102	392	58.0	14.3	34.6	3.5	14.6	2.0	4.2	0.46
A544059	4200	33	151	651	30	< 0.5	< 0.2	2	< 0.5	1.9	674	0.4	260	597	72.6	272	40.1	9.63	21.1	2.4	9.9	1.3	2.7	0.29
A544060	5398	51	200	929	< 2	< 0.5	< 0.2	2	0.7	0.6	855	1.0	336	742	88.4	337	53.0	13.2	29.8	3.5	14.6	2.0	4.2	0.49
A544061	867	9	69	72	10	< 0.5	< 0.2	2	< 0.5	0.8	1513	< 0.4	45.0	92.8	10.6	39.7	5.9	1.52	3.6	0.4	2.0	0.3	0.9	0.13
A544062	3552	47	834	260	14	5.7	< 0.2	3	< 0.5	2.1	1909	0.6	306	646	75.9	287	43.2	11.0	26.4	2.9	12.1	1.8	4.0	0.46
A544063	1535	14	75	75	< 2	< 0.5	< 0.2	2	< 0.5	0.7	2790	< 0.4	79.5	152	17.2	64.0	9.9	2.60	6.2	0.7	3.1	0.6	1.4	0.17
A544064	4213	43	248	267	< 2	< 0.5	< 0.2	3	< 0.5	1.2	1750	0.6	261	589	70.2	289	45.7	11.6	29.7	3.0	12.5	1.8	4.0	0.46
A544065	719	8	79	26	< 2	< 0.5	< 0.2	< 1	< 0.5	0.7	1264	< 0.4	41.7	86.5	9.89	35.5	5.2	1.37	3.2	0.3	1.5	0.2	0.6	0.09
A544066	4730	29	140	86	3	0.8	< 0.2	< 1	< 0.5	0.7	602	< 0.4	294	622	74.4	280	40.9	9.85	24.0	2.3	9.2	1.2	2.6	0.26
A544067	1422	13	53	99	< 2	< 0.5	< 0.2	1	< 0.5	1.3	2034	< 0.4	99.4	204	23.8	87.8	12.4	3.20	7.5	0.8	3.4	0.5	1.1	0.13
A544068	4324	50	237	93	5	1.6	< 0.2	1	< 0.5	1.2	1692	0.7	332	754	94.5	363	57.1	14.4	35.3	3.5	14.6	2.0	4.2	0.45
A544069	772	4	53	38	< 2	< 0.5	< 0.2	< 1	< 0.5	0.9	1473	< 0.4	9.0	21.0	2.55	9.6	1.5	0.59	0.9	0.1	0.6	0.1	0.3	< 0.05
A544070	5081	39	124	195	12	0.8	< 0.2	2	< 0.5	0.9	3083	0.8	365	806	99.1	371	53.1	13.0	30.8	3.1	12.2	1.6	3.1	0.32
A544071	6098	29	91	334	22	0.7	< 0.2	2	< 0.5	< 0.5	1026	0.5	357	734	84.8	314	44.7	10.5	26.1	2.5	9.7	1.2	2.3	0.24
A544072	486	5	68	17	< 2	< 0.5	< 0.2	< 1	< 0.5	0.6	808	< 0.4	8.7	18.2	2.15	8.3	1.2	0.38	0.8	0.1	0.8	0.1	0.5	0.07
A544073	417	< 2	14	6	< 2	< 0.5	< 0.2	< 1	< 0.5	< 0.5	1376	< 0.4	1.4	2.9	0.35	1.4	0.2	0.11	0.2	< 0.1	0.2	< 0.1	< 0.1	< 0.05
A544074	438	2	50	11	< 2	< 0.5	< 0.2	< 1	< 0.5	1.1	2750	< 0.4	1.2	2.3	0.24	0.9	0.2	0.14	0.2	< 0.1	0.3	< 0.1	0.2	< 0.05
A544075	509	3	18	12	< 2	< 0.5	< 0.2	< 1	< 0.5	< 0.5	808	< 0.4	1.9	4.2	0.52	2.0	0.4	0.16	0.3	< 0.1	0.4	< 0.1	0.3	0.06
A544076	623	5	10	18	< 2	< 0.5	< 0.2	< 1	< 0.5	< 0.5	697	< 0.4	1.5	3.5	0.48	2.1	0.5	0.20	0.3	< 0.1	0.5	0.1	0.4	0.07
A544077	4680	44	289	558	7	< 0.5	< 0.2	2	< 0.5	1.6	3386	0.7	431	851	96.0	350	51.2	12.1	30.9	3.3	13.4	1.8	3.8	0.43
A544078	4340	40	940	642	< 2	< 0.5	< 0.2	2	< 0.5	1.5	1750	0.8	320	756	82.3	336	50.1	12.3	30.7	2.9	11.8	1.7	3.7	0.40
A544079	4443	42	513	1220	2	< 0.5	< 0.2	5	< 0.5	0.8	903	0.8	266	725	82.2	340	51.8	12.7	31.5	3.1	12.3	1.8	3.8	0.42
A544080	4017	39	520	264	10	3.9	< 0.2	3	< 0.5	1.6	1697	0.6	378	1060	139	530	68.1	15.4	35.0	3.3	12.5	1.6	3.3	0.36
A544081	4011	37	464	538	3	< 0.5	< 0.2	2	< 0.5	1.0	788	0.5	422	997	105	406	54.3	12.8	32.7	2.8	11.5	2.6	3.4	0.35
A544082	4759	61	438	2940	40	< 0.5	< 0.2	6	< 0.5	0.6	679	2.4	492	1220	135	541	79.5	19.6	48.8	4.5	18.3	2.6	5.4	0.58
A544083	4035	43	581	325	22	3.4	< 0.2	4	< 0.5	0.9	684	1.0	470	1040	125	471	68.0	16.1	38.4	3.6	14.1	1.8	3.4	0.36
A544084	3678	42	313	128	106	2.1	< 0.2	3	< 0.5	2.9	813	0.8	329	869	116	460	69.0	15.8	35.7	3.4	13.5	1.8	3.5	0.36
A544085	3770	39	155	193	44	1.0	< 0.2	3	< 0.5	3.1	829	0.6	331	726	89.1	348	53.1	12.9	30.3	2.9	11.5	1.6	3.2	0.35
A544086	330	2	33	14	< 2	< 0.5	< 0.2	< 1	< 0.5	0.6	846	< 0.4	4.2	9.0	1.10	4.1	0.6	0.22	0.4	< 0.1	0.4	< 0.1	0.3	< 0.05
A544087	266	3	19	5	< 2	< 0.5	< 0.2	< 1	< 0.5	< 0.5	732	< 0.4	1.5	3.2	0.38	1.4	0.3	0.08	0.2	< 0.1	0.3	< 0.1	0.2	< 0.05
A544088	338	2	16	3	< 2	< 0.5	< 0.2	< 1	< 0.5	< 0.5	1431	< 0.4	2.0	4.1	0.47	1.8	0.3	0.10	0.2	< 0.1	0.2	< 0.1	0.2	< 0.05
A544089	445	3	38	12	< 2	< 0.5	< 0.2	< 1	< 0.5	0.8	2095	< 0.4	1.8	4.0	0.43	1.9	0.3	0.17	0.2	< 0.1	0.2	< 0.1	0.2	< 0.05
A544090	2514	37	327	290	< 2	1.4	< 0.2	7	< 0.5	3.4	3619	0.4	309	695	81.4	308	43.8	10.0	25.2	2.4	10.7	1.6	3.7	0.47
A544091	351	3	34	7	< 2	< 0.5	< 0.2	2	< 0.5	0.6	1100	< 0.4	4.4	9.1	1.04	3.8	0.7	0.17	0.4	< 0.1	0.4	< 0.1	0.3	0.05
A544092	404	< 2	19	4	4	< 0.5	< 0.2	< 1	< 0.5	1.0	1971	< 0.4	0.6	1.3	0.18	0.7	0.2	0.10	0.1	< 0.1	0.1	< 0.1	0.1	< 0.05
A544093	443	3	52	8	< 2	< 0.5	< 0.2	< 1	< 0.5	0.7	1950	< 0.4	3.7	7.1	0.77	2.8	0.4	0.16	0.3	< 0.1	0.3	< 0.1	0.2	< 0.05
A544094	3754	40	240	708	< 2	1.1	< 0.2	5	< 0.5	2.7	1856	0.7	238	522	62.1	243	39.1	9.76	24.6	2.6	11.5	1.7	4.0	0.47
A544095	3119	35	420	526	< 2	2.0	< 0.2	6	< 0.5	3.3	3312	0.4	212	471	56.4	223	36.1	8.69	22.4	2.3	9.9	1.5	3.5	0.42
A544096	4938	53	276	521	10	1.0	< 0.2	4	< 0.5	2.7	2505	0.7	298	688	83.6	338	56.1	14.2	34.6	3.5	15.0	2.1	4.7	0.55
A544097	369	3	31	21	< 2	< 0.5	< 0.2	< 1	< 0.5															

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Analyte Symbol	Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Cs	Ba	Bi	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	2	2	4	1	2	0.5	0.2	1	0.5	0.5	3	0.4	0.1	0.1	0.05	0.1	0.05	0.1	0.05	0.1	0.1	0.1	0.1	0.05
Analysis Method	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-ICP	FUS-MS													
A544105	312	5	38	12	3	< 0.5	< 0.2	< 1	< 0.5	0.8	798	< 0.4	1.0	2.2	0.26	1.0	0.3	0.11	0.3	< 0.1	0.5	0.1	0.4	0.06
A544106	327	5	48	15	< 2	< 0.5	< 0.2	1	< 0.5	0.9	949	< 0.4	1.8	3.8	0.43	1.7	0.4	0.14	0.4	< 0.1	0.6	0.1	0.4	0.06
A544107	707	5	34	32	< 2	< 0.5	< 0.2	1	< 0.5	0.8	1080	< 0.4	22.4	48.3	5.50	20.2	2.9	0.69	1.8	0.2	1.0	0.2	0.5	0.07
A544108	4505	43	167	588	3	0.7	< 0.2	4	< 0.5	2.9	2576	< 0.4	263	609	76.2	305	48.7	12.1	30.0	3.1	12.8	1.8	4.2	0.49
A544109	4055	34	186	611	3	0.9	< 0.2	3	< 0.5	2.6	2513	< 0.4	205	480	59.8	235	38.3	9.68	24.4	2.4	10.3	1.5	3.3	0.39
A544110	4525	44	162	501	11	< 0.5	< 0.2	< 1	< 0.5	2.1	1008	0.8	285	685	80.5	317	49.9	12.4	27.5	2.9	12.5	1.8	3.8	0.43
A544111	4796	42	99	683	27	< 0.5	< 0.2	1	< 0.5	1.1	1400	< 0.4	418	903	103	404	58.3	13.8	29.0	3.1	12.7	1.7	3.7	0.38
A544112	5108	26	193	420	44	1.0	< 0.2	4	< 0.5	0.7	4779	< 0.4	497	903	96.3	350	48.1	10.7	25.9	2.1	8.7	1.2	2.5	0.27
A544113	4179	35	76	482	38	< 0.5	< 0.2	2	< 0.5	1.5	1044	< 0.4	279	633	77.2	305	48.2	12.0	29.2	2.7	11.4	1.5	3.2	0.35
A544114	4372	34	157	528	4	0.6	< 0.2	3	< 0.5	2.5	2164	< 0.4	244	498	57.9	224	34.8	8.56	22.1	2.2	9.4	1.4	3.0	0.36
A544115	4385	30	136	496	3	0.7	< 0.2	3	< 0.5	1.8	2537	< 0.4	230	548	69.1	276	41.6	10.0	24.0	2.2	9.5	1.3	2.8	0.30
A544116	4596	39	162	848	3	< 0.5	< 0.2	< 1	< 0.5	1.6	2230	< 0.4	247	549	64.9	256	41.8	10.2	22.3	2.4	10.7	1.5	3.3	0.39
A544117	4840	36	174	719	4	< 0.5	< 0.2	< 1	< 0.5	1.1	3789	< 0.4	239	525	61.2	245	39.0	9.83	21.6	2.4	10.3	1.5	3.1	0.35
A544118	4386	33	113	565	4	0.6	< 0.2	2	< 0.5	2.0	1829	< 0.4	386	689	73.3	268	40.7	9.95	24.8	2.3	10.1	1.5	3.1	0.36
A544119	3727	35	249	460	7	1.3	< 0.2	7	< 0.5	0.9	6075	< 0.4	439	790	82.3	292	41.1	9.80	25.4	2.3	9.9	1.4	3.3	0.39
A544120	6158	42	249	529	8	1.3	< 0.2	6	< 0.5	2.6	4330	0.4	1210	1780	166	542	63.4	13.7	36.7	3.2	12.7	1.8	4.0	0.49
A544121	5517	35	145	370	10	< 0.5	< 0.2	< 1	< 0.5	1.1	3055	< 0.4	397	745	79.1	299	45.0	11.2	23.6	2.5	10.4	1.4	2.8	0.30
A544122	4657	27	91	356	2	0.6	< 0.2	2	< 0.5	0.7	653	< 0.4	217	471	57.5	228	36.0	9.02	22.0	2.1	8.8	1.2	2.5	0.28
A544123	2718	22	109	254	3	0.5	< 0.2	3	< 0.5	0.5	2961	2.4	132	283	33.4	130	20.9	5.26	13.3	1.4	6.2	0.9	2.2	0.27
A544124	2774	32	330	320	3	1.5	< 0.2	4	< 0.5	0.7	3568	< 0.4	173	351	40.7	157	27.2	6.74	17.7	2.0	8.5	1.3	3.0	0.38
A544125	2894	37	177	299	5	0.9	< 0.2	6	< 0.5	0.8	2556	< 0.4	198	417	49.7	198	33.2	8.07	20.3	2.2	9.9	1.5	3.6	0.43
A544126	2084	31	176	297	7	0.9	< 0.2	4	< 0.5	1.0	3809	< 0.4	229	483	56.2	213	33.0	7.69	19.7	1.9	8.6	1.3	3.0	0.38
A544127	2545	34	215	320	4	1.1	< 0.2	3	< 0.5	1.5	3221	0.4	171	349	40.5	154	25.7	6.00	16.5	1.9	8.8	1.4	3.4	0.46
A544128	3145	26	90	627	2	< 0.5	< 0.2	6	< 0.5	< 0.5	109	< 0.4	249	526	62.0	236	36.7	9.02	22.5	2.1	8.8	1.2	2.4	0.25
A544129	2798	26	143	756	8	0.7	< 0.2	6	< 0.5	< 0.5	293	< 0.4	306	596	66.9	247	36.5	8.97	22.6	2.1	8.7	1.2	2.4	0.25
A544130	4014	26	31	153	6	< 0.5	< 0.2	< 1	< 0.5	< 0.5	379	< 0.4	3000	4320	355	1050	80.6	15.5	46.0	2.7	8.6	1.1	2.2	0.23
A544131	3878	43	211	479	24	< 0.5	< 0.2	< 1	< 0.5	0.6	2515	< 0.4	354	717	80.7	318	49.8	12.6	30.3	2.9	12.5	1.9	4.0	0.43
A544132	4646	46	152	422	4	< 0.5	< 0.2	2	< 0.5	0.8	6044	< 0.4	557	1180	128	482	62.8	15.1	36.3	3.0	13.2	1.9	4.2	0.46
A544133	5661	55	129	408	< 2	< 0.5	< 0.2	< 1	< 0.5	0.6	3980	< 0.4	715	1400	146	538	71.0	17.1	41.4	3.7	15.7	2.3	4.9	0.56
A544134	5322	43	150	321	< 2	< 0.5	< 0.2	1	< 0.5	0.7	6880	< 0.4	756	1430	145	518	64.6	14.9	37.3	3.0	12.4	1.8	4.0	0.45
A544135	5812	45	150	411	< 2	< 0.5	< 0.2	2	< 0.5	0.7	5058	< 0.4	1840	3050	275	891	85.0	17.9	46.6	3.2	13.1	1.8	4.0	0.47
A544136	4794	43	221	300	4	< 0.5	< 0.2	1	< 0.5	0.9	4792	< 0.4	696	1340	137	492	61.1	14.5	36.5	3.0	12.7	1.8	4.0	0.45
A544137	3124	48	181	261	< 2	< 0.5	< 0.2	4	< 0.5	1.2	2334	< 0.4	284	659	78.6	315	48.7	12.1	30.7	3.2	13.5	2.1	4.6	0.53
A544138	4021	47	260	726	< 2	< 0.5	< 0.2	4	< 0.5	0.5	1784	< 0.4	302	759	89.9	366	56.8	14.1	34.3	3.3	13.4	2.0	4.2	0.46
A544139	4315	42	189	581	< 2	< 0.5	< 0.2	2	< 0.5	0.8	2962	< 0.4	329	737	81.6	328	49.3	12.0	29.5	2.8	11.9	1.8	3.9	0.44
A544140	4464	49	119	222	< 2	< 0.5	< 0.2	3	< 0.5	< 0.5	3644	< 0.4	626	1290	134	493	64.0	15.3	38.7	3.3	13.8	2.0	4.5	0.50
A544141	619	6	43	18	< 2	< 0.5	< 0.2	< 1	< 0.5	2.3	1493	< 0.4	25.0	48.2	4.97	17.5	2.3	0.69	1.7	0.2	1.1	0.2	0.7	0.10
A544142	3656	37	198	450	< 2	< 0.5	< 0.2	2	< 0.5	1.1	4187	< 0.4	336	764	86.0	336	48.4	11.8	29.3	2.7	10.9	1.6	3.4	0.37
A544143	3748	43	302	338	< 2	< 0.5	< 0.2	2	< 0.5	0.9	1442	< 0.4	244	570	69.0	281	45.8	11.6	29.5	2.9	12.4	1.8	4.0	0.46
A544144	4235	54	275	415	< 2	< 0.5	< 0.2	3	< 0.5	< 0.5	845	< 0.4	275	633	79.2	315	53.0	13.7	32.1	4.0	17.1	2.4	4.9	0.55
A544145	366	5	64	27	< 2	< 0.5	< 0.2	< 1	< 0.5	< 0.5	811	< 0.4	5.3	11.3	1.29	5.0	1.0	0.28	0.8	0.1	0.8	0.2	0.5	0.08
A544146	414	4	42	15	< 2	< 0.5	< 0.2	< 1	< 0.5	0.6	938	< 0.4	6.7	13.0	1.48	5.4	1.0	0.27	0.8	0.1	0.7	0.2	0.4	0.06
A544147	4253	51	127	277	< 2	< 0.5	< 0.2	< 1	< 0.5	< 0.5	1113	< 0.4	256	587	72.6	294	48.9	12.7	30.0	3.7	16.1	2.2	4.5	0.49
A544148	2927	28	174	295	< 2	< 0.5	< 0.2	2	< 0.5	0.7	1320	< 0.4	153	358	43.4	180	29.6	7.63	18.9	1.9	8.1	1.3	2.7	0.31
A544149	5	5	92	< 1	< 2	< 0.5	<																	

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Analyte Symbol	Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Cs	Ba	Bi	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	2	2	4	1	2	0.5	0.2	1	0.5	0.5	3	0.4	0.1	0.1	0.05	0.1	0.1	0.05	0.1	0.1	0.1	0.1	0.1	0.05
Analysis Method	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-ICP	FUS-MS													
A544157	713	32	191	135	122	< 0.5	< 0.2	2	< 0.5	3.9	1926	0.6	141	269	32.8	140	24.5	5.64	14.0	1.5	7.1	1.2	3.1	0.42
A544158	5325	51	189	367	15	< 0.5	< 0.2	< 1	< 0.5	< 0.5	1909	< 0.4	290	714	89.9	367	58.3	14.9	35.5	3.6	14.8	2.2	4.7	0.54
A544159	4882	43	224	1070	11	< 0.5	< 0.2	2	< 0.5	0.7	722	0.5	293	717	91.3	360	53.8	13.2	30.7	3.6	14.9	2.0	4.2	0.47
A544160	3422	35	400	528	2	< 0.5	< 0.2	4	< 0.5	1.4	1386	0.4	236	558	68.9	282	44.3	10.9	26.1	2.5	10.0	1.5	3.0	0.33
A544161	4151	31	215	616	34	< 0.5	< 0.2	3	< 0.5	1.8	4955	< 0.4	360	720	80.3	305	43.7	10.7	26.0	2.3	9.8	1.4	2.8	0.29
A544162	3906	31	135	482	4	< 0.5	< 0.2	5	< 0.5	1.4	1959	< 0.4	392	788	91.7	335	47.1	10.6	23.4	2.5	10.8	1.4	2.9	0.32
A544163	3566	37	162	774	22	< 0.5	< 0.2	6	< 0.5	1.5	4273	< 0.4	343	748	90.1	363	54.6	13.0	31.1	2.7	11.3	1.6	3.5	0.38
A544164	4709	47	161	10	< 0.5	< 0.2	1	< 0.5	1.4	1795	< 0.4	363	839	97.5	392	60.1	14.6	34.7	3.3	13.6	2.0	4.5	0.50	
A544165	4135	54	419	3	< 0.5	< 0.2	5	< 0.5	1.4	1642	0.9	435	1110	133	538	80.4	19.3	46.7	4.2	16.9	2.3	4.9	0.53	
A544166	3994	49	810	3	0.9	< 0.2	8	< 0.5	1.3	1849	0.7	499	1160	130	509	75.4	18.1	44.1	3.9	15.6	2.2	4.6	0.51	
A544167	4741	40	211	294	13	< 0.5	< 0.2	2	< 0.5	1.3	2254	< 0.4	554	1020	102	371	51.0	12.6	30.8	2.7	11.9	1.7	3.7	0.42
A544168	1008	8	59	376	< 2	< 0.5	< 0.2	< 1	< 0.5	1.9	1119	< 0.4	48.9	112	13.3	52.6	8.3	2.01	4.8	0.5	2.0	0.3	0.9	0.11
A544169	4815	49	178	330	30	< 0.5	< 0.2	< 1	< 0.5	1.4	1732	< 0.4	507	1040	113	441	66.3	16.3	38.8	3.5	14.7	2.1	4.3	0.47
A544170	3968	35	248	478	4	< 0.5	< 0.2	< 1	< 0.5	2.2	451	< 0.4	281	592	72.6	284	45.6	11.2	26.5	3.0	11.9	1.6	3.0	0.31
A544171	4262	36	182	391	41	< 0.5	< 0.2	4	< 0.5	0.9	1519	< 0.4	503	992	107	417	61.7	14.6	34.8	2.9	11.8	1.6	3.1	0.33
A544172	4541	49	265	320	9	< 0.5	< 0.2	< 1	< 0.5	0.7	575	< 0.4	271	629	77.9	329	55.7	13.9	33.4	3.3	13.4	2.0	4.0	0.41
A544173	450	3	58	26	6	0.6	< 0.2	1	< 0.5	0.8	1237	< 0.4	8.3	15.6	1.73	6.3	1.0	0.30	0.7	< 0.1	0.6	0.1	0.4	0.06
A544174	2821	29	190	287	10	1.6	< 0.2	5	< 0.5	2.1	658	< 0.4	263	557	65.2	249	38.5	9.20	23.1	2.3	9.3	1.2	2.8	0.32
A544175	3126	30	212	378	141	1.7	< 0.2	5	< 0.5	1.4	956	< 0.4	192	490	65.7	272	42.3	9.96	23.1	2.4	9.6	1.3	2.7	0.30
A544176	2636	27	471	818	77	4.0	< 0.2	7	< 0.5	1.1	1967	< 0.4	156	386	50.3	208	34.1	8.28	20.6	2.1	8.7	1.2	2.8	0.35
A544177	3311	32	309	528	67	2.5	< 0.2	5	< 0.5	1.6	1424	< 0.4	299	663	83.0	322	48.3	11.1	26.1	2.5	9.9	1.3	2.8	0.34
A544178	4698	27	75	198	17	0.7	< 0.2	2	< 0.5	0.8	725	< 0.4	406	788	89.1	334	46.3	10.6	26.4	2.5	9.5	1.2	2.3	0.24
A544179	3606	41	269	187	4	2.3	< 0.2	4	< 0.5	2.7	2092	0.5	318	630	71.8	270	40.9	10.2	26.3	2.7	11.6	1.7	3.8	0.47
A544180	4054	40	155	247	3	1.4	< 0.2	2	< 0.5	2.0	1556	0.6	238	533	65.2	254	40.2	10.3	27.0	2.8	12.0	1.7	3.7	0.44
A544181	4494	55	232	624	3	< 0.5	< 0.2	3	< 0.5	0.8	1081	0.8	426	916	113	444	63.2	15.4	35.9	4.1	17.2	2.4	4.9	0.56
A544182	3607	41	239	396	5	1.9	< 0.2	4	< 0.5	2.3	1970	0.6	270	613	75.4	299	45.1	11.5	27.8	3.0	12.5	1.8	3.8	0.45
A544183	3457	29	293	401	3	2.4	< 0.2	4	< 0.5	1.8	3247	0.4	278	641	77.4	295	41.9	9.61	23.4	2.2	9.2	1.2	2.5	0.30
A544184	4989	43	84	261	4	0.7	< 0.2	1	< 0.5	0.7	1258	< 0.4	269	637	80.9	331	52.5	13.0	32.3	3.4	14.1	1.9	4.1	0.44
A544185	4802	31	85	610	< 2	< 0.5	< 0.2	1	< 0.5	1.0	1084	< 0.4	210	498	63.0	257	41.0	10.2	22.9	2.6	10.7	1.4	2.8	0.30
A544186	6070	36	74	743	< 2	< 0.5	< 0.2	< 1	< 0.5	0.9	950	< 0.4	290	641	80.3	313	49.6	12.0	27.2	3.0	12.2	1.6	3.1	0.33
A544187	5746	25	126	438	3	0.9	< 0.2	4	< 0.5	1.3	2680	< 0.4	282	576	68.1	261	38.4	8.95	21.9	2.1	8.8	1.1	2.3	0.26
A544188	4998	31	95	694	3	< 0.5	< 0.2	< 1	< 0.5	< 0.5	520	< 0.4	226	515	64.7	258	41.4	10.3	22.7	2.7	11.0	1.5	2.7	0.29
A544189	4956	44	191	591	< 2	< 0.5	< 0.2	1	< 0.5	< 0.5	1145	< 0.4	248	571	70.3	291	45.7	11.7	26.6	3.3	13.8	1.9	4.0	0.45
A544190	4760	27	55	854	< 2	< 0.5	< 0.2	< 1	< 0.5	< 0.5	285	< 0.4	206	475	58.3	233	37.0	9.19	21.8	2.4	9.5	1.2	2.4	0.24
A544191	4457	39	84	398	< 2	< 0.5	< 0.2	< 1	< 0.5	0.5	574	< 0.4	239	539	66.3	265	43.6	10.7	25.5	2.9	12.9	1.7	3.7	0.41
A544192	3164	32	126	401	4	1.1	< 0.2	3	< 0.5	0.6	1716	< 0.4	254	524	58.9	223	33.8	8.10	20.5	2.2	9.3	1.4	3.1	0.39
A544193	1943	37	124	268	4	0.9	< 0.2	4	< 0.5	0.8	2976	< 0.4	176	377	44.3	172	27.1	6.13	17.1	1.8	8.7	1.3	3.2	0.42
A544194	3293	32	113	430	4	0.8	< 0.2	3	< 0.5	0.7	3442	< 0.4	216	456	52.1	199	31.2	7.46	18.8	2.1	9.1	1.3	3.1	0.36
A544195	2899	31	173	373	5	1.4	< 0.2	4	< 0.5	0.8	3038	< 0.4	186	400	47.9	187	29.7	7.05	19.1	2.0	8.6	1.3	3.0	0.36
A544196	1780	37	178	321	3	1.6	< 0.2	4	< 0.5	1.6	2853	< 0.4	168	347	39.3	151	24.2	5.43	16.2	1.9	8.9	1.4	3.6	0.50
A544197	364	2	62	16	< 2	< 0.5	< 0.2	< 1	< 0.5	0.7	907	< 0.4	14	2.8	0.31	1.2	0.3	0.08	0.3	< 0.1	0.4	< 0.1	0.3	0.06
A544198	356	< 2	37	10	3	< 0.5	< 0.2	< 1	< 0.5	0.6	1313	< 0.4	2.3	4.4	0.45	1.6	0.3	0.12	0.3	< 0.1	0.3	< 0.1	0.2	< 0.05
A544199	6	5	90	3	< 2	< 0.5	< 0.2	< 1	< 0.5	< 0.5	66	4.3	9.2	18.2	2.00	7.5	1.6	0.27	1.2	0.2	1.0	0.2	0.5	0.08
A544200	920	7	29	7	< 2	< 0.5	< 0.2	< 1	< 0.5	1.1	195	< 0.4	20.5	35.6	4.35	16.3	2.6	0.52	1.9	0.3	1.4	0.3	0.8	0.12
A544201																								
A544202	454	29	277</																					

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Analyte Symbol	Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Cs	Ba	Bi	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	2	2	4	1	2	0.5	0.2	1	0.5	0.5	3	0.4	0.1	0.1	0.05	0.1	0.1	0.05	0.1	0.1	0.1	0.1	0.1	0.05
Analysis Method	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-ICP	FUS-MS													
A544209	1010	28	194	108	17	1.7	< 0.2	5	< 0.5	2.1	4950	1.2	1030	1670	155	480	44.9	8.36	24.8	2.0	7.4	1.1	2.7	0.38
A544210	739	26	191	152	13	1.7	< 0.2	4	< 0.5	2.3	5227	0.6	689	1270	125	401	41.6	7.81	21.1	1.8	6.8	1.0	2.3	0.32
A544211	2318	28	189	124	12	1.4	< 0.2	4	< 0.5	2.5	7577	0.5	713	1410	144	480	49.6	9.38	25.2	2.1	8.1	1.1	2.5	0.34
A544212	2100	19	253	112	34	2.0	< 0.2	10	< 0.5	0.8	6443	1.1	646	1300	135	451	47.7	9.56	23.0	1.7	6.0	0.7	1.5	0.19
A544213	6724	26	247	137	42	2.2	< 0.2	13	< 0.5	< 0.5	17660	0.9	2220	3950	387	1220	105	19.2	54.3	3.1	9.5	1.1	2.0	0.22
A544214	4936	24	251	200	10	2.2	< 0.2	10	< 0.5	0.5	3757	< 0.4	1850	2860	254	751	63.9	12.4	38.4	2.6	8.3	1.0	1.8	0.20
A544215	4840	49	187	147	< 2	1.8	< 0.2	3	< 0.5	0.7	3730	< 0.4	568	1110	120	431	57.7	13.9	37.5	3.5	14.4	2.0	4.2	0.49
A544216	5091	50	276	274	< 2	1.6	< 0.2	4	< 0.5	0.9	5824	< 0.4	882	1690	147	566	66.1	14.2	35.0	3.2	12.3	1.7	3.9	0.46
A544217	3119	31	206	487	< 2	2.1	< 0.2	5	< 0.5	1.0	4739	< 0.4	517	989	105	361	42.4	9.54	25.2	2.3	8.9	1.3	2.8	0.33
A544218	4569	52	147	216	< 2	0.9	< 0.2	1	< 0.5	0.7	4373	< 0.4	489	1110	100.0	401	53.0	12.7	31.3	3.2	12.5	1.8	4.1	0.54
A544219	5145	40	188	447	< 2	1.9	< 0.2	6	< 0.5	0.7	5249	< 0.4	850	1520	157	527	60.2	13.3	32.4	2.8	11.7	1.6	3.7	0.44
A544220	6745	54	186	194	< 2	1.7	< 0.2	2	< 0.5	0.6	5115	< 0.4	1150	2010	198	676	78.6	17.6	45.3	4.0	16.2	2.2	4.9	0.57
A544221	5080	50	270	150	< 2	2.8	< 0.2	2	< 0.5	0.6	4383	< 0.4	619	1250	137	487	65.7	15.4	40.0	3.7	14.8	2.1	4.5	0.51
A544222	164	33	246	31	< 2	2.1	< 0.2	2	< 0.5	3.7	752	< 0.4	45.1	93.9	10.8	42.5	8.1	1.58	6.9	1.0	6.4	1.3	3.6	0.53
A544223	85	40	270	27	< 2	2.3	< 0.2	3	< 0.5	4.2	741	0.6	52.5	107	12.2	46.9	9.4	1.88	8.2	1.3	7.9	1.5	4.7	0.69
A544224	81	48	302	35	2	2.3	< 0.2	3	< 0.5	5.8	645	< 0.4	57.0	122	13.6	55.3	11.7	2.34	10.8	1.6	9.6	1.8	5.1	0.75
A544225	205	5	73	11	< 2	< 0.5	< 0.2	< 1	< 0.5	1.3	597	< 0.4	6.8	14.1	1.56	6.0	1.1	0.31	1.0	0.1	0.9	0.2	0.7	0.13
A544226	273	5	19	6	< 2	< 0.5	< 0.2	< 1	< 0.5	1.4	1099	< 0.4	1.2	2.3	0.25	1.1	0.3	0.14	0.3	< 0.1	0.7	0.2	0.5	0.10
A544227	294	< 2	46	8	< 2	< 0.5	< 0.2	< 1	< 0.5	1.3	1160	< 0.4	3.7	7.7	0.86	3.2	0.6	0.20	0.5	< 0.1	0.4	< 0.1	0.3	< 0.05
A544228	290	36	247	63	7	1.9	< 0.2	3	< 0.5	4.2	1099	< 0.4	52.3	105	11.7	47.2	11.0	2.48	9.3	1.4	7.5	1.4	4.0	0.57
A544229	3409	29	132	326	16	1.1	< 0.2	2	< 0.5	2.9	825	< 0.4	228	504	61.6	245	39.8	9.70	23.7	2.3	9.8	1.3	2.6	0.28
A544230	3894	31	110	410	41	0.8	< 0.2	1	< 0.5	1.4	554	< 0.4	301	626	74.5	294	45.4	11.2	27.4	2.6	10.7	1.4	2.7	0.27
A544231	4142	23	69	352	16	< 0.5	< 0.2	< 1	< 0.5	1.8	1006	< 0.4	197	437	52.7	212	33.9	8.16	20.2	2.0	7.9	1.0	2.0	0.21
A544232	3831	50	173	219	18	< 0.5	< 0.2	3	< 0.5	1.1	2086	2.2	445	1270	161	623	84.1	18.7	42.9	3.8	16.1	2.1	4.2	0.46
A544233	4579	35	179	462	14	2.1	< 0.2	9	< 0.5	3.0	15850	1.4	568	1540	195	751	87.7	17.0	34.9	2.7	10.3	1.4	2.9	0.35
A544234	4272	33	163	613	4	1.7	< 0.2	5	< 0.5	4.4	2129	< 0.4	274	567	67.8	259	39.5	9.21	23.7	2.2	9.8	1.3	2.7	0.33
A544235	355	5	37	20	< 2	< 0.5	< 0.2	1	< 0.5	1.0	606	< 0.4	5.3	11.2	1.36	5.0	0.8	0.21	0.7	0.1	0.8	0.2	0.6	0.10
A544236	333	2	41	14	< 2	< 0.5	< 0.2	< 1	< 0.5	0.9	855	< 0.4	1.6	3.2	0.37	1.6	0.3	0.12	0.3	< 0.1	0.4	0.1	0.3	0.05
A544237	4169	36	223	663	5	1.8	< 0.2	7	< 0.5	2.7	3456	0.5	307	636	76.0	285	41.5	9.66	23.9	2.4	10.2	1.5	3.3	0.40
A544238	1360	9	23	26	< 2	< 0.5	< 0.2	1	< 0.5	0.5	1342	< 0.4	12.1	28.7	3.79	16.6	3.1	1.00	2.2	0.3	1.7	0.3	1.1	0.17
A544239	3195	28	194	367	13	1.7	< 0.2	5	< 0.5	2.9	3172	< 0.4	206	447	53.6	205	29.5	6.67	17.3	1.7	7.6	1.1	2.7	0.33
A544240	2796	29	244	278	< 2	1.9	< 0.2	6	< 0.5	2.5	3392	< 0.4	212	431	50.8	198	30.6	7.27	18.7	1.9	8.3	1.2	2.8	0.35
A544241	2454	30	217	260	21	2.0	< 0.2	6	< 0.5	2.1	1997	< 0.4	242	520	61.8	239	35.1	7.83	20.6	2.1	9.0	1.3	2.9	0.36
A544242	2051	24	116	327	< 2	1.0	< 0.2	4	< 0.5	3.2	1782	< 0.4	198	386	44.0	165	23.8	5.66	14.7	1.5	6.8	1.1	2.6	0.31
A544243	3826	29	32	221	16	< 0.5	< 0.2	< 1	< 0.5	< 0.5	581	< 0.4	289	645	78.3	307	44.5	10.9	25.7	2.6	10.0	1.2	2.5	0.27
A544244	760	3	44	22	< 2	< 0.5	< 0.2	< 1	< 0.5	0.9	1099	< 0.4	16.5	35.8	4.45	17.3	2.7	0.72	1.6	0.2	0.8	0.2	0.5	0.07
A544245	2787	27	131	216	9	1.0	< 0.2	2	< 0.5	2.4	1086	0.4	234	512	62.3	246	36.0	8.15	20.2	2.0	8.4	1.2	2.6	0.30
A544246	4258	55	187	204	125	< 0.5	< 0.2	3	< 0.5	0.5	5544	1.0	435	1150	139	544	77.2	17.5	40.1	3.9	16.8	2.3	4.5	0.51
A544247	3903	31	211	543	9	2.2	< 0.2	10	< 0.5	2.0	4842	3.7	405	882	105	390	51.1	11.2	26.4	2.2	9.7	1.3	3.0	0.35
A544248	3828	36	179	396	31	1.9	< 0.2	9	< 0.5	1.9	9307	2.2	393	876	106	400	52.7	12.1	28.9	2.7	10.8	1.5	3.2	0.35
A544249	9	6	100	5	< 2	0.7	< 0.2	< 1	< 0.5	< 0.5	73	< 0.4	9.5	18.9	2.19	8.4	1.6	0.29	1.3	0.2	1.1	0.2	0.7	0.10
A544250	948	7	27	8	< 2	< 0.5	< 0.2	< 1	< 0.5	1.1	200	< 0.4	20.1	35.1	4.33	16.4	2.9	0.50	2.0	0.3	1.6	0.3	0.8	0.11
A544251	3425	47	144	417	32	1.5	< 0.2	5	< 0.5	2.3	2730	1.3	364	839	103	406	57.9	13.3	33.1	3.1	14.0	1.9	4.2	0.49
A544252	3240	41	191	429	9	1.8	< 0.2	2	< 0.5	1.5	2119	< 0.4	272	553	65.2	249	38.4	9.26	23.8	2.5	11.2	1.7	3.8	0.45
A544253	2323	39	271	177	< 2	2.3	< 0.2	7	< 0.5	1.5	3959	< 0.4	269	509	56.8	218	33.1	8.11						

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Analyte Symbol	Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Cs	Ba	Bi	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	2	2	4	1	2	0.5	0.2	1	0.5	0.5	3	0.4	0.1	0.1	0.05	0.1	0.1	0.05	0.1	0.1	0.1	0.1	0.1	0.05
Analysis Method	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-ICP	FUS-MS													
A544261	4257	36	115	364	20	2.5	< 0.2	1	< 0.5	1.9	1328	0.7	273	678	87.4	354	53.1	12.1	29.0	2.9	11.4	1.5	3.2	0.34
A544262	3016	38	242	373	2	2.4	< 0.2	4	< 0.5	2.3	4710	< 0.4	257	520	59.2	229	36.8	8.77	23.6	2.4	10.1	1.6	3.7	0.44
A544263	3811	39	297	486	11	2.9	< 0.2	5	< 0.5	2.2	3170	0.6	250	559	68.8	286	46.0	10.7	26.6	2.6	10.8	1.6	3.6	0.42
A544264	3018	32	203	327	11	2.3	< 0.2	6	< 0.5	2.5	11650	4.0	207	520	69.0	290	41.1	8.89	20.7	1.9	8.3	1.3	3.2	0.42
A544265	2674	36	224	258	7	2.2	< 0.2	5	< 0.5	2.3	7966	0.6	194	406	49.4	201	33.9	7.93	20.3	2.1	9.1	1.4	3.4	0.44
A544266	4080	37	161	633	11	1.6	< 0.2	4	< 0.5	1.8	5948	0.8	338	660	77.4	310	46.7	10.7	26.7	2.3	9.8	1.5	3.3	0.39
A544267	3656	33	175	680	13	1.7	< 0.2	5	< 0.5	1.7	6602	1.5	264	654	83.3	334	45.6	9.99	24.9	2.1	9.1	1.4	3.2	0.38
A544268	4396	36	165	549	3	1.6	< 0.2	4	< 0.5	1.7	4456	0.4	537	963	107	403	53.7	11.5	29.1	2.3	10.1	1.4	3.5	0.41
A544269	4389	34	291	681	53	2.6	< 0.2	6	< 0.5	1.6	2926	0.8	369	741	86.7	331	46.1	11.0	27.0	2.3	9.9	1.4	2.9	0.33
A544270	4725	33	208	657	6	2.0	< 0.2	5	< 0.5	1.7	3462	< 0.4	548	918	93.8	332	44.5	10.3	26.5	2.3	9.5	1.4	2.9	0.33
A544271	2684	32	184	331	13	1.6	< 0.2	8	< 0.5	2.0	1855	< 0.4	367	672	71.5	264	37.6	8.40	22.1	2.2	8.8	1.4	3.1	0.37
A544272	823	9	21	49	< 2	< 0.5	< 0.2	2	< 0.5	1.1	3566	< 0.4	37.2	66.1	7.03	26.1	4.0	1.15	2.8	0.3	1.8	0.4	1.1	0.16
A544273	3728	36	274	462	< 2	2.5	< 0.2	6	< 0.5	1.3	3437	< 0.4	328	637	71.9	279	42.7	10.5	27.1	2.5	10.8	1.6	3.3	0.34
A544274	6112	33	118	485	< 2	1.2	< 0.2	2	< 0.5	1.5	2894	< 0.4	771	1310	122	428	54.0	12.5	34.0	2.8	10.6	1.5	3.1	0.33
A544275	5637	45	264	342	19	1.4	< 0.2	2	< 0.5	1.4	3682	< 0.4	499	910	102	394	56.5	13.6	34.8	3.4	13.5	1.9	3.7	0.42
A544276	4162	33	210	736	13	1.9	< 0.2	5	< 0.5	1.5	4423	< 0.4	459	801	85.6	315	43.3	10.4	27.7	2.4	9.9	1.4	2.9	0.33
A544277	3045	27	274	239	3	2.4	< 0.2	7	< 0.5	< 0.5	4617	< 0.4	691	982	91.0	289	32.3	7.10	20.4	1.6	6.9	1.0	2.3	0.29
A544278	4029	31	147	671	8	1.4	< 0.2	6	< 0.5	1.5	4089	< 0.4	500	900	97.6	362	48.6	10.9	28.5	2.2	9.3	1.3	2.6	0.29
A544279	5618	29	151	609	3	1.4	< 0.2	4	< 0.5	1.6	1881	< 0.4	233	494	59.3	238	36.6	8.97	22.6	2.1	8.6	1.2	2.6	0.27
A544280	4459	28	56	656	5	0.6	< 0.2	2	< 0.5	0.7	769	< 0.4	263	569	68.4	274	42.6	9.99	25.2	2.2	8.7	1.2	2.4	0.26
A544281	3863	22	84	621	< 2	0.8	< 0.2	2	< 0.5	1.7	1271	< 0.4	181	402	49.3	202	31.2	7.48	17.8	1.6	6.7	1.0	1.9	0.20
A544282	4909	31	128	550	< 2	1.0	< 0.2	5	< 0.5	1.3	1823	< 0.4	333	621	67.2	254	36.3	8.59	22.3	1.9	8.2	1.2	2.5	0.28
A544283	5019	36	139	431	3	1.1	< 0.2	5	< 0.5	0.8	2757	< 0.4	551	936	95.8	336	43.6	10.2	27.5	2.5	9.9	1.3	2.9	0.35
A544284	3375	31	142	791	< 2	1.1	< 0.2	5	< 0.5	1.4	3592	< 0.4	360	661	69.4	253	34.2	7.88	21.2	2.0	8.2	1.2	2.8	0.33
A544285	3762	33	151	362	3	1.1	< 0.2	6	< 0.5	1.2	4053	< 0.4	556	907	87.7	294	35.2	7.69	20.9	1.8	8.2	1.3	3.0	0.39
A544286	2596	32	125	255	8	1.0	< 0.2	6	< 0.5	0.5	4633	< 0.4	447	764	76.6	259	32.4	7.14	19.8	1.8	7.8	1.2	2.8	0.37
A544287	2377	28	185	219	10	1.7	< 0.2	3	< 0.5	1.8	4226	0.5	270	511	55.4	205	30.2	6.88	16.9	1.7	7.5	1.2	2.7	0.34
A544288	3402	39	162	843	10	1.2	< 0.2	3	< 0.5	1.1	4706	0.4	296	578	63.5	240	36.4	8.20	22.1	2.2	9.7	1.6	3.7	0.47
A544289	2998	39	193	802	7	1.4	< 0.2	3	< 0.5	1.7	3876	< 0.4	276	550	60.7	225	33.8	7.95	21.0	2.2	10.0	1.6	3.9	0.49
A544290	944	26	379	119	5	3.0	< 0.2	2	< 0.5	1.3	3269	< 0.4	215	385	39.2	137	19.7	4.10	12.6	1.3	6.3	1.1	3.0	0.40
A544291	975	25	250	100	5	1.9	< 0.2	3	< 0.5	1.7	2160	< 0.4	140	296	34.4	135	20.4	4.50	12.1	1.3	6.3	1.0	2.6	0.35
A544292	1323	31	204	178	18	1.6	< 0.2	4	< 0.5	1.9	3436	< 0.4	194	390	43.4	165	25.2	5.87	16.0	1.6	7.9	1.3	3.3	0.43
A544293	1159	34	195	146	11	1.7	< 0.2	3	< 0.5	1.2	2331	< 0.4	178	356	40.1	148	23.1	5.08	15.3	1.6	8.0	1.4	3.6	0.50
A544294	683	29	188	61	4	1.5	< 0.2	2	< 0.5	1.8	2113	< 0.4	134	246	26.8	100	15.6	3.46	11.0	1.3	6.3	1.1	2.9	0.41
A544295	425	31	219	43	4	1.8	< 0.2	2	< 0.5	2.2	1382	< 0.4	77.5	170	20.1	79.6	14.9	2.95	10.9	1.4	6.8	1.2	3.1	0.41
A544296	506	44	297	89	4	2.4	< 0.2	4	< 0.5	3.7	1339	0.5	104	220	25.6	103	18.6	3.83	13.6	1.8	9.2	1.7	4.6	0.67
A544297	599	34	262	93	3	2.0	< 0.2	3	< 0.5	2.9	1298	0.4	100	204	24.4	103	20.8	5.03	14.7	1.7	8.3	1.4	3.6	0.47
A544298	221	29	239	54	< 2	2.0	< 0.2	3	< 0.5	3.0	705	0.4	80.3	169	19.5	76.1	13.8	2.81	9.9	1.2	6.4	1.2	3.2	0.46
A544299	6	5	106	4	< 2	0.7	< 0.2	< 1	< 0.5	< 0.5	69	< 0.4	9.7	19.7	2.30	8.7	1.7	0.31	1.4	0.2	1.1	0.2	0.6	0.10
A544300	922	7	27	7	< 2	< 0.5	< 0.2	< 1	< 0.5	1.1	195	< 0.4	20.3	36.0	4.38	16.6	3.0	0.53	2.1	0.3	1.5	0.3	0.8	0.12
A544301	284	26	205	35	< 2	1.7	< 0.2	3	< 0.5	2.5	743	< 0.4	59.9	124	14.2	56.0	10.7	2.22	7.9	1.0	5.5	1.0	2.9	0.41
A544302	195	26	256	28	< 2	1.9	< 0.2	3	< 0.5	2.1	413	0.4	61.2	134	15.2	62.2	10.8	2.25	7.9	1.0	5.6	1.0	2.9	0.40
A544303	144	29	264	24	< 2	1.9	< 0.2	3	< 0.5	2.3	546	< 0.4	60.0	129	14.5	56.5	10.7	1.82	7.5	1.0	5.8	1.1	3.3	0.49
A544304	167	36	262	40	< 2	1.7	< 0.2	3	< 0.5	2.8	548	< 0.4	78.1	165	19.0	73.6	14.4	2.53	9.8	1.3	7.4	1.4	4.0	0.59
A544305	122	34	266	30	< 2	1.8	< 0.2	3	< 0.5	2.4	586	< 0.4	67.9	143	16.1	61.6	11.6	2.13	9.0	1.2	6.7	1.3	3.7	0.60
A544306	161	31	248</td																					

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Analyte Symbol	Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Cs	Ba	Bi	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	2	2	4	1	2	0.5	0.2	1	0.5	0.5	3	0.4	0.1	0.1	0.05	0.1	0.1	0.05	0.1	0.1	0.1	0.1	0.1	0.05
Analysis Method	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-ICP	FUS-MS													
A544313	309	35	297	55	< 2	2.0	< 0.2	3	< 0.5	2.7	527	0.7	72.9	157	18.5	73.4	13.5	3.20	10.1	1.3	7.0	1.2	3.6	0.55
A544314	407	38	352	82	< 2	2.8	< 0.2	3	< 0.5	2.1	369	0.8	89.5	226	29.8	130	23.3	5.78	15.3	1.7	8.8	1.5	3.8	0.52
A544315	448	42	365	65	7	2.5	< 0.2	4	< 0.5	2.5	587	0.7	89.9	191	21.4	83.2	15.9	3.89	12.2	1.7	8.6	1.6	4.4	0.65
A544316	4658	22	268	86	26	2.0	< 0.2	12	< 0.5	< 0.5	7838	< 0.4	1500	2620	236	736	62.2	11.7	32.1	1.6	6.7	0.9	1.9	0.21
A544317	4816	20	229	112	18	1.6	< 0.2	7	< 0.5	< 0.5	5030	< 0.4	1340	2070	173	513	42.0	8.03	22.6	1.5	5.6	0.8	1.7	0.21
A544318	3611	23	273	222	11	1.9	< 0.2	12	< 0.5	< 0.5	2172	< 0.4	581	1050	104	349	38.4	8.39	21.5	1.7	6.8	0.9	2.0	0.23
A544319	3865	26	274	332	7	1.9	< 0.2	15	< 0.5	< 0.5	3106	< 0.4	880	1750	165	549	54.3	11.1	29.3	2.2	8.0	1.0	2.2	0.27
A544320	3929	46	188	26	1.5	< 0.2	13	< 0.5	0.5	1788	< 0.4	907	1790	173	603	74.6	17.5	44.4	3.7	14.3	1.9	3.9	0.43	
A544321	1068	23	250	236	7	1.8	< 0.2	15	< 0.5	< 0.5	641	< 0.4	511	909	91.3	308	37.5	8.51	21.9	2.0	7.4	0.9	1.9	0.22
A544322	2597	32	235	401	27	1.8	< 0.2	17	< 0.5	0.5	1115	< 0.4	1060	1770	158	508	53.8	12.2	33.0	2.7	10.6	1.4	2.6	0.30
A544323	3220	35	288	218	15	2.2	< 0.2	20	< 0.5	< 0.5	3591	< 0.4	1400	2280	196	614	61.1	13.5	37.0	3.2	10.9	1.5	2.9	0.33
A544324	1046	18	318	494	9	2.3	< 0.2	9	< 0.5	1.0	3514	< 0.4	423	728	70.9	234	26.8	6.22	16.3	1.4	5.5	0.8	1.6	0.20
A544325	3458	33	199	558	6	1.4	< 0.2	3	< 0.5	0.8	4330	< 0.4	315	672	78.0	303	45.1	11.0	27.4	2.7	10.8	1.5	3.0	0.34
A544326	4038	41	239	360	< 2	1.7	< 0.2	3	< 0.5	0.7	2088	< 0.4	427	860	95.0	357	51.3	12.3	30.5	2.8	12.2	1.7	3.8	0.44
A544327	4948	39	155	555	< 2	1.2	< 0.2	3	< 0.5	0.8	3343	< 0.4	597	1340	137	490	60.9	14.0	35.0	3.1	11.9	1.6	3.4	0.38
A544328	3521	36	188	623	3	1.4	< 0.2	5	< 0.5	1.3	1921	< 0.4	253	612	74.2	288	44.4	11.0	26.6	2.6	10.7	1.5	3.2	0.35
A544329	3256	38	520	531	4	4.1	< 0.2	3	< 0.5	1.3	2123	1.3	259	600	71.8	283	44.6	11.2	27.0	2.8	11.6	1.6	3.6	0.40
A544330	4123	40	173	421	18	1.4	< 0.2	3	< 0.5	0.9	3961	2.0	486	972	109	398	56.4	13.4	33.1	3.2	12.2	1.7	3.3	0.37
A544331	526	24	175	118	35	1.2	< 0.2	2	< 0.5	1.9	1732	0.6	77.0	191	25.3	112	19.1	4.24	10.8	1.2	5.5	0.9	2.5	0.32
A544332	406	24	131	66	33	0.9	< 0.2	1	< 0.5	2.2	1075	< 0.4	52.4	104	12.7	53.3	12.1	3.09	8.5	1.0	5.2	0.9	2.4	0.34
A544333	457	29	247	127	7	1.8	< 0.2	2	< 0.5	3.6	940	0.6	96.1	205	24.2	99.7	19.2	4.80	13.1	1.5	7.1	1.1	2.9	0.37
A544334	360	< 2	21	9	18	< 0.5	< 0.2	< 1	< 0.5	1.1	1383	< 0.4	2.0	3.8	0.43	1.5	0.3	0.22	0.3	< 0.1	0.3	< 0.1	0.2	< 0.05
A544335	503	26	195	98	10	1.4	< 0.2	2	< 0.5	1.9	853	0.5	67.3	146	18.1	74.5	13.9	3.26	9.5	1.1	5.6	1.0	2.6	0.36
A544336	380	32	155	72	10	1.1	< 0.2	3	< 0.5	2.4	849	0.5	40.0	88.8	11.1	46.3	9.9	2.22	7.8	1.1	6.0	1.2	3.5	0.53
A544337	5069	58	127	390	15	< 0.5	< 0.2	3	< 0.5	0.9	2526	1.6	369	813	97.8	372	57.7	13.6	36.0	4.0	16.6	2.4	5.3	0.66
A544338	5603	38	134	42	1.6	< 0.2	6	< 0.5	0.6	3559	2.9	492	1090	123	457	60.3	14.0	34.1	3.0	11.7	1.6	3.3	0.37	
A544339	6714	66	140	471	2.6	< 0.2	3	< 0.5	1.3	1848	11.6	571	1470	169	661	103	25.2	58.8	5.5	20.8	2.6	4.7	0.47	
A544340	5249	43	271	330	17	< 0.5	< 0.2	3	< 0.5	1.0	3284	1.1	408	857	100	377	55.0	13.2	34.2	3.3	13.4	1.8	3.6	0.40
A544341	4559	49	317	584	5	2.0	< 0.2	2	< 0.5	2.8	1491	0.6	283	618	70.8	312	48.4	12.3	29.4	3.1	11.7	1.7	3.4	0.42
A544342	4559	55	499	810	13	3.5	< 0.2	2	< 0.5	1.2	826	1.1	305	860	89.6	396	59.2	14.3	33.9	3.6	13.8	1.9	4.2	0.51
A544343	5426	55	450	917	6	1.3	< 0.2	2	< 0.5	0.6	900	1.2	346	827	103	395	61.5	15.7	38.9	4.0	16.7	2.3	5.0	0.57
A544344	5412	60	370	8	2.3	< 0.2	2	< 0.5	1.0	887	< 0.4	273	640	74.3	330	53.3	13.7	33.8	3.5	14.6	2.3	5.0	0.57	
A544345	2957	27	117	450	5	< 0.5	< 0.2	2	< 0.5	1.8	926	< 0.4	214	459	51.5	209	31.0	7.49	18.9	1.9	7.5	1.2	2.5	0.28
A544346	1577	31	228	405	30	< 0.5	< 0.2	8	< 0.5	2.1	1739	< 0.4	768	1180	97.2	326	34.9	7.56	22.4	1.8	7.6	1.2	3.0	0.36
A544347	2830	32	158	495	6	< 0.5	< 0.2	3	< 0.5	3.7	1392	< 0.4	347	705	68.4	265	37.7	8.99	23.5	2.1	8.5	1.3	2.9	0.31
A544348	3637	33	202	515	17	< 0.5	< 0.2	< 1	< 0.5	3.4	670	< 0.4	197	477	57.9	247	39.4	9.84	24.8	2.3	9.4	1.4	2.9	0.31
A544349	7	5	91	2	< 2	< 0.5	< 0.2	< 1	< 0.5	< 0.5	63	< 0.4	8.3	16.8	1.82	7.6	1.6	0.26	1.2	0.2	0.9	0.2	0.6	0.09
A544350	935	7	27	6	< 2	< 0.5	< 0.2	< 1	< 0.5	1.1	190	< 0.4	18.4	32.8	3.87	15.0	2.5	0.50	1.9	0.2	1.3	0.3	0.8	0.11
A544351	491	5	80	46	4	< 0.5	< 0.2	< 1	< 0.5	1.5	1446	< 0.4	13.2	26.6	2.79	10.4	1.7	0.53	1.3	0.2	1.0	0.2	0.6	0.09
A544352	3217	27	109	455	20	< 0.5	< 0.2	1	< 0.5	4.1	1015	< 0.4	251	550	63.2	257	39.1	9.48	23.3	2.3	8.4	1.2	2.4	0.25
A544353	466	4	48	37	7	< 0.5	< 0.2	< 1	< 0.5	1.4	2486	< 0.4	15.6	30.5	2.98	11.1	1.6	0.37	1.1	0.1	0.7	0.1	0.4	0.06
A544354	297	4	70	31	6	< 0.5	< 0.2	< 1	< 0.5	1.2	877	< 0.4	6.8	13.5	1.42	5.2	1.0	0.24	0.8	0.1	0.7	0.1	0.4	0.07
A544355	328	3	26	9	< 2	< 0.5	< 0.2	< 1	< 0.5	0.8	1166	< 0.4	2.4	4.7	0.51	1.9	0.4	0.20	0.3	< 0.1	0.3	< 0.1	0.2	< 0.05
A544356	439	< 2	45	17	< 2	< 0.5	< 0.2	< 1	< 0.5	0.9	1626	< 0.4	1.4	3.0	0.33	1.5	0.3	0.19	0.3	< 0.1	0.2	< 0.1	0.2	< 0.05
A544357	489	< 2	52	5	< 2	< 0.5	< 0.2	< 1	< 0.5	1.1	2839	< 0.4	5.4	10.3	1.04	3.6	0.5	0.12	0.3	< 0.1				

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Analyte Symbol	Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Cs	Ba	Bi	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	2	2	4	1	2	0.5	0.2	1	0.5	0.5	3	0.4	0.1	0.1	0.05	0.1	0.1	0.05	0.1	0.1	0.1	0.1	0.1	0.05
Analysis Method	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-ICP	FUS-MS													
A544365	602	6	44	91	< 2	< 0.5	< 0.2	< 1	< 0.5	1.6	1019	< 0.4	17.6	38.6	4.65	18.1	3.2	0.90	2.2	0.3	1.4	0.2	0.6	0.09
A544366	3544	36	328	513	2	< 0.5	< 0.2	5	< 0.5	2.8	1518	0.4	275	709	78.3	321	44.9	10.1	25.4	2.3	9.5	1.5	3.7	0.42
A544367	2917	36	210	517	< 2	< 0.5	< 0.2	4	< 0.5	7.0	3116	< 0.4	245	534	60.8	241	34.0	7.76	20.2	2.0	8.8	1.5	3.7	0.47
A544368	381	9	46	44	2	< 0.5	< 0.2	< 1	< 0.5	0.7	901	< 0.4	8.6	17.1	1.81	6.8	1.4	0.38	1.1	0.2	1.2	0.3	0.7	0.11
A544369	287	4	31	14	< 2	< 0.5	< 0.2	< 1	< 0.5	0.8	816	< 0.4	1.4	2.9	0.30	1.3	0.3	0.10	0.3	< 0.1	0.4	< 0.1	0.3	0.06
A544370	388	5	43	33	< 2	< 0.5	< 0.2	< 1	< 0.5	1.4	1663	< 0.4	5.3	12.4	1.47	5.9	1.0	0.29	0.8	0.1	0.8	0.2	0.6	0.10
A544371	2894	37	195	476	15	< 0.5	< 0.2	4	< 0.5	6.5	3661	< 0.4	269	604	67.7	267	35.9	7.97	20.7	2.1	8.7	1.5	3.5	0.43
A544372	360	5	52	29	3	< 0.5	< 0.2	< 1	< 0.5	1.8	958	< 0.4	8.9	18.0	1.91	7.7	1.2	0.30	0.9	0.1	0.8	0.2	0.5	0.08
A544373	332	< 2	41	8	< 2	< 0.5	< 0.2	< 1	< 0.5	1.5	794	< 0.4	1.1	2.1	0.26	1.1	0.2	0.11	0.2	< 0.1	0.3	< 0.1	0.2	< 0.05
A544374	387	3	59	18	< 2	< 0.5	< 0.2	< 1	< 0.5	1.4	1523	< 0.4	2.4	5.2	0.57	2.3	0.5	0.17	0.5	< 0.1	0.5	0.1	0.3	< 0.05
A544375	3089	40	378	552	15	< 0.5	< 0.2	7	< 0.5	8.3	4819	1.0	220	483	55.8	231	36.5	9.29	24.0	2.4	10.6	1.8	4.1	0.49
A544376	426	6	41	39	< 2	< 0.5	< 0.2	1	< 0.5	2.2	1772	< 0.4	4.3	9.0	1.00	4.1	0.8	0.26	0.8	0.1	0.9	0.2	0.7	0.11
A544377	4933	46	145	329	< 2	< 0.5	< 0.2	< 1	< 0.5	2.0	3210	0.4	240	520	58.6	241	37.8	9.95	26.0	2.6	11.2	1.8	4.3	0.49
A544378	5528	32	164	597	11	< 0.5	< 0.2	2	< 0.5	3.3	1218	0.5	220	497	58.3	243	38.0	9.11	22.6	2.2	9.0	1.4	3.2	0.36
A544379	5166	55	114	17	0.9	< 0.2	3	< 0.5	3.1	1342	0.7	254	627	72.7	316	47.9	11.7	28.6	3.1	12.6	1.9	4.2	0.54	
A544380	5479	37	146	904	7	< 0.5	< 0.2	2	< 0.5	2.5	1650	< 0.4	198	466	55.9	231	37.0	9.15	23.4	2.3	10.0	1.5	3.4	0.40
A544381	5352	29	68	635	8	< 0.5	< 0.2	2	< 0.5	2.0	1820	< 0.4	194	447	52.5	220	34.9	8.76	21.8	2.1	8.7	1.3	2.9	0.33
A544382	2807	29	222	559	8	< 0.5	< 0.2	4	< 0.5	2.2	2820	< 0.4	203	404	45.2	179	26.8	6.50	17.0	1.7	7.2	1.2	2.7	0.34
A544383	2718	29	262	524	19	< 0.5	< 0.2	7	< 0.5	1.8	3573	< 0.4	237	482	54.3	214	31.6	7.57	19.6	1.9	7.8	1.2	3.0	0.36
A544384	3523	32	221	367	4	< 0.5	< 0.2	5	< 0.5	1.6	2241	< 0.4	198	425	47.9	196	30.1	7.52	19.5	1.9	8.4	1.3	3.2	0.39
A544385	5019	42	147	6	< 0.5	< 0.2	3	< 0.5	0.9	2133	< 0.4	242	538	64.1	269	43.3	10.8	27.7	2.7	11.6	1.8	4.0	0.46	
A544386	6014	46	117	634	7	< 0.5	< 0.2	1	< 0.5	0.7	1467	< 0.4	257	595	74.1	302	49.1	12.3	31.3	3.2	13.7	1.9	4.0	0.47
A544387	4383	38	185	609	7	< 0.5	< 0.2	4	< 0.5	1.4	2572	< 0.4	229	525	63.7	276	43.7	10.7	26.7	2.5	10.7	1.6	3.5	0.39
A544388	4747	41	212	929	22	1.4	< 0.2	7	< 0.5	2.1	4876	0.8	288	646	78.5	340	51.6	12.3	28.9	2.8	10.6	1.7	3.7	0.43
A544389	5518	49	180	326	6	1.4	< 0.2	4	< 0.5	1.7	5879	1.0	323	804	84.4	379	55.6	12.9	30.6	3.0	11.7	1.7	3.6	0.44
A544390	4148	41	205	349	< 2	1.5	< 0.2	5	< 0.5	2.1	4440	0.6	370	835	80.7	344	47.6	11.2	27.5	2.6	9.9	1.4	3.0	0.36
A544391	5449	44	159	622	9	1.1	< 0.2	2	< 0.5	1.1	2202	< 0.4	375	797	82.7	334	51.1	12.6	31.4	3.1	12.3	1.9	4.2	0.50
A544392	5731	45	85	212	< 2	0.7	< 0.2	2	< 0.5	0.9	1195	< 0.4	386	834	80.2	346	49.7	12.1	29.2	2.9	11.1	1.5	3.2	0.39
A544393	5714	37	148	703	3	1.1	< 0.2	4	< 0.5	2.0	2859	< 0.4	541	976	90.2	336	45.0	10.6	27.8	2.6	10.2	1.6	3.4	0.40
A544394	4767	35	216	650	5	1.4	< 0.2	4	< 0.5	2.0	1613	< 0.4	437	818	78.3	307	42.8	9.52	25.5	2.4	9.1	1.4	3.2	0.39
A544395	4678	31	121	600	3	0.9	< 0.2	13	< 0.5	1.8	1160	< 0.4	335	641	68.7	294	41.3	9.53	23.0	2.2	8.0	1.1	2.3	0.27
A544396	4205	32	164	701	5	1.1	< 0.2	5	< 0.5	1.9	1186	< 0.4	292	578	63.5	258	38.1	9.19	23.7	2.3	8.7	1.4	3.0	0.34
A544397	4512	27	180	33	< 0.5	< 0.2	2	< 0.5	< 0.5	318	0.4	216	583	86.8	414	64.4	13.3	29.2	2.5	9.5	1.1	2.0	0.22	
A544398	4789	28	134	421	3	0.9	< 0.2	3	< 0.5	1.2	1816	< 0.4	176	412	48.8	222	34.4	8.17	19.0	1.9	7.0	0.9	1.9	0.22
A544399	11	6	100	9	< 2	0.5	< 0.2	< 1	< 0.5	< 0.5	88	< 0.4	10.9	21.4	2.32	8.9	1.8	0.32	1.4	0.2	1.0	0.2	0.7	0.10
A544400	949	7	26	9	< 2	< 0.5	< 0.2	< 1	< 0.5	1.1	200	< 0.4	19.0	33.1	3.85	15.3	2.6	0.49	1.9	0.2	1.3	0.3	0.8	0.12
A544401	4009	29	91	621	13	< 0.5	< 0.2	3	< 0.5	1.3	828	< 0.4	186	438	55.8	246	39.2	9.11	21.7	2.0	7.3	1.0	2.1	0.22
A544402	2584	31	150	436	9	0.8	< 0.2	6	< 0.5	1.4	1905	< 0.4	173	359	40.8	167	26.8	6.41	17.1	1.8	7.6	1.2	3.0	0.36
A544403	3265	38	155	475	4	0.8	< 0.2	4	< 0.5	2.0	3035	0.5	197	393	43.8	179	28.8	6.94	18.5	2.0	8.3	1.4	3.5	0.44
A544404	2159	39	207	8	1.1	< 0.2	5	< 0.5	1.2	3876	< 0.4	281	596	67.5	272	40.6	9.36	24.7	2.4	10.1	1.6	3.6	0.44	
A544405	2216	18	155	233	10	1.0	< 0.2	3	< 0.5	2.3	4881	< 0.4	930	1410	118	390	36.7	7.29	20.5	1.4	5.2	0.8	1.7	0.21
A544406	3245	29	87	244	28	< 0.5	< 0.2	3	< 0.5	2.0	5198	< 0.4	3010	4440	360	1140	92.5	17.0	51.0	2.5	8.7	1.1	2.4	0.28
A544407	3610	18	89	148	15	< 0.5	< 0.2	2	< 0.5	1.8	5059	< 0.4	1300	1910	155	495	46.1	8.80	26.1	1.6	5.3	0.7	1.5	0.18
A544408	2528	24	157	220	13	0.9	< 0.2	3	< 0.5	2.1	4388	< 0.4	1720	2380	186	589	52.7	10.2	31.1	1.9	6.8	1.0	2.1	0.26
A544409	2086	28	177	231	8	1.3	< 0.2	3	< 0.5	2.3	4522	< 0.4	840	1280	109	364	41.5	8.95	2					

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Analyte Symbol	Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Cs	Ba	Bi	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
Detection Limit	2	2	4	1	2	0.5	0.2	1	0.5	0.5	3	0.4	0.1	0.1	0.05	0.1	0.1	0.05	0.1	0.1	0.1	0.1	0.1	0.05	
Analysis Method	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	
A544417	6181	27	266	120	39	< 0.5	< 0.2	14	< 0.5	< 0.5	6175	< 0.4	1780	2910	268	822	71.5	13.7	37.2	2.9	8.5	1.0	1.9	0.22	
A544418	5235	16	305	91	36	1.7	< 0.2	16	< 0.5	< 0.5	6652	< 0.4	1910	2930	238	744	53.6	9.52	29.3	1.4	4.7	0.6	1.3	0.15	
A544419	5604	13	217	63	44	1.2	< 0.2	7	< 0.5	< 0.5	6801	< 0.4	1710	2560	206	644	49.2	8.86	26.6	1.3	4.2	0.6	1.2	0.14	
A544420	5097	21	230	116	30	1.4	< 0.2	11	< 0.5	< 0.5	3983	< 0.4	2820	4000	313	945	69.6	12.8	39.5	1.9	6.4	0.8	1.6	0.19	
A544421	4411	32	233	123	10	1.3	< 0.2	13	< 0.5	< 0.5	2375	< 0.4	2890	4270	338	1080	90.3	17.1	47.8	2.8	9.5	1.3	2.6	0.28	
A544422	1872	24	305	298	2	1.6	< 0.2	15	< 0.5	< 0.5	621	< 0.4	720	1130	96.8	331	36.4	8.06	22.2	1.8	6.8	1.0	2.2	0.26	
A544423	3221	35	233	498	7	< 0.5	< 0.2	13	< 0.5	0.6	1246	< 0.4	791	1320	129	421	49.0	11.0	28.4	2.8	10.8	1.4	2.8	0.33	
A544424	1448	26	221	170	38	1.2	< 0.2	9	< 0.5	0.6	1107	< 0.4	1240	1770	141	444	42.4	8.68	25.2	1.9	7.0	1.1	2.3	0.28	
A544425	3775	38	203	577	7	1.2	< 0.2	4	< 0.5	0.6	3274	< 0.4	370	843	86.3	339	48.5	11.6	28.9	2.6	10.6	1.6	3.4	0.38	
A544426	3789	42	396	308	< 2	< 0.5	< 0.2	2	< 0.5	0.7	1446	< 0.4	291	608	73.0	291	47.0	11.5	29.2	3.0	13.1	1.8	3.9	0.45	
A544427	3825	40	272	392	< 2	1.5	< 0.2	4	< 0.5	0.9	2317	< 0.4	380	786	78.3	306	45.3	10.8	28.9	2.8	11.3	1.7	3.9	0.43	
A544428	5946	41	194	451	< 2	1.1	< 0.2	4	< 0.5	1.1	4728	< 0.4	957	1670	154	552	63.3	14.1	37.7	3.1	11.6	1.8	4.0	0.47	
A544429	3911	35	120	522	2	0.7	< 0.2	2	< 0.5	1.3	2093	< 0.4	383	851	85.5	336	46.3	10.8	27.7	2.5	9.9	1.5	3.3	0.37	
A544430	3600	33	119	462	< 2	0.7	< 0.2	2	< 0.5	1.2	1709	< 0.4	285	596	67.2	271	40.1	9.78	25.1	2.4	9.5	1.4	3.1	0.34	
A544431	4267	39	196	351	3	1.6	< 0.2	5	< 0.5	0.6	3419	< 0.4	499	1190	124	462	58.2	13.5	25.1	2.7	11.1	1.5	3.2	0.37	
A544432	4223	55	197	251	6	1.4	< 0.2	5	< 0.5	< 0.5	3990	< 0.4	349	988	102	444	62.0	14.6	34.7	3.4	13.1	1.8	3.9	0.49	
A544433	3705	36	214	276	< 2	1.4	< 0.2	2	< 0.5	0.6	911	< 0.4	180	444	52.5	238	39.0	9.55	22.6	2.4	9.1	1.3	2.6	0.29	
A544434	2744	22	124	504	< 2	0.9	< 0.2	3	< 0.5	0.6	853	< 0.4	121	280	34.1	149	25.5	6.31	16.3	1.5	6.1	1.0	2.0	0.22	
A544435	4325	40	209	366	< 2	1.6	< 0.2	1	< 0.5	< 0.5	1075	< 0.4	237	573	66.2	274	44.4	11.1	22.6	2.6	11.3	1.6	3.1	0.36	
A544436	4045	43	137	446	< 2	0.9	< 0.2	2	< 0.5	< 0.5	1575	< 0.4	257	596	71.7	302	49.1	12.2	30.0	3.0	11.8	1.8	3.9	0.41	
A544437	4153	48	138	414	< 2	0.9	< 0.2	2	< 0.5	0.6	943	< 0.4	225	520	62.6	270	45.7	11.8	29.5	3.1	12.8	2.0	4.4	0.49	
A544438	4061	48	193	447	< 2	1.5	< 0.2	3	< 0.5	0.5	934	0.6	217	501	1060	109	405	54.5	13.7	32.5	3.3	13.3	1.8	3.8	0.43
A544439	3833	45	159	422	< 2	1.2	< 0.2	2	< 0.5	0.7	1362	< 0.4	247	561	64.4	263	43.2	11.3	22.4	2.5	11.8	1.7	3.5	0.41	
A544440	3356	41	194	353	5	1.1	< 0.2	2	< 0.5	1.2	1672	0.5	219	483	56.9	239	39.1	9.99	24.6	2.7	10.8	1.6	3.7	0.42	
A544441	4382	40	242	506	15	1.5	< 0.2	2	< 0.5	1.5	1688	0.9	320	639	72.8	293	45.0	10.9	27.6	2.7	10.4	1.6	3.4	0.39	
A544442	5964	39	260	543	29	2.4	< 0.2	6	< 0.5	1.4	2506	3.1	488	1100	115	428	59.2	13.9	25.5	2.7	11.0	1.5	2.9	0.33	
A544443	5342	45	119	174	37	0.9	< 0.2	4	< 0.5	0.8	3182	0.5	501	1060	109	405	54.5	13.7	32.5	3.3	13.3	1.8	3.8	0.43	
A544444	4142	40	339	423	3	2.2	< 0.2	5	< 0.5	1.7	1778	1.3	311	608	68.4	278	42.7	10.7	26.1	2.7	10.7	1.6	3.3	0.38	
A544445	4802	48	160	8	1.0	< 0.2	3	< 0.5	< 0.5	368	0.5	331	703	76.0	311	48.9	12.2	31.0	3.2	12.8	1.8	4.0	0.47		
A544446	628	11	13	19	< 2	< 0.5	< 0.2	< 1	< 0.5	0.7	1830	< 0.4	42	8.8	1.05	4.7	1.0	0.36	0.8	0.2	1.2	0.3	1.0	0.17	
A544447	944	6	26	212	< 2	< 0.5	< 0.2	< 1	< 0.5	0.7	1036	< 0.4	49.0	97.3	10.5	40.4	5.9	1.45	3.3	0.3	1.4	0.2	0.5	0.07	
A544448	368	5	15	8	< 2	< 0.5	< 0.2	< 1	< 0.5	0.9	1313	< 0.4	1.3	2.7	0.31	1.3	0.3	0.14	0.3	< 0.1	0.5	0.1	0.4	0.07	
A544449	5	6	91	3	< 2	< 0.5	< 0.2	< 1	< 0.5	< 0.5	71	< 0.4	9.2	18.1	1.97	7.9	1.6	0.28	1.3	0.2	1.0	0.2	0.6	0.09	
A544450	895	10	33	7	< 2	< 0.5	< 0.2	< 1	< 0.5	1.1	197	< 0.4	18.5	33.5	3.80	15.7	2.8	0.51	2.0	0.3	1.3	0.3	0.8	0.11	
A544451	333	3	29	18	< 2	< 0.5	< 0.2	< 1	< 0.5	1.3	1293	< 0.4	1.4	2.7	0.34	1.3	0.3	0.16	0.3	< 0.1	0.4	< 0.1	0.3	< 0.05	
A544452	423	3	13	11	< 2	< 0.5	< 0.2	< 1	< 0.5	1.0	838	< 0.4	6.0	11.4	1.23	4.9	0.8	0.29	0.6	< 0.1	0.4	< 0.1	0.2	< 0.05	
A544453	5775	56	143	787	< 2	1.1	< 0.2	2	< 0.5	< 0.5	477	0.5	359	756	83.7	329	53.0	14.0	28.6	3.4	14.7	2.1	4.7	0.55	
A544454	3670	41	165	798	< 2	1.1	< 0.2	2	< 0.5	0.6	504	0.5	264	544	59.3	259	39.7	9.89	23.2	2.5	9.8	1.3	2.8	0.36	
A544455	3076	27	359	< 2	2.7	< 0.2	6	< 0.5	1.3	563	0.7	242	520	56.7	216	33.3	8.43	16.8	1.8	8.0	1.1	2.4	0.28		
A544456	5103	49	135	732	11	1.1	< 0.2	2	< 0.5	0.7	1182	1.1	339	800	90.4	358	55.8	13.8	27.2	3.0	13.8	1.9	4.2	0.49	
A544457	3994	36	162	483	10	0.9	< 0.2	3	< 0.5	4.3	2041	< 0.4	248	553	66.5	286	45.8	11.3	27.0	2.7	10.5	1.6	3.2	0.35	
A544458	3910	24	146	543	53	1.2	< 0.2	4	< 0.5	4.8	1377	< 0.4	219	528	60.4	240	35.9	8.30	16.0	1.7	6.9	1.0	2.1	0.24	
A544459	4711	21	32	375	35	< 0.5	< 0.2	2	< 0.5	3.0	853	< 0.4	146	410	52.1	224	34.4	8.36	15.0	1.4	6.3	0.8	1.7	0.18	
A544460	4379	42	125	216	5	0.8	< 0.2	2	< 0.5	1.7	954	< 0.4	216	500	61.0	265	44.1	11.3	27.8	2.9	11.3	1.7	3.8	0.41	
A544461	3942	45	142	307	68	0.9	< 0.2	2	< 0.5	2.5	870	< 0.4	265</td												

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Analyte Symbol	Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Cs	Ba	Bi	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	2	2	4	1	2	0.5	0.2	1	0.5	0.5	3	0.4	0.1	0.1	0.05	0.1	0.1	0.05	0.1	0.1	0.1	0.1	0.1	0.05
Analysis Method	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-ICP	FUS-MS													
A544469	3963	41	216	808	5	1.2	< 0.2	4	< 0.5	3.6	3809	0.5	248	556	66.0	277	42.9	10.4	25.7	2.6	10.5	1.6	3.6	0.43
A544470	4145	46	194	385	3	1.8	< 0.2	3	< 0.5	0.9	2964	0.8	242	592	68.1	284	47.4	12.1	27.0	3.1	12.6	1.8	3.8	0.42
A544471	4161	40	147	480	3	1.0	< 0.2	4	< 0.5	2.3	3945	0.4	198	486	56.8	255	40.6	9.80	23.1	2.5	9.8	1.4	3.0	0.37
A544472	3213	35	174	585	5	1.1	< 0.2	5	< 0.5	1.1	3509	0.4	193	479	59.0	273	40.9	9.85	22.5	2.3	9.0	1.2	2.8	0.34
A544473	4913	43	107	21	< 0.5	< 0.2	1	< 0.5	0.7	2999	< 0.4	287	739	90.0	362	54.4	13.4	28.4	2.9	13.0	1.8	3.7	0.43	
A544474	4755	48	229	538	2	1.7	< 0.2	4	< 0.5	0.9	1214	0.4	283	723	84.9	348	54.9	14.1	28.4	3.3	13.6	1.9	4.1	0.44
A544475	4418	41	147	655	15	1.2	< 0.2	3	< 0.5	2.5	1437	0.5	315	746	86.1	345	51.2	12.4	24.7	2.7	11.6	1.6	3.5	0.39
A544476	4622	43	222	530	41	1.7	< 0.2	5	< 0.5	1.0	1710	< 0.4	381	870	94.6	401	57.6	13.6	33.5	3.2	12.5	1.8	3.8	0.41
A544477	5003	31	56	430	101	0.6	< 0.2	4	< 0.5	< 0.5	1527	0.6	267	716	92.4	393	60.3	13.6	24.3	2.5	9.8	1.2	2.4	0.25
A544478	4011	42	144	332	10	1.0	< 0.2	2	< 0.5	2.2	956	< 0.4	287	641	72.9	283	44.7	10.9	22.0	2.4	9.9	1.4	2.8	0.33
A544479	4252	31	87	664	14	0.7	< 0.2	4	< 0.5	2.4	1651	0.7	194	474	58.3	252	39.2	9.50	23.0	2.3	8.8	1.3	2.6	0.28
A544480	5854	23	59	455	5	0.6	< 0.2	3	4.7	< 0.5	3427	< 0.4	212	515	59.2	238	36.3	8.60	19.5	1.8	6.9	0.9	1.9	0.21
A544481	5311	28	86	316	4	0.7	< 0.2	2	< 0.5	< 0.5	1450	< 0.4	201	472	53.2	216	34.2	8.73	18.1	1.9	8.2	1.1	2.3	0.25
A544482	4776	30	81	681	3	0.6	< 0.2	2	< 0.5	0.9	1696	< 0.4	232	549	63.3	255	39.8	10.1	19.8	2.2	9.5	1.2	2.5	0.27
A544483	4557	35	155	470	3	1.1	< 0.2	2	< 0.5	1.0	2086	< 0.4	242	552	63.9	256	41.5	10.7	22.2	2.3	9.7	1.3	2.6	0.30
A544484	5351	56	107	361	< 2	1.0	< 0.2	2	< 0.5	0.5	1662	0.5	318	766	90.2	363	58.7	14.9	30.0	3.4	14.7	2.1	4.4	0.52
A544485	3362	42	285	326	3	2.0	< 0.2	6	< 0.5	1.3	3170	1.0	233	541	63.5	285	44.2	10.7	25.2	2.7	10.5	1.5	3.3	0.42
A544486	4657	36	134	535	< 2	0.9	< 0.2	3	< 0.5	1.8	2100	< 0.4	291	637	70.3	280	43.9	10.8	22.5	2.3	10.4	1.5	3.5	0.37
A544487	5809	45	109	917	< 2	0.7	< 0.2	2	< 0.5	1.1	1609	< 0.4	275	619	69.5	277	45.8	11.3	23.0	2.5	11.3	1.6	3.6	0.43
A544488	6863	38	141	484	6	1.1	< 0.2	2	< 0.5	1.5	2325	< 0.4	621	1130	108	395	54.6	13.1	25.5	2.7	11.0	1.5	3.2	0.35
A544489	5156	37	425	375	14	3.2	< 0.2	3	< 0.5	1.3	2586	< 0.4	597	1090	106	403	56.4	13.5	27.6	2.8	11.2	1.5	3.0	0.33
A544490	4388	28	62	185	8	< 0.5	< 0.2	< 1	< 0.5	0.6	2192	< 0.4	202	447	50.8	231	35.6	8.72	20.0	2.0	7.5	1.0	2.1	0.23
A544491	3955	24	79	640	9	< 0.5	< 0.2	3	< 0.5	1.3	993	< 0.4	176	394	46.9	203	32.0	7.87	19.4	1.9	7.2	1.1	2.2	0.25
A544492	3387	28	154	385	5	1.0	< 0.2	5	< 0.5	0.8	2657	< 0.4	191	394	43.7	181	27.4	6.73	17.9	1.8	7.5	1.1	2.6	0.31
A544493	1956	24	181	196	20	1.0	< 0.2	5	< 0.5	< 0.5	3401	< 0.4	161	326	36.2	149	23.5	5.55	14.1	1.5	6.2	0.9	2.2	0.27
A544494	1855	25	205	244	15	1.4	< 0.2	5	< 0.5	< 0.5	3038	0.5	175	335	35.9	143	21.6	5.16	13.7	1.5	6.0	1.0	2.4	0.29
A544495	1871	29	180	219	6	1.0	< 0.2	5	< 0.5	< 0.5	2106	< 0.4	150	306	34.3	144	25.5	6.15	16.2	1.8	7.5	1.2	2.8	0.34
A544496	2009	25	161	202	8	0.8	< 0.2	5	< 0.5	< 0.5	3241	< 0.4	154	299	32.3	131	20.6	5.05	13.1	1.4	6.0	0.9	2.3	0.30
A544497	2248	37	224	483	6	1.2	< 0.2	4	< 0.5	1.8	2972	0.6	173	356	39.7	163	26.5	6.45	17.5	1.9	8.6	1.4	3.4	0.43
A544498	357	31	282	53	< 2	1.6	< 0.2	3	< 0.5	3.5	1471	0.5	82.4	164	17.7	73.2	12.8	2.46	9.2	1.2	5.9	1.1	3.2	0.48
A544499	4	6	86	4	< 2	< 0.5	< 0.2	< 1	< 0.5	< 0.5	66	< 0.4	8.3	15.9	1.73	7.1	1.4	0.24	1.1	0.2	0.9	0.2	0.5	0.08
A544500	952	8	29	7	< 2	< 0.5	< 0.2	< 1	< 0.5	1.1	202	< 0.4	19.5	33.2	3.84	15.5	2.8	0.51	1.9	0.3	1.4	0.3	0.8	0.12
A544501	357	47	304	86	2	1.5	< 0.2	4	< 0.5	3.2	529	0.4	92.5	188	21.1	90.4	17.9	4.09	14.2	1.9	9.3	1.7	4.8	0.69
A544502	199	33	241	32	< 2	1.3	< 0.2	3	< 0.5	1.7	508	0.6	74.2	150	16.1	65.3	11.8	2.32	8.9	1.2	6.3	1.3	3.6	0.54
A544503	79	12	223	13	< 2	1.1	< 0.2	1	< 0.5	1.0	441	< 0.4	29.5	58.9	6.58	26.7	4.9	1.14	3.5	0.5	2.3	1.2	0.17	
A544504	45	9	211	13	< 2	1.0	< 0.2	< 1	< 0.5	1.1	417	< 0.4	22.5	45.6	5.04	20.9	3.9	1.00	2.7	0.3	1.6	0.3	0.9	0.14
A544505	25	9	135	14	< 2	0.6	< 0.2	< 1	< 0.5	2.8	142	< 0.4	18.0	37.2	4.24	18.4	3.5	0.92	2.8	0.4	1.8	0.3	0.9	0.15
A544506	1948	27	44	693	74	< 0.5	< 0.2	2	< 0.5	1.9	859	0.7	641	1260	118	443	54.2	11.7	29.8	2.4	8.4	1.2	2.4	0.25
A544507	962	29	170	209	28	1.1	< 0.2	5	< 0.5	1.8	1630	0.6	1080	1790	158	560	63.2	13.4	35.0	2.7	9.2	1.2	2.4	0.25
A544508	1122	29	184	104	28	1.2	< 0.2	14	< 0.5	1.0	1176	0.5	849	1380	121	429	47.0	10.1	26.6	2.1	8.1	1.2	2.6	0.29
A544509	789	24	253	267	4	1.5	< 0.2	15	< 0.5	0.5	1808	0.5	415	825	77.9	295	37.2	8.49	21.3	1.9	7.1	1.0	2.3	0.26
A544510	844	26	160	237	7	0.9	< 0.2	11	< 0.5	0.9	2884	0.5	1200	1860	156	534	52.4	10.7	29.3	2.0	7.3	1.0	2.2	0.25
A544511	553	22	245	117	< 2	1.4	< 0.2	13	< 0.5	0.6	1581	< 0.4	787	1200	102	350	36.2	7.62	20.7	1.7	6.0	0.9	1.9	0.22
A544512	443	18	226	139	< 2	1.2	< 0.2	12	< 0.5	0.6	1017	0.6	526	928	81.2	284	32.7	7.03	18.2	1.5	5.4	0.8	1.5	0.16
A544513	4073	28	8	281	81	< 0.5	< 0.2	2	< 0.5	< 0.5	873	< 0.4	294	597	65.9	263	37.8	8.91	22.7	2.2	8.2	1.2	2.5	0.28
A544514	303	14																						

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Analyte Symbol	Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Cs	Ba	Bi	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	2	2	4	1	2	0.5	0.2	1	0.5	0.5	3	0.4	0.1	0.1	0.05	0.1	0.1	0.05	0.1	0.1	0.1	0.1	0.1	0.05
Analysis Method	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-ICP	FUS-MS													
A544521	3439	28	13	280	107	< 0.5	< 0.2	2	< 0.5	< 0.5	945	< 0.4	556	1070	97.5	357	43.3	9.86	25.1	2.2	8.1	1.2	2.3	0.26
A544522	777	22	268	282	33	1.6	< 0.2	13	< 0.5	0.7	3018	0.4	826	1420	125	442	47.9	10.0	25.8	2.0	6.9	1.0	2.0	0.24
A544523	1119	27	136	320	12	0.7	< 0.2	8	< 0.5	< 0.5	5400	< 0.4	645	1320	122	462	61.7	13.9	33.5	2.7	9.0	1.1	2.2	0.24
A544524	1151	21	152	128	7	0.9	< 0.2	5	< 0.5	< 0.5	8745	< 0.4	161	355	40.5	170	29.6	7.94	18.7	1.9	6.4	0.9	1.7	0.18
A544525	1641	32	144	153	20	0.9	< 0.2	7	< 0.5	< 0.5	8113	< 0.4	364	768	75.0	298	47.6	12.2	29.2	2.8	10.0	1.3	2.7	0.30
A544526	4067	43	224	427	5	1.5	< 0.2	3	< 0.5	0.9	4495	< 0.4	446	938	90.6	352	50.5	12.2	31.0	3.1	12.1	1.8	4.0	0.46
A544527	3737	41	155	557	4	0.9	< 0.2	4	< 0.5	1.0	2565	< 0.4	318	693	78.2	319	47.1	11.5	28.9	2.9	11.7	1.7	3.8	0.44
A544528	4175	35	165	526	15	1.5	< 0.2	4	< 0.5	1.2	4206	< 0.4	297	678	77.1	309	45.7	11.2	24.3	2.4	9.8	1.4	2.8	0.32
A544529	4286	46	379	274	57	3.3	< 0.2	3	< 0.5	< 0.5	1725	< 0.4	371	868	96.9	397	61.0	14.8	31.3	3.4	13.4	1.8	3.6	0.40
A544530	3943	38	232	284	13	1.6	< 0.2	2	< 0.5	0.5	1096	< 0.4	279	626	72.3	319	47.3	11.3	26.2	2.7	10.1	1.3	2.7	0.31
A544531	4908	33	74	357	10	0.8	< 0.2	1	< 0.5	< 0.5	902	< 0.4	292	642	71.6	294	44.4	11.0	27.1	2.6	10.1	1.5	3.0	0.30
A544532	4100	34	127	486	19	1.0	< 0.2	2	< 0.5	0.6	1094	< 0.4	329	773	89.1	358	55.4	13.5	27.0	2.7	10.8	1.5	3.0	0.30
A544533	3856	33	149	407	4	1.1	< 0.2	4	< 0.5	1.5	1760	0.5	213	508	61.3	266	40.6	9.87	24.5	2.4	9.4	1.4	2.9	0.32
A544534	2175	29	329	586	< 2	2.1	< 0.2	13	< 0.5	2.1	5075	< 0.4	368	707	72.7	273	38.5	9.02	17.7	1.9	8.0	1.1	2.5	0.29
A544535	3276	35	142	802	3	1.0	< 0.2	9	< 0.5	1.5	2476	< 0.4	226	546	65.7	281	43.2	10.4	26.0	2.6	9.9	1.5	3.0	0.33
A544536	2695	23	106	652	< 2	0.6	< 0.2	6	< 0.5	1.2	2071	< 0.4	138	321	38.3	164	26.2	6.50	16.6	1.7	6.4	0.9	2.0	0.22
A544537	3793	26	50	241	5	< 0.5	< 0.2	< 1	< 0.5	< 0.5	389	< 0.4	163	439	54.1	227	37.9	9.39	19.1	2.0	8.0	1.1	2.2	0.22
A544538	631	3	32	28	< 2	< 0.5	< 0.2	< 1	< 0.5	0.5	2263	< 0.4	6.7	13.7	1.45	5.6	0.8	0.34	0.6	< 0.1	0.4	< 0.1	0.2	< 0.05
A544539	747	7	112	66	< 2	0.7	< 0.2	2	< 0.5	< 0.5	2389	< 0.4	17.9	35.2	3.69	14.0	2.2	0.64	1.5	0.2	1.0	0.2	0.6	0.09
A544540	740	10	43	41	< 2	< 0.5	< 0.2	3	< 0.5	0.6	835	< 0.4	29.5	72.4	9.05	39.1	6.2	1.42	3.7	0.4	1.9	0.4	1.0	0.14
A544541	2318	36	168	307	< 2	1.2	< 0.2	11	< 0.5	2.1	4964	0.8	190	525	66.1	279	43.4	10.2	20.0	2.3	9.4	1.3	3.2	0.38
A544542	2228	26	119	592	< 2	0.8	< 0.2	8	< 0.5	2.7	4946	0.6	181	511	65.6	284	39.6	8.98	21.2	2.0	7.3	1.1	2.2	0.25
A544543	2923	25	140	617	4	1.2	< 0.2	9	< 0.5	1.7	5516	1.0	189	512	67.6	296	41.3	9.06	21.8	1.9	7.1	1.0	2.2	0.26
A544544	3277	36	199	387	< 2	1.2	< 0.2	6	< 0.5	1.4	3194	< 0.4	177	436	54.0	235	38.6	9.49	23.6	2.5	9.9	1.5	3.2	0.35
A544545	3505	30	132	426	< 2	0.8	< 0.2	6	< 0.5	1.6	2325	< 0.4	178	412	48.7	208	32.1	8.06	20.2	2.1	8.7	1.3	2.9	0.34
A544546	4802	40	162	870	3	1.0	< 0.2	4	< 0.5	1.0	2201	< 0.4	252	586	68.3	284	44.2	10.8	27.5	2.8	11.1	1.6	3.5	0.42
A544547	3517	38	262	708	2	1.7	< 0.2	4	< 0.5	1.6	1479	< 0.4	189	436	51.2	219	34.9	9.18	23.1	2.5	10.1	1.5	3.3	0.39
A544548	4321	40	190	769	< 2	1.3	< 0.2	3	< 0.5	1.3	878	< 0.4	218	505	59.1	250	40.7	10.5	26.7	2.8	11.3	1.7	3.6	0.42
A544549	14	7	91	9	< 2	< 0.5	< 0.2	< 1	< 0.5	< 0.5	82	< 0.4	10.4	20.5	2.20	8.9	1.8	0.31	1.3	0.2	1.1	0.2	0.7	0.11
A544550	943	9	28	9	< 2	< 0.5	< 0.2	< 1	< 0.5	1.1	202	< 0.4	19.5	33.9	3.91	15.7	2.6	0.52	2.0	0.3	1.4	0.3	0.8	0.12
A544551	3838	34	157	643	< 2	1.0	< 0.2	2	< 0.5	0.6	616	< 0.4	173	433	51.4	233	38.2	9.52	22.5	2.4	8.8	1.2	2.5	0.29
A544552	3840	36	194	845	< 2	1.2	< 0.2	5	< 0.5	1.1	1333	< 0.4	206	479	55.9	234	38.1	9.65	24.1	2.6	10.0	1.5	3.3	0.38
A544553	3984	34	122	< 2	0.7	< 0.2	4	< 0.5	1.6	975	0.8	212	482	55.9	237	37.7	9.24	23.6	2.4	9.8	1.5	3.2	0.38	
A544554	4446	35	93	850	< 2	< 0.5	< 0.2	< 1	< 0.5	< 0.5	400	< 0.4	216	534	64.9	269	44.1	11.6	24.9	2.9	11.6	1.5	2.8	0.30
A544555	3019	27	103	496	< 2	0.6	< 0.2	5	< 0.5	0.9	1558	< 0.4	151	327	37.3	154	24.9	6.01	15.9	1.7	6.9	1.1	2.5	0.30
A544556	2411	25	148	338	17	0.9	< 0.2	5	< 0.5	1.1	1556	< 0.4	153	331	37.9	158	25.9	6.30	15.9	1.7	6.7	1.0	2.4	0.29
A544557	2403	29	166	519	5	1.0	< 0.2	5	< 0.5	0.5	1745	< 0.4	135	299	34.1	147	24.7	6.22	16.3	1.8	7.5	1.2	2.8	0.34
A544558	5245	55	72	445	2	< 0.5	< 0.2	< 1	< 0.5	< 0.5	1278	< 0.4	290	650	73.9	297	50.3	12.8	28.9	3.5	14.9	2.2	5.1	0.58
A544559	2079	27	139	359	< 2	0.8	< 0.2	4	< 0.5	0.8	2377	< 0.4	173	366	40.8	168	26.8	6.65	17.0	1.8	7.1	1.1	2.5	0.31
A544560	2235	32	115	537	< 2	< 0.5	< 0.2	3	< 0.5	0.8	1834	< 0.4	228	476	54.7	208	31.7	7.85	18.9	2.0	8.8	1.2	2.9	0.34
A544561	2896	27	148	472	4	< 0.5	< 0.2	4	< 0.5	< 0.5	1955	< 0.4	158	330	39.2	153	25.7	6.30	16.0	1.7	7.5	1.1	2.5	0.30
A544562	2745	26	228	337	2	< 0.5	< 0.2	4	< 0.5	1.2	2908	< 0.4	170	332	37.8	149	23.6	5.87	14.6	1.6	7.1	1.1	2.5	0.31
A544563	1718	29	347	231	3	< 0.5	< 0.2	5	< 0.5	0.6	2683	< 0.4	202	380	43.3	165	26.2	6.58	17.1	1.8	7.7	1.2	2.8	0.33
A544564	1455	26	212	282	16	< 0.5	< 0.2	5	< 0.5	0.9	2680	< 0.4	138	289	34.3	133	21.5	5.37	13.7	1.6	7.0	1.1	2.6	0.35
A544565	2339	28	156	10	< 0.5	< 0.2	4	< 0.5	1.0	2855	< 0.4	221	4											

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Analyte Symbol	Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Cs	Ba	Bi	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	2	2	4	1	2	0.5	0.2	1	0.5	0.5	3	0.4	0.1	0.1	0.05	0.1	0.05	0.1	0.05	0.1	0.1	0.1	0.1	0.05
Analysis Method	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-ICP	FUS-MS													
A544573	393	45	249	43	< 2	< 0.5	< 0.2	3	< 0.5	1.6	1438	< 0.4	100	196	21.7	83.2	15.0	2.41	11.1	1.5	8.4	1.5	4.2	0.60
A544574	376	30	250	33	< 2	< 0.5	< 0.2	2	< 0.5	1.6	1633	< 0.4	96.0	198	22.9	87.5	14.8	2.53	9.6	1.2	6.2	1.1	2.9	0.41
A544575	460	33	253	51	2	1.6	< 0.2	4	< 0.5	1.7	1384	< 0.4	65.2	150	18.2	85.1	15.3	3.04	9.7	1.2	5.7	1.0	3.0	0.45
A544576	401	30	257	43	< 2	< 0.5	< 0.2	4	< 0.5	2.0	1510	< 0.4	81.0	160	18.1	68.2	12.3	2.29	8.6	1.1	5.9	1.0	2.9	0.42
A544577	318	43	288	43	< 2	< 0.5	< 0.2	3	< 0.5	1.5	1332	< 0.4	106	208	24.2	92.2	17.1	2.48	12.0	1.6	8.6	1.6	4.6	0.67
A544578	406	44	300	55	< 2	< 0.5	< 0.2	3	< 0.5	1.5	1517	< 0.4	84.7	166	19.1	75.7	14.4	2.73	10.9	1.5	8.1	1.6	4.3	0.62
A544579	292	26	179	18	< 2	< 0.5	< 0.2	< 1	< 0.5	1.0	1380	< 0.4	44.9	90.8	10.6	43.2	8.6	1.55	6.3	0.9	4.9	0.9	2.7	0.39
A544580	447	46	172	101	9	< 0.5	< 0.2	2	< 0.5	1.9	1128	0.8	68.6	168	23.2	105	22.5	5.19	15.1	1.9	9.5	1.6	4.4	0.61
A544581	250	35	303	25	< 2	< 0.5	< 0.2	< 1	< 0.5	1.1	1122	< 0.4	76.9	154	17.3	65.2	11.9	1.73	8.8	1.2	6.7	1.3	3.5	0.50
A544582	219	32	325	42	< 2	< 0.5	< 0.2	1	< 0.5	0.9	1196	< 0.4	61.6	127	15.5	62.7	12.5	2.44	9.0	1.2	6.6	1.2	3.6	0.50
A544583	169	25	277	25	< 2	< 0.5	< 0.2	< 1	< 0.5	< 0.5	1167	< 0.4	60.0	124	14.3	56.4	10.9	1.97	7.8	1.0	5.2	1.0	2.7	0.37
A544584	166	30	271	44	3	< 0.5	< 0.2	3	< 0.5	0.5	1138	< 0.4	74.6	148	17.1	66.8	12.5	2.40	9.0	1.2	6.4	1.2	3.1	0.44
A544585	141	46	288	20	< 2	< 0.5	< 0.2	3	< 0.5	0.9	910	< 0.4	68.2	137	15.1	58.2	10.8	1.56	8.5	1.3	7.9	1.7	5.2	0.77
A544586	91	23	227	20	< 2	1.1	< 0.2	3	< 0.5	1.4	388	< 0.4	53.5	112	11.3	43.4	7.5	1.31	5.3	0.8	4.2	0.8	2.2	0.34
A544587	77	14	183	15	< 2	1.1	< 0.2	1	< 0.5	0.9	178	< 0.4	24.4	50.9	5.51	23.9	4.4	0.94	3.1	0.4	2.1	0.4	1.3	0.21
A544588	152	29	216	14	< 2	< 0.5	< 0.2	2	< 0.5	2.9	369	< 0.4	38.9	75.1	8.98	35.3	7.1	1.24	5.6	0.9	5.3	1.0	3.2	0.48
A544589	153	32	246	11	3	< 0.5	< 0.2	< 1	< 0.5	1.0	1085	< 0.4	56.6	109	12.1	48.3	8.6	1.49	6.5	1.0	6.0	1.2	3.6	0.51
A544590	211	32	178	12	< 2	< 0.5	< 0.2	3	< 0.5	0.8	926	< 0.4	54.1	106	12.0	47.0	9.0	1.53	7.2	1.0	5.6	1.1	3.3	0.48
A544591	244	27	213	14	< 2	< 0.5	< 0.2	< 1	< 0.5	0.8	1097	< 0.4	48.7	95.7	10.7	42.7	7.7	1.67	6.0	0.9	5.2	1.0	3.1	0.47
A544592	209	23	186	12	3	< 0.5	< 0.2	< 1	< 0.5	0.8	707	< 0.4	43.6	83.7	9.23	36.5	6.5	1.24	5.2	0.7	4.5	0.9	2.7	0.40
A544593	181	28	169	13	2	< 0.5	< 0.2	< 1	< 0.5	1.4	741	< 0.4	41.5	80.8	9.11	36.3	7.1	1.45	5.8	0.9	5.3	1.1	3.3	0.50
A544594	228	26	175	11	< 2	< 0.5	< 0.2	< 1	< 0.5	1.2	812	< 0.4	50.9	101	11.4	42.5	7.9	1.37	6.1	0.9	5.0	1.0	2.9	0.44
A544595	295	24	185	9	< 2	< 0.5	< 0.2	1	< 0.5	1.0	808	< 0.4	42.0	80.4	9.02	34.8	6.5	1.54	5.4	0.8	4.7	0.9	2.8	0.41
A544596	281	25	195	10	< 2	< 0.5	< 0.2	1	< 0.5	1.2	971	< 0.4	51.4	101	11.4	43.0	8.0	1.62	5.9	0.9	4.8	0.9	2.9	0.42
A544597	232	26	195	9	< 2	< 0.5	< 0.2	< 1	< 0.5	1.2	983	< 0.4	49.4	97.4	10.9	41.8	7.6	1.50	5.5	0.8	4.8	1.0	3.0	0.46
A544598	278	25	194	9	< 2	< 0.5	< 0.2	< 1	< 0.5	1.1	996	< 0.4	53.4	104	11.4	44.2	8.0	1.49	5.9	0.8	4.8	1.0	2.9	0.44
A544599	4	7	104	1	< 2	< 0.5	< 0.2	< 1	< 0.5	< 0.5	71	< 0.4	9.1	18.0	2.01	7.7	1.5	0.28	1.2	0.2	1.1	0.2	0.7	0.10
A544600	926	8	25	5	< 2	< 0.5	< 0.2	< 1	< 0.5	1.1	202	< 0.4	20.8	35.3	4.16	15.1	2.7	0.48	1.9	0.3	1.5	0.3	0.8	0.11
A544601	278	24	125	9	< 2	< 0.5	< 0.2	< 1	< 0.5	0.6	496	< 0.4	34.2	67.2	7.74	30.9	6.4	1.51	5.3	0.8	4.7	0.9	2.8	0.40
A544602	189	24	139	8	< 2	< 0.5	< 0.2	< 1	< 0.5	< 0.5	283	< 0.4	17.7	38.3	4.87	21.3	5.3	1.67	5.1	0.8	4.8	1.0	2.8	0.43

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Analyte Symbol	Yb	Lu	Hf	Ta	W	Tl	Pb	Th	U	Nb2O5	Ta2O5	ZrO2
Unit Symbol	ppm	%	%	%	%							
Detection Limit	0.1	0.04	0.2	0.1	1	0.1	5	0.1	0.1	0.003	0.003	0.003
Analysis Method	FUS-MS	FUS-XRF	FUS-XRF	FUS-XRF								
A544001	2.4	0.35	4.6	2.0	4	0.3	13	47.2	2.3	0.022	< 0.003	0.025
A544002	2.5	0.35	2.6	2.3	5	0.2	11	26.7	2.4	0.012	< 0.003	0.015
A544003	1.7	0.27	6.2	3.0	9	0.3	6	16.1	1.8	0.017	< 0.003	0.032
A544004	0.6	0.10	8.6	0.4	< 1	0.3	10	12.0	1.7	0.011	< 0.003	0.036
A544005	1.8	0.31	7.2	1.5	2	0.3	16	21.5	2.2	0.012	< 0.003	0.036
A544006	2.7	0.44	5.1	2.7	2	0.5	9	29.5	2.0	0.013	< 0.003	0.029
A544007	2.2	0.33	7.4	1.4	3	0.3	16	22.9	1.2	0.022	< 0.003	0.034
A544008	1.8	0.26	8.7	< 0.1	< 1	0.2	25	37.2	1.1	0.026	< 0.003	0.035
A544009	0.7	0.14	3.1	0.5	5	0.1	35	55.7	1.6	0.027	< 0.003	0.022
A544010	1.7	0.27	8.2	0.4	< 1	< 0.1	35	33.1	1.4	0.022	0.003	0.029
A544011	0.5	0.09	7.1	0.2	< 1	< 0.1	13	3.2	3.2	0.022	< 0.003	0.030
A544012	2.6	0.35	6.6	0.5	< 1	0.2	55	13.4	0.7	0.067	< 0.003	0.029
A544013	0.8	0.12	9.2	< 0.1	< 1	< 0.1	20	6.9	0.9	0.031	< 0.003	0.045
A544014	1.1	0.17	7.4	1.3	< 1	0.1	132	22.6	16.5	0.234	0.003	0.047
A544015	1.5	0.20	3.5	1.6	< 1	0.2	69	10.2	5.5	0.180	< 0.003	0.022
A544016	1.0	0.15	3.9	2.4	1	0.2	37	7.0	3.7	0.197	< 0.003	0.022
A544017	2.3	0.32	2.9	0.5	< 1	0.2	57	8.3	0.6	0.056	< 0.003	0.017
A544018	0.6	0.10	2.2	0.8	< 1	0.3	19	8.0	0.8	0.019	< 0.003	0.012
A544019	0.8	0.12	2.1	1.2	< 1	0.2	21	11.1	6.4	0.046	0.003	0.018
A544020	1.5	0.25	1.7	0.7	< 1	0.2	30	16.5	1.4	0.026	< 0.003	0.016
A544021	0.6	0.09	4.0	1.4	< 1	0.2	13	6.6	1.6	0.038	< 0.003	0.025
A544022	1.0	0.14	4.1	1.6	< 1	< 0.1	18	8.8	2.2	0.054	< 0.003	0.023
A544023	0.8	0.11	6.7	0.5	< 1	< 0.1	10	13.3	0.7	0.036	< 0.003	0.034
A544024	1.3	0.21	4.4	2.0	< 1	< 0.1	24	31.2	5.9	0.150	< 0.003	0.046
A544025	0.6	0.09	7.6	0.4	< 1	0.1	7	8.9	0.8	0.025	< 0.003	0.035
A544026	0.6	0.09	6.6	0.3	< 1	0.1	< 5	7.3	1.1	0.020	< 0.003	0.030
A544027	1.9	0.26	1.8	0.2	< 1	< 0.1	31	5.1	1.8	0.012	< 0.003	0.024
A544028	0.6	0.10	6.4	0.3	6	0.1	6	8.6	1.8	0.013	< 0.003	0.031
A544029	1.2	0.19	7.9	0.3	< 1	0.1	11	11.3	1.3	0.007	< 0.003	0.038
A544030	0.7	0.11	8.2	0.4	< 1	0.2	8	7.9	1.0	0.011	< 0.003	0.035
A544031	1.0	0.16	9.6	0.2	< 1	< 0.1	13	25.2	2.3	0.017	< 0.003	0.039
A544032	0.9	0.16	7.6	0.4	< 1	< 0.1	10	11.5	1.0	0.009	< 0.003	0.038
A544033	0.9	0.14	7.8	0.7	< 1	< 0.1	11	9.8	2.2	0.018	< 0.003	0.038
A544034	1.7	0.25	9.3	1.7	< 1	< 0.1	27	12.7	1.1	0.073	< 0.003	0.041
A544035	1.7	0.23	6.5	2.0	< 1	< 0.1	32	13.1	2.3	0.079	< 0.003	0.027
A544036	1.9	0.27	5.3	0.3	< 1	< 0.1	35	9.4	0.7	0.018	< 0.003	0.025
A544037	0.6	0.08	6.2	0.4	< 1	0.1	11	8.1	1.2	0.014	< 0.003	0.026
A544038	2.0	0.27	3.4	8.1	< 1	0.3	35	20.8	12.2	0.137	< 0.003	0.028
A544039	2.2	0.31	4.8	22.9	< 1	0.1	38	24.4	50.0	0.082	0.005	0.035
A544040	2.7	0.37	3.1	22.0	< 1	< 0.1	27	48.8	47.7	0.068	0.004	0.025
A544041	2.4	0.29	3.1	8.0	< 1	< 0.1	18	44.2	49.7	0.142	0.007	0.031
A544042	2.9	0.39	3.7	18.2	< 1	0.1	21	12.1	37.8	0.083	0.005	0.029
A544043	3.3	0.48	3.8	23.8	< 1	< 0.1	27	11.0	83.9	0.089	0.010	0.029
A544044	2.6	0.36	4.3	29.6	< 1	0.2	21	8.1	54.4	0.077	0.005	0.032
A544045	1.7	0.26	3.0	24.1	< 1	0.2	15	4.2	21.4	0.090	0.004	0.025
A544046	1.6	0.22	4.8	22.9	< 1	0.2	14	4.9	18.5	0.080	0.003	0.019
A544047	2.1	0.29	5.8	41.5	< 1	0.2	21	15.6	55.2	0.082	0.006	0.040
A544048	1.7	0.27	5.5	30.1	< 1	0.1	24	18.1	33.2	0.094	0.003	0.032
A544049	0.6	0.10	1.8	0.1	< 1	< 0.1	< 5	2.5	0.7	< 0.003	< 0.003	0.008
A544050	0.6	0.11	0.5	0.3	< 1	0.2	7	6.8	1.4	< 0.003	< 0.003	< 0.003
A544051	2.7	0.38	6.6	5.7	< 1	< 0.1	18	19.6	19.7	0.082	0.005	0.049
A544052	2.6	0.36	6.0	11.9	< 1	< 0.1	30	24.5	69.0	0.079	0.007	0.051

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Analyte Symbol	Yb	Lu	Hf	Ta	W	Tl	Pb	Th	U	Nb2O5	Ta2O5	ZrO2
Unit Symbol	ppm	%	%	%	%							
Detection Limit	0.1	0.04	0.2	0.1	1	0.1	5	0.1	0.1	0.003	0.003	0.003
Analysis Method	FUS-MS	FUS-XRF	FUS-XRF	FUS-XRF								
A544053	2.7	0.36	4.7	24.5	< 1	< 0.1	41	20.9	59.0	0.087	0.007	0.042
A544054	2.0	0.30	5.1	3.6	< 1	0.2	41	21.0	7.3	0.092	0.005	0.037
A544055	2.6	0.36	2.5	12.7	< 1	0.1	40	16.0	41.0	0.116	0.004	0.023
A544056	2.2	0.38	3.3	1.2	< 1	0.4	29	12.3	3.9	0.004	< 0.003	0.016
A544057	1.8	0.27	12.1	30.2	< 1	< 0.1	47	35.5	48.2	0.175	0.007	0.104
A544058	2.5	0.33	5.9	6.3	< 1	< 0.1	54	43.1	32.0	0.273	0.005	0.062
A544059	1.5	0.21	4.0	11.1	< 1	0.2	61	22.0	18.3	0.197	0.003	0.033
A544060	2.7	0.37	4.5	22.3	< 1	< 0.1	56	52.1	19.5	0.273	0.005	0.045
A544061	0.9	0.13	1.9	4.4	< 1	0.2	49	1.7	1.6	0.008	< 0.003	0.007
A544062	2.8	0.40	15.6	17.9	< 1	0.3	62	17.3	22.9	0.092	0.006	0.123
A544063	1.2	0.16	2.3	2.0	< 1	0.4	77	1.8	0.9	0.010	< 0.003	0.010
A544064	2.6	0.36	6.8	6.0	< 1	< 0.1	65	5.8	1.7	0.077	0.003	0.037
A544065	0.6	0.10	2.3	1.6	< 1	0.2	62	1.5	0.8	< 0.003	< 0.003	0.007
A544066	1.3	0.18	4.0	1.1	1	0.1	29	8.7	14.5	0.126	0.003	0.030
A544067	0.9	0.12	1.5	14.5	< 1	0.4	85	5.6	21.8	0.013	< 0.003	0.006
A544068	2.4	0.31	4.3	1.7	1	0.2	57	14.1	22.4	0.092	< 0.003	0.039
A544069	0.3	0.06	1.4	3.7	< 1	0.2	66	0.7	5.5	0.003	< 0.003	0.004
A544070	1.8	0.26	2.8	3.6	1	0.1	56	25.2	16.5	0.119	0.003	0.027
A544071	1.3	0.17	2.0	0.8	1	< 0.1	84	21.2	4.4	0.173	< 0.003	0.027
A544072	0.5	0.08	2.0	1.4	< 1	0.3	53	0.5	1.2	< 0.003	< 0.003	< 0.003
A544073	< 0.1	< 0.04	0.3	0.4	< 1	0.3	48	0.1	0.2	< 0.003	< 0.003	0.003
A544074	0.3	< 0.04	1.4	1.3	< 1	0.5	67	0.3	0.4	< 0.003	0.003	< 0.003
A544075	0.4	0.06	0.5	1.1	< 1	0.2	44	0.2	0.3	< 0.003	< 0.003	< 0.003
A544076	0.5	0.08	< 0.2	0.9	< 1	< 0.1	41	0.6	2.1	0.003	< 0.003	< 0.003
A544077	2.3	0.34	5.5	20.2	< 1	< 0.1	70	30.9	15.6	0.173	0.008	0.158
A544078	2.2	0.30	17.0	31.2	< 1	< 0.1	48	34.0	53.3	0.178	0.007	0.161
A544079	2.4	0.31	10.2	13.6	< 1	< 0.1	81	47.3	9.6	0.269	0.003	0.090
A544080	1.8	0.25	9.7	2.3	< 1	0.1	61	32.3	9.8	0.111	< 0.003	0.090
A544081	1.9	0.24	10.0	15.4	< 1	< 0.1	56	47.1	15.4	0.133	0.003	0.072
A544082	3.1	0.41	9.3	30.4	< 1	< 0.1	129	41.9	26.1	0.517	0.005	0.095
A544083	2.0	0.25	10.1	5.4	< 1	< 0.1	70	19.9	8.8	0.143	< 0.003	0.092
A544084	1.9	0.25	6.4	2.2	< 1	0.2	66	27.4	5.9	0.068	< 0.003	0.052
A544085	2.0	0.23	3.3	4.0	< 1	0.3	63	19.9	16.4	0.101	0.004	0.031
A544086	0.3	< 0.04	1.0	1.1	< 1	0.2	37	0.5	0.6	< 0.003	< 0.003	< 0.003
A544087	0.3	0.05	0.6	0.5	< 1	0.2	28	0.4	0.2	< 0.003	< 0.003	< 0.003
A544088	0.2	< 0.04	0.6	0.3	< 1	0.3	41	0.2	0.3	< 0.003	< 0.003	< 0.003
A544089	0.2	< 0.04	1.2	0.5	< 1	0.4	64	< 0.1	0.3	< 0.003	< 0.003	0.004
A544090	2.9	0.43	7.6	25.4	1	0.7	33	13.6	30.1	0.045	< 0.003	0.048
A544091	0.4	0.06	1.1	0.5	< 1	0.4	44	0.3	0.3	< 0.003	< 0.003	0.003
A544092	0.1	< 0.04	0.6	0.4	< 1	0.5	59	0.1	0.2	< 0.003	< 0.003	< 0.003
A544093	0.2	< 0.04	1.7	0.9	< 1	0.4	54	0.3	0.4	< 0.003	< 0.003	0.003
A544094	2.7	0.39	5.5	27.7	1	0.5	45	16.7	30.6	0.124	0.004	0.039
A544095	2.4	0.34	8.6	16.4	< 1	0.5	31	21.5	11.9	0.085	0.004	0.062
A544096	3.0	0.43	5.0	35.1	2	0.4	42	23.7	56.1	0.116	0.004	0.037
A544097	0.3	0.04	1.1	1.1	< 1	0.3	45	2.4	1.0	0.003	< 0.003	0.004
A544098	0.2	< 0.04	0.6	0.9	< 1	0.3	43	0.7	0.4	< 0.003	< 0.003	< 0.003
A544099	0.7	0.11	2.0	0.2	< 1	< 0.1	< 5	2.7	0.8	< 0.003	< 0.003	0.010
A544100	0.8	0.12	0.6	0.4	< 1	0.2	7	5.0	0.8	< 0.003	< 0.003	0.003
A544101	0.1	< 0.04	0.7	< 0.1	< 1	0.3	53	0.5	0.2	< 0.003	< 0.003	< 0.003
A544102	0.1	< 0.04	0.8	< 0.1	< 1	0.2	50	< 0.1	< 0.1	< 0.003	< 0.003	< 0.003
A544103	0.3	0.06	1.8	0.9	< 1	0.4	57	5.5	0.6	< 0.003	< 0.003	< 0.003
A544104	0.5	0.07	1.6	1.4	< 1	0.3	49	1.1	0.8	< 0.003	< 0.003	0.006

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Analyte Symbol	Yb	Lu	Hf	Ta	W	Tl	Pb	Th	U	Nb2O5	Ta2O5	ZrO2
Unit Symbol	ppm	%	%	%	%							
Detection Limit	0.1	0.04	0.2	0.1	1	0.1	5	0.1	0.1	0.003	0.003	0.003
Analysis Method	FUS-MS	FUS-XRF	FUS-XRF	FUS-XRF								
A544105	0.4	0.07	1.4	1.4	< 1	0.3	52	1.0	0.7	0.003	< 0.003	0.005
A544106	0.4	0.07	1.7	1.5	< 1	0.4	56	1.3	0.6	< 0.003	< 0.003	0.005
A544107	0.4	0.07	1.2	1.5	< 1	0.3	56	2.0	1.9	0.005	< 0.003	0.004
A544108	2.8	0.38	4.2	50.0	< 1	0.4	40	37.0	68.2	0.131	0.008	0.030
A544109	2.2	0.29	4.3	24.9	< 1	0.4	40	25.6	28.4	0.129	0.005	0.034
A544110	2.3	0.29	3.7	19.6	< 1	0.1	72	17.0	39.4	0.129	0.005	0.037
A544111	1.8	0.21	2.5	11.1	< 1	< 0.1	52	33.8	13.9	0.175	< 0.003	0.024
A544112	1.5	0.23	4.7	8.0	< 1	< 0.1	46	23.7	9.8	0.114	< 0.003	0.039
A544113	1.9	0.25	2.1	8.6	1	0.1	22	22.3	21.8	0.172	0.005	0.023
A544114	2.0	0.28	3.4	12.3	1	0.3	24	15.5	16.1	0.123	0.003	0.028
A544115	1.7	0.23	3.0	9.3	< 1	0.3	24	29.3	14.1	0.135	0.003	0.029
A544116	2.2	0.29	3.6	18.0	< 1	0.1	25	33.8	17.4	0.217	0.004	0.036
A544117	2.0	0.25	4.0	20.2	< 1	< 0.1	17	27.4	26.5	0.184	< 0.003	0.036
A544118	2.0	0.29	3.1	5.3	< 1	0.3	15	21.2	5.0	0.109	< 0.003	0.021
A544119	2.4	0.38	6.6	5.6	1	0.2	19	13.0	6.3	0.068	< 0.003	0.037
A544120	2.9	0.43	5.8	8.1	< 1	0.4	28	28.4	7.6	0.086	< 0.003	0.044
A544121	1.6	0.20	3.5	5.3	< 1	< 0.1	23	24.8	5.1	0.105	< 0.003	0.031
A544122	1.6	0.20	2.3	1.8	< 1	0.1	8	18.5	2.1	0.161	< 0.003	0.024
A544123	1.5	0.23	3.0	14.3	< 1	0.2	18	11.8	12.8	0.041	< 0.003	0.019
A544124	2.2	0.32	6.6	19.2	< 1	0.2	18	13.7	12.7	0.052	< 0.003	0.047
A544125	2.6	0.39	4.7	3.4	< 1	0.2	14	14.0	1.6	0.045	< 0.003	0.028
A544126	2.3	0.33	4.3	3.4	< 1	0.3	16	18.5	2.4	0.044	< 0.003	0.027
A544127	2.8	0.41	5.4	8.8	< 1	0.4	23	29.9	4.0	0.049	< 0.003	0.031
A544128	1.4	0.18	3.4	1.2	< 1	< 0.1	32	5.6	1.2	0.169	< 0.003	0.021
A544129	1.3	0.18	4.8	0.8	< 1	< 0.1	23	9.9	0.7	0.157	< 0.003	0.027
A544130	1.1	0.15	1.3	< 0.1	< 1	< 0.1	24	53.5	1.2	0.053	< 0.003	0.014
A544131	2.4	0.31	4.7	18.1	< 1	< 0.1	30	51.7	31.5	0.165	0.005	0.038
A544132	2.5	0.34	3.5	43.9	< 1	< 0.1	25	19.6	69.3	0.108	0.007	0.032
A544133	3.0	0.43	2.9	52.9	< 1	< 0.1	31	36.5	122	0.104	0.010	0.029
A544134	2.4	0.34	3.7	20.0	< 1	< 0.1	20	18.6	33.1	0.090	0.006	0.036
A544135	2.5	0.35	3.7	48.5	< 1	< 0.1	20	63.4	68.6	0.077	0.007	0.026
A544136	2.4	0.31	5.3	16.4	< 1	< 0.1	20	34.4	21.2	0.081	0.004	0.036
A544137	2.8	0.41	4.5	26.9	< 1	0.1	20	17.9	18.8	0.043	< 0.003	0.031
A544138	2.5	0.33	5.8	14.3	< 1	< 0.1	19	20.8	17.0	0.196	0.005	0.055
A544139	2.4	0.32	4.2	34.2	< 1	< 0.1	24	18.1	42.5	0.162	0.007	0.040
A544140	2.7	0.35	2.7	15.1	< 1	< 0.1	20	20.9	17.3	0.048	0.004	0.028
A544141	0.6	0.10	1.5	1.3	< 1	0.3	61	1.0	0.7	< 0.003	< 0.003	0.005
A544142	2.0	0.27	4.4	27.8	< 1	< 0.1	17	38.8	32.7	0.107	0.005	0.038
A544143	2.5	0.35	6.8	30.7	< 1	< 0.1	27	18.7	37.2	0.072	0.005	0.048
A544144	3.1	0.42	5.3	37.7	< 1	< 0.1	37	39.9	75.5	0.120	0.009	0.053
A544145	0.5	0.08	2.3	2.1	< 1	0.2	45	3.0	0.8	< 0.003	< 0.003	0.006
A544146	0.4	0.06	1.4	1.7	< 1	0.2	54	0.9	0.8	< 0.003	< 0.003	0.006
A544147	2.9	0.39	2.7	17.2	< 1	< 0.1	28	35.4	43.8	0.083	0.005	0.025
A544148	1.8	0.26	4.2	21.8	< 1	< 0.1	16	11.8	16.7	0.050	< 0.003	0.026
A544149	0.6	0.10	2.2	< 0.1	< 1	< 0.1	< 5	3.3	0.8	< 0.003	< 0.003	0.013
A544150	0.7	0.11	0.7	< 0.1	< 1	< 0.1	7	5.7	0.7	< 0.003	< 0.003	0.003
A544151	2.4	0.35	9.5	25.9	< 1	< 0.1	20	25.1	47.9	0.144	0.008	0.061
A544152	2.7	0.35	3.0	17.1	< 1	< 0.1	25	21.1	28.4	0.069	0.003	0.031
A544153	2.5	0.35	6.6	57.5	< 1	< 0.1	28	47.3	88.0	0.138	0.010	0.052
A544154	2.6	0.38	3.9	17.6	< 1	< 0.1	47	25.9	25.7	0.183	0.003	0.034
A544155	2.3	0.30	8.4	96.5	< 1	< 0.1	67	43.1	217	0.371	0.012	0.085
A544156	2.1	0.32	2.7	2.0	< 1	0.1	19	21.3	2.6	0.022	< 0.003	0.016

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Analyte Symbol	Yb	Lu	Hf	Ta	W	Tl	Pb	Th	U	Nb2O5	Ta2O5	ZrO2
Unit Symbol	ppm	%	%	%	%							
Detection Limit	0.1	0.04	0.2	0.1	1	0.1	5	0.1	0.1	0.003	0.003	0.003
Analysis Method	FUS-MS	FUS-XRF	FUS-XRF	FUS-XRF								
A544157	2.7	0.38	4.6	3.0	< 1	0.4	21	40.6	2.6	0.018	< 0.003	0.024
A544158	3.0	0.38	3.9	10.1	< 1	< 0.1	40	42.0	16.4	0.148	0.004	0.036
A544159	2.5	0.34	4.8	30.5	< 1	< 0.1	45	58.9	39.9	0.298	0.007	0.050
A544160	1.8	0.23	9.4	25.9	< 1	< 0.1	45	27.7	14.5	0.142	0.004	0.060
A544161	1.6	0.22	5.2	16.0	< 1	0.1	39	41.4	24.6	0.194	0.004	0.038
A544162	1.8	0.25	3.9	5.7	< 1	0.1	44	18.5	7.0	0.142	< 0.003	0.029
A544163	2.2	0.30	4.7	19.3	< 1	0.1	49	38.9	10.4	0.157	< 0.003	0.032
A544164	2.8	0.38	3.9	29.4	< 1	< 0.1	41	63.0	37.1	0.323	0.005	0.040
A544165	3.0	0.39	8.8	39.1	< 1	< 0.1	47	103	21.7	1.095	0.005	0.108
A544166	2.7	0.37	15.5	40.6	< 1	0.1	45	127	23.1	1.357	0.006	0.172
A544167	2.3	0.32	5.0	5.5	< 1	< 0.1	42	14.7	7.1	0.107	0.003	0.032
A544168	0.7	0.11	1.8	8.7	< 1	0.3	50	10.1	2.2	0.052	< 0.003	0.007
A544169	2.6	0.33	3.9	7.4	< 1	< 0.1	36	28.2	13.6	0.128	0.003	0.041
A544170	1.8	0.22	5.4	12.2	< 1	0.1	39	22.9	22.7	0.178	0.005	0.051
A544171	1.7	0.23	4.7	11.0	< 1	< 0.1	42	22.6	18.4	0.138	< 0.003	0.038
A544172	2.1	0.26	5.2	8.0	< 1	< 0.1	41	22.4	21.4	0.152	0.004	0.043
A544173	0.4	0.07	1.7	1.4	< 1	0.4	54	1.4	0.9	0.004	< 0.003	0.008
A544174	1.8	0.24	4.5	9.0	< 1	0.3	33	15.1	14.4	0.111	< 0.003	0.035
A544175	1.6	0.23	5.0	21.4	< 1	0.2	65	25.0	29.7	0.110	0.005	0.033
A544176	1.9	0.29	10.9	12.3	< 1	0.2	53	32.9	11.0	0.139	< 0.003	0.074
A544177	1.9	0.27	6.8	8.8	< 1	0.2	58	37.9	12.6	0.165	< 0.003	0.055
A544178	1.3	0.17	2.0	4.7	< 1	< 0.1	59	27.9	20.3	0.103	0.004	0.018
A544179	2.6	0.33	5.6	3.5	< 1	0.3	21	14.8	3.4	0.072	< 0.003	0.045
A544180	2.3	0.31	3.6	10.8	< 1	0.2	30	34.8	41.8	0.118	0.006	0.026
A544181	3.1	0.41	4.9	56.1	< 1	< 0.1	43	77.9	90.1	0.192	0.013	0.042
A544182	2.3	0.33	5.9	15.5	< 1	0.2	21	49.3	31.1	0.120	0.006	0.043
A544183	1.7	0.24	6.6	9.9	< 1	0.2	19	15.0	5.5	0.069	< 0.003	0.045
A544184	2.3	0.29	1.9	5.0	< 1	0.1	24	26.6	26.4	0.131	0.004	0.024
A544185	1.6	0.23	2.3	7.3	< 1	< 0.1	23	35.6	14.7	0.212	< 0.003	0.023
A544186	1.9	0.22	1.9	6.1	< 1	< 0.1	20	35.6	11.7	0.240	0.004	0.027
A544187	1.5	0.22	3.3	9.4	< 1	0.2	22	14.8	14.4	0.099	0.003	0.027
A544188	1.5	0.20	2.4	15.1	< 1	< 0.1	18	41.8	28.6	0.229	0.003	0.032
A544189	2.4	0.31	4.2	45.5	< 1	< 0.1	35	78.9	87.4	0.209	0.015	0.041
A544190	1.3	0.17	1.5	7.4	< 1	< 0.1	8	30.7	9.2	0.289	0.004	0.023
A544191	2.1	0.32	2.1	19.5	< 1	< 0.1	19	15.4	45.4	0.148	0.006	0.023
A544192	2.2	0.33	3.4	23.2	< 1	0.2	21	12.8	9.1	0.055	0.003	0.024
A544193	2.6	0.39	3.2	10.9	< 1	0.2	16	13.5	6.2	0.037	< 0.003	0.016
A544194	2.3	0.31	3.1	8.7	< 1	0.2	12	11.6	2.1	0.071	0.003	0.019
A544195	2.1	0.32	4.2	25.8	< 1	0.2	17	17.5	11.8	0.050	0.005	0.025
A544196	3.1	0.50	4.7	6.0	< 1	0.3	20	29.7	2.1	0.048	< 0.003	0.028
A544197	0.4	0.06	1.7	1.2	5	0.2	45	0.3	0.5	< 0.003	< 0.003	0.003
A544198	0.3	< 0.04	1.2	0.7	< 1	0.3	49	1.0	0.5	< 0.003	< 0.003	0.004
A544199	0.6	0.10	1.8	0.1	< 1	< 0.1	< 5	2.8	0.6	< 0.003	< 0.003	0.011
A544200	0.7	0.12	0.6	0.3	< 1	0.1	7	5.2	1.0	< 0.003	< 0.003	< 0.003
A544201												
A544202	2.6	0.42	6.5	1.3	< 1	0.3	15	30.1	2.7	0.013	< 0.003	0.035
A544203	2.2	0.34	4.6	1.2	< 1	0.4	17	33.8	2.5	0.013	< 0.003	0.025
A544204	2.5	0.38	5.7	1.2	< 1	0.4	30	40.4	2.6	0.016	< 0.003	0.032
A544205	2.6	0.41	4.7	1.8	4	0.3	26	55.3	3.7	0.019	0.003	0.027
A544206	1.7	0.31	5.3	1.5	1	0.3	20	50.4	3.1	0.016	< 0.003	0.027
A544207	2.3	0.39	4.7	1.8	< 1	0.4	28	34.4	2.6	0.019	< 0.003	0.025
A544208	1.1	0.21	4.3	1.6	< 1	0.4	34	20.4	1.8	0.018	< 0.003	0.024

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Analyte Symbol	Yb	Lu	Hf	Ta	W	Tl	Pb	Th	U	Nb2O5	Ta2O5	ZrO2
Unit Symbol	ppm	%	%	%	%							
Detection Limit	0.1	0.04	0.2	0.1	1	0.1	5	0.1	0.1	0.003	0.003	0.003
Analysis Method	FUS-MS	FUS-XRF	FUS-XRF	FUS-XRF								
A544209	2.5	0.38	4.9	1.6	< 1	0.5	39	29.8	2.5	0.016	< 0.003	0.026
A544210	2.2	0.36	4.8	1.3	< 1	0.4	29	26.8	2.9	0.020	< 0.003	0.026
A544211	2.2	0.35	4.4	1.6	< 1	0.4	15	21.5	2.5	0.017	< 0.003	0.026
A544212	1.2	0.21	7.7	0.8	< 1	0.2	19	17.0	2.1	0.016	< 0.003	0.035
A544213	1.2	0.18	7.7	0.9	< 1	0.1	38	23.0	3.3	0.020	< 0.003	0.041
A544214	1.1	0.16	7.7	0.7	< 1	0.1	30	14.0	1.2	0.029	< 0.003	0.036
A544215	2.8	0.39	4.3	6.1	< 1	< 0.1	22	21.1	32.8	0.063	0.004	0.032
A544216	2.6	0.38	5.9	19.1	< 1	0.1	29	12.0	26.8	0.059	0.004	0.034
A544217	2.0	0.29	5.1	15.7	< 1	0.2	19	10.2	6.1	0.071	< 0.003	0.029
A544218	3.1	0.44	3.2	6.3	< 1	< 0.1	24	13.7	6.6	0.044	< 0.003	0.024
A544219	2.5	0.35	5.3	23.6	< 1	< 0.1	25	15.8	29.7	0.094	0.003	0.039
A544220	3.3	0.45	4.4	9.1	< 1	< 0.1	32	19.7	43.8	0.077	0.004	0.036
A544221	2.7	0.39	5.6	4.2	< 1	< 0.1	23	22.8	26.2	0.079	0.003	0.042
A544222	3.6	0.59	6.1	1.5	2	0.5	11	13.7	2.7	0.003	< 0.003	0.035
A544223	4.4	0.73	6.8	1.3	3	0.7	11	23.2	3.6	0.003	< 0.003	0.036
A544224	5.0	0.80	7.1	1.5	3	0.7	17	25.7	3.7	0.004	< 0.003	0.038
A544225	0.9	0.15	2.5	0.6	< 1	0.5	67	2.3	0.7	< 0.003	< 0.003	0.009
A544226	0.6	0.09	0.7	0.5	< 1	0.4	68	0.3	0.4	< 0.003	< 0.003	0.003
A544227	0.3	0.05	1.5	0.5	< 1	0.4	70	1.1	0.5	< 0.003	< 0.003	0.004
A544228	3.6	0.57	6.4	1.2	1	0.6	29	18.4	2.6	0.009	0.004	0.032
A544229	1.5	0.20	3.4	3.2	< 1	0.2	39	16.4	16.8	0.124	< 0.003	0.024
A544230	1.5	0.20	2.8	5.1	1	0.1	36	22.4	33.6	0.263	0.005	0.028
A544231	1.0	0.15	1.6	6.1	< 1	< 0.1	27	18.0	10.0	0.148	< 0.003	0.014
A544232	2.5	0.33	3.5	8.2	< 1	< 0.1	174	34.7	8.3	0.060	0.003	0.031
A544233	2.1	0.30	4.9	8.3	2	0.4	70	49.3	2.7	0.069	< 0.003	0.034
A544234	1.9	0.25	4.5	17.8	2	0.4	39	22.9	12.3	0.090	0.004	0.026
A544235	0.6	0.11	1.4	1.8	< 1	0.3	54	0.3	0.6	< 0.003	< 0.003	0.005
A544236	0.4	0.07	1.5	1.7	< 1	0.3	62	0.6	1.2	< 0.003	< 0.003	0.006
A544237	2.3	0.32	6.3	9.3	2	0.4	48	15.4	3.5	0.109	< 0.003	0.040
A544238	1.1	0.19	0.7	1.1	< 1	0.2	72	0.9	0.2	< 0.003	< 0.003	0.003
A544239	2.0	0.29	4.9	4.5	< 1	0.5	43	11.4	2.4	0.051	< 0.003	0.031
A544240	2.1	0.30	6.0	4.5	< 1	0.4	40	9.5	1.7	0.039	< 0.003	0.035
A544241	2.0	0.31	5.3	4.4	< 1	0.4	37	14.7	1.6	0.037	< 0.003	0.034
A544242	1.7	0.29	2.7	13.8	< 1	0.6	63	12.9	10.3	0.047	< 0.003	0.017
A544243	1.3	0.19	0.6	40.4	< 1	< 0.1	83	9.7	81.5	0.062	0.009	0.013
A544244	0.5	0.07	1.9	3.6	< 1	0.3	58	0.9	4.1	< 0.003	< 0.003	0.006
A544245	1.7	0.24	3.3	49.1	< 1	0.4	113	7.7	66.3	0.046	0.006	0.023
A544246	3.0	0.40	4.4	6.0	< 1	< 0.1	190	26.7	11.3	0.044	0.003	0.032
A544247	2.1	0.31	5.5	14.5	< 1	0.3	113	15.6	7.7	0.084	< 0.003	0.032
A544248	2.1	0.30	4.1	11.1	< 1	0.3	90	26.3	12.8	0.057	< 0.003	0.026
A544249	0.6	0.10	2.2	0.1	2	< 0.1	< 5	3.0	0.8	< 0.003	< 0.003	0.013
A544250	0.7	0.13	0.6	0.5	< 1	0.2	9	6.9	1.0	< 0.003	< 0.003	0.004
A544251	2.8	0.40	3.6	27.9	< 1	0.3	82	28.7	41.9	0.091	0.004	0.029
A544252	2.5	0.36	4.2	37.1	1	0.3	56	10.4	46.2	0.068	0.004	0.031
A544253	2.5	0.36	6.4	8.7	< 1	0.3	26	28.1	6.8	0.025	< 0.003	0.037
A544254	2.8	0.37	6.9	17.3	< 1	< 0.1	42	27.7	62.2	0.071	0.006	0.047
A544255	3.0	0.40	4.0	27.4	< 1	0.2	67	11.4	124	0.054	0.011	0.030
A544256	2.6	0.34	4.0	29.0	< 1	< 0.1	53	28.8	64.9	0.089	0.006	0.034
A544257	2.8	0.38	2.4	6.2	< 1	< 0.1	60	17.2	54.1	0.054	0.006	0.025
A544258	2.6	0.33	4.8	1.7	< 1	< 0.1	44	14.3	7.7	0.060	< 0.003	0.035
A544259	2.5	0.33	3.1	3.4	< 1	< 0.1	38	44.2	2.4	0.092	< 0.003	0.026
A544260	2.0	0.28	2.9	4.3	< 1	< 0.1	41	13.1	2.7	0.115	0.003	0.027

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Analyte Symbol	Yb	Lu	Hf	Ta	W	Tl	Pb	Th	U	Nb2O5	Ta2O5	ZrO2
Unit Symbol	ppm	%	%	%	%							
Detection Limit	0.1	0.04	0.2	0.1	1	0.1	5	0.1	0.1	0.003	0.003	0.003
Analysis Method	FUS-MS	FUS-XRF	FUS-XRF	FUS-XRF								
A544261	1.8	0.25	2.3	4.3	< 1	0.4	49	42.0	5.6	0.114	< 0.003	0.029
A544262	2.7	0.39	6.1	12.3	< 1	0.4	40	24.8	5.8	0.052	< 0.003	0.039
A544263	2.4	0.35	7.4	35.2	2	0.5	45	39.2	26.5	0.069	0.003	0.047
A544264	2.4	0.38	5.2	7.2	< 1	0.6	79	38.0	4.3	0.045	< 0.003	0.029
A544265	2.5	0.40	5.7	5.4	< 1	0.5	49	27.0	4.1	0.036	< 0.003	0.035
A544266	2.4	0.33	4.1	22.0	< 1	0.4	55	35.7	12.4	0.108	< 0.003	0.034
A544267	2.3	0.29	4.4	8.8	2	0.4	55	34.3	4.8	0.106	< 0.003	0.031
A544268	2.2	0.32	4.2	16.3	< 1	0.3	41	51.0	14.5	0.084	0.003	0.032
A544269	2.0	0.29	7.5	15.8	< 1	0.3	35	28.0	14.4	0.114	< 0.003	0.050
A544270	1.8	0.27	5.2	22.1	< 1	0.3	25	18.2	20.8	0.094	0.003	0.034
A544271	2.3	0.32	5.5	4.4	< 1	0.5	22	12.1	3.7	0.047	< 0.003	0.032
A544272	1.1	0.20	0.6	1.0	< 1	0.5	42	2.2	0.4	0.004	< 0.003	< 0.003
A544273	1.9	0.27	7.3	10.5	< 1	0.3	16	18.3	5.5	0.080	< 0.003	0.045
A544274	1.7	0.24	2.9	5.1	< 1	0.3	18	27.6	2.2	0.113	< 0.003	0.031
A544275	2.4	0.33	5.4	17.5	< 1	0.3	45	26.0	27.1	0.088	0.004	0.040
A544276	1.8	0.26	5.9	26.5	< 1	0.3	28	28.6	9.3	0.123	0.003	0.035
A544277	1.8	0.29	7.4	3.4	< 1	0.2	25	24.1	3.1	0.033	< 0.003	0.041
A544278	1.7	0.25	4.3	10.7	< 1	0.3	28	28.2	9.3	0.098	< 0.003	0.029
A544279	1.4	0.20	3.9	4.6	< 1	0.3	15	25.8	3.3	0.106	< 0.003	0.035
A544280	1.4	0.19	1.8	9.9	< 1	< 0.1	15	22.2	8.7	0.166	< 0.003	0.020
A544281	1.1	0.16	2.3	3.6	< 1	0.2	9	19.3	1.7	0.122	< 0.003	0.017
A544282	1.7	0.26	3.8	9.4	< 1	0.2	11	9.0	3.5	0.076	< 0.003	0.026
A544283	1.9	0.29	4.4	32.8	< 1	0.2	13	10.2	23.3	0.059	0.005	0.026
A544284	2.0	0.29	4.3	6.6	< 1	0.3	12	15.0	1.8	0.108	< 0.003	0.028
A544285	2.1	0.33	4.3	8.8	< 1	0.3	13	16.2	4.7	0.047	< 0.003	0.030
A544286	2.3	0.34	3.5	1.9	< 1	0.2	15	14.3	1.2	0.035	< 0.003	0.020
A544287	2.1	0.31	5.0	1.6	1	0.4	26	19.2	1.5	0.029	< 0.003	0.027
A544288	2.8	0.40	4.5	6.9	1	0.3	19	23.0	6.2	0.121	< 0.003	0.029
A544289	2.9	0.42	5.4	5.3	1	0.4	24	23.1	5.2	0.111	< 0.003	0.031
A544290	2.5	0.39	9.0	1.4	< 1	0.3	24	35.3	1.8	0.015	< 0.003	0.050
A544291	2.0	0.34	6.2	1.1	< 1	0.4	19	20.2	1.4	0.013	< 0.003	0.032
A544292	2.6	0.41	5.6	1.7	< 1	0.4	22	23.4	3.2	0.023	< 0.003	0.032
A544293	3.2	0.49	5.5	1.3	< 1	0.4	28	24.4	3.1	0.018	< 0.003	0.029
A544294	2.5	0.38	4.9	1.2	< 1	0.5	32	17.8	2.8	0.007	< 0.003	0.027
A544295	2.5	0.39	5.1	1.6	1	0.4	24	25.9	3.4	0.006	< 0.003	0.034
A544296	4.0	0.58	7.5	4.0	3	0.6	24	32.0	4.0	0.010	< 0.003	0.039
A544297	2.8	0.44	6.3	3.4	2	0.5	23	23.6	3.9	0.012	< 0.003	0.037
A544298	2.9	0.43	6.3	2.6	3	0.6	11	21.2	4.5	0.007	< 0.003	0.032
A544299	0.7	0.10	2.6	0.2	2	< 0.1	< 5	3.1	0.8	< 0.003	< 0.003	0.013
A544300	0.7	0.12	0.6	0.4	< 1	0.1	7	5.3	0.9	< 0.003	< 0.003	0.003
A544301	2.6	0.41	5.6	2.3	3	0.5	18	18.4	4.2	0.004	< 0.003	0.029
A544302	2.5	0.39	6.6	1.8	4	0.5	8	19.3	3.3	0.003	< 0.003	0.034
A544303	3.1	0.51	6.7	1.5	3	0.5	11	18.7	3.5	< 0.003	< 0.003	0.036
A544304	3.7	0.60	6.7	2.2	3	0.6	9	21.3	3.8	0.004	< 0.003	0.034
A544305	3.7	0.57	6.7	1.7	2	0.6	8	22.0	3.8	0.004	< 0.003	0.034
A544306	3.2	0.52	6.3	1.6	3	0.5	8	23.5	4.0	0.003	< 0.003	0.033
A544307	3.4	0.54	5.3	1.9	3	0.5	23	17.5	3.0	0.003	< 0.003	0.027
A544308	3.2	0.49	4.2	1.5	4	0.5	10	10.0	2.0	0.003	< 0.003	0.021
A544309	3.3	0.54	6.2	1.3	3	0.5	11	19.4	3.6	< 0.003	< 0.003	0.029
A544310	3.8	0.58	6.5	2.1	5	0.5	10	16.9	2.9	0.006	< 0.003	0.034
A544311	3.4	0.52	6.4	2.0	4	0.4	9	16.2	2.9	0.005	< 0.003	0.033
A544312	3.1	0.44	7.2	3.1	3	0.4	9	15.2	2.4	0.013	< 0.003	0.045

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Analyte Symbol	Yb	Lu	Hf	Ta	W	Tl	Pb	Th	U	Nb2O5	Ta2O5	ZrO2
Unit Symbol	ppm	%	%	%	%							
Detection Limit	0.1	0.04	0.2	0.1	1	0.1	5	0.1	0.1	0.003	0.003	0.003
Analysis Method	FUS-MS	FUS-XRF	FUS-XRF	FUS-XRF								
A544313	3.5	0.54	7.0	3.2	3	0.6	11	17.0	3.3	0.007	< 0.003	0.037
A544314	3.3	0.46	8.5	3.8	2	0.5	7	15.2	2.3	0.012	< 0.003	0.047
A544315	4.0	0.61	8.5	3.1	3	0.5	12	23.0	4.1	0.009	< 0.003	0.045
A544316	1.2	0.20	7.9	0.6	< 1	0.1	16	14.2	1.4	0.012	< 0.003	0.042
A544317	1.1	0.16	6.3	0.4	< 1	0.1	16	16.0	1.3	0.013	< 0.003	0.036
A544318	1.1	0.16	8.4	0.5	< 1	0.2	16	10.3	1.6	0.030	< 0.003	0.036
A544319	1.5	0.22	9.0	1.1	< 1	0.1	28	16.4	3.2	0.042	< 0.003	0.041
A544320	2.4	0.33	7.4	1.4	3	0.1	43	26.2	1.9	0.617	< 0.003	0.051
A544321	1.2	0.15	8.4	0.3	< 1	0.2	24	11.5	1.0	0.029	< 0.003	0.035
A544322	1.6	0.22	9.5	0.6	< 1	0.2	30	13.1	1.1	0.051	< 0.003	0.034
A544323	1.9	0.24	10.0	0.6	< 1	0.1	24	118	0.9	0.030	< 0.003	0.046
A544324	1.2	0.22	8.1	3.2	< 1	0.2	12	144	1.0	0.071	< 0.003	0.043
A544325	1.9	0.25	4.7	11.2	< 1	0.1	20	75.5	14.0	0.139	0.004	0.038
A544326	2.4	0.33	5.4	21.1	< 1	< 0.1	21	17.5	25.4	0.065	0.004	0.041
A544327	2.1	0.31	4.0	22.1	< 1	0.1	19	14.6	24.0	0.127	0.006	0.031
A544328	2.1	0.29	4.5	22.7	< 1	0.2	20	27.7	31.4	0.127	0.003	0.035
A544329	2.2	0.32	10.8	27.9	< 1	0.2	54	24.3	37.0	0.100	0.007	0.084
A544330	2.1	0.30	4.1	25.7	< 1	0.1	91	18.2	34.0	0.086	0.004	0.038
A544331	2.2	0.32	4.1	2.4	1	0.4	20	22.0	2.7	0.016	< 0.003	0.024
A544332	2.1	0.34	3.1	1.4	< 1	0.4	29	15.1	3.3	0.010	< 0.003	0.018
A544333	2.1	0.30	4.9	4.2	5	0.4	17	21.2	4.1	0.018	< 0.003	0.034
A544334	0.2	< 0.04	0.6	0.6	< 1	0.3	40	0.4	0.4	0.003	< 0.003	0.003
A544335	2.3	0.35	4.9	4.3	1	0.4	22	15.9	4.8	0.010	< 0.003	0.024
A544336	3.2	0.51	4.0	2.6	< 1	0.3	22	14.6	4.2	0.007	< 0.003	0.018
A544337	3.8	0.51	3.1	12.1	< 1	0.1	85	16.4	18.4	0.099	0.005	0.024
A544338	2.0	0.27	3.4	21.6	< 1	< 0.1	101	22.3	22.0	0.321	0.005	0.036
A544339	2.5	0.30	3.5	17.7	< 1	0.2	195	47.3	25.8	0.311	0.004	0.039
A544340	2.4	0.31	5.4	10.2	< 1	< 0.1	76	17.1	13.5	0.089	0.003	0.044
A544341	2.4	0.34	5.4	21.8	< 1	0.2	38	49.3	36.7	0.233	0.006	0.055
A544342	2.9	0.37	7.7	29.7	< 1	< 0.1	70	64.7	44.9	0.287	0.010	0.084
A544343	3.3	0.40	7.8	49.0	< 1	< 0.1	70	56.9	87.0	0.265	0.014	0.081
A544344	3.1	0.44	6.4	38.4	< 1	< 0.1	42	68.9	35.3	0.329	0.008	0.072
A544345	1.5	0.21	3.2	9.8	< 1	0.1	36	22.0	10.7	0.075	< 0.003	0.023
A544346	2.1	0.33	7.2	4.1	< 1	0.1	36	52.0	6.0	0.061	< 0.003	0.035
A544347	1.8	0.25	4.5	12.3	< 1	0.1	36	25.2	20.8	0.140	0.003	0.030
A544348	1.5	0.21	4.0	12.2	< 1	0.2	29	28.8	16.1	0.188	0.004	0.040
A544349	0.6	0.09	2.1	< 0.1	< 1	< 0.1	< 5	2.5	0.7	< 0.003	< 0.003	0.008
A544350	0.7	0.12	0.9	< 0.1	< 1	< 0.1	7	7.4	1.1	0.004	< 0.003	0.005
A544351	0.6	0.10	2.3	1.6	< 1	0.3	57	5.0	1.7	0.008	< 0.003	0.011
A544352	1.4	0.19	2.5	15.9	< 1	0.2	23	22.3	29.0	0.159	0.005	0.025
A544353	0.4	0.07	1.7	0.9	< 1	0.4	64	7.3	1.5	< 0.003	< 0.003	0.004
A544354	0.5	0.08	2.5	1.1	< 1	0.3	57	5.9	2.3	0.006	< 0.003	0.008
A544355	0.2	< 0.04	0.8	< 0.1	< 1	0.2	55	1.8	0.5	< 0.003	< 0.003	0.003
A544356	0.2	0.05	1.3	< 0.1	< 1	0.2	50	0.7	0.8	< 0.003	< 0.003	0.006
A544357	0.2	< 0.04	1.5	< 0.1	< 1	0.3	55	2.8	0.6	< 0.003	< 0.003	0.004
A544358	< 0.1	< 0.04	0.3	< 0.1	< 1	0.3	45	0.1	0.3	< 0.003	< 0.003	< 0.003
A544359	0.2	< 0.04	1.0	< 0.1	< 1	0.3	54	1.4	0.5	< 0.003	< 0.003	0.004
A544360	0.3	0.05	0.9	0.2	< 1	0.2	46	1.6	0.7	< 0.003	< 0.003	< 0.003
A544361	0.1	< 0.04	0.4	< 0.1	< 1	0.2	54	1.5	2.2	< 0.003	< 0.003	< 0.003
A544362	0.4	0.07	2.1	0.5	< 1	0.3	58	4.3	0.9	0.003	< 0.003	0.011
A544363	0.6	0.09	1.5	4.0	< 1	0.3	57	4.6	3.8	0.021	< 0.003	0.008
A544364	1.3	0.18	2.3	8.3	< 1	0.3	63	8.0	8.8	0.037	< 0.003	0.012

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Analyte Symbol	Yb	Lu	Hf	Ta	W	Tl	Pb	Th	U	Nb2O5	Ta2O5	ZrO2
Unit Symbol	ppm	%	%	%	%							
Detection Limit	0.1	0.04	0.2	0.1	1	0.1	5	0.1	0.1	0.003	0.003	0.003
Analysis Method	FUS-MS	FUS-XRF	FUS-XRF	FUS-XRF								
A544365	0.6	0.09	1.4	2.9	< 1	0.4	73	2.6	1.5	0.016	< 0.003	0.008
A544366	2.4	0.35	7.5	16.1	< 1	0.2	49	32.4	13.1	0.102	< 0.003	0.054
A544367	2.7	0.37	5.0	10.2	< 1	0.5	49	19.6	6.0	0.077	< 0.003	0.038
A544368	0.7	0.11	1.6	2.4	< 1	0.2	51	2.9	1.1	0.004	< 0.003	0.006
A544369	0.4	0.06	1.0	0.5	< 1	0.2	52	0.8	0.6	< 0.003	< 0.003	< 0.003
A544370	0.6	0.10	1.8	1.9	< 1	0.4	73	2.0	2.2	0.009	< 0.003	0.006
A544371	2.7	0.39	4.7	12.3	< 1	0.5	48	28.7	9.4	0.068	< 0.003	0.030
A544372	0.5	0.08	2.1	1.1	< 1	0.3	66	4.1	1.9	< 0.003	< 0.003	0.005
A544373	0.2	0.04	1.5	< 0.1	< 1	0.3	61	0.7	0.7	< 0.003	< 0.003	0.004
A544374	0.3	0.05	2.1	0.6	< 1	0.2	65	4.4	1.3	< 0.003	< 0.003	0.007
A544375	2.9	0.41	9.0	14.4	< 1	0.5	58	11.5	14.2	0.089	< 0.003	0.060
A544376	0.7	0.11	1.6	2.2	< 1	0.3	73	2.6	2.0	0.007	< 0.003	0.005
A544377	2.7	0.39	3.2	5.7	< 1	0.1	43	19.0	19.5	0.126	0.003	0.034
A544378	1.9	0.28	4.1	8.3	< 1	0.3	44	21.5	8.4	0.166	< 0.003	0.034
A544379	3.3	0.46	2.9	6.1	2	0.3	65	33.7	5.2	0.330	< 0.003	0.032
A544380	2.2	0.31	3.6	4.9	< 1	0.2	46	28.6	9.0	0.274	< 0.003	0.037
A544381	1.7	0.21	2.4	11.6	< 1	0.2	40	19.7	11.8	0.196	0.003	0.023
A544382	2.0	0.30	5.5	10.0	< 1	0.2	22	16.8	3.5	0.081	< 0.003	0.037
A544383	2.1	0.31	6.9	11.6	< 1	0.2	22	20.7	9.2	0.079	0.003	0.040
A544384	2.2	0.33	6.0	15.4	< 1	0.2	25	15.0	13.9	0.052	< 0.003	0.036
A544385	2.5	0.35	3.7	27.7	< 1	< 0.1	30	55.6	23.8	0.246	0.006	0.034
A544386	2.5	0.34	2.4	8.1	< 1	< 0.1	45	33.5	8.0	0.189	0.003	0.031
A544387	2.1	0.31	4.9	16.9	< 1	0.1	48	34.1	24.7	0.155	0.004	0.038
A544388	2.5	0.35	5.5	11.7	< 1	0.4	65	49.3	13.5	0.223	< 0.003	0.044
A544389	2.5	0.34	4.0	10.1	< 1	0.3	54	34.5	24.4	0.125	0.003	0.033
A544390	2.1	0.30	4.7	13.4	< 1	0.4	37	50.8	11.4	0.097	0.004	0.032
A544391	2.6	0.34	4.3	16.6	< 1	0.2	28	44.7	25.4	0.177	0.004	0.035
A544392	2.3	0.31	1.9	5.3	< 1	0.1	21	29.2	13.3	0.109	0.003	0.024
A544393	2.1	0.30	4.2	11.2	< 1	0.3	18	40.0	12.0	0.183	< 0.003	0.033
A544394	2.3	0.33	5.5	4.4	< 1	0.3	16	21.6	4.2	0.126	< 0.003	0.036
A544395	1.4	0.20	3.0	4.1	< 1	0.2	28	18.5	2.7	0.205	< 0.003	0.029
A544396	1.9	0.27	4.1	4.9	< 1	0.2	13	20.8	2.2	0.169	< 0.003	0.033
A544397	1.2	0.16	3.1	8.2	< 1	< 0.1	31	111	13.3	0.265	0.003	0.039
A544398	1.3	0.18	2.8	1.4	< 1	0.2	27	20.5	1.6	0.167	< 0.003	0.025
A544399	0.7	0.11	2.4	0.1	< 1	< 0.1	< 5	3.3	0.8	< 0.003	< 0.003	0.012
A544400	0.7	0.11	0.6	0.3	< 1	0.2	8	6.1	1.0	< 0.003	< 0.003	< 0.003
A544401	1.2	0.15	2.0	3.0	< 1	0.2	20	43.1	3.6	0.189	< 0.003	0.020
A544402	2.1	0.31	4.2	11.4	< 1	0.3	12	12.9	5.4	0.065	< 0.003	0.023
A544403	2.6	0.42	4.2	18.0	< 1	0.3	35	17.4	10.0	0.070	0.003	0.027
A544404	2.7	0.39	5.7	16.7	2	0.3	20	31.3	6.6	0.151	0.005	0.035
A544405	1.3	0.22	4.0	1.6	1	0.3	10	15.7	2.3	0.034	< 0.003	0.024
A544406	1.5	0.25	2.3	1.9	2	0.3	16	29.3	3.6	0.034	< 0.003	0.016
A544407	1.1	0.17	2.3	0.9	2	0.3	12	23.9	1.9	0.021	< 0.003	0.015
A544408	1.7	0.25	4.1	1.2	1	0.3	15	20.9	2.1	0.032	< 0.003	0.024
A544409	2.0	0.30	4.7	2.7	2	0.4	27	17.7	3.2	0.032	< 0.003	0.027
A544410	1.6	0.24	3.1	1.1	< 1	0.3	30	16.0	1.5	0.035	< 0.003	0.019
A544411	1.2	0.18	6.3	1.0	< 1	0.4	24	16.8	2.1	0.037	< 0.003	0.030
A544412	1.8	0.25	2.2	1.8	< 1	0.3	76	18.2	2.1	0.070	< 0.003	0.019
A544413	1.2	0.17	3.3	1.6	< 1	0.3	39	14.7	2.2	0.037	< 0.003	0.020
A544414	0.9	0.16	3.6	1.2	< 1	0.2	17	10.8	3.2	0.022	< 0.003	0.019
A544415	0.8	0.12	3.3	1.0	< 1	0.3	10	7.6	1.3	0.013	< 0.003	0.022
A544416	0.9	0.16	7.6	0.4	< 1	0.1	11	13.3	1.4	0.017	< 0.003	0.036

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Analyte Symbol	Yb	Lu	Hf	Ta	W	Tl	Pb	Th	U	Nb2O5	Ta2O5	ZrO2
Unit Symbol	ppm	%	%	%	%							
Detection Limit	0.1	0.04	0.2	0.1	1	0.1	5	0.1	0.1	0.003	0.003	0.003
Analysis Method	FUS-MS	FUS-XRF	FUS-XRF	FUS-XRF								
A544417	1.2	0.19	8.1	0.2	< 1	< 0.1	23	12.5	2.3	0.017	< 0.003	0.043
A544418	0.8	0.13	9.4	0.3	1	0.1	11	15.7	1.0	0.012	< 0.003	0.048
A544419	0.7	0.11	6.4	0.3	< 1	0.1	16	7.8	1.3	0.006	< 0.003	0.036
A544420	1.1	0.15	7.6	0.3	< 1	0.1	23	15.5	1.6	0.017	< 0.003	0.043
A544421	1.7	0.24	8.6	0.4	< 1	0.1	41	17.4	2.2	0.018	< 0.003	0.038
A544422	1.5	0.22	10.6	1.4	10	0.2	21	9.7	0.5	0.046	< 0.003	0.041
A544423	1.8	0.26	8.2	1.0	< 1	0.1	35	14.5	0.8	0.077	< 0.003	0.037
A544424	1.6	0.25	7.6	0.4	2	0.1	25	13.0	1.0	0.023	< 0.003	0.030
A544425	2.2	0.29	4.8	20.8	< 1	< 0.1	25	36.0	58.1	0.129	0.006	0.040
A544426	2.3	0.32	8.0	11.2	< 1	< 0.1	94	25.4	15.4	0.077	0.003	0.060
A544427	2.3	0.33	6.3	30.6	< 1	0.1	30	19.2	37.5	0.073	0.005	0.048
A544428	2.7	0.37	4.8	27.8	< 1	0.2	25	18.1	35.4	0.080	0.004	0.036
A544429	2.0	0.26	3.1	22.7	< 1	0.1	22	17.6	22.9	0.112	0.005	0.025
A544430	1.8	0.26	3.0	25.0	< 1	0.1	17	22.6	23.4	0.094	0.005	0.021
A544431	2.1	0.28	4.5	18.6	< 1	< 0.1	21	25.1	33.7	0.086	0.003	0.035
A544432	2.8	0.39	4.0	17.1	< 1	< 0.1	25	28.6	49.2	0.099	0.006	0.035
A544433	1.8	0.23	4.1	16.1	< 1	< 0.1	28	32.1	28.9	0.135	0.008	0.036
A544434	1.2	0.17	3.0	26.7	< 1	< 0.1	21	21.3	12.6	0.101	0.004	0.022
A544435	2.0	0.28	4.1	36.4	1	< 0.1	38	29.2	79.1	0.107	0.011	0.037
A544436	2.1	0.29	3.2	51.8	< 1	< 0.1	33	30.0	80.9	0.098	0.011	0.030
A544437	2.7	0.38	3.1	40.7	< 1	< 0.1	29	21.5	65.9	0.094	0.006	0.031
A544438	2.6	0.37	4.5	34.0	< 1	< 0.1	26	27.0	59.8	0.101	0.006	0.034
A544439	2.5	0.36	3.4	21.9	1	< 0.1	31	31.5	49.1	0.108	0.006	0.029
A544440	2.4	0.35	4.4	15.6	< 1	0.1	30	16.0	14.2	0.070	< 0.003	0.034
A544441	2.2	0.29	5.2	16.3	< 1	0.2	53	22.2	17.8	0.115	0.004	0.046
A544442	1.6	0.25	5.4	9.3	< 1	0.2	109	35.9	22.2	0.164	< 0.003	0.059
A544443	2.2	0.29	2.5	3.4	< 1	< 0.1	70	37.2	10.5	0.095	< 0.003	0.026
A544444	2.1	0.29	7.0	15.3	< 1	0.2	63	11.7	22.6	0.094	0.003	0.056
A544445	2.6	0.34	3.5	13.0	< 1	< 0.1	38	35.1	21.6	0.252	0.004	0.039
A544446	1.2	0.19	0.4	0.8	< 1	0.3	61	0.2	0.3	< 0.003	< 0.003	< 0.003
A544447	0.4	0.05	0.9	12.7	< 1	0.3	47	6.4	13.4	0.027	< 0.003	0.003
A544448	0.5	0.07	0.4	0.5	< 1	0.4	54	0.4	0.3	< 0.003	< 0.003	< 0.003
A544449	0.7	0.11	2.0	< 0.1	< 1	< 0.1	< 5	3.0	0.8	< 0.003	< 0.003	0.011
A544450	0.7	0.13	0.6	0.3	< 1	0.1	7	5.3	0.9	< 0.003	< 0.003	0.003
A544451	0.3	0.05	1.0	0.9	< 1	0.5	69	2.1	2.6	< 0.003	< 0.003	< 0.003
A544452	0.2	< 0.04	0.4	0.5	< 1	0.4	59	0.5	0.4	< 0.003	< 0.003	< 0.003
A544453	3.2	0.44	2.9	8.0	< 1	< 0.1	44	43.5	15.0	0.249	0.003	0.035
A544454	2.2	0.30	3.2	17.6	2	< 0.1	46	47.6	14.6	0.253	0.003	0.034
A544455	1.6	0.21	6.9	27.2	2	0.2	54	67.3	16.1	0.375	0.006	0.068
A544456	2.8	0.36	3.1	10.4	1	< 0.1	79	51.4	21.7	0.181	< 0.003	0.029
A544457	2.0	0.26	3.8	13.8	< 1	0.3	52	29.3	17.2	0.121	0.003	0.031
A544458	1.4	0.21	3.8	12.1	< 1	0.2	46	19.1	14.1	0.141	0.004	0.026
A544459	0.9	0.12	0.9	3.0	< 1	0.1	46	13.6	10.5	0.151	0.003	0.015
A544460	2.3	0.31	2.8	9.9	< 1	< 0.1	42	7.4	12.4	0.053	< 0.003	0.025
A544461	2.1	0.28	3.0	10.0	< 1	0.1	35	21.5	17.4	0.086	0.003	0.028
A544462	3.0	0.40	3.3	31.4	2	< 0.1	54	17.0	84.3	0.070	0.007	0.026
A544463	0.6	0.09	2.5	3.0	< 1	0.4	58	18.4	18.5	0.008	< 0.003	0.008
A544464	0.2	< 0.04	0.6	0.6	< 1	0.3	49	0.5	0.5	< 0.003	< 0.003	< 0.003
A544465	0.4	0.06	1.9	1.5	< 1	0.3	48	1.8	0.8	< 0.003	< 0.003	0.005
A544466	0.4	0.08	2.0	1.5	< 1	0.3	54	0.9	0.7	< 0.003	< 0.003	0.004
A544467	0.5	0.07	2.1	1.3	< 1	0.3	54	3.3	0.8	< 0.003	< 0.003	0.007
A544468	0.5	0.08	3.0	1.6	< 1	0.4	59	2.2	1.0	< 0.003	< 0.003	0.010

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Analyte Symbol	Yb	Lu	Hf	Ta	W	Tl	Pb	Th	U	Nb2O5	Ta2O5	ZrO2
Unit Symbol	ppm	%	%	%	%							
Detection Limit	0.1	0.04	0.2	0.1	1	0.1	5	0.1	0.1	0.003	0.003	0.003
Analysis Method	FUS-MS	FUS-XRF	FUS-XRF	FUS-XRF								
A544469	2.5	0.33	5.4	10.9	< 1	0.4	36	21.7	7.7	0.164	0.003	0.040
A544470	2.3	0.33	4.4	15.9	< 1	0.1	40	40.0	11.7	0.098	0.005	0.034
A544471	2.1	0.30	3.7	21.8	1	0.3	35	45.6	23.1	0.141	0.004	0.029
A544472	2.0	0.30	4.0	27.0	< 1	0.2	45	41.9	31.3	0.115	0.005	0.030
A544473	2.3	0.28	2.3	24.0	< 1	< 0.1	39	96.5	25.8	0.423	0.005	0.035
A544474	2.5	0.33	5.3	48.2	2	0.1	56	40.6	98.5	0.136	0.011	0.042
A544475	2.3	0.32	3.7	9.4	< 1	0.2	60	30.1	13.1	0.174	0.003	0.032
A544476	2.3	0.34	5.2	12.4	< 1	0.1	115	31.3	19.4	0.121	< 0.003	0.042
A544477	1.4	0.19	1.6	21.0	1	< 0.1	90	53.6	51.6	0.131	0.005	0.018
A544478	1.8	0.24	3.0	9.5	< 1	0.2	46	18.2	21.3	0.115	0.005	0.029
A544479	1.5	0.22	2.5	11.7	< 1	0.3	38	22.9	15.4	0.159	< 0.003	0.023
A544480	1.2	0.17	1.6	8.9	1	< 0.1	141	26.1	30.3	0.161	0.004	0.021
A544481	1.4	0.20	2.5	8.3	< 1	< 0.1	28	15.8	24.9	0.111	0.003	0.023
A544482	1.5	0.20	2.3	10.2	< 1	0.1	20	36.1	19.6	0.217	0.005	0.027
A544483	1.7	0.21	3.5	18.2	< 1	0.1	23	37.2	47.2	0.140	0.006	0.032
A544484	2.9	0.37	2.5	23.6	1	< 0.1	42	47.0	84.4	0.125	0.009	0.027
A544485	2.3	0.34	6.2	15.9	< 1	0.2	30	28.6	15.8	0.081	0.003	0.041
A544486	2.0	0.28	3.4	14.1	1	0.2	29	43.2	27.6	0.166	0.004	0.031
A544487	2.4	0.32	2.5	16.3	< 1	0.1	22	28.2	23.5	0.245	0.005	0.031
A544488	2.0	0.28	3.7	7.6	< 1	0.2	28	34.9	14.3	0.157	0.004	0.034
A544489	1.9	0.25	9.1	6.4	1	0.2	16	30.2	8.0	0.113	< 0.003	0.068
A544490	1.2	0.17	1.3	1.9	< 1	< 0.1	13	19.5	8.4	0.130	< 0.003	0.020
A544491	1.3	0.16	2.4	2.5	< 1	0.2	9	18.9	2.4	0.152	< 0.003	0.023
A544492	1.8	0.29	4.2	9.2	< 1	0.2	14	10.1	8.4	0.055	< 0.003	0.028
A544493	1.5	0.23	4.9	1.1	< 1	0.2	11	11.4	0.8	0.026	< 0.003	0.027
A544494	1.7	0.25	5.4	1.0	< 1	0.2	18	12.6	1.0	0.033	< 0.003	0.028
A544495	2.0	0.29	4.8	1.0	< 1	0.2	14	13.0	1.1	0.029	< 0.003	0.026
A544496	1.7	0.24	4.2	1.2	< 1	0.2	13	12.3	1.0	0.028	< 0.003	0.024
A544497	2.6	0.40	5.7	16.7	1	0.3	27	23.7	6.8	0.063	0.003	0.032
A544498	3.1	0.46	6.8	2.4	2	0.6	23	24.2	4.6	0.005	< 0.003	0.038
A544499	0.5	0.09	1.7	0.1	< 1	< 0.1	< 5	2.7	0.7	< 0.003	< 0.003	0.010
A544500	0.7	0.11	0.6	0.3	< 1	0.2	8	6.1	1.0	0.003	< 0.003	0.005
A544501	4.1	0.65	7.5	4.4	3	0.5	11	21.2	5.4	0.009	< 0.003	0.038
A544502	3.5	0.54	6.1	1.8	3	0.5	14	18.8	4.0	< 0.003	< 0.003	0.031
A544503	1.1	0.19	5.3	0.7	1	0.3	6	12.1	2.3	< 0.003	< 0.003	0.025
A544504	0.9	0.13	4.7	0.8	< 1	0.4	7	11.5	1.9	< 0.003	< 0.003	0.025
A544505	1.0	0.17	3.1	0.7	6	0.4	< 5	4.4	1.0	< 0.003	< 0.003	0.015
A544506	1.3	0.19	1.7	3.4	1	0.3	60	25.2	4.3	0.127	< 0.003	0.009
A544507	1.6	0.23	4.8	1.6	1	0.3	60	14.2	2.0	0.029	< 0.003	0.022
A544508	1.6	0.26	7.1	0.5	1	0.2	37	14.3	1.3	0.013	< 0.003	0.025
A544509	1.5	0.24	8.4	5.3	2	0.2	22	13.4	8.3	0.037	< 0.003	0.036
A544510	1.3	0.21	5.2	3.6	2	0.2	27	15.7	28.7	0.034	< 0.003	0.022
A544511	1.2	0.17	7.8	0.8	1	0.2	20	11.0	2.6	0.016	< 0.003	0.035
A544512	0.8	0.12	8.1	0.4	1	0.1	11	16.3	1.2	0.018	< 0.003	0.030
A544513	1.5	0.24	0.7	0.4	1	< 0.1	27	8.2	1.0	0.055	< 0.003	0.008
A544514	0.9	0.12	9.0	0.4	< 1	0.1	15	14.4	1.6	0.017	< 0.003	0.037
A544515	0.5	0.08	7.4	0.5	< 1	< 0.1	7	19.9	0.7	0.018	< 0.003	0.030
A544516	0.7	0.11	10.8	0.6	< 1	< 0.1	12	184	0.5	0.019	< 0.003	0.043
A544517	1.2	0.17	< 0.2	< 0.1	< 1	< 0.1	35	19.8	0.2	< 0.003	< 0.003	0.005
A544518	1.6	0.25	15.1	4.9	< 1	0.1	24	31.9	5.6	0.060	< 0.003	0.063
A544519	1.9	0.26	11.7	2.0	1	0.1	21	28.2	2.3	0.079	< 0.003	0.038
A544520	2.1	0.30	8.1	2.2	< 1	0.3	28	26.3	6.2	0.063	< 0.003	0.019

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Analyte Symbol	Yb	Lu	Hf	Ta	W	Tl	Pb	Th	U	Nb2O5	Ta2O5	ZrO2
Unit Symbol	ppm	%	%	%	%							
Detection Limit	0.1	0.04	0.2	0.1	1	0.1	5	0.1	0.1	0.003	0.003	0.003
Analysis Method	FUS-MS	FUS-XRF	FUS-XRF	FUS-XRF								
A544521	1.4	0.19	0.7	1.1	< 1	< 0.1	24	10.8	1.3	0.092	< 0.003	0.009
A544522	1.3	0.20	10.2	2.8	< 1	0.2	13	25.4	4.3	0.041	< 0.003	0.039
A544523	1.4	0.17	4.6	1.2	< 1	< 0.1	8	73.1	1.5	0.045	< 0.003	0.020
A544524	1.0	0.13	4.6	0.6	< 1	< 0.1	< 5	47.7	0.7	0.018	< 0.003	0.021
A544525	1.7	0.23	4.8	2.5	< 1	< 0.1	9	111	0.9	0.021	< 0.003	0.021
A544526	2.5	0.35	5.6	19.2	< 1	0.1	25	62.1	24.9	0.103	0.004	0.041
A544527	2.3	0.33	3.8	25.4	< 1	0.2	34	20.2	30.7	0.124	0.004	0.034
A544528	1.9	0.28	4.1	12.6	< 1	0.2	48	22.4	16.4	0.145	0.004	0.034
A544529	2.2	0.29	7.8	6.7	< 1	< 0.1	69	29.8	11.7	0.084	< 0.003	0.057
A544530	1.7	0.22	4.4	7.9	< 1	< 0.1	39	18.1	19.6	0.131	< 0.003	0.040
A544531	1.6	0.22	2.1	3.2	< 1	< 0.1	27	13.8	11.4	0.153	< 0.003	0.023
A544532	1.7	0.22	3.1	11.6	< 1	< 0.1	29	46.5	17.6	0.170	0.005	0.027
A544533	1.8	0.24	3.7	21.0	< 1	0.2	68	40.8	43.3	0.141	0.006	0.030
A544534	1.7	0.26	8.7	15.8	< 1	0.4	48	28.5	9.2	0.081	0.004	0.050
A544535	1.9	0.27	4.5	19.8	< 1	0.3	33	34.9	10.1	0.135	0.003	0.025
A544536	1.2	0.18	3.1	11.8	< 1	0.2	17	34.7	5.5	0.103	< 0.003	0.020
A544537	1.2	0.16	1.4	2.8	1	< 0.1	19	38.0	4.7	0.124	0.003	0.017
A544538	0.1	< 0.04	0.7	0.7	< 1	0.4	28	1.7	0.4	< 0.003	< 0.003	< 0.003
A544539	0.6	0.09	2.7	2.1	< 1	0.3	29	8.3	1.6	0.009	< 0.003	0.016
A544540	0.9	0.14	1.2	1.7	< 1	0.2	33	3.6	1.8	0.006	< 0.003	0.006
A544541	2.3	0.34	4.6	30.8	2	0.3	61	37.3	38.2	0.042	< 0.003	0.030
A544542	1.5	0.21	3.6	11.4	< 1	0.3	38	26.4	10.4	0.088	0.003	0.021
A544543	1.5	0.21	4.3	12.3	< 1	0.3	56	28.4	7.0	0.091	< 0.003	0.025
A544544	2.1	0.29	4.8	28.2	< 1	0.2	28	19.7	24.7	0.055	0.003	0.033
A544545	1.9	0.30	3.6	18.9	< 1	0.2	21	19.8	16.7	0.071	< 0.003	0.024
A544546	2.3	0.34	4.1	32.8	< 1	0.2	24	53.7	24.9	0.243	0.007	0.036
A544547	2.4	0.35	5.7	26.9	< 1	0.2	17	42.2	32.2	0.169	0.006	0.044
A544548	2.2	0.30	5.2	30.8	< 1	0.1	20	62.0	50.3	0.247	0.009	0.043
A544549	0.7	0.11	2.1	0.2	< 1	< 0.1	< 5	3.1	0.8	< 0.003	< 0.003	0.011
A544550	0.8	0.12	0.6	0.3	< 1	0.1	8	5.5	1.0	< 0.003	< 0.003	< 0.003
A544551	1.6	0.22	3.3	12.3	< 1	< 0.1	15	42.9	23.3	0.250	0.005	0.032
A544552	2.1	0.29	5.0	59.3	< 1	0.2	27	29.2	70.7	0.161	0.009	0.037
A544553	2.2	0.28	3.3	43.0	< 1	0.3	19	26.6	33.8	0.261	0.007	0.030
A544554	1.7	0.20	2.4	49.3	< 1	< 0.1	24	48.2	76.0	0.225	0.011	0.026
A544555	1.7	0.27	3.0	4.6	< 1	0.2	8	8.5	3.9	0.072	< 0.003	0.020
A544556	1.7	0.23	4.2	6.5	< 1	0.2	9	7.3	4.5	0.046	< 0.003	0.024
A544557	1.9	0.29	4.3	4.3	1	0.1	12	9.1	3.9	0.072	< 0.003	0.025
A544558	3.2	0.44	1.8	34.1	< 1	< 0.1	28	14.2	49.4	0.100	0.007	0.021
A544559	1.8	0.25	3.5	12.8	< 1	0.2	10	13.8	8.6	0.050	< 0.003	0.021
A544560	2.0	0.28	3.0	5.8	< 1	0.2	9	13.5	2.5	0.079	< 0.003	0.016
A544561	1.8	0.25	4.0	17.5	< 1	0.1	11	14.4	6.4	0.064	< 0.003	0.021
A544562	1.7	0.24	5.9	15.0	< 1	0.3	14	12.1	8.8	0.047	< 0.003	0.034
A544563	1.9	0.27	8.9	4.9	< 1	0.2	15	12.4	1.5	0.033	< 0.003	0.048
A544564	2.1	0.30	5.5	2.4	< 1	0.2	9	11.8	1.7	0.042	< 0.003	0.031
A544565	1.8	0.26	4.5	50.5	< 1	0.2	10	36.2	10.1	0.420	0.007	0.036
A544566	2.3	0.34	4.1	23.3	< 1	0.2	13	21.8	6.3	0.136	0.005	0.032
A544567	2.4	0.34	5.4	10.2	< 1	0.3	40	20.2	6.6	0.081	< 0.003	0.033
A544568	2.7	0.43	5.4	0.9	< 1	0.4	18	20.1	1.4	0.013	< 0.003	0.025
A544569	2.3	0.37	5.4	1.1	< 1	0.5	16	23.4	1.8	0.008	< 0.003	0.026
A544570	2.3	0.34	4.5	0.9	< 1	0.4	22	16.2	1.7	0.004	< 0.003	0.021
A544571	2.5	0.34	6.1	2.0	< 1	0.4	18	18.9	2.8	0.012	< 0.003	0.036
A544572	2.9	0.45	5.4	1.3	< 1	0.5	20	24.9	3.4	0.004	< 0.003	0.031

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Analyte Symbol	Yb	Lu	Hf	Ta	W	Tl	Pb	Th	U	Nb2O5	Ta2O5	ZrO2
Unit Symbol	ppm	%	%	%	%							
Detection Limit	0.1	0.04	0.2	0.1	1	0.1	5	0.1	0.1	0.003	0.003	0.003
Analysis Method	FUS-MS	FUS-XRF	FUS-XRF	FUS-XRF								
A544573	3.7	0.56	5.9	2.1	< 1	0.6	22	28.1	3.7	0.005	< 0.003	0.030
A544574	2.6	0.40	6.3	1.2	< 1	0.5	29	29.0	4.2	< 0.003	< 0.003	0.028
A544575	2.9	0.42	5.4	1.9	< 1	0.5	43	23.3	6.0	0.008	< 0.003	0.028
A544576	2.8	0.44	6.2	1.9	< 1	0.6	20	24.7	6.6	0.003	< 0.003	0.032
A544577	4.2	0.67	7.3	1.6	< 1	0.4	19	21.8	6.6	0.005	< 0.003	0.037
A544578	3.8	0.62	6.9	2.0	< 1	0.4	18	20.0	4.2	0.008	< 0.003	0.040
A544579	2.8	0.43	4.7	0.7	< 1	0.3	15	11.8	2.4	< 0.003	< 0.003	0.022
A544580	3.8	0.61	4.9	2.5	< 1	0.4	39	19.1	7.1	0.015	< 0.003	0.020
A544581	3.2	0.48	7.7	1.0	< 1	0.4	17	19.6	5.1	0.003	< 0.003	0.038
A544582	3.2	0.52	8.0	1.7	< 1	0.4	20	15.8	2.9	0.005	< 0.003	0.041
A544583	2.4	0.38	6.7	1.2	< 1	0.2	15	14.9	1.8	< 0.003	< 0.003	0.036
A544584	2.8	0.42	6.5	1.9	< 1	0.3	23	15.7	3.3	< 0.003	< 0.003	0.036
A544585	5.3	0.80	7.8	1.4	< 1	0.4	15	22.7	6.8	< 0.003	< 0.003	0.033
A544586	2.4	0.38	4.8	1.3	4	0.4	7	15.1	3.5	< 0.003	< 0.003	0.027
A544587	1.4	0.22	4.0	1.0	1	0.2	7	10.1	2.7	< 0.003	< 0.003	0.023
A544588	3.2	0.50	5.3	1.3	< 1	0.4	11	10.2	3.1	< 0.003	< 0.003	0.030
A544589	3.4	0.58	6.3	0.3	< 1	0.3	17	18.1	1.7	< 0.003	< 0.003	0.033
A544590	3.4	0.54	4.4	0.4	< 1	0.3	21	15.6	1.5	< 0.003	< 0.003	0.023
A544591	3.1	0.50	5.2	0.6	< 1	0.2	14	9.7	1.2	< 0.003	< 0.003	0.027
A544592	2.8	0.45	4.6	0.4	< 1	0.2	5	10.2	1.6	< 0.003	< 0.003	0.022
A544593	3.3	0.54	4.4	0.8	< 1	0.2	9	11.1	1.9	< 0.003	< 0.003	0.021
A544594	2.9	0.46	4.4	0.6	< 1	0.2	15	15.3	1.9	< 0.003	< 0.003	0.021
A544595	2.8	0.43	4.8	0.5	< 1	0.2	14	10.2	1.3	< 0.003	< 0.003	0.024
A544596	2.9	0.47	4.8	0.5	< 1	0.3	15	12.9	1.6	< 0.003	< 0.003	0.026
A544597	3.1	0.49	5.0	0.5	< 1	0.4	16	13.9	1.7	0.003	< 0.003	0.027
A544598	2.9	0.48	5.0	0.4	< 1	0.2	15	16.2	1.9	< 0.003	< 0.003	0.026
A544599	0.7	0.11	2.5	< 0.1	< 1	< 0.1	< 5	3.0	0.8	< 0.003	< 0.003	0.010
A544600	0.8	0.12	0.6	0.1	< 1	< 0.1	6	5.7	1.2	< 0.003	< 0.003	0.004
A544601	2.6	0.41	2.9	0.3	< 1	0.1	10	6.0	0.8	< 0.003	< 0.003	0.015
A544602	2.8	0.44	3.4	0.3	< 1	< 0.1	7	3.0	0.6	< 0.003	< 0.003	0.016

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Quality Control																								
Analyte Symbol	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	LOI	Total	Sc	Be	V	Cr	Co	Ni	Cu	Zn	Ga	Ge	As	Rb
Unit Symbol	%	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
Detection Limit	0.01	0.01	0.01	0.001	0.01	0.01	0.01	0.01	0.001	0.01	0.01	0.01	1	1	5	20	1	20	10	30	1	5	2	
Analysis Method	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS		
DH-1a Meas																								
DH-1a Cert																								
TAN-1 Meas																								
TAN-1 Cert																								
NIST 694 Meas	11.41	1.89	0.74	0.013	0.33	42.82	0.88	0.55	0.119	30.22							1660							
NIST 694 Cert	11.2	1.80	0.790	0.0116	0.330	43.6	0.860	0.510	0.110	30.2							1740							
DNC-1 Meas	46.84	18.37	9.91	0.146	9.91	11.43	1.89	0.23	0.485	0.07			31		157	270	59	250	100	70				
DNC-1 Cert	47.15	18.34	9.97	0.150	10.13	11.49	1.890	0.234	0.480	0.070			31		148.0	270.000	57.0	247.000	100.0	70.0				
GBW 07113 Meas	72.53	12.74	3.21	0.142	0.13	0.60	2.44	5.43	0.279	0.05			5	4	7									
GBW 07113 Cert	72.8	13.0	3.21	0.140	0.160	0.590	2.57	5.43	0.300	0.0500			5.00	4.00	5.00									
LKSD-3 Meas																	30	50	30		28	75		
LKSD-3 Cert																	30.0	47.0	35.0		27.0	78.0		
OKA-2 Meas																								
OKA-2 Cert																								
MA-N (Depleted) Meas																								
MA-N (Depleted) Cert																								
OKA-1 Meas																								
OKA-1 Cert																								
W-2a Meas	51.98	14.93	10.68	0.165	6.06	11.03	2.17	0.62	1.060	0.13			35	< 1	277	90	43	70	110	90	17	< 5	20	
W-2a Cert	52.4	15.4	10.7	0.163	6.37	10.9	2.14	0.626	1.06	0.130			36.0	1.30	262	92.0	43.0	70.0	110	80.0	17.0	1.20	21.0	
SY-4 Meas	49.72	20.69	6.21	0.108	0.50	8.14	7.02	1.67	0.292	0.14			< 1	3	8									
SY-4 Cert	49.9	20.69	6.21	0.108	0.54	8.05	7.10	1.66	0.287	0.131			1.1	2.6	8.0									
CTA-AC-1 Meas																				60				
CTA-AC-1 Cert																				54.0				
BIR-1a Meas	47.78	15.74	11.60	0.171	9.34	13.50	1.84	0.02	1.000	0.02			44	< 1	342	380	54	170	130	80	16			
BIR-1a Cert	47.96	15.50	11.30	0.175	9.700	13.30	1.82	0.030	0.96	0.021			44	0.58	310	370	52	170	125	70	16			
NCS DC86312 Meas																				1050	99			
NCS DC86312 Cert																				1050	99			
ZW-C Meas																								
ZW-C Cert																								
VS-N Meas																								
VS-N Cert																								
NCS DC70014 Meas																			25	70	2600	7400	25	
NCS DC70014 Cert																			26.2	70.9	2600.00	7400.00	25.2	
NCS DC86316 Meas																								
NCS DC86316 Cert																								
NCS DC70009 (GBW07241) Meas																			< 20	960	16	11	70	504
NCS DC70009 (GBW07241) Cert																			2.8	960.000	16.5	11.2	69.9	500.00
OREAS 100a (Fusion) Meas																			17		170			
OREAS 100a (Fusion) Cert																			18.1		169			
OREAS 101a (Fusion) Meas																			47		430			
OREAS 101a (Fusion) Cert																			48.8		434			
JR-1 Meas																			< 20	< 10	< 30	16	15	250
JR-1 Cert																			1.67	2.68	30.6	16.1	16.3	257
NCS DC86318 Meas																								
NCS DC86318 Cert																								
SX18-01 Meas																								
SX18-01 Cert																								
SX18-04 Meas																								
SX18-04 Cert																								
SX18-04 Meas																								
SX18-04 Cert																								

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Quality Control																								
Analyte Symbol	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	LOI	Total	Sc	Be	V	Cr	Co	Ni	Cu	Zn	Ga	Ge	As	Rb
Unit Symbol	%	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
Detection Limit	0.01	0.01	0.01	0.001	0.01	0.01	0.01	0.01	0.001	0.01	0.01	0.01	1	1	5	20	1	20	10	30	1	5	2	
Analysis Method	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS								
SX18-04 Cert																								
SX18-05 Meas																								
SX18-05 Cert																								
SX18-05 Meas																								
SX18-05 Cert																								
SARM 3 Meas																								
SARM 3 Cert																								
USZ 42-2006 Meas																								
USZ 42-2006 Cert																								
A544015 Orig	33.63	6.40	8.60	0.893	10.81	14.13	3.01	3.36	0.231	1.18	13.59	95.84	37	6	58	30	11	< 20	20	1390	21	3	8	79
A544015 Dup	33.53	6.25	8.55	0.888	10.63	14.26	3.00	3.34	0.226	1.17	13.59	95.43	37	6	56	30	11	< 20	20	1400	21	3	7	79
A544032 Orig	68.14	8.04	4.89	0.195	4.78	3.54	3.89	4.89	0.205	0.46	1.65	100.7	49	9	57	40	3	< 20	< 10	180	15	2	< 5	61
A544032 Dup	67.85	8.04	4.83	0.196	4.53	3.46	3.83	4.82	0.200	0.45	1.65	99.86	48	10	57	30	3	< 20	< 10	170	15	2	< 5	61
A544058 Orig	4.89	9.17	0.464	9.65	33.13	0.25	0.79	0.355	3.79	31.12	94.49	21	1	76	< 20	13	< 20	10	110	14	2	5	27	
A544058 Dup	4.92	0.90	9.29	0.466	9.69	33.48	0.25	0.80	0.360	3.83	31.12	95.12	23	< 1	79	< 20	14	< 20	10	110	14	2	5	26
A544075 Orig	71.55	15.19	0.56	0.017	0.10	2.65	5.47	2.36	0.031	0.01	0.92	98.86	1	3	5	< 20	< 1	< 20	< 10	< 30	15	< 1	< 5	41
A544075 Dup	71.68	15.20	0.55	0.016	0.10	2.63	5.51	2.37	0.032	0.02	0.92	99.02	1	3	5	< 20	< 1	< 20	< 10	< 30	15	< 1	< 5	41
A544129 Orig	24.75	2.76	6.73	0.657	13.77	21.15	1.83	2.23	0.087	2.09	21.29	97.35	77	3	35	< 20	7	< 20	20	140	6	1	8	44
A544129 Dup	25.25	2.85	6.88	0.672	14.06	21.68	1.87	2.29	0.090	2.15	21.29	99.09	79	3	37	< 20	7	< 20	20	140	5	1	8	44
A544161 Orig	19.50	4.30	10.69	0.589	12.76	21.86	0.91	3.14	0.742	2.22	20.07	96.78	29	3	107	60	17	30	30	150	15	2	< 5	89
A544161 Dup	19.17	4.19	10.38	0.570	12.53	21.40	0.89	3.08	0.713	2.15	20.07	95.14	28	3	105	60	17	30	30	150	15	2	< 5	90
A544187 Orig	25.58	4.50	7.32	0.489	13.20	19.16	2.20	2.62	0.441	2.08	18.40	95.99	49	5	75	70	17	40	20	140	13	2	7	69
A544187 Dup	25.56	4.43	7.36	0.493	13.18	19.23	2.18	2.60	0.424	2.08	18.40	95.94	48	5	76	70	17	40	20	130	13	2	< 5	69
A544204 Orig	55.32	14.24	7.07	0.351	3.86	3.02	4.17	6.06	0.592	0.47	2.38	97.54	22	6	79	80	15	30	20	160	33	4	7	146
A544204 Dup	56.23	14.79	7.14	0.355	3.94	3.05	4.22	6.14	0.607	0.48	2.38	99.33	21	6	80	80	14	20	20	160	32	4	7	145
A544215 Orig	14.34	2.88	7.17	0.357	9.02	30.71	0.79	2.33	0.426	3.23	25.38	96.65	32	3	58	30	16	20	20	100	18	2	6	64
A544215 Dup	14.43	2.90	7.23	0.355	9.05	30.52	0.80	2.35	0.426	3.22	25.38	96.67	33	3	59	30	16	20	20	100	18	2	6	62
A544230 Orig	9.71	1.71	5.81	0.514	14.74	27.19	0.37	1.12	0.213	3.70	30.65	95.73	21	2	36	20	11	20	20	130	10	2	6	33
A544230 Dup	9.73	1.75	5.88	0.522	14.90	27.47	0.38	1.13	0.220	3.79	30.65	96.42	21	2	37	20	10	30	20	140	10	1	5	33
A544247 Orig	35.21	7.61	8.50	0.484	9.67	15.67	3.52	3.05	0.653	1.47	11.17	97.00	39	5	96	60	17	50	30	290	19	2	< 5	87
A544247 Dup	35.71	7.72	8.59	0.486	9.70	15.57	3.64	3.16	0.663	1.43	11.17	97.85	39	5	95	70	16	50	40	320	19	2	< 5	90
A544258 Orig	5.49	0.87	6.02	0.381	8.37	36.76	0.30	0.76	0.436	3.21	32.96	95.54	21	2	43	60	15	40	20	70	9	2	5	26
A544258 Dup	5.55	0.88	5.98	0.383	8.43	37.07	0.30	0.77	0.419	3.26	32.96	96.01	22	2	43	60	14	40	20	70	9	2	< 5	26
A544273 Orig	27.51	4.79	7.56	0.368	12.38	21.08	1.26	3.48	0.453	2.47	16.63	97.98	49	6	80	40	16	30	20	150	16	2	< 5	86
A544273 Dup	27.44	4.92	7.49	0.365	12.45	21.02	1.26	3.50	0.462	2.46	16.63	98.00	48	6	79	40	16	30	20	160	16	2	< 5	86
A544290 Orig	57.14	15.08	5.95	0.122	2.39	4.89	5.62	3.91	0.742	0.28	2.02	98.14	14	5	64	40	11	20	20	100	24	2	< 5	83
A544290 Dup	57.53	15.30	5.91	0.122	2.40	4.92	5.74	3.96	0.752	0.26	2.02	98.90	14	5	64	40	11	20	20	110	23	2	< 5	83
A544316 Orig	65.55	7.18	5.33	0.278	3.95	3.84	4.10	3.87	0.296	0.52	2.52	97.44	48	8	72	50	3	< 20	< 10	240	28	4	8	59
A544316 Dup	64.48	7.15	5.26	0.275	3.90	3.80	4.01	3.79	0.294	0.51	2.52	95.98	47	7	72	50	3	< 20	< 10	250	29	4	10	60
A544333 Orig	32.57	4.69	5.85	0.223	14.07	21.35	0.86	2.34	1.192	0.79	14.66	98.60	13	2	94	140	17	90	60	70	10	3	< 5	80
A544333 Dup	32.96	4.67	5.85	0.223	14.07	21.18	0.89	2.41	1.169	0.79	14.66	98.86	12	2	94	130	17	90	60	70	10	3	< 5	79
A544344 Orig	6.96	1.45	6.36	0.398	7.22	37.48	0.30	1.17	0.157	3.14	29.46	94.11	26	1	24	< 20	24	< 20	10	70	12	2	< 5	35
A544344 Dup	6.68	1.38	6.33	0.395	7.08	37.36	0.29	1.12	0.154	3.15	29.46	93.41	27	1	25	< 20	25	< 20	10	70	12	2	< 5	33
A544359 Orig	70.55	16.65	0.47	0.007	0.10	1.47	4.32	5.84	0.034	< 0.01	0.37	99.82	< 1	3	5	30	< 1	< 20	< 10	< 30	14	1	< 5	96
A544359 Dup	71.52	16.77	0.47	0.007	0.09	1.48	4.39	5.84	0.037	0.02	0.37	101.0	< 1	3	7	30	< 1	< 20	< 10	< 30	15	1	< 5	98
A544376 Orig	68.55	15.78	1.06	0.022	0.30	2.06	5.05	4.71	0.065	0.02	1.06	98.69	4	5	8	60	< 1	< 20	< 10	< 30	20	1	< 5	115
A544376 Dup	69.07	16.17	1.08	0.022	0.30	2.07	5.08	4.74	0.067	0.02	1.06	99.66	4	5	8	60	< 1	< 20	< 10	< 30	20	1	< 5	115
A544402 Orig	43.27	9.48	6.66	0.274	8.62	12.56	3.68	4.33	0.514	1.21	8.87	99.47	41	6	81	80	15	30	20	130	16	2	< 5	105
A544402 Dup	43.68	9.63	6.79	0.277	8.72	12.69	3.69	4.35	0.525	1.24	8.87	100.5	41	6	81	80	14	30	20	130	15	2	< 5	102
A544419 Orig	68.97	7.10	4.21	0.168	3.29	2.65	3.52	4.24	0.176	0.40	2.07	96.78	37	5	43	< 20	2	< 20	< 10	210	28	3	10	72
A544419 Dup																								

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Quality Control																								
Analyte Symbol	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	LOI	Total	Sc	Be	V	Cr	Co	Ni	Cu	Zn	Ga	Ge	As	Rb
Unit Symbol	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
Detection Limit	0.01	0.01	0.01	0.001	0.01	0.01	0.01	0.01	0.001	0.01	0.01		1	1	5	20	1	20	10	30	1	1	5	2
Analysis Method	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS								
A544488 Orig	16.17	3.19	7.18	0.560	11.63	26.25	1.14	2.12	0.463	2.86	24.17	95.74	30	3	61	40	16	30	20	110	17	2	6	66
A544488 Dup	16.44	3.20	7.33	0.564	11.88	26.38	1.16	2.14	0.481	2.88	24.17	96.63	30	3	63	40	17	30	20	100	17	2	7	63
A544505 Orig	77.05	7.09	4.86	0.022	5.58	0.44	0.17	2.11	0.915	0.20	1.64	100.1	11	1	116	30	18	30	20	70	10	2	< 5	79
A544505 Dup	76.75	7.07	4.85	0.021	5.52	0.43	0.17	2.13	0.900	0.20	1.64	99.69	11	1	115	30	18	20	20	80	10	2	< 5	78
A544531 Orig	2.35	0.37	5.84	0.617	12.29	32.55	0.14	0.33	0.104	3.64	36.01	94.24	19	< 1	23	< 20	11	< 20	< 10	90	8	1	5	9
A544531 Dup	2.31	0.36	5.84	0.614	12.13	32.60	0.14	0.32	0.099	3.65	36.01	94.06	19	< 1	29	< 20	11	< 20	< 10	90	8	2	5	9
A544559 Orig	41.47	8.87	5.48	0.214	8.85	12.57	2.70	6.04	0.228	1.40	10.38	98.20	31	9	44	30	10	< 20	10	120	15	2	< 5	113
A544559 Dup	41.70	9.01	5.57	0.217	9.03	12.74	2.68	6.05	0.234	1.41	10.38	99.01	31	9	43	20	10	< 20	10	130	15	2	< 5	114
A544570 Orig	60.10	14.80	6.44	0.118	3.26	5.09	4.23	3.92	0.759	0.21	0.92	99.84	18	4	100	70	17	< 20	20	100	21	1	< 5	112
A544570 Split	59.48	14.43	6.26	0.116	3.15	4.98	4.22	3.90	0.741	0.19	0.98	98.46	18	4	99	60	16	< 20	20	100	20	1	< 5	108
A544591 Orig	61.86	13.79	9.08	0.130	3.37	4.44	1.85	2.49	1.154	0.29	1.70	100.2	22	1	130	60	23	< 20	50	210	20	2	< 5	73
A544591 Dup	61.84	13.75	9.03	0.132	3.38	4.43	1.90	2.55	1.123	0.31	1.70	100.1	21	1	130	50	22	20	50	200	20	2	< 5	71
A544601 Orig	54.76	15.64	11.15	0.156	4.22	7.29	2.77	1.55	1.251	0.19	0.73	99.70	30	2	218	40	33	50	100	100	21	1	< 5	38
A544601 Split	54.38	15.47	11.22	0.156	4.30	7.36	2.70	1.54	1.261	0.20	0.66	99.25	29	2	220	50	34	40	110	100	20	2	< 5	36
Method Blank																< 20		< 1	< 20	< 10	< 30	< 1	< 5	< 2
Method Blank																								
Method Blank																								

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Quality Control		Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Cs	Ba	Bi	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Trm
Analyte Symbol	Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit		2	2	4	1	2	0.5	0.2	1	0.5	0.5	3	0.4	0.1	0.1	0.05	0.1	0.05	0.1	0.1	0.1	0.1	0.1	0.05	
Analysis Method	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-ICP	FUS-MS																			
DH-1a Meas																									
DH-1a Cert																									
TAN-1 Meas																									
TAN-1 Cert																									
NIST 694 Meas																									
NIST 694 Cert																									
DNC-1 Meas	143	15	34																						
DNC-1 Cert	144.0	18.0	38																						
GBW 07113 Meas	42	43	394																						
GBW 07113 Cert	43.0	43.0	403																						
LKSD-3 Meas																									
LKSD-3 Cert																									
OKA-2 Meas																									
OKA-2 Cert																									
MA-N (Depleted) Meas																									
MA-N (Depleted) Cert																									
OKA-1 Meas																									
OKA-1 Cert																									
W-2a Meas	195	18	84	7	< 2	< 0.5																			
W-2a Cert	190	24.0	94.0	7.90	0.600	0.0460																			
SY-4 Meas	1202	112	537																						
SY-4 Cert	1191	119	517																						
CTA-AC-1 Meas																									
CTA-AC-1 Cert																									
BIR-1a Meas	108	14	15	< 1																					
BIR-1a Cert	110	16	18	0.6																					
NCS DC86312 Meas																									
NCS DC86312 Cert																									
ZW-C Meas																									
ZW-C Cert																									
VS-N Meas																									
VS-N Cert																									
NCS DC70014 Meas																									
NCS DC70014 Cert																									
NCS DC86316 Meas																									
NCS DC86316 Cert																									
NCS DC70009 (GBW07241) Meas																									
NCS DC70009 (GBW07241) Cert																									
OREAS 100a (Fusion) Meas																									
OREAS 100a (Fusion) Cert																									
OREAS 101a (Fusion) Meas																									
OREAS 101a (Fusion) Cert																									
JR-1 Meas	14	3	< 0.5	< 0.2	3	1.2	20.9																		
JR-1 Cert	15.2	3.25	0.031	0.028	2.86	1.19	20.8																		
NCS DC86318 Meas																									
NCS DC86318 Cert																									
SX18-01 Meas																									
SX18-01 Cert																									
SX18-02 Meas																									
SX18-02 Cert																									
SX18-04 Meas																									
SX18-04 Cert																									
SX18-04 Meas																									

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Quality Control																								
Analyte Symbol	Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Cs	Ba	Bi	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Trm
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
Detection Limit	2	2	4	1	2	0.5	0.2	1	0.5	0.5	3	0.4	0.1	0.1	0.05	0.1	0.05	0.1	0.1	0.1	0.1	0.1	0.05	
Analysis Method	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-ICP	FUS-MS													
SX18-04 Cert																								
SX18-05 Meas																								
SX18-05 Cert																								
SX18-05 Meas																								
SX18-05 Cert																								
SARM 3 Meas								979																
SARM 3 Cert								978																
USZ 42-2006 Meas																								
USZ 42-2006 Cert																								
A544015 Orig	3016	32	117	747	38	1.2	< 0.2	8	< 0.5	1.3	3983	0.9	874	1480	123	465	51.2	10.8	24.9	2.2	8.2	1.1	2.2	0.26
A544015 Dup	2964	31	117	777	37	1.2	< 0.2	8	< 0.5	1.3	3944	0.9	888	1510	125	469	51.4	11.0	25.7	2.2	8.3	1.1	2.3	0.27
A544032 Orig	2000	16	316	69	14	1.7	< 0.2	9	< 0.5	< 0.5	1817	< 0.4	367	604	58.8	196	23.0	5.33	13.8	1.3	5.1	0.6	1.3	0.15
A544032 Dup	1949	16	278	69	13	1.7	< 0.2	9	< 0.5	< 0.5	1724	< 0.4	376	609	60.6	199	23.2	5.44	13.9	1.3	4.9	0.7	1.4	0.15
A544058 Orig	4911	45	312	569	17	2.0	< 0.2	2	< 0.5	0.5	910	0.8	406	859	102	396	58.0	14.3	34.0	3.5	14.7	2.0	4.3	0.46
A544058 Dup	5147	46	376	358	18	2.3	< 0.2	1	< 0.5	0.5	924	0.9	400	845	102	388	58.0	14.4	35.3	3.6	14.5	2.0	4.1	0.45
A544075 Orig	510	3	16	12	2	< 0.5	< 0.2	< 1	< 0.5	< 0.5	805	< 0.4	1.9	4.1	0.51	2.0	0.4	0.16	0.3	< 0.1	0.4	< 0.1	0.3	0.06
A544075 Dup	508	3	20	12	< 2	< 0.5	< 0.2	< 1	< 0.5	< 0.5	811	< 0.4	1.9	4.2	0.54	2.0	0.5	0.17	0.4	< 0.1	0.4	< 0.1	0.3	0.06
A544129 Orig	2752	26	149	606	8	0.7	< 0.2	6	< 0.5	< 0.5	290	< 0.4	309	600	67.4	247	36.6	9.04	23.0	2.1	8.7	1.2	2.4	0.25
A544129 Dup	2845	27	136	905	9	0.7	< 0.2	7	< 0.5	< 0.5	295	< 0.4	304	591	66.4	247	36.4	8.90	22.3	2.1	8.7	1.1	2.4	0.25
A544161 Orig	4195	32	228	634	34	< 0.5	< 0.2	3	< 0.5	1.8	5019	< 0.4	358	716	79.8	303	43.5	10.6	25.9	2.3	9.6	1.4	2.8	0.30
A544161 Dup	4106	31	202	597	34	< 0.5	< 0.2	3	< 0.5	1.8	4890	< 0.4	362	724	80.7	308	43.9	10.8	26.1	2.3	10.0	1.4	2.8	0.28
A544187 Orig	5757	25	127	428	3	0.9	< 0.2	4	< 0.5	1.3	2683	< 0.4	285	581	68.2	264	38.5	9.03	22.5	2.1	9.0	1.1	2.3	0.26
A544187 Dup	5734	25	124	448	3	1.0	< 0.2	4	< 0.5	1.2	2677	< 0.4	279	571	68.1	258	38.3	8.88	21.4	2.1	8.6	1.1	2.4	0.26
A544204 Orig	856	29	236	113	22	2.0	< 0.2	4	< 0.5	1.6	5227	1.2	923	1630	159	515	51.9	9.37	25.7	1.9	7.8	1.2	3.0	0.39
A544204 Dup	872	30	238	118	22	1.9	< 0.2	4	< 0.5	1.6	5321	1.3	930	1630	162	521	52.7	9.70	25.7	2.2	8.4	1.2	3.1	0.40
A544215 Orig	4844	49	180	144	< 2	1.8	< 0.2	3	< 0.5	0.7	3736	< 0.4	566	1090	119	426	57.1	13.8	37.0	3.4	14.3	2.0	4.3	0.51
A544215 Dup	4835	49	195	150	< 2	1.9	< 0.2	3	< 0.5	0.7	3725	< 0.4	570	1130	120	437	58.4	14.0	38.1	3.5	14.5	2.0	4.1	0.48
A544230 Orig	3852	31	109	411	41	0.8	< 0.2	1	< 0.5	1.4	552	< 0.4	309	631	74.9	297	45.3	11.1	27.1	2.5	10.7	1.4	2.8	0.28
A544230 Dup	3937	31	111	409	41	0.9	< 0.2	1	< 0.5	1.3	555	< 0.4	294	620	74.2	292	45.4	11.3	27.6	2.6	10.6	1.4	2.5	0.26
A544247 Orig	3866	31	196	531	9	2.0	< 0.2	9	< 0.5	2.0	4796	3.8	405	883	105	392	51.1	11.2	26.4	2.2	9.9	1.4	3.0	0.37
A544247 Dup	3940	31	226	554	9	2.4	< 0.2	10	< 0.5	2.0	4888	3.7	406	881	104	388	51.2	11.3	26.4	2.3	9.5	1.3	2.9	0.34
A544258 Orig	4462	45	188	302	8	1.7	< 0.2	3	< 0.5	< 0.5	929	< 0.4	333	711	87.1	352	55.3	13.4	32.0	3.2	13.9	2.0	4.3	0.46
A544258 Dup	4477	45	233	187	8	2.0	< 0.2	2	< 0.5	< 0.5	939	< 0.4	334	707	85.1	346	53.8	13.4	31.4	3.1	13.8	1.9	4.2	0.45
A544273 Orig	3706	36	288	467	< 2	2.5	< 0.2	6	< 0.5	1.3	3440	0.5	333	643	71.9	282	43.4	10.6	27.4	2.5	10.9	1.6	3.4	0.35
A544273 Dup	3749	36	261	457	< 2	2.4	< 0.2	6	< 0.5	1.3	3434	< 0.4	322	630	71.9	276	42.0	10.3	26.8	2.5	10.8	1.5	3.2	0.34
A544290 Orig	947	26	375	122	5	2.9	< 0.2	2	< 0.5	1.3	3258	< 0.4	217	390	39.6	137	19.6	4.05	12.8	1.3	6.3	1.1	3.0	0.39
A544290 Dup	942	27	383	115	5	3.2	< 0.2	2	< 0.5	1.3	3279	< 0.4	213	379	38.7	136	19.9	4.15	12.4	1.3	6.3	1.1	2.9	0.40
A544316 Orig	4679	22	268	83	27	2.1	< 0.2	11	< 0.5	< 0.5	7927	< 0.4	1500	2630	234	738	62.6	11.8	31.9	1.6	6.7	0.9	1.8	0.21
A544316 Dup	4637	22	268	90	26	1.9	< 0.2	12	< 0.5	< 0.5	7750	< 0.4	1500	2620	237	734	61.9	11.6	32.3	1.6	6.7	1.0	1.9	0.21
A544333 Orig	454	29	246	130	7	1.9	< 0.2	2	< 0.5	3.6	930	0.5	93.6	202	24.0	99.6	19.3	4.80	13.2	1.5	7.2	1.1	2.9	0.37
A544333 Dup	461	29	248	123	6	1.8	< 0.2	2	< 0.5	3.7	950	0.7	98.5	208	24.4	99.8	19.1	4.80	13.0	1.5	7.1	1.1	2.9	0.37
A544344 Orig	5381	61	354	1330	8	2.2	< 0.2	2	< 0.5	1.0	893	< 0.4	273	638	74.3	330	53.6	13.7	33.9	3.7	14.6	2.3	4.9	0.55
A544344 Dup	5444	59	386	1290	8	2.4	< 0.2	2	< 0.5	1.0	881	< 0.4	272	642	74.3	331	53.0	13.6	33.7	3.4	14.5	2.3	5.1	0.59
A544359 Orig	478	< 2	33	9	< 2	< 0.5	< 0.2	< 1	< 0.5	0.7	2723	< 0.4	6.8	11.5	1.03	3.3	0.4	0.17	0.3	< 0.1	0.3	< 0.1	0.2	< 0.05
A544359 Dup	475	< 2	30	10	< 2	< 0.5	< 0.2	< 1	< 0.5	0.8	2756	< 0.4	7.7	12.9	1.14	3.7	0.4	0.15	0.3	< 0.1	0.2	< 0.1	0.2	< 0.05
A544376 Orig	427	6	41	39	< 2	< 0.5	< 0.2	1	< 0.5	2.2	1768	< 0.4	4.3	8.9	0.98	4.1	0.8	0.26	0.8	0.1	0.9	0.2	0.7	0.10
A544376 Dup	425	6	41	39	< 2	< 0.5	< 0.2	1	< 0.5	2.2	1777	< 0.4	4.3	9.1	1.02	4.1	0.8	0.26	0.8	0.1	0.9	0.2	0.6	0.11
A544402 Orig	2574	31	149	439	10	0.8	< 0.2	6	< 0.5	1.4	1898	< 0.4	172	360	40.9	166	26.7	6.38	17.0	1.8	7.5	1.2	3.1	0.36
A544402 Dup	2595	31	151	433	9	0.8	< 0.2	6	< 0.5	1.4	1912	< 0.4	173	358	40.6	167	27.0	6.44	17.2	1.8	7.8	1.2	3.0	0.36
A544419 Orig	5573</																							

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Quality Control		Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Cs	Ba	Bi	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm
Analyte Symbol	Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	2	2	4	1	2	0.5	0.2	1	0.5	0.5	3	0.4	0.1	0.1	0.05	0.1	0.05	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.05
Analysis Method	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-ICP	FUS-MS																			
A544488 Orig	6911	38	132	514	6	1.0	< 0.2	3	< 0.5	1.6	2319	< 0.4	619	1130	108	397	54.7	13.0	25.0	2.6	11.0	1.5	3.1	0.33	
A544488 Dup	6814	39	149	453	5	1.2	< 0.2	2	< 0.5	1.5	2331	< 0.4	623	1130	109	394	54.5	13.3	26.0	2.7	11.0	1.5	3.2	0.36	
A544505 Orig	25	9	136	14	< 2	0.6	< 0.2	< 1	< 0.5	2.8	141	< 0.4	17.7	36.6	4.23	18.7	3.4	0.94	2.8	0.4	1.8	0.3	0.9	0.14	
A544505 Dup	25	9	134	13	< 2	0.6	< 0.2	< 1	< 0.5	2.8	142	< 0.4	18.4	37.9	4.26	18.2	3.5	0.91	2.8	0.4	1.9	0.3	1.0	0.15	
A544531 Orig	4958	33	80	375	10	0.6	< 0.2	1	< 0.5	< 0.5	908	< 0.4	298	652	71.9	297	44.3	10.8	26.7	2.6	10.0	1.5	3.0	0.30	
A544531 Dup	4857	33	68	339	10	0.9	< 0.2	1	< 0.5	< 0.5	895	< 0.4	286	633	71.4	292	44.5	11.1	27.4	2.7	10.2	1.5	3.1	0.30	
A544559 Orig	2068	27	134	348	2	0.8	< 0.2	4	< 0.5	0.8	2373	< 0.4	171	362	40.2	166	26.7	6.60	17.0	1.8	7.0	1.1	2.5	0.30	
A544559 Dup	2091	27	144	369	< 2	0.8	< 0.2	4	< 0.5	0.8	2381	< 0.4	175	371	41.5	170	26.8	6.70	17.0	1.8	7.2	1.1	2.5	0.31	
A544570 Orig	618	23	179	32	3	< 0.5	< 0.2	1	< 0.5	1.6	2006	< 0.4	101	182	19.4	69.6	10.6	2.10	7.4	0.9	5.0	0.9	2.4	0.35	
A544570 Split	620	24	174	34	3	< 0.5	< 0.2	1	< 0.5	1.6	1990	< 0.4	104	196	21.0	73.8	11.2	2.26	8.0	1.0	5.1	1.0	2.7	0.37	
A544591 Orig	244	27	210	14	< 2	< 0.5	< 0.2	< 1	< 0.5	0.8	1087	< 0.4	49.0	96.4	10.8	42.7	7.7	1.63	6.0	0.9	5.2	1.0	3.2	0.47	
A544591 Dup	243	27	215	13	< 2	< 0.5	< 0.2	< 1	< 0.5	0.8	1106	< 0.4	48.4	95.0	10.7	42.7	7.6	1.70	6.0	0.9	5.1	1.0	3.0	0.47	
A544601 Orig	278	24	125	9	< 2	< 0.5	< 0.2	< 1	< 0.5	0.6	496	< 0.4	34.2	67.2	7.74	30.9	6.4	1.51	5.3	0.8	4.7	0.9	2.8	0.40	
A544601 Split	270	23	127	9	< 2	< 0.5	< 0.2	< 1	< 0.5	0.6	493	< 0.4	35.8	72.9	8.42	33.2	6.7	1.69	5.8	0.9	4.9	0.9	2.6	0.39	
Method Blank	270	23	127	9	< 2	< 0.5	< 0.2	< 1	< 0.5	< 0.5	< 0.4	< 0.1	< 0.1	< 0.05	< 0.1	< 0.1	< 0.05	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	
Method Blank					< 1	< 2	< 0.5	< 0.2	< 1	< 0.5	< 0.5	< 0.4	< 0.1	< 0.1	< 0.05	< 0.1	< 0.1	< 0.05	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1		
Method Blank																									

Quality Control

Analyte Symbol	Yb	Lu	Hf	Ta	W	Tl	Pb	Th	U	Ta2O5	Nb2O5	ZrO2
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%
Detection Limit	0.1	0.04	0.2	0.1	1	0.1	5	0.1	0.1	0.003	0.003	0.003
Analysis Method	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-XRF	FUS-XRF	FUS-XRF	
DH-1a Meas									941			
DH-1a Cert									910			
TAN-1 Meas					2340							
TAN-1 Cert					2360							
NIST 694 Meas												
NIST 694 Cert												
DNC-1 Meas	1.9											
DNC-1 Cert	2.0											
GBW 07113 Meas												
GBW 07113 Cert												
LKSD-3 Meas	2.6	0.39		0.7			10.3	4.5				
LKSD-3 Cert	2.70	0.400		0.700			11.4	4.60				
OKA-2 Meas						28800						
OKA-2 Cert						28900.000						
MA-N (Depleted) Meas								0.035	< 0.003			
MA-N (Depleted) Cert								0.035	0.003			
OKA-1 Meas								0.528				
OKA-1 Cert								0.529				
W-2a Meas	2.1	0.30		< 1		9	2.2	0.5				
W-2a Cert	2.10	0.330		0.300		9.30	2.40	0.530				
SY-4 Meas												
SY-4 Cert												
CTA-AC-1 Meas	10.5	1.05		2.6			23.4	4.1				
CTA-AC-1 Cert	11.4	1.08		2.65			21.8	4.4				
BIR-1a Meas	1.8		0.5			< 5						
BIR-1a Cert	1.7		0.60			3						
NCS DC86312 Meas	86.8	12.1					25.8					
NCS DC86312 Cert	87.79	11.96					23.6					
ZW-C Meas												
ZW-C Cert												
VS-N Meas								0.099				
VS-N Cert								0.10				
NCS DC70014 Meas	3.3	0.49				27200						
NCS DC70014 Cert	3.3	0.50				27200.00						
NCS DC86316 Meas			712									
NCS DC86316 Cert			712									
NCS DC70009 (GBW07241) Meas	15.5	2.24		2200			29.0					
NCS DC70009 (GBW07241) Cert	14.9	2.4		2200.00			28.3					
OREAS 100a (Fusion) Meas	15.0	2.13					51.0	136				
OREAS 100a (Fusion) Cert	14.9	2.26					51.6	135				
OREAS 101a (Fusion) Meas	17.9	2.45					35.6	422				
OREAS 101a (Fusion) Cert	17.5	2.66					36.6	422				
JR-1 Meas	4.6	0.70	4.2	1.9		1.6	18	27.1	8.9			
JR-1 Cert	4.55	0.71	4.51	1.86		1.56	19.3	26.7	8.88			
NCS DC86318 Meas	1770	260										
NCS DC86318 Cert	1840	260.0										
SX18-01 Meas								0.005	0.690	0.088		
SX18-01 Cert								0.005	0.695	0.093		
SX18-01 Meas									0.693			
SX18-01 Cert									0.695			
SX18-04 Meas								0.004	1.321	0.152		
SX18-04 Cert								0.005	1.32	0.146		
SX18-04 Meas									1.316			

Quality Control

Analyte Symbol	Yb	Lu	Hf	Ta	W	Tl	Pb	Th	U	Ta2O5	Nb2O5	ZrO2
Unit Symbol	ppm	%	%	%								
Detection Limit	0.1	0.04	0.2	0.1	1	0.1	5	0.1	0.1	0.003	0.003	0.003
Analysis Method	FUS-MS	FUS-XRF	FUS-XRF	FUS-XRF								
SX18-04 Cert										1.32		
SX18-05 Meas										0.003	0.982	0.215
SX18-05 Cert										0.004	0.973	0.218
SX18-05 Meas											0.978	
SX18-05 Cert											0.973	
SARM 3 Meas												
SARM 3 Cert												
USZ 42-2006 Meas												
USZ 42-2006 Cert												
A544015 Orig	1.5	0.20	3.5	1.6	< 1	0.2	69	10.0	5.6	< 0.003	0.180	0.022
A544015 Dup	1.5	0.20	3.4	1.6	< 1	0.2	70	10.4	5.4	< 0.003	0.179	0.022
A544032 Orig	0.9	0.15	7.8	0.4	< 1	0.1	10	11.6	1.0	< 0.003	0.009	0.038
A544032 Dup	1.0	0.17	7.3	0.4	< 1	< 0.1	10	11.4	1.0	< 0.003	0.008	0.037
A544058 Orig	2.5	0.34	5.7	7.1	< 1	< 0.1	56	45.0	33.5	0.005	0.270	0.062
A544058 Dup	2.5	0.32	6.1	5.6	< 1	< 0.1	52	41.2	30.4	0.005	0.275	0.062
A544075 Orig	0.4	0.06	0.5	1.1	< 1	0.2	46	0.2	0.3	< 0.003	< 0.003	< 0.003
A544075 Dup	0.4	0.06	0.6	1.1	< 1	0.1	42	0.2	0.4	< 0.003	< 0.003	< 0.003
A544129 Orig	1.3	0.18	5.0	0.7	< 1	< 0.1	23	9.7	0.6	< 0.003	0.160	0.028
A544129 Dup	1.3	0.19	4.6	1.0	< 1	< 0.1	23	10.2	0.7	< 0.003	0.155	0.027
A544161 Orig	1.6	0.22	5.5	16.0	< 1	0.1	40	38.8	24.0	0.003	0.194	0.040
A544161 Dup	1.6	0.22	4.9	15.9	< 1	0.2	38	44.0	25.2	0.004	0.193	0.037
A544187 Orig	1.5	0.23	3.3	9.3	< 1	0.2	23	14.8	14.1	0.003	0.099	0.028
A544187 Dup	1.5	0.20	3.3	9.4	< 1	0.2	21	14.8	14.6	0.003	0.099	0.027
A544204 Orig	2.4	0.37	5.7	1.2	< 1	0.4	31	39.8	2.6	< 0.003	0.016	0.032
A544204 Dup	2.6	0.38	5.8	1.2	< 1	0.4	29	41.0	2.7	< 0.003	0.016	0.031
A544215 Orig	2.8	0.38	4.1	5.5	< 1	< 0.1	21	20.6	31.7	0.004	0.064	0.034
A544215 Dup	2.8	0.41	4.6	6.6	< 1	< 0.1	23	21.5	33.8	0.003	0.062	0.031
A544230 Orig	1.4	0.19	2.8	5.0	1	0.1	35	23.6	35.2	0.005	0.263	0.029
A544230 Dup	1.5	0.20	2.7	5.2	1	0.1	37	21.2	32.0	0.006	0.263	0.027
A544247 Orig	2.2	0.31	5.3	14.0	< 1	0.3	108	14.5	7.5	< 0.003	0.086	0.032
A544247 Dup	2.1	0.31	5.8	15.0	< 1	0.3	117	16.7	8.0	0.003	0.083	0.033
A544258 Orig	2.6	0.34	4.5	1.9	< 1	< 0.1	41	14.5	7.3	< 0.003	0.058	0.034
A544258 Dup	2.6	0.32	5.1	1.4	< 1	< 0.1	48	14.1	8.0	< 0.003	0.063	0.035
A544273 Orig	1.9	0.29	7.9	10.6	< 1	0.3	17	19.1	5.6	< 0.003	0.081	0.046
A544273 Dup	1.8	0.25	6.7	10.4	< 1	0.3	16	17.4	5.3	< 0.003	0.078	0.043
A544290 Orig	2.6	0.38	9.0	1.4	1	0.3	23	36.3	1.9	< 0.003	0.015	0.050
A544290 Dup	2.4	0.41	9.1	1.4	< 1	0.3	25	34.2	1.8	< 0.003	0.015	0.051
A544316 Orig	1.2	0.20	7.8	0.6	< 1	0.2	16	14.2	1.4	< 0.003	0.011	0.042
A544316 Dup	1.2	0.20	8.1	0.6	< 1	0.1	16	14.1	1.4	< 0.003	0.013	0.042
A544333 Orig	2.1	0.30	4.8	4.2	5	0.4	16	20.7	4.2	< 0.003	0.019	0.034
A544333 Dup	2.2	0.31	4.9	4.3	5	0.4	18	21.8	4.0	< 0.003	0.016	0.034
A544344 Orig	3.1	0.45	6.1	39.7	1	< 0.1	43	71.1	36.0			
A544344 Dup	3.1	0.42	6.8	37.0	< 1	< 0.1	41	66.7	34.6			
A544359 Orig	0.2	< 0.04	1.1	< 0.1	< 1	0.3	56	1.3	0.5	< 0.003	< 0.003	0.005
A544359 Dup	0.2	< 0.04	0.9	< 0.1	< 1	0.3	52	1.4	0.5	< 0.003	< 0.003	0.004
A544376 Orig	0.7	0.11	1.5	2.1	< 1	0.3	74	2.7	2.0	< 0.003	0.006	0.006
A544376 Dup	0.7	0.11	1.7	2.2	< 1	0.3	71	2.6	2.1	< 0.003	0.008	0.005
A544402 Orig	2.1	0.33	4.2	10.7	< 1	0.3	12	12.8	5.4	< 0.003	0.066	0.024
A544402 Dup	2.1	0.30	4.1	12.0	< 1	0.2	12	12.9	5.5	< 0.003	0.063	0.022
A544419 Orig	0.7	0.11	6.4	0.3	< 1	0.1	15	7.8	1.3	< 0.003	0.006	0.036
A544419 Dup	0.7	0.12	6.3	0.3	< 1	0.1	16	7.7	1.2	< 0.003	0.006	0.036
A544430 Orig	1.8	0.26	3.1	26.7	< 1	0.1	16	22.3	23.3	0.005	0.094	0.022
A544430 Dup	1.9	0.26	2.9	23.2	< 1	0.1	18	22.9	23.5	0.005	0.094	0.021
A544445 Orig	2.7	0.33	3.3	14.0	< 1	< 0.1	38	34.2	22.4			
A544445 Dup	2.6	0.34	3.6	12.0	< 1	< 0.1	38	36.0	20.8			
A544462 Orig	3.1	0.39	3.2	31.8	2	< 0.1	54	16.0	87.0	0.006	0.069	0.026
A544462 Dup	3.0	0.41	3.3	31.0	2	< 0.1	55	18.0	81.5	0.008	0.071	0.026

Quality Control												
Analyte Symbol	Yb	Lu	Hf	Ta	W	Tl	Pb	Th	U	Ta2O5	Nb2O5	ZrO2
Unit Symbol	ppm	%	%	%								
Detection Limit	0.1	0.04	0.2	0.1	1	0.1	5	0.1	0.1	0.003	0.003	0.003
Analysis Method	FUS-MS	FUS-XRF	FUS-XRF	FUS-XRF								
A544488 Orig	2.0	0.28	3.3	7.7	< 1	0.3	30	36.4	14.2	0.003	0.159	0.033
A544488 Dup	2.0	0.28	4.0	7.5	2	0.2	26	33.4	14.4	0.004	0.156	0.035
A544505 Orig	1.0	0.16	3.1	0.7	6	0.4	< 5	4.3	0.9	< 0.003	< 0.003	0.015
A544505 Dup	1.1	0.17	3.0	0.7	7	0.5	< 5	4.6	1.0	< 0.003	< 0.003	0.015
A544531 Orig	1.7	0.22	1.6	3.5	< 1	< 0.1	28	13.7	11.1	< 0.003	0.147	0.024
A544531 Dup	1.6	0.22	2.6	2.9	< 1	< 0.1	26	13.8	11.7	< 0.003	0.160	0.022
A544559 Orig	1.8	0.24	3.5	12.5	< 1	0.2	9	14.1	9.0	0.003	0.050	0.020
A544559 Dup	1.8	0.25	3.5	13.1	< 1	0.2	10	13.6	8.3	< 0.003	0.050	0.022
A544570 Orig	2.3	0.34	4.5	0.9	< 1	0.4	22	16.2	1.7	< 0.003	0.004	0.021
A544570 Split	2.3	0.39	4.4	0.9	< 1	0.4	27	17.4	1.6	< 0.003	< 0.003	0.022
A544591 Orig	3.1	0.50	5.1	0.6	< 1	0.2	13	9.6	1.2	< 0.003	< 0.003	0.026
A544591 Dup	3.0	0.50	5.3	0.5	< 1	0.3	16	9.8	1.2	< 0.003	< 0.003	0.028
A544601 Orig	2.6	0.41	2.9	0.3	< 1	0.1	10	6.0	0.8	< 0.003	< 0.003	0.015
A544601 Split	2.6	0.43	2.8	0.4	< 1	0.1	12	6.7	0.7	< 0.003	< 0.003	0.014
Method Blank	< 0.1	< 0.04	< 0.2	< 0.1	< 1	< 0.1	< 5	< 0.1	< 0.1	< 0.003		
Method Blank										< 0.003		
Method Blank										< 0.003		

Drill Holes	From (m)	To (m)	Interval	Missing	Sample	Nb2O5%	Nb2O5 (ppm)	Nd2O3 (% of TREO)	TREO (ppm)	TREO%	MHREO%
MC-11-04	0	16.51	16.51	missing							
MC-11-04	16.51	17.39	0.88		A544001	0.022	220	18.92351959	1712.15507	0.171215507	9.04830834
MC-11-04	17.39	18.39	1		A544002	0.012	120	13.87252468	987.56357	0.098756357	10.82386727
MC-11-04	18.39	19.39	1		A544003	0.017	170	14.80390598	1114.57071	0.111457071	7.90732335
MC-11-04	19.39	20.26	0.87		A544004	0.011	110	13.31382564	2673.91214	0.267391214	3.284443744
MC-11-04	20.26	21.26	1		A544005	0.012	120	11.51970325	8680.77917	0.868077917	2.721865922
MC-11-04	21.26	22.17	0.91		A544006	0.013	130	18.55486065	1239.56738	0.123956738	9.875734226
MC-11-04	22.17	23.11	0.94		A544007	0.022	220	11.29121285	12044.76453	1.204476453	2.552847997
MC-11-04	23.11	23.91	0.8		A544008	0.026	260	10.98189302	21125.68384	2.112568384	2.132114839
MC-11-04	23.91	24.57	0.66		A544009	0.027	270	9.158787159	38760.59066	3.876059066	1.108834135
MC-11-04	24.57	25.57	1		A544010	0.022	220	9.864881319	16219.15103	1.621915103	1.833332888
MC-11-04	25.57	26.32	0.75		A544011	0.022	220	13.08532106	878.84737	0.087884737	5.206406887
MC-11-04	26.32	27.2	0.88		A544012	0.067	670	12.44646279	5045.61023	0.504561023	5.139759478
MC-11-04	27.2	28.04	0.84		A544013	0.031	310	10.24568709	3074.46438	0.307446438	2.911674
MC-11-04	28.04	29.04	1		A544014	0.234	2340	9.544272485	11734.78651	1.173478651	2.036990701
MC-11-04	29.04	30.04	1		A544015	0.18	1800	12.83146032	3639.49222	0.363949222	4.395591756
MC-11-04	30.04	31.04	1		A544016	0.197	1970	15.20174722	2164.22491	0.216422491	5.59691876
MC-11-04	31.04	32.04	1		A544017	0.056	560	14.91666133	3646.92868	0.364692868	6.212698407
MC-11-04	32.04	33.04	1		A544018	0.019	190	12.60490972	2427.62548	0.242762548	3.190915594
MC-11-04	33.04	34.04	1		A544019	0.046	460	13.18576551	2752.96872	0.275296872	4.187868869
MC-11-04	34.04	35.04	1		A544020	0.026	260	10.39273389	8169.16905	0.816916905	2.367254843
MC-11-04	35.04	35.67	0.63		A544021	0.038	380	11.31924561	3312.94163	0.331294163	2.875047032
MC-11-04	35.67	36.67	1		A544022	0.054	540	13.92459836	2628.44206	0.262844206	4.999009185
MC-11-04	36.67	37.67	1		A544023	0.036	360	10.62954687	3838.35741	0.383835741	2.772003715
MC-11-04	37.67	38.67	1		A544024	0.15	1500	9.32779277	17260.24623	1.726024623	1.691958655
MC-11-04	38.67	39.67	1		A544025	0.025	250	9.203539324	5324.03875	0.532403875	1.738694145
MC-11-04	39.67	41.12	1.45		A544026	0.02	200	11.68422527	1489.18731	0.148918731	3.706539106
MC-11-04	41.12	41.45	0.33		A544027	0.012	120	11.19280872	4333.13936	0.433313936	3.638455792
MC-11-04	41.45	42.45	1		A544028	0.013	130	11.61442257	1704.77696	0.170477696	3.609854042
MC-11-04	42.45	43.54	1.09		A544029	0.007	70	10.14433189	5589.32817	0.558932817	2.282495608
MC-11-04	43.54	44.54	1		A544030	0.011	110	11.30941908	1794.96399	0.179496399	3.421795108
MC-11-04	44.54	45.98	1.44		A544031	0.017	170	10.21663861	4433.94366	0.443394366	2.306201157

Drill Holes	From (m)	To (m)	Interval	Missing	Sample	Nb2O5%	Nb2O5 (ppm)	Nd2O3 (% of TREO)	TREO (ppm)	TREO%	MHREO%
MC-11-04	45.98	47	1.02		A544032	0.009	90	12.91027528	1525.91634	0.152591634	5.268004404
MC-11-04	47	48	1		A544033	0.018	180	12.2434924	2564.62772	0.256462772	3.494375394
MC-11-04	48	49	1		A544034	0.073	730	12.58529033	3146.53051	0.314653051	4.708440281
MC-11-04	49	50	1		A544035	0.079	790	11.86643543	4516.94195	0.451694195	3.986014255
MC-11-04	50	51	1		A544036	0.018	180	10.14751453	6070.45201	0.607045201	2.850957552
MC-11-04	51	51.54	0.54		A544037	0.014	140	13.28681189	2310.5618	0.23105618	3.648281556
MC-11-04	51.54	52	0.46		A544038	0.137	1370	13.44752481	3182.74185	0.318274185	5.873201749
MC-11-04	52	53	1		A544039	0.082	820	17.70000696	1355.93167	0.135593167	11.98855913
MC-11-04	53	54	1		A544040	0.068	680	13.83947092	4111.42885	0.411142885	5.583043228
MC-11-04	54	55	1		A544041	0.142	1420	16.70570211	2316.57429	0.231657429	8.759714328
MC-11-04	55	56	1		A544042	0.083	830	15.08512173	2366.57023	0.236657023	8.434409741
MC-11-04	56	57	1		A544043	0.089	890	14.12851641	3765.43428	0.376543428	6.392284717
MC-11-04	57	58	1		A544044	0.077	770	13.90411761	3790.24412	0.379024412	5.613098082
MC-11-04	58	59	1		A544045	0.09	900	14.13760589	2574.69336	0.257469336	5.474763022
MC-11-04	59	60	1		A544046	0.08	800	13.65970881	3221.15212	0.322115212	4.417708779
MC-11-04	60	61	1		A544047	0.082	820	13.77062897	3768.89103	0.376889103	5.015667168
MC-11-04	61	62	1		A544048	0.094	940	13.11378638	4529.58423	0.452958423	4.213857615
MC-11-04	62	63	1		A544051	0.082	820	17.40181765	2620.41592	0.262041592	8.715254638
MC-11-04	63	64	1		A544052	0.079	790	18.20699502	1609.2716	0.16092716	12.67962474
MC-11-04	64	65	1		A544053	0.087	870	18.89322719	1376.15452	0.137615452	13.16287651
MC-11-04	65	66	1		A544054	0.092	920	14.13368935	2667.38564	0.266738564	6.783295122
MC-11-04	66	66.19	0.19		A544055	0.116	1160	14.68539071	2689.74798	0.268974798	7.806864493
MC-11-04	66.19	66.91	0.72		A544056	0.004	40	14.75911169	290.6679	0.02906679	23.41988916
MC-11-04	66.91	67.91	1		A544057	0.175	1750	17.28415914	1793.54979	0.179354979	9.550322548
MC-11-04	67.91	68.91	1		A544058	0.273	2730	17.3408349	2260.56013	0.226056013	9.455051744
MC-11-04	68.91	69.91	1		A544059	0.197	1970	17.53689432	1551.01579	0.155101579	9.339349795
MC-11-04	69.91	70.69	0.78		A544060	0.273	2730	17.13128308	1967.16147	0.196716147	10.56250202
MC-11-04	70.69	71.04	0.35		A544061	0.008	80	15.89448114	249.77223	0.024977223	11.86129859
MC-11-04	71.04	71.82	0.78		A544062	0.092	920	16.68785093	1719.81402	0.171981402	10.52235985
MC-11-04	71.82	72.01	0.19		A544063	0.01	100	15.4664814	413.79806	0.041379806	11.55263029
MC-11-04	72.01	72.53	0.52		A544064	0.077	770	18.07866074	1598.56974	0.159856974	11.484625
MC-11-04	72.53	72.77	0.24		A544065	0	0	15.53527966	228.51214	0.022851214	11.09010664

Drill Holes	From (m)	To (m)	Interval	Missing	Sample	Nb2O5%	Nb2O5 (ppm)	Nd2O3 (% of TREO)	TREO (ppm)	TREO%	MHREO%
MC-11-04	72.77	73.39	0.62		A544066	0.126	1260	17.18198846	1629.61348	0.162961348	8.766586786
MC-11-04	73.39	73.58	0.19		A544067	0.013	130	16.35315666	536.8994	0.05368994	9.535939135
MC-11-04	73.58	73.95	0.37		A544068	0.092	920	17.92825465	2024.73697	0.202473697	10.79369682
MC-11-04	73.95	74.38	0.43		A544069	0.003	30	16.12541813	59.53334	0.005953334	17.14709774
MC-11-04	74.38	75.38	1		A544070	0.119	1190	17.60112961	2107.81926	0.210781926	8.886685095
MC-11-04	75.38	76.38	1		A544071	0.173	1730	16.57442025	1894.48557	0.189448557	7.963669525
MC-11-04	76.38	77.38	1		A544072	0	0	15.01717748	55.27004	0.005527004	20.91447736
MC-11-04	77.38	78.38	1		A544073	0	0	17.72246119	7.89958	0.000789958	10.37498196
MC-11-04	78.38	79.38	1		A544074	0	0	9.465195425	9.50852	0.000950852	42.88175237
MC-11-04	79.38	80.38	1		A544075	0	0	12.28205494	16.28392	0.001628392	38.05361363
MC-11-04	80.38	80.7	0.32		A544076	0.003	30	11.50250042	18.2569	0.00182569	51.42548845
MC-11-04	80.7	81.7	1		A544077	0.173	1730	15.79097057	2216.45654	0.221645654	8.750568148
MC-11-04	81.7	82.7	1		A544078	0.178	1780	17.37705013	1933.5848	0.19335848	9.561608056
MC-11-04	82.7	83.7	1		A544079	0.269	2690	18.42139972	1845.67951	0.184567951	10.40660141
MC-11-04	83.7	84.7	1		A544080	0.111	1110	19.78764814	2678.43857	0.267843857	7.958912046
MC-11-04	84.7	85.7	1		A544081	0.133	1330	16.59726082	2446.18678	0.244618678	7.662856391
MC-11-04	85.7	86.7	1		A544082	0.517	5170	17.54736872	3083.08333	0.308308333	9.360477779
MC-11-04	86.7	87.7	1		A544083	0.143	1430	17.50796093	2690.20477	0.269020477	8.386676454
MC-11-04	87.7	88.7	1		A544084	0.068	680	20.02850431	2296.72667	0.229672667	9.628079514
MC-11-04	88.7	89.04	0.34		A544085	0.101	1010	17.99048914	1934.35541	0.193435541	9.612060381
MC-11-04	89.04	90.04	1		A544086	0	0	15.39792751	26.62696	0.002662696	19.1300847
MC-11-04	90.04	91.04	1		A544087	0	0	10.74155886	13.03349	0.001303349	41.8137429
MC-11-04	91.04	92.04	1		A544088	0	0	13.12508203	13.7142	0.00137142	28.57184524
MC-11-04	92.04	92.92	0.88		A544089	0	0	12.85315741	14.78236	0.001478236	35.64018195
MC-11-04	92.92	93.52	0.6		A544090	0.045	450	17.1635357	1794.50205	0.179450205	9.129777812
MC-11-04	93.52	94.52	1		A544091	0	0	13.51112072	28.12498	0.002812498	23.68030128
MC-11-04	94.52	95.52	1		A544092	0	0	17.245627	4.059	0.0004059	19.85957132
MC-11-04	95.52	96.19	0.67		A544093	0	0	12.48724517	22.42288	0.002242288	24.98778034
MC-11-04	96.19	97.19	1		A544094	0.124	1240	17.2464802	1408.98315	0.140898315	11.5368413
MC-11-04	97.19	98.19	1		A544095	0.085	850	17.53508535	1271.73604	0.127173604	11.44207881
MC-11-04	98.19	98.82	0.63		A544096	0.116	1160	18.08111628	1869.35361	0.186935361	11.88815261
MC-11-04	98.82	99.82	1		A544097	0.003	30	12.31805989	21.10722	0.002110722	27.13583314

Drill Holes	From (m)	To (m)	Interval	Missing	Sample	Nb2O5%	Nb2O5 (ppm)	Nd2O3 (% of TREO)	TREO (ppm)	TREO%	MHREO%
MC-11-04	99.82	100.82	1		A544098	0	0	8.853474989	9.036	0.0009036	57.39486498
MC-11-04	100.82	101.82	1		A544101	0	0	13.05150778	3.06478	0.000306478	22.85580042
MC-11-04	101.82	102.82	1		A544102	0	0	12.51021668	2.39804	0.000239804	27.76183884
MC-11-04	102.82	103.82	1		A544103	0	0	11.39104538	41.26048	0.004126048	15.4459667
MC-11-04	103.82	104.82	1		A544104	0	0	7.792802143	14.11559	0.001411559	55.14250556
MC-11-04	104.82	105.82	1		A544105	0.003	30	7.07454233	14.13519	0.001413519	63.07513376
MC-11-04	105.82	106.82	1		A544106	0	0	9.267774911	18.34313	0.001834313	50.68180839
MC-11-04	106.82	107.06	0.24		A544107	0.005	50	15.75661183	128.20015	0.012820015	11.99487676
MC-11-04	107.06	108	0.94		A544108	0.131	1310	18.42466638	1655.38954	0.165538954	11.41529141
MC-11-04	108	109	1		A544109	0.129	1290	18.12158232	1296.79625	0.129679625	11.58819283
MC-11-04	109	110	1		A544110	0.129	1290	17.73358824	1787.56829	0.178756829	10.47911238
MC-11-04	110	111	1		A544111	0.175	1750	17.28939642	2336.69233	0.233669233	8.447467707
MC-11-04	111	112	1		A544112	0.114	1140	15.14414598	2311.12405	0.231112405	6.488576414
MC-11-04	112	113	1		A544113	0.172	1720	18.08185168	1686.77415	0.168677415	10.21536582
MC-11-04	113	114	1		A544114	0.123	1230	16.73428788	1338.56906	0.133856906	10.47925462
MC-11-04	114	115	1		A544115	0.135	1350	18.89883073	1460.40781	0.146040781	10.01410763
MC-11-04	115	116	1		A544116	0.217	2170	17.45820402	1466.35931	0.146635931	10.8650253
MC-11-04	116	117	1		A544117	0.184	1840	17.46981478	1402.41899	0.140241899	10.69744428
MC-11-04	117	118	1		A544118	0.109	1090	14.81010939	1809.57475	0.180957475	8.384773826
MC-11-04	118	119	1		A544119	0.068	680	14.36636385	2032.52544	0.203252544	7.661672368
MC-11-04	119	120	1		A544120	0.086	860	11.92736309	4544.17289	0.454417289	4.715289123
MC-11-04	120	121	1		A544121	0.105	1050	15.42774878	1938.0663	0.19380663	8.194213996
MC-11-04	121	122	1		A544122	0.161	1610	17.95048142	1270.16092	0.127016092	10.31018337
MC-11-04	122	122.71	0.71		A544123	0.041	410	16.99283476	765.02833	0.076502833	11.52131582
MC-11-04	122.71	123.71	1		A544124	0.052	520	16.26460258	965.28642	0.096528642	12.49944239
MC-11-04	123.71	124.71	1		A544125	0.045	450	17.19614211	1151.42105	0.115142105	12.31895578
MC-11-04	124.71	125.71	1		A544126	0.044	440	16.66709065	1277.96749	0.127796749	10.1446626
MC-11-04	125.71	126.71	1		A544127	0.049	490	16.09023756	957.10209	0.095710209	12.63095037
MC-11-03	0	2.72	2.72	missing							
MC-11-03	2.72	3.23	0.51		A544128	0.169	1690	17.02231623	1386.41532	0.138641532	9.425481536
MC-11-03	3.23	4.16	0.93		A544129	0.157	1570	15.90058445	1553.40202	0.155340202	8.386304274
MC-11-03	4.16	4.82	0.66		A544130	0.053	530	10.06394071	10433.28881	1.043328881	2.069518193

Drill Holes	From (m)	To (m)	Interval	Missing	Sample	Nb2O5%	Nb2O5 (ppm)	Nd2O3 (% of TREO)	TREO (ppm)	TREO%	MHREO%
MC-11-03	4.82	6.1	1.28	missing							
MC-11-03	6.1	7.16	1.06		A544131	0.165	1650	16.64980629	1909.93213	0.190993213	9.941511901
MC-11-03	7.16	7.9	0.74		A544132	0.108	1080	16.24635843	2966.8187	0.29668187	7.412171832
MC-11-03	7.9	8.9	1		A544133	0.104	1040	15.23657086	3530.97823	0.353097823	7.214862664
MC-11-03	8.9	9.9	1		A544134	0.09	900	14.58055359	3552.67718	0.355267718	6.128369367
MC-11-03	9.9	10.9	1		A544135	0.077	770	12.12273268	7349.82799	0.734982799	3.528000796
MC-11-03	10.9	11.9	1		A544136	0.081	810	14.76548152	3332.09587	0.333209587	6.379944584
MC-11-03	11.9	12.9	1		A544137	0.043	430	17.87749188	1761.99213	0.176199213	11.23269092
MC-11-03	12.9	13.9	1		A544138	0.196	1960	18.42526574	1986.40283	0.198640283	10.64380431
MC-11-03	13.9	14.9	1		A544139	0.162	1620	17.1524441	1912.26392	0.191226392	9.695310258
MC-11-03	14.9	15.25	0.35		A544140	0.048	480	15.37556638	3206.38595	0.320638595	7.169441034
MC-11-03	15.25	15.45	0.2		A544141	0	0	13.62272464	128.46182	0.012846182	12.82460423
MC-11-03	15.45	16.45	1		A544142	0.107	1070	17.17738254	1956.06053	0.195606053	8.941059201
MC-11-03	16.45	17.68	1.23		A544143	0.072	720	18.18560745	1545.17797	0.154517797	11.85106011
MC-11-03	17.68	18.71	1.03		A544144	0.12	1200	18.06320739	1743.87634	0.174387634	12.62155664
MC-11-03	18.71	19.71	1		A544145	0	0	13.11435508	38.12616	0.003812616	29.7372198
MC-11-03	19.71	20.13	0.42		A544146	0	0	13.2422398	40.7786	0.00407786	23.70973991
MC-11-03	20.13	21.13	1		A544147	0.083	830	18.13848649	1620.86291	0.162086291	12.67546495
MC-11-03	21.13	22.13	1		A544148	0.05	500	18.39359197	978.60168	0.097860168	12.18643728
MC-11-03	22.13	23.13	1		A544151	0.144	1440	18.49906648	1929.82711	0.192982711	9.956700733
MC-11-03	23.13	24.13	1		A544152	0.069	690	18.21841673	1674.13011	0.167413011	12.04309682
MC-11-03	24.13	25.13	1		A544153	0.138	1380	18.28916256	1558.29989	0.155829989	12.27863078
MC-11-03	25.13	26.13	1		A544154	0.183	1830	15.96007696	1842.09638	0.184209638	9.516677949
MC-11-03	26.13	27.07	0.94		A544155	0.371	3710	15.64167415	3286.09326	0.328609326	7.640904872
MC-11-03	27.07	28.07	1		A544156	0.022	220	16.80145638	520.193	0.0520193	16.67258114
MC-11-03	28.07	29.07	1		A544157	0.018	180	17.66579526	792.49192	0.079249192	13.94133078
MC-11-03	29.07	30.07	1		A544158	0.148	1480	18.98215571	1933.39474	0.193339474	11.58717024
MC-11-03	30.07	31.07	1		A544159	0.298	2980	18.85165243	1909.64692	0.190964692	10.46109194
MC-11-03	31.07	32.07	1		A544160	0.142	1420	18.79519382	1500.38357	0.150038357	10.71143228
MC-11-03	32.07	33.07	1		A544161	0.194	1940	16.32336909	1868.48682	0.186848682	8.215515269
MC-11-03	33.07	34.07	1		A544162	0.142	1420	16.44908141	2036.58789	0.203658789	7.666003062
MC-11-03	34.07	35.07	1		A544163	0.157	1570	18.21083914	1993.31836	0.199331836	9.351058202

Drill Holes	From (m)	To (m)	Interval	Missing	Sample	Nb2O5%	Nb2O5 (ppm)	Nd2O3 (% of TREO)	TREO (ppm)	TREO%	MHREO%
MC-11-03	35.07	36.07	1		A544164	0.323	3230	17.84471561	2196.72876	0.219672876	9.89260777
MC-11-03	36.07	37.07	1		A544165	1.095	10950	18.75933767	2867.90509	0.286790509	9.586164164
MC-11-03	37.07	38.07	1		A544166	1.357	13570	17.2836006	2944.98821	0.294498821	8.682792316
MC-11-03	38.07	38.42	0.35		A544167	0.107	1070	14.36525376	2582.62058	0.258262058	7.218736714
MC-11-03	38.42	38.68	0.26		A544168	0.052	520	17.63099317	298.33827	0.029833827	11.03913688
MC-11-03	38.68	39.68	1		A544169	0.128	1280	16.3711279	2693.76675	0.269376675	8.716409838
MC-11-03	39.68	40.68	1		A544170	0.178	1780	17.69693949	1604.79726	0.160479726	10.33565199
MC-11-03	40.68	41.68	1		A544171	0.138	1380	16.27516459	2562.18607	0.256218607	7.771608484
MC-11-03	41.68	42.68	1		A544172	0.152	1520	18.91022348	1739.79964	0.173979964	12.10487893
MC-11-03	42.68	43.36	0.68		A544173	0.004	40	13.88913079	45.35921	0.004535921	17.60570786
MC-11-03	43.36	44.36	1		A544197	0	0	10.52458016	11.40188	0.001140188	41.38773606
MC-11-03	44.36	45.36	1		A544198	0	0	13.34449823	11.98996	0.001198996	14.57519458
MC-11-03	45.36	46.36	1		A544201						
MC-11-03	46.36	46.69	0.33	missing							
MC-11-03	46.69	47.69	1		A544174	0.111	1110	16.97687856	1466.70072	0.146670072	9.500010336
MC-11-03	47.69	48.69	1		A544175	0.11	1100	20.31186797	1339.11859	0.133911859	10.90953341
MC-11-03	48.69	49.69	1		A544176	0.139	1390	19.55979423	1063.40587	0.106340587	11.94584999
MC-11-03	49.69	50.69	1		A544177	0.165	1650	18.28467729	1761.03737	0.176103737	9.163653921
MC-11-03	50.69	51.69	1		A544178	0.103	1030	16.34772556	2043.09767	0.204309767	7.362382729
MC-11-03	51.69	52.69	1		A544179	0.072	720	16.0928095	1677.76795	0.167776795	10.0251021
MC-11-03	52.69	53.69	1		A544180	0.118	1180	17.6038505	1442.86615	0.144286615	11.58119553
MC-11-03	53.69	54.69	1		A544181	0.192	1920	18.03387476	2462.03329	0.246203329	9.739319569
MC-11-03	54.69	55.69	1		A544182	0.12	1200	18.1341983	1648.81841	0.164881841	10.76124629
MC-11-03	55.69	56.69	1		A544183	0.069	690	17.82881468	1654.62486	0.165462486	8.666125082
MC-11-03	56.69	57.69	1		A544184	0.131	1310	19.02034632	1740.24171	0.174024171	11.38799908
MC-11-03	57.69	58.69	1		A544185	0.212	2120	19.03024521	1350.48181	0.135048181	10.93104764
MC-11-03	58.69	59.69	1		A544186	0.24	2400	18.15761998	1723.7942	0.17237942	10.10005719
MC-11-03	59.69	60.69	1		A544187	0.099	990	17.17293533	1519.83336	0.151983336	8.589649592
MC-11-03	60.69	61.69	1		A544188	0.229	2290	18.52169082	1392.96138	0.139296138	10.64432813
MC-11-03	61.69	62.69	1		A544189	0.209	2090	18.60425306	1564.15847	0.156415847	11.70319207
MC-11-03	62.69	63.69	1		A544190	0.289	2890	18.3399974	1270.44729	0.127044729	10.44476942
MC-11-03	63.69	64.69	1		A544191	0.148	1480	18.05811286	1467.48446	0.146748446	11.54407182

Drill Holes	From (m)	To (m)	Interval	Missing	Sample	Nb2O5%	Nb2O5 (ppm)	Nd2O3 (% of TREO)	TREO (ppm)	TREO%	MHREO%
MC-11-03	64.69	65.36	0.67		A544192	0.055	550	16.2182763	1374.99199	0.137499199	9.782965354
MC-11-03	65.36	66.36	1		A544193	0.037	370	16.75444714	1026.59311	0.102659311	12.30235317
MC-11-03	66.36	67.36	1		A544194	0.071	710	16.46355589	1208.73037	0.120873037	10.62233342
MC-11-03	67.36	68.37	1.01		A544195	0.05	500	17.23660118	1084.90066	0.108490066	11.45152405
MC-11-03	68.37	69.37	1		A544196	0.048	480	15.92435211	948.23324	0.094823324	12.94884368
MC-11-08	0	46	46	missing							
MC-11-08	46	47	1		A544202	0.013	130	15.6662346	1340.4625	0.13404625	8.083515951
MC-11-08	47	48	1		A544203	0.013	130	13.59997526	2860.29932	0.286029932	4.473563977
MC-11-08	48	49	1		A544204	0.016	160	13.12401765	3946.96208	0.394696208	4.045467799
MC-11-08	49	50	1		A544205	0.019	190	13.3367426	4558.83433	0.455883433	4.136941954
MC-11-08	50	51	1		A544206	0.016	160	11.76473015	5754.48813	0.575448813	2.801745809
MC-11-08	51	52	1		A544207	0.019	190	13.65016856	3706.91393	0.370691393	4.279676653
MC-11-08	52	53	1		A544208	0.018	180	13.62496807	2928.44723	0.292844723	3.737790761
MC-11-08	53	54	1		A544209	0.016	160	11.85320195	4049.5387	0.40495387	3.574449109
MC-11-08	54	55	1		A544210	0.02	200	13.18758394	3040.73894	0.304073894	4.326446387
MC-11-08	55	56	1		A544211	0.017	170	14.25292124	3367.73067	0.336773067	4.516740942
MC-11-08	56	57	1		A544212	0.016	160	14.57617385	3094.09043	0.309409043	4.208552819
MC-11-08	57	58	1		A544213	0.02	200	13.02820439	9364.2989	0.93642989	2.770937822
MC-11-08	58	58.9	0.9		A544214	0.029	290	10.92751779	6872.55802	0.687255802	2.627871885
MC-11-08	58.9	59.9	1		A544215	0.063	630	15.23338961	2829.31121	0.282931121	7.786036729
MC-11-08	59.9	60.9	1		A544216	0.059	590	13.9046699	4070.57488	0.407057488	5.528773862
MC-11-08	60.9	61.9	1		A544217	0.071	710	14.6897181	2457.50121	0.245750121	6.069791925
MC-11-08	61.9	62.9	1		A544218	0.044	440	15.04314122	2665.66666	0.266566666	7.791434057
MC-11-08	62.9	63.9	1		A544219	0.094	940	13.96042159	3774.95763	0.377495763	5.293188681
MC-11-08	63.9	64.9	1		A544220	0.077	770	13.54412347	4991.09449	0.499109449	5.380753471
MC-11-08	64.9	65.47	0.57		A544221	0.079	790	15.43833841	3154.48455	0.315448455	7.497755854
MC-11-08	65.47	66.47	1		A544222	0.003	30	13.90762191	305.58783	0.030558783	26.35498606
MC-11-08	66.47	67.47	1		A544223	0.003	30	13.27030251	353.42073	0.035342073	27.61066958
MC-11-08	67.47	68.06	0.59		A544224	0.004	40	13.55470163	407.97652	0.040797652	28.88933902
MC-11-08	68.06	69.19	1.13		A544225	0	0	13.05386744	45.96339	0.004596339	27.53210762
MC-11-08	69.19	70.19	1		A544226	0	0	7.151564405	15.38125	0.001538125	63.09792767
MC-11-08	70.19	71.05	0.86		A544227	0	0	15.38539205	20.79895	0.002079895	13.00426223

Drill Holes	From (m)	To (m)	Interval	Missing	Sample	Nb2O5%	Nb2O5 (ppm)	Nd2O3 (% of TREO)	TREO (ppm)	TREO%	MHREO%
MC-11-08	71.05	71.3	0.25		A544228	0.009	90	13.60767521	346.86307	0.034686307	27.05274159
MC-11-08	71.3	72.3	1		A544229	0.124	1240	18.04771382	1357.51266	0.135751266	10.47081653
MC-11-08	72.3	73.3	1		A544230	0.263	2630	17.55366678	1674.86374	0.167486374	9.479919841
MC-11-08	73.3	74.3	1		A544231	0.148	1480	18.13108768	1169.26245	0.116926245	10.05791728
MC-11-08	74.3	75.46	1.16		A544232	0.06	600	19.53052058	3189.87913	0.318987913	8.336871686
MC-11-08	75.46	76.46	1		A544233	0.069	690	19.75028591	3802.4766	0.38024766	6.023879279
MC-11-08	76.46	76.81	0.35		A544234	0.09	900	17.11207628	1513.55099	0.151355099	9.703801918
MC-11-08	76.81	77.81	1		A544235	0	0	13.17601175	37.94775	0.003794775	29.49964095
MC-11-08	77.81	78.29	0.48		A544236	0	0	12.4977055	12.80235	0.001280235	38.11683011
MC-11-08	78.29	78.58	0.29		A544237	0.109	1090	16.94343702	1682.06722	0.168206722	9.272531927
MC-11-08	78.58	78.75	0.17		A544238	0	0	17.31627562	95.86357	0.009586357	25.32001468
MC-11-08	78.75	79.75	1		A544239	0.051	510	17.33978074	1182.25255	0.118225255	9.764034766
MC-11-08	79.75	80.75	1		A544240	0.039	390	16.99014647	1165.38136	0.116538136	10.44296435
MC-11-08	80.75	81.75	1		A544241	0.037	370	17.3696136	1375.96613	0.137596613	9.607804082
MC-11-08	81.75	82.28	0.53		A544242	0.047	470	16.08057471	1026.08273	0.102608273	9.546279957
MC-11-08	82.28	82.8	0.52		A544243	0.062	620	18.10941623	1695.25067	0.169525067	8.929987327
MC-11-08	82.8	83.49	0.69		A544244	0	0	17.48349099	98.95049	0.009895049	12.42630532
MC-11-08	83.49	84.49	1		A544245	0.046	460	18.07021451	1361.35628	0.136135628	9.37265886
MC-11-08	84.49	84.88	0.39		A544246	0.044	440	18.65764346	2915.69512	0.291569512	8.980915673
MC-11-08	84.88	85.88	1		A544247	0.084	840	17.33925588	2249.23147	0.224923147	7.280463224
MC-11-08	85.88	86.88	1		A544248	0.057	570	17.73544996	2255.3699	0.22553699	7.899586671
MC-11-08	86.88	88.2	1.32		A544251	0.091	910	18.33336706	2214.54138	0.221454138	9.536709583
MC-11-08	88.2	89.2	1		A544252	0.068	680	16.66921168	1493.7719	0.14937719	10.74694871
MC-11-08	89.2	90.2	1		A544253	0.025	250	15.80304316	1379.48114	0.137948114	10.67511079
MC-11-08	90.2	91.2	1		A544254	0.071	710	18.26846737	1357.53041	0.135753041	15.41066104
MC-11-08	91.2	92.2	1		A544255	0.054	540	18.90126071	1555.4518	0.15554518	13.02559166
MC-11-08	92.2	93.2	1		A544256	0.089	890	20.57907496	1603.57062	0.160357062	13.59544864
MC-11-08	93.2	94.2	1		A544257	0.054	540	19.44820056	1722.5244	0.17225244	13.18491628
MC-11-08	94.2	95.2	1		A544258	0.06	600	18.07095104	1931.27633	0.193127633	10.49861829
MC-11-08	95.2	96.2	1		A544259	0.092	920	19.56707333	1722.28107	0.172228107	13.31461362
MC-11-08	96.2	97.2	1		A544260	0.115	1150	19.07492828	1399.74314	0.139974314	12.41171577
MC-11-08	97.2	97.87	0.67		A544261	0.114	1140	19.57485808	1808.44223	0.180844223	9.912024118

Drill Holes	From (m)	To (m)	Interval	Missing	Sample	Nb2O5%	Nb2O5 (ppm)	Nd2O3 (% of TREO)	TREO (ppm)	TREO%	MHREO%
MC-11-08	97.87	98.87	1		A544262	0.052	520	16.36443005	1399.37657	0.139937657	10.91325761
MC-11-08	98.87	99.87	1		A544263	0.069	690	18.66021009	1532.67299	0.153267299	11.14797423
MC-11-08	99.87	100.87	1		A544264	0.045	450	20.51565432	1413.55472	0.141355472	10.11306587
MC-11-08	100.87	101.87	1		A544265	0.036	360	17.71068481	1134.90812	0.113490812	12.3143114
MC-11-08	101.87	102.87	1		A544266	0.108	1080	17.3320352	1788.59549	0.178859549	9.350548569
MC-11-08	102.87	103.87	1		A544267	0.106	1060	19.43022426	1718.97141	0.171897141	9.107796039
MC-11-08	103.87	104.87	1		A544268	0.084	840	15.92449711	2530.69216	0.253069216	7.034840618
MC-11-08	104.87	105.87	1		A544269	0.114	1140	16.97139821	1950.34019	0.195034019	8.327121126
MC-11-08	105.87	106.87	1		A544270	0.094	940	13.99765796	2371.82535	0.237182535	6.627189055
MC-11-08	106.87	107.15	0.28		A544271	0.047	470	15.09000088	1749.50288	0.174950288	8.037762133
MC-11-08	107.15	107.81	0.66		A544272	0.004	40	14.02412106	186.10792	0.018610792	14.19150781
MC-11-08	107.81	108.81	1		A544273	0.08	800	16.3879533	1702.47007	0.170247007	9.536853121
MC-11-08	108.81	109.81	1		A544274	0.113	1130	13.12233381	3261.61494	0.326161494	5.562702629
MC-11-08	109.81	110.81	1		A544275	0.088	880	16.16340265	2437.60555	0.243760555	8.529868584
MC-11-08	110.81	111.81	1		A544276	0.123	1230	14.99215282	2101.09918	0.210109918	7.485566674
MC-11-08	111.81	112.81	1		A544277	0.033	330	11.45174977	2523.63181	0.252363181	4.744068034
MC-11-08	112.81	113.81	1		A544278	0.098	980	15.48263282	2338.10363	0.233810363	6.903869783
MC-11-08	113.81	114.81	1		A544279	0.106	1060	17.85257122	1333.1413	0.13331413	10.08665023
MC-11-08	114.81	115.81	1		A544280	0.166	1660	18.04260434	1518.62777	0.151862777	9.50316943
MC-11-08	115.81	116.81	1		A544281	0.122	1220	18.63335657	1084.07736	0.108407736	9.944803201
MC-11-08	116.81	117.81	1		A544282	0.076	760	15.60120854	1628.079	0.1628079	8.322139159
MC-11-08	117.81	118.81	1		A544283	0.059	590	13.95371535	2407.96083	0.240796083	6.716049031
MC-11-08	118.81	119.81	1		A544284	0.108	1080	14.84426056	1704.36243	0.170436243	7.736349246
MC-11-08	119.81	120.81	1		A544285	0.047	470	12.8103101	2295.02641	0.229502641	5.896594889
MC-11-08	120.81	121.81	1		A544286	0.035	350	13.35801289	1938.91114	0.193891114	6.618154765
MC-11-08	121.81	122.81	1		A544287	0.029	290	15.35446659	1335.11639	0.133511639	8.701667575
MC-11-08	122.81	123.81	1		A544288	0.121	1210	15.69874999	1528.78414	0.152878414	9.85117101
MC-11-08	123.81	124.81	1		A544289	0.111	1110	15.53943791	1447.92882	0.144792882	10.13598307
MC-11-08	124.81	125.81	1		A544290	0.015	150	13.68735795	1000.92363	0.100092363	9.220246903
MC-11-08	125.81	126.81	1		A544291	0.013	130	16.89704896	798.95608	0.079895608	11.32253478
MC-11-08	126.81	127.81	1		A544292	0.023	230	15.84515781	1041.32759	0.104132759	10.93868933
MC-11-08	127.81	128.81	1		A544293	0.018	180	15.4144465	960.13827	0.096013827	11.97569908

Drill Holes	From (m)	To (m)	Interval	Missing	Sample	Nb2O5%	Nb2O5 (ppm)	Nd2O3 (% of TREO)	TREO (ppm)	TREO%	MHREO%
MC-11-08	128.81	129.81	1		A544294	0.007	70	14.66614443	681.84246	0.068184246	12.99984457
MC-11-08	129.81	130.81	1		A544295	0.006	60	16.01576305	497.01035	0.049701035	18.24956965
MC-11-08	130.81	131.81	1		A544296	0.01	100	15.77311365	653.00994	0.065300994	18.88913666
MC-11-08	131.81	132.81	1		A544297	0.012	120	16.71241325	616.30836	0.061630836	18.08808175
MC-11-08	132.81	133.81	1		A544298	0.007	70	15.55617803	489.19471	0.048919471	17.48919362
MC-11-08	133.81	134.81	1		A544301	0.004	40	15.1235411	370.28365	0.037028365	19.68948669
MC-11-08	134.81	135.81	1		A544302	0.003	30	15.86592103	392.03523	0.039203523	18.62700707
MC-11-08	135.81	136.81	1		A544303	0	0	14.79974595	381.76331	0.038176331	20.29537883
MC-11-08	136.81	137.81	1		A544304	0.004	40	14.98282207	491.22922	0.049122922	20.02228613
MC-11-08	137.81	138.81	1		A544305	0.004	40	14.40776833	427.54713	0.042754713	20.99998426
MC-11-08	138.81	139.81	1		A544306	0.003	30	14.77671676	425.66966	0.042566966	19.69021236
MC-11-08	139.81	140.81	1		A544307	0.003	30	14.81102593	376.07118	0.037607118	20.58290667
MC-11-08	140.81	141.81	1		A544308	0.003	30	14.80571254	297.18259	0.029718259	24.74868733
MC-11-08	141.81	142.81	1		A544309	0	0	14.70960331	398.3792	0.03983792	20.475567
MC-11-08	142.81	143.81	1		A544310	0.006	60	15.57293484	410.96942	0.041096942	24.00385897
MC-11-08	143.81	144.81	1		A544311	0.005	50	15.44029212	406.0804	0.04060804	22.22084592
MC-11-08	144.81	145.81	1		A544312	0.013	130	16.16210515	546.33972	0.054633972	20.25696027
MC-11-08	145.81	146.81	1		A544313	0.007	70	15.54212543	472.26488	0.047226488	20.25913509
MC-11-08	146.81	147.81	1		A544314	0.012	120	19.1554876	678.6567	0.06786567	18.06232813
MC-11-08	147.81	148.46	0.65		A544315	0.009	90	14.69548491	566.16029	0.056616029	20.31180781
MC-11-05	0	18.92	18.92	missing							
MC-11-05	18.92	20	1.08		A544316	0.012	120	12.01237231	6127.01622	0.612701622	2.696258898
MC-11-05	20	21	1		A544317	0.013	130	10.42999986	4918.50438	0.491850438	2.483404925
MC-11-05	21	22	1		A544318	0.03	300	13.61849659	2562.6911	0.25626911	4.800192267
MC-11-05	22	23	1		A544319	0.042	420	13.47260265	4074.93648	0.407493648	3.9328829
MC-11-05	23	24	1		A544320	0.617	6170	13.98167733	4312.78727	0.431278727	5.733606935
MC-11-05	24	25	1		A544321	0.029	290	13.66840348	2253.37217	0.225337217	5.484276927
MC-11-05	25	26	1		A544322	0.051	510	11.89500985	4270.69844	0.427069844	4.155302522
MC-11-05	26	27	1		A544323	0.03	300	11.25582579	5454.95294	0.545495294	3.62292658
MC-11-05	27	27.75	0.75		A544324	0.071	710	13.02237678	1796.907	0.1796907	5.144562295
MC-11-05	27.75	28.75	1		A544325	0.139	1390	17.18681913	1762.97893	0.176297893	9.189782546
MC-11-05	28.75	29.75	1		A544326	0.065	650	16.05633704	2223.42119	0.222342119	8.458954644

Drill Holes	From (m)	To (m)	Interval	Missing	Sample	Nb2O5%	Nb2O5 (ppm)	Nd2O3 (% of TREO)	TREO (ppm)	TREO%	MHREO%
MC-11-05	29.75	30.75	1		A544327	0.127	1270	15.29395403	3203.88043	0.320388043	6.330742811
MC-11-05	30.75	31.75	1		A544328	0.127	1270	17.99535574	1600.41293	0.160041293	10.27047001
MC-11-05	31.75	32.75	1		A544329	0.1	1000	17.79578692	1590.26404	0.159026404	10.6820651
MC-11-05	32.75	33.54	0.79		A544330	0.086	860	15.94348194	2496.31794	0.249631794	7.868786938
MC-11-05	33.54	34.54	1		A544331	0.016	160	20.03690727	558.9685	0.05589685	15.16963836
MC-11-05	34.54	35.54	1		A544332	0.01	100	16.04509823	332.18868	0.033218868	21.65416353
MC-11-05	35.54	36	0.46		A544333	0.018	180	16.76508404	594.68834	0.059468834	16.36888324
MC-11-05	36	36.66	0.66		A544334	0.003	30	13.89228478	10.79736	0.001079736	16.20266435
MC-11-05	36.66	37.66	1		A544335	0.01	100	17.04645755	437.04095	0.043704095	18.0962562
MC-11-05	37.66	38.22	0.56		A544336	0.007	70	15.43881463	299.89349	0.029989349	27.34833957
MC-11-05	38.22	39.22	1		A544337	0.099	990	17.15107947	2168.95969	0.216895969	10.87718186
MC-11-05	39.22	40.22	1		A544338	0.321	3210	16.74314701	2729.47493	0.272947493	7.29799449
MC-11-05	40.22	41.22	1		A544339	0.311	3110	17.85469763	3702.10694	0.370210694	9.251432915
MC-11-05	41.22	42.22	1		A544340	0.089	890	16.82509802	2240.70017	0.224070017	9.01446667
MC-11-05	42.22	43.22	1		A544341	0.233	2330	18.40528233	1695.16552	0.169516552	11.37945043
MC-11-05	43.22	44.22	1		A544342	0.287	2870	18.3607358	2156.77631	0.215677631	10.45000861
MC-11-05	44.22	45.22	1		A544343	0.265	2650	17.98304744	2196.51314	0.219651314	10.97913487
MC-11-05	45.22	46.22	1		A544344	0.329	3290	18.66509271	1768.00622	0.176800622	12.81818002
MC-11-05	46.22	46.63	0.41		A544345	0.075	750	17.26638081	1210.44475	0.121044475	9.747223076
MC-11-05	46.63	47.78	1.15		A544346	0.061	610	11.20402852	2909.66771	0.290966771	4.577282469
MC-11-05	47.78	48.78	1		A544347	0.14	1400	15.03019092	1763.11799	0.176311799	8.026348254
MC-11-05	48.78	50.1	1.32		A544348	0.188	1880	19.09367637	1293.62201	0.129362201	11.45844836
MC-11-05	50.1	50.6	0.5		A544351	0.008	80	13.74831748	75.64562	0.007564562	18.0086038
MC-11-05	50.6	51.7	1.1		A544352	0.159	1590	17.74805778	1448.04577	0.144804577	9.389673505
MC-11-05	51.7	52.7	1		A544353	0	0	13.67559782	81.16647	0.008116647	13.21108335
MC-11-05	52.7	53.7	1		A544354	0.006	60	12.62849494	41.17672	0.004117672	23.47739208
MC-11-05	53.7	54.7	1		A544355	0	0	11.32280114	16.7803	0.00167803	33.66626342
MC-11-05	54.7	55.7	1		A544356	0	0	16.76526505	8.94707	0.000894707	18.51745879
MC-11-05	55.7	56.7	1		A544357	0	0	14.08408827	25.56076	0.002556076	6.849796328
MC-11-05	56.7	57.7	1		A544358	0	0	17.08525542	1.1706	0.00011706	0
MC-11-05	57.7	58.7	1		A544359	0	0	11.71650869	29.87238	0.002987238	6.012175796
MC-11-05	58.7	59.7	1		A544360	0	0	11.41063391	52.58253	0.005258253	15.25911743

Drill Holes	From (m)	To (m)	Interval	Missing	Sample	Nb2O5%	Nb2O5 (ppm)	Nd2O3 (% of TREO)	TREO (ppm)	TREO%	MHREO%
MC-11-05	59.7	60.7	1		A544361	0	0	12.80918162	3.12276	0.000312276	24.66279829
MC-11-05	60.7	61.7	1		A544362	0.003	30	11.51609575	57.31109	0.005731109	13.65091817
MC-11-05	61.7	62.7	1		A544363	0.021	210	17.43165713	160.05363	0.016005363	14.48047757
MC-11-05	62.7	63.7	1		A544364	0.037	370	18.11558856	601.69174	0.060169174	11.93862824
MC-11-05	63.7	64.73	1.03		A544365	0.016	160	16.29877216	111.05131	0.011105131	16.80377296
MC-11-05	64.73	65.73	1		A544366	0.102	1020	18.02789853	1780.57359	0.178057359	9.090474604
MC-11-05	65.73	66.24	0.51		A544367	0.077	770	17.15758101	1404.62691	0.140462691	9.951817739
MC-11-05	66.24	67.24	1		A544368	0.004	40	11.58207184	58.71143	0.005871143	31.60037151
MC-11-05	67.24	68.24	1		A544369	0	0	9.164584661	14.18504	0.001418504	51.32266106
MC-11-05	68.24	68.8	0.56		A544370	0.009	90	14.40443051	40.95962	0.004095962	28.37677693
MC-11-05	68.8	69.84	1.04		A544371	0.068	680	17.14638715	1557.17935	0.155717935	9.236402345
MC-11-05	69.84	70.84	1		A544372	0	0	14.14434432	54.43872	0.005443872	21.50697151
MC-11-05	70.84	71.84	1		A544373	0	0	16.24225171	6.77246	0.000677246	21.2073604
MC-11-05	71.84	72.34	0.5		A544374	0	0	12.20579393	18.84351	0.001884351	34.97442886
MC-11-05	72.34	73.28	0.94		A544375	0.089	890	17.55553974	1315.82397	0.131582397	11.97264783
MC-11-05	73.28	73.63	0.35		A544376	0.007	70	11.87560048	34.52457	0.003452457	37.62847734
MC-11-05	73.63	74.63	1		A544377	0.126	1260	17.08448863	1410.63631	0.141063631	12.09583993
MC-11-05	74.63	75.63	1		A544378	0.166	1660	18.21710798	1333.91096	0.133391096	10.66899998
MC-11-05	75.63	76.63	1		A544379	0.33	3300	18.72629546	1687.4667	0.16874667	11.9583219
MC-11-05	76.63	77.63	1		A544380	0.274	2740	18.28710078	1263.18547	0.126318547	11.91404379
MC-11-05	77.63	78.63	1		A544381	0.196	1960	18.31395701	1201.26961	0.120126961	11.0154797
MC-11-05	78.63	79.63	1		A544382	0.081	810	16.48996031	1085.50898	0.108550898	10.38296155
MC-11-05	79.63	80.63	1		A544383	0.079	790	16.72657948	1279.40085	0.127940085	9.68600654
MC-11-05	80.63	81.63	1		A544384	0.052	520	17.16997544	1141.52755	0.114152755	11.12715589
MC-11-05	81.63	82.63	1		A544385	0.246	2460	18.20870269	1477.31557	0.147731557	11.83231082
MC-11-05	82.63	83.63	1		A544386	0.189	1890	18.49778032	1632.62832	0.163262832	11.9802724
MC-11-05	83.63	84.63	1		A544387	0.155	1550	19.08698315	1446.01165	0.144601165	11.49884581
MC-11-05	84.63	85.63	1		A544388	0.223	2230	19.23805412	1767.33051	0.176733051	10.45393088
MC-11-05	85.63	86.63	1		A544389	0.125	1250	18.35701197	2064.60616	0.206460616	9.860532432
MC-11-05	86.63	87.63	1		A544390	0.097	970	16.52435689	2081.77542	0.208177542	8.380222877
MC-11-05	87.63	88.63	1		A544391	0.177	1770	16.26208261	2053.85748	0.205385748	9.46961909
MC-11-05	88.63	89.63	1		A544392	0.109	1090	16.36728374	2113.97325	0.211397325	8.860625365

Drill Holes	From (m)	To (m)	Interval	Missing	Sample	Nb2O5%	Nb2O5 (ppm)	Nd2O3 (% of TREO)	TREO (ppm)	TREO%	MHREO%
MC-11-05	89.63	90.63	1		A544393	0.183	1830	13.7598223	2441.892	0.2441892	6.842767821
MC-11-05	90.63	91.63	1		A544394	0.126	1260	14.78483383	2076.45215	0.207645215	7.532085437
MC-11-05	91.63	92.63	1		A544395	0.205	2050	17.20015643	1709.28678	0.170928678	8.339020793
MC-11-05	92.63	93.63	1		A544396	0.169	1690	16.77746742	1537.77679	0.153777679	9.318633948
MC-11-05	93.63	94.63	1		A544397	0.265	2650	24.38870564	1697.50706	0.169750706	10.43683789
MC-11-05	94.63	95.63	1		A544398	0.167	1670	19.69806137	1127.01446	0.112701446	10.83983075
MC-11-05	95.63	96.63	1		A544401	0.189	1890	20.21268062	1217.05777	0.121705777	10.99863731
MC-11-05	96.63	97.63	1		A544402	0.065	650	17.0044066	982.09837	0.098209837	11.84426872
MC-11-05	97.63	98.63	1		A544403	0.07	700	16.51874027	1083.61774	0.108361774	12.21590743
MC-11-05	98.63	99.18	0.55		A544404	0.151	1510	17.1729337	1583.88779	0.158388779	10.11635995
MC-11-06	0	63.83	63.83	missing							
MC-11-06	63.83	65	1.17		A544405	0.034	340	11.32172789	3444.70388	0.344470388	3.190517497
MC-11-06	65	66	1		A544406	0.034	340	10.63216482	10722.18141	1.072218141	2.254871474
MC-11-06	66	67	1		A544407	0.021	210	10.64807829	4648.72615	0.464872615	2.768417537
MC-11-06	67	68	1		A544408	0.032	320	10.0439119	5864.24897	0.586424897	2.64850573
MC-11-06	68	69	1		A544409	0.032	320	11.4509871	3178.76526	0.317876526	4.4863728
MC-11-06	69	70	1		A544410	0.035	350	10.10120367	6811.06948	0.681106948	2.771099026
MC-11-06	70	71	1		A544411	0.037	370	11.27821842	3121.06032	0.312106032	3.618908589
MC-11-06	71	72	1		A544412	0.07	700	12.18087356	4408.55081	0.440855081	4.070925293
MC-11-06	72	73	1		A544413	0.037	370	10.57295571	5041.16365	0.504116365	2.740550785
MC-11-06	73	74	1		A544414	0.022	220	10.74796826	4465.96034	0.446596034	2.460620597
MC-11-06	74	75	1		A544415	0.013	130	11.3298506	3398.10306	0.339810306	2.552926102
MC-11-06	75	76	1		A544416	0.017	170	11.75576644	6039.5892	0.60395892	2.370015497
MC-11-06	76	77	1		A544417	0.017	170	11.80734401	6961.76887	0.696176887	2.789619616
MC-11-06	77	78	1		A544418	0.012	120	10.6971526	6955.12187	0.695512187	1.97980528
MC-11-06	78	79	1		A544419	0.006	60	10.5237837	6119.47203	0.611947203	2.025632757
MC-11-06	79	80	1		A544420	0.017	170	9.801266584	9641.61103	0.964161103	1.88423936
MC-11-06	80	81	1		A544421	0.018	180	10.49943219	10286.27054	1.028627054	2.346725561
MC-11-06	81	82	1		A544422	0.046	460	11.86211376	2790.39644	0.279039644	4.422469805
MC-11-06	82	83	1		A544423	0.077	770	12.81479233	3285.26588	0.328526588	5.171175978
MC-11-06	83	83.6	0.6		A544424	0.023	230	10.2123247	4347.68785	0.434768785	3.17004934
MC-11-06	83.6	84.6	1		A544425	0.129	1290	16.19843173	2092.79519	0.209279519	8.380523371

Drill Holes	From (m)	To (m)	Interval	Missing	Sample	Nb2O5%	Nb2O5 (ppm)	Nd2O3 (% of TREO)	TREO (ppm)	TREO%	MHREO%
MC-11-06	84.6	85.6	1		A544426	0.077	770	17.51598803	1661.33934	0.166133934	11.03400946
MC-11-06	85.6	86.6	1		A544427	0.073	730	15.37861417	1989.77617	0.198977617	8.806174918
MC-11-06	86.6	87.6	1		A544428	0.08	800	13.41515825	4114.74833	0.411474833	5.17177025
MC-11-06	87.6	88.6	1		A544429	0.112	1120	15.97802443	2102.88826	0.210288826	7.860487081
MC-11-06	88.6	89.6	1		A544430	0.094	940	17.18409455	1577.03974	0.157703974	9.524727639
MC-11-06	89.6	90.6	1		A544431	0.086	860	16.21891918	2848.5252	0.28485252	6.527454979
MC-11-06	90.6	91.6	1		A544432	0.099	990	18.2590955	2431.66481	0.243166481	9.388457203
MC-11-06	91.6	92.6	1		A544433	0.135	1350	19.5345942	1218.35139	0.121835139	12.17665045
MC-11-06	92.6	93.6	1		A544434	0.101	1010	19.07772613	781.01551	0.078101551	12.49290299
MC-11-06	93.6	94.6	1		A544435	0.107	1070	18.12832363	1511.44698	0.151144698	10.95142484
MC-11-06	94.6	95.6	1		A544436	0.098	980	18.61499104	1622.34835	0.162234835	11.5234407
MC-11-06	95.6	96.6	1		A544437	0.094	940	18.5929984	1452.15954	0.145215954	13.17021544
MC-11-06	96.6	97.6	1		A544438	0.101	1010	18.71395504	1410.71195	0.141071195	13.49835805
MC-11-06	97.6	98.6	1		A544439	0.108	1080	17.52287521	1500.89524	0.150089524	11.47496743
MC-11-06	98.6	99.6	1		A544440	0.07	700	17.96689597	1330.22421	0.133022421	12.21577602
MC-11-06	99.6	100.6	1		A544441	0.115	1150	17.01613026	1721.89561	0.172189561	9.95720118
MC-11-06	100.6	101.6	1		A544442	0.164	1640	15.96398043	2681.03561	0.268103561	6.971694419
MC-11-06	101.6	102.6	1		A544443	0.095	950	15.39248213	2631.15459	0.263115459	7.694781248
MC-11-06	102.6	103.6	1		A544444	0.094	940	16.87020867	1647.87529	0.164787529	10.12991038
MC-11-06	103.6	104.35	0.75		A544445	0.252	2520	16.72559418	1859.42572	0.185942572	10.56260102
MC-11-06	104.35	105.35	1		A544446	0	0	10.86204167	43.26995	0.004326995	49.29483394
MC-11-06	105.35	106.35	1		A544447	0.027	270	15.89960955	254.09429	0.025409429	9.164940306
MC-11-06	106.35	107.35	1		A544448	0	0	8.311515605	15.64095	0.001564095	58.02620685
MC-11-06	107.35	108.35	1		A544451	0	0	10.31391593	12.60433	0.001260433	46.70482287
MC-11-06	108.35	108.95	0.6		A544452	0	0	14.31989835	34.21812	0.003421812	19.51661868
MC-11-06	108.95	109.45	0.5		A544453	0.249	2490	16.42537278	2002.99868	0.200299868	10.73753478
MC-11-06	109.45	110.45	1		A544454	0.253	2530	17.54231087	1476.43034	0.147643034	10.72582537
MC-11-06	110.45	111.45	1		A544455	0.375	3750	16.23273083	1330.64487	0.133064487	8.992923108
MC-11-06	111.45	112.45	1		A544456	0.181	1810	17.35904444	2062.3255	0.20623255	9.924839702
MC-11-06	112.45	113.45	1		A544457	0.121	1210	18.8604264	1516.40262	0.151640262	10.99013005
MC-11-06	113.45	114.45	1		A544458	0.141	1410	17.89210101	1341.37405	0.134137405	8.624816471
MC-11-06	114.45	115.45	1		A544459	0.151	1510	20.73865382	1080.10868	0.108010868	9.869347592

Drill Holes	From (m)	To (m)	Interval	Missing	Sample	Nb2O5%	Nb2O5 (ppm)	Nd2O3 (% of TREO)	TREO (ppm)	TREO%	MHREO%
MC-11-06	115.45	116.45	1		A544460	0.053	530	18.99828033	1394.86309	0.139486309	12.59156481
MC-11-06	116.45	117.45	1		A544461	0.086	860	19.01069643	1683.2629	0.16832629	11.72454404
MC-11-06	117.45	117.8	0.35		A544462	0.07	700	17.2158928	2358.28606	0.235828606	10.18188862
MC-11-06	117.8	118.8	1		A544463	0.008	80	11.89263109	71.47283	0.007147283	16.20312222
MC-11-06	118.8	119.8	1		A544464	0	0	11.49178091	12.18262	0.001218262	43.90287147
MC-11-06	119.8	120.8	1		A544465	0	0	9.871880934	22.28552	0.002228552	42.91001511
MC-11-06	120.8	121.8	1		A544466	0	0	9.13934272	18.6009	0.00186009	50.16692741
MC-11-06	121.8	122.8	1		A544467	0	0	11.04909238	31.67681	0.003167681	31.82362744
MC-11-06	122.8	123.7	0.9		A544468	0	0	12.33383712	42.16044	0.004216044	26.31718265
MC-11-06	123.7	124.7	1		A544469	0.164	1640	18.3400097	1510.35907	0.151035907	11.13490648
MC-11-06	124.7	125.7	1		A544470	0.098	980	18.03938041	1574.33345	0.157433345	11.84084922
MC-11-06	125.7	126.7	1		A544471	0.141	1410	19.26998438	1323.30154	0.132330154	11.95158739
MC-11-06	126.7	127.7	1		A544472	0.115	1150	20.61285755	1324.41608	0.132441608	11.30838581
MC-11-06	127.7	128.7	1		A544473	0.423	4230	18.82153953	1923.32832	0.192332832	10.08233061
MC-11-06	128.7	129.7	1		A544474	0.136	1360	18.43843427	1887.36199	0.188736199	10.7911991
MC-11-06	129.7	130.7	1		A544475	0.174	1740	17.91263475	1926.01482	0.192601482	9.342961338
MC-11-06	130.7	131.7	1		A544476	0.121	1210	17.84123543	2247.6022	0.22476022	9.061710297
MC-11-06	131.7	132.7	1		A544477	0.131	1310	20.77859862	1891.36913	0.189136913	9.167757221
MC-11-06	132.7	133.7	1		A544478	0.115	1150	16.97351401	1667.30354	0.166730354	9.882456076
MC-11-06	133.7	134.7	1		A544479	0.159	1590	19.58833863	1286.4797	0.12864797	11.02393609
MC-11-06	134.7	135.7	1		A544480	0.161	1610	18.0679952	1317.24631	0.131724631	9.013751574
MC-11-06	135.7	136.7	1		A544481	0.111	1110	17.61302511	1226.36514	0.122636514	10.0932533
MC-11-06	136.7	137.7	1		A544482	0.217	2170	17.89367779	1425.08434	0.142508434	9.731237381
MC-11-06	137.7	138.7	1		A544483	0.14	1400	17.59666206	1454.82137	0.145482137	10.4002026
MC-11-06	138.7	139.7	1		A544484	0.125	1250	17.9495517	2022.33463	0.202233463	11.05369145
MC-11-06	139.7	140.7	1		A544485	0.081	810	19.21029225	1483.57972	0.148357972	11.46919965
MC-11-06	140.7	141.7	1		A544486	0.166	1660	16.92474076	1654.3828	0.16543828	9.573467519
MC-11-06	141.7	142.7	1		A544487	0.245	2450	17.02577321	1626.9452	0.16269452	10.77013534
MC-11-06	142.7	143.7	1		A544488	0.157	1570	14.01290278	2818.83066	0.281883066	6.39405774
MC-11-06	143.7	144.7	1		A544489	0.113	1130	14.63073508	2754.47541	0.275447541	6.675914017
MC-11-06	144.7	145.7	1		A544490	0.13	1300	19.00559111	1215.43181	0.121543181	10.38863793
MC-11-06	145.7	146.3	0.6		A544491	0.152	1520	18.89028456	1074.62648	0.107462648	10.72311935

Drill Holes	From (m)	To (m)	Interval	Missing	Sample	Nb2O5%	Nb2O5 (ppm)	Nd2O3 (% of TREO)	TREO (ppm)	TREO%	MHREO%
MC-11-06	146.3	147.3	1		A544492	0.055	550	17.05956784	1060.98819	0.106098819	10.68779003
MC-11-06	147.3	148.3	1		A544493	0.026	260	16.8981055	881.75565	0.088175565	10.78174549
MC-11-06	148.3	149.3	1		A544494	0.033	330	15.89049895	899.90881	0.089990881	10.40192172
MC-11-06	149.3	150.3	1		A544495	0.029	290	16.88662849	852.74571	0.085274571	12.95048556
MC-11-06	150.3	151.3	1		A544496	0.028	280	16.12123801	812.59268	0.081259268	11.23375613
MC-11-06	151.3	152.3	1		A544497	0.063	630	16.58005099	983.10916	0.098310916	12.89756674
MC-11-06	152.3	153.3	1		A544498	0.005	50	15.2475426	480.07736	0.048007736	17.77171079
MC-11-06	153.3	154.3	1		A544501	0.009	90	15.40678296	586.75455	0.058675455	21.81672899
MC-11-06	154.3	155.3	1		A544502	0	0	14.65400327	445.61202	0.044561202	19.73659059
MC-11-06	155.3	156.3	1		A544503	0	0	15.22384266	175.38279	0.017538279	18.80263736
MC-11-06	156.3	156.8	0.5		A544504	0	0	15.4631788	135.15979	0.013515979	18.573194
MC-11-06	156.8	157.65	0.85	missing							
MC-11-06	157.65	158.38	0.73		A544505	0	0	15.82549978	116.26805	0.011626805	21.65483123
MC-11-01	0	2	2	missing							
MC-11-01	2	3	1		A544506	0.127	1270	14.54605045	3045.50023	0.304550023	5.370192666
MC-11-01	3	4	1		A544507	0.029	290	12.76530082	4386.89231	0.438689231	4.243147469
MC-11-01	4	5	1		A544508	0.013	130	12.59601267	3405.8397	0.34058397	4.468757
MC-11-01	5	6	1		A544509	0.037	370	14.65931586	2012.37222	0.201237222	6.181223273
MC-11-01	6	7	1		A544510	0.034	340	11.74368815	4547.12347	0.454712347	3.43732628
MC-11-01	7	8	1		A544511	0.016	160	11.77558617	2972.25119	0.297225119	3.918248578
MC-11-01	8	8.25	0.25		A544512	0.018	180	12.72674728	2231.5207	0.22315207	4.55683427
MC-11-01	8.25	8.75	0.5		A544513	0.055	550	16.83673562	1562.06052	0.156206052	8.600852418
MC-11-01	8.75	9.75	1		A544514	0.017	170	12.65913088	2543.61854	0.254361854	3.728803612
MC-11-01	9.75	10.75	1		A544515	0.018	180	14.02302011	969.83388	0.096983388	4.991151681
MC-11-01	10.75	11.25	0.5		A544516	0.019	190	12.58619743	2296.16611	0.229616611	3.968271703
MC-11-01	11.25	11.44	0.19		A544517	0	0	15.66175368	1187.60647	0.118760647	7.841357584
MC-11-01	11.44	12.44	1		A544518	0.06	600	15.46873652	1939.39563	0.193939563	7.142618446
MC-11-01	12.44	13.44	1		A544519	0.079	790	13.80207074	3506.72018	0.350672018	5.224659243
MC-11-01	13.44	13.82	0.38		A544520	0.063	630	11.72171122	7976.65104	0.797665104	3.208502399
MC-11-01	13.82	14.54	0.72		A544521	0.092	920	13.83959191	2579.55583	0.257955583	5.584714559
MC-11-01	14.54	15.54	1		A544522	0.041	410	12.87208637	3433.78678	0.343378678	4.09014272
MC-11-01	15.54	16.54	1		A544523	0.045	450	14.60375199	3163.57057	0.316357057	5.684512674

Drill Holes	From (m)	To (m)	Interval	Missing	Sample	Nb2O5%	Nb2O5 (ppm)	Nd2O3 (% of TREO)	TREO (ppm)	TREO%	MHREO%
MC-11-01	16.54	17.54	1		A544524	0.018	180	17.78420166	955.90459	0.095590459	11.06193977
MC-11-01	17.54	18.7	1.16		A544525	0.021	210	15.46480314	1926.95631	0.192695631	8.585472807
MC-11-01	18.7	19.7	1		A544526	0.103	1030	15.11461297	2328.87207	0.232887207	8.196331282
MC-11-01	19.7	20.7	1		A544527	0.124	1240	17.45241573	1827.82719	0.182782719	9.840218538
MC-11-01	20.7	21.7	1		A544528	0.145	1450	17.62793086	1752.9	0.17529	9.132295054
MC-11-01	21.7	22.7	1		A544529	0.084	840	17.73102045	2239.01383	0.223901383	9.429500933
MC-11-01	22.7	23.7	1		A544530	0.131	1310	18.93106698	1685.06086	0.168506086	9.982005042
MC-11-01	23.7	24.7	1		A544531	0.153	1530	17.49594011	1680.38984	0.168038984	9.492787697
MC-11-01	24.7	25.7	1	missing							
MC-11-01	25.7	26.7	1		A544532	0.17	1700	17.98875526	1990.13214	0.199013214	8.911827332
MC-11-01	26.7	27.7	1		A544533	0.141	1410	19.32569062	1376.40618	0.137640618	10.88430016
MC-11-01	27.7	28.7	1		A544534	0.081	810	15.22329428	1793.30436	0.179330436	7.269617077
MC-11-01	28.7	29.7	1		A544535	0.135	1350	19.14324183	1467.88095	0.146788095	10.82526141
MC-11-01	29.7	30.7	1		A544536	0.103	1030	18.75379221	874.4898	0.08744898	11.51411943
MC-11-01	30.7	31.3	0.6		A544537	0.124	1240	19.56623164	1160.16208	0.116016208	10.93942667
MC-11-01	31.3	32.3	1		A544538	0	0	14.45156815	38.75012	0.003875012	17.08954708
MC-11-01	32.3	33.3	1		A544539	0.009	90	14.00777011	99.94453	0.009994453	17.0968136
MC-11-01	33.3	33.8	0.5		A544540	0.006	60	18.8941263	206.94262	0.020694262	15.16343999
MC-11-01	33.8	34.8	1		A544541	0.042	420	20.02552731	1393.22174	0.139322174	10.97641069
MC-11-01	34.8	35.8	1		A544542	0.088	880	21.05180745	1349.05281	0.134905281	9.670697028
MC-11-01	35.8	36.8	1		A544543	0.091	910	21.49632786	1376.97937	0.137697937	9.550061015
MC-11-01	36.8	37.8	1		A544544	0.055	550	19.4735052	1206.76785	0.120676785	12.54597974
MC-11-01	37.8	38.8	1		A544545	0.071	710	18.5915845	1118.78576	0.111878576	11.44390325
MC-11-01	38.8	39.8	1		A544546	0.243	2430	18.15405805	1564.38852	0.156438852	10.96476469
MC-11-01	39.8	40.8	1		A544547	0.169	1690	18.29540508	1197.02187	0.119702187	12.49023712
MC-11-01	40.8	41.8	1		A544548	0.247	2470	18.19217992	1374.21684	0.137421684	12.11605295
MC-11-01	41.8	42.8	1		A544551	0.25	2500	19.65060913	1185.71388	0.118571388	12.13833138
MC-11-01	42.8	43.8	1		A544552	0.161	1610	18.10087632	1292.75509	0.129275509	11.75482434
MC-11-01	43.8	44.8	1		A544553	0.261	2610	18.19886187	1302.27924	0.130227924	11.32139986
MC-11-01	44.8	45.8	1		A544554	0.225	2250	18.81036142	1430.0629	0.14300629	11.31376109
MC-11-01	45.8	46.8	1		A544555	0.072	720	17.33714569	888.26617	0.088826617	11.82316445
MC-11-01	46.8	47.8	1		A544556	0.046	460	17.57303897	899.10459	0.089910459	11.50740316

Drill Holes	From (m)	To (m)	Interval	Missing	Sample	Nb2O5%	Nb2O5 (ppm)	Nd2O3 (% of TREO)	TREO (ppm)	TREO%	MHREO%
MC-11-01	47.8	48.8	1		A544557	0.072	720	17.72425038	829.37217	0.082937217	13.21350944
MC-11-01	48.8	49.8	1		A544558	0.1	1000	17.02333769	1744.66374	0.174466374	12.06987542
MC-11-01	49.8	50.8	1		A544559	0.05	500	17.05893987	984.82087	0.098482087	11.13724062
MC-11-01	50.8	51.8	1		A544560	0.079	790	16.51176383	1259.70794	0.125970794	10.18815044
MC-11-01	51.8	52.8	1		A544561	0.064	640	16.93965249	903.20625	0.090320625	11.86664176
MC-11-01	52.8	53.8	1		A544562	0.047	470	16.43109983	906.81696	0.090681696	11.10201556
MC-11-01	53.8	54.8	1		A544563	0.033	330	15.89839074	1037.84089	0.103784089	10.87487409
MC-11-01	54.8	55.8	1		A544564	0.042	420	16.77824282	792.69326	0.079269326	12.26089143
MC-11-01	55.8	56.8	1		A544565	0.42	4200	18.5584544	1325.54142	0.132554142	10.22098729
MC-11-01	56.8	57.8	1		A544566	0.136	1360	16.34727608	1070.51474	0.107051474	11.39169181
MC-11-01	57.8	58.8	1		A544567	0.081	810	16.11692521	874.8567	0.08748567	12.52384533
MC-11-01	58.8	59.8	1		A544568	0.013	130	15.30160714	517.59269	0.051759269	16.31417747
MC-11-01	59.8	60.8	1		A544569	0.008	80	14.66996276	608.04517	0.060804517	13.0674453
MC-11-01	60.8	61.8	1		A544570	0.004	40	13.86868365	501.85008	0.050185008	13.23173646
MC-11-01	61.8	62.8	1		A544571	0.012	120	16.49359334	481.39904	0.048139904	16.27920571
MC-11-01	62.8	63.8	1		A544572	0.004	40	15.26935667	450.57563	0.045057563	18.83136245
MC-11-01	63.8	64.8	1		A544573	0.005	50	14.27748218	582.7358	0.05827358	19.48045752
MC-11-01	64.8	65.8	1		A544574	0	0	15.63954869	559.47906	0.055947906	15.40630672
MC-11-01	65.8	66.8	1		A544575	0.008	80	18.34945627	463.77396	0.046377396	19.64831316
MC-11-01	66.8	67.8	1		A544576	0.003	30	14.67784266	464.64594	0.046464594	17.55632256
MC-11-01	67.8	68.8	1		A544577	0.005	50	14.87210546	619.95257	0.061995257	18.74778421
MC-11-01	68.8	69.8	1		A544578	0.008	80	14.66666791	516.13632	0.051613632	21.65784807
MC-11-01	69.8	70.8	1		A544579	0	0	14.96370315	288.69859	0.028869859	23.1836567
MC-11-01	70.8	71.8	1		A544580	0.015	150	18.73868284	560.33821	0.056033821	23.83710545
MC-11-01	71.8	72.8	1		A544581	0.003	30	14.28273194	456.4953	0.04564953	19.64826363
MC-11-01	72.8	73.8	1		A544582	0.005	50	15.68352556	399.78256	0.039978256	21.90329663
MC-11-01	73.8	74.8	1		A544583	0	0	15.29856783	368.66196	0.036866196	19.14614678
MC-11-01	74.8	75.8	1		A544584	0	0	15.10451328	442.25192	0.044225192	18.89021081
MC-11-01	75.8	76.8	1		A544585	0	0	13.38713582	434.74572	0.043474572	25.02426476
MC-11-01	76.8	77.8	1		A544586	0	0	13.73524126	315.97552	0.031597552	18.43263681
MC-11-01	77.8	78.8	1		A544587	0	0	15.22563758	156.97208	0.015697208	21.93567162
MC-11-01	78.8	79.8	1		A544588	0	0	13.8511068	254.85328	0.025485328	27.3157481

Drill Holes	From (m)	To (m)	Interval	Missing	Sample	Nb2O5%	Nb2O5 (ppm)	Nd2O3 (% of TREO)	TREO (ppm)	TREO%	MHREO%
MC-11-01	79.8	80.8	1		A544589	0	0	14.08356247	342.953	0.0342953	22.87409645
MC-11-01	80.8	81.8	1		A544590	0	0	14.02166042	335.19568	0.033519568	23.4992229
MC-11-01	81.8	82.8	1		A544591	0	0	14.23927586	299.8748	0.02998748	22.80211608
MC-11-01	82.8	83.8	1		A544592	0	0	13.98901736	260.91897	0.026091897	22.38448588
MC-11-01	83.8	84.8	1		A544593	0	0	13.67170978	265.51178	0.026551178	26.07454178
MC-11-01	84.8	85.8	1		A544594	0	0	13.8340653	307.21266	0.030721266	21.59512567
MC-11-01	85.8	86.8	1		A544595	0	0	13.63397822	255.24465	0.025524465	23.78112529
MC-11-01	86.8	87.8	1		A544596	0	0	14.00959996	306.93239	0.030693239	21.14250308
MC-11-01	87.8	88.8	1		A544597	0.003	30	13.97986532	299.00145	0.029900145	21.90894058
MC-11-01	88.8	89.8	1		A544598	0	0	14.07312728	314.07376	0.031407376	20.62456921
MC-11-01	89.8	90.8	1		A544601	0	0	13.79063803	224.06505	0.022406505	26.85472366
MC-11-01	90.8	91.8	1		A544602	0	0	13.69586436	155.5214	0.01555214	38.17886156