GM 66179

LAKE SEDIMENT GEOCHEMICAL SAMPLING, TECHNICAL AND INTERPRETATION REPORT, REX PROJECT

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GEO DATA SOLUTIONS Inc.

AZIMUT EXPLORATION INC

LAKE SEDIMENT GEOCHEMICAL SAMPLING

PROJECT REX (NORTHERN QUEBEC)

TECHNICAL AND INTERPRETATION REPORT

Reference: P10-009

By

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December 2010

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1.0 INTRODUCTION

From July 20th to August 8th, 2010, **GEO DATA SOLUTIONS GDS INC.** (GDS) carried out a bottom lake sediment geochemical campaign for **Exploration Azimut inc** (Azimut) in the Lac Couture area located 130 km East of Povungnituq, Northern Quebec.

A total of 2006 bottom lake samples were collected with a density of one sample per km^2 on a 1 900 km^2 area divided in 4 blocks (A, C, E and A-West).

Purposes of this survey were to provide information on surface geochemistry and help focusing mineral exploration efforts.

Figure 1: Sample Area

During this project, the following steps were carried out by **GDS**:

- Planning and locating sampling sites on field working maps;
- Sample bottom lake sediments with respect to contract specifications;
- Plot effective sample positions on a final map at a scale of 1:50 000, in the WGS84 UTM datum;
- Digitally compile each sample position;
- Digitally compile all field information with respect to contractual specifications;
- Dry all the collected samples;
- Solve field problems and check sample description before delivering final results to **Azimut**.

Products delivered by **GDS** to **Azimut** include:

- Bottom lake sediment bag samples, including sample number and description card as described in appendix C;
- A digital database of sample numbers and description, site description and UTM co-ordinates, lake sediment analytical data;
- Final sample localisation maps at a scale 1:100 000;
- A daily report describing:
    - Number of working hours;
    - Number of collected samples with their numbers;
    - Number of flying hours;
    - Helicopter and instruments types;
    - Field difficulties encountered;
    - All written notes and explication;
    - Daily traverse numbers.

2.0 FIELD AND OFFICE CREW

2.1 Project Manager: Mr. Mouhamed Moussaoui

Mr. Mouhamed Moussaoui, ing., President of **GEO DATA SOLUTIONS GDS INC.**, acted as Project Manager on this geochemical campaign.

Mr. Moussaoui owns more than 25 years experience in sampling and compilation of bottom lake sediments and was involved in projects encompassing all phases of this geochemical survey. He acted as Project Manager in almost all geochemical inventory contracts won by SIAL Geosciences Inc., Fugro Airborne Surveys Corp., and now, by Geo Data Solutions Inc; totalling more than 100 000 bottom lake samples.

During this project, he supervised sampling, drying and compilation steps from the main office and took part directly in the field in the preparations leading to the mobilization of personnel and equipment. For the whole duration of the sampling campaign he was in contact with the Field Manager and responsible for the application and respect of contractual norms, rules and standards.

2.2 Field Operation Managers and Quality Controller: Mr. François Caty

The field operation manager and quality controller, Mr. François Caty, was responsible for all in-field aspects of this project, including traverse planning, data compilation, quality control, etc.

Mr. Caty has extensive experience in helicopter traverse planning, location of samples sites, preparation of sediment samples for drying and shipping, and filling out of the field cards with all necessary information needed. He worked as field party chiefs and quality controller on many major geochemical campaigns in Northern Quebec and Northern Ontario for private companies and governmental agencies.

He was available during the whole duration of the field work, being responsible for all field aspects of this project, managing three samplers, an Assistant Manager and two helicopter pilots. Its most important tasks included:

- Sampling logistic;
- Sampler formation and training;
- Daily traverse planning;
- Quality control and quantity of sampled material;
- Sample drying, packing and shipping;
- Information compilation and daily reports.

At the end of the field work, Mr. Caty was finally in charge of the final data compilation and production of final products (maps, database and technical part of this report, CD-ROM support).

2.3 Assistant Manager: Mr. José Martinez

The Assistant Manager, Mr. José Martinez, helped the Field Operation Manager during its daily tasks, principally during the drying of the collected samples, traverse planning, sampler formation and training, and during the digitalization of the description cards. Mr. Martinez acted also as a sampler during all the sampling campaign.

2.4 Samplers/Navigators

A team of three Samplers/Navigators, Mrs Rémi Ducharme-Moussaoui, Nicolas Bias and Marc-André Simard, completed the field crew.

A sampler team was composed of two samplers/navigators, which alternatively collected sediment samples or acted as navigator and filled description cards. Each team member was aware of the importance to maintain a constant quality of all the collected material. Sampler/Navigator major tasks included:

- Sampling bottom lake sediment;
- Numbering of collected sample and filling of information cards;
- Locating sampled sites on 1:50 000 scale maps;
- Help the pilot to move on the next sampling site;
- pH measurement of the collected samples.

2.5 Pilots

Two experienced helicopter Bell 206B pilots, Mrs Alexandre Remon and Daniel Hauver, from Héli-Inter Inc. completed the field crew. Mr. Hauver owns also a mechanical licence.

2.6 CAO Technician

Base maps and mapping of geochemical analysis results were drawn by Mr. Albert Sayegh, CAO technician. Mr. Sayegh owns more than 20 years experience in CAO and is acknowledged for its work quality by many provincial and federal governments and by our own private clientele. During his work, Mr. Sayegh uses the AutoDesk AutoCad and Geosoft Montaj software.

In this project, Mr. Sayegh was responsible producing all topographic maps needed in the field and those used during the drawing of final products.

2.7 Supervision

General survey supervision was made by Mr. François Bissonnette, P.Geo., Senior Project Geologist for the client Exploration Azimut. Mr. Bissonnette followed daily workflow and production with emphasis on the overall safety of the operations and to the quality audit of the sampling campaign and laboratory results.

Mr. Bissonnette kept an eye on some samples manipulation, mainly during their preparation for drying and pH determination, and to the sampling and bagging of control samples. It also followed the helicopter flight path through Heli-Inter GPS tracking service.

3.0 FIELD OPERATION

The base of operation was setup at the **Azimut**'s REX Camp, which is located 110 km East of Povungnituq (figure 2). This base, only accessible by air, is located at the centre-south part of the survey area. Crew and helicopter mobilization started on July 20th and the sampling phase spread from July 22nd to August 8th, 2010.

Because the base of operation was located inside and to the South of the survey area, and with a strategic setup of fuel caches positioned in the northern part, the field work was completed inside the estimated time frame, even if some bad weather days and rocky bottom lake were encountered and slow down the average production of sample/day. Cloudy days with low ceiling and moderate rain, sometime strong and abundant, was observed during more than half of the producing period. Bad weather conditions mean bad visibility forcing some flight to be shortened.

Figure 2: REX Camp Setup

After crew mobilization to REX Camp, **GDS**'s personnel begin to install working places, sample dryers and a pH-reading office.

A formation and training period followed for all the personnel present at the camp. The sampling period begin on July 22nd and ended on August 8th. During this 18-day production period, only one day was lost (July 25th) due to a series of breaks to the probe used to collect the bottom lake sediments samples. Nevertheless, the 17 production days allowed sampling of 2006 samples bringing the average production to more than 17 samples per flight hour.

Demobilization started on August 8th, after the daily sampling. All the personnel left the camp except the Field Operation Manager and one sampler, which terminated the sample drying and packing of the last collected samples. The next day, on August 9th, the last **GDS**'s personnel left the camp and some days later **Azimut** shipped all last packed samples to the laboratory.

A total of 115.1 flying hours spread in 52 flights were needed to collect 2006 bottom lake sediment samples. An average production of 17.4 samples/flight hour was obtained.

Figure 3 and appendix A present the daily statistical production while table 1 shows a Gantt diagram of the different steps needed to complete the survey.

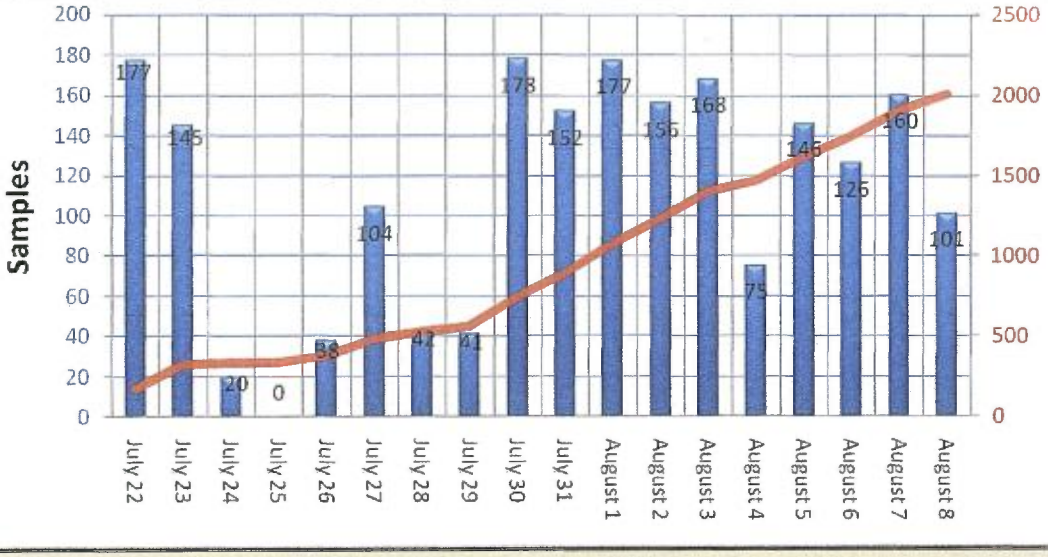


Figure 3: Daily Production and Progress

Table 1: Field Work Steps

ITEM	July 2010	August 2010
Preparation and mob. to REX Camp		
Installation and formation		
Sampling		
Compilation et drying		
Demobilization		

Two shipping were needed to send all the dry samples to the laboratory. The first shipping, included 2/3 of all samples, occurred on August 6th, while the last one was send by **Azimut,** some days after the **GDS**'s personnel demobilization.

Sample numbers included in both shipping are shown in the following table:

Table 2: Shipping List

Ship.	Box #	Début	End	Sample	Control	Total in box	Control sample
Shipping #1 (August 6th, 2010)	1	20001	20100	96	3	99	20044, 20072, 20088
	2	20101	20200	96	3	99	20129, 20163, 20192
	3	20201	20300	96	3	99	20225, 20268, 20291
	4	20301	20400	95	3	98	20319, 20352, 20373
	5	20401	20500	95	3	98	20431, 20446, 20483
	6	20501	20600	96	3	99	20529, 20572, 20590
	7	20601	20700	96	3	99	20627, 20645, 20654
	8	20701	20800	96	3	99	20717, 20747, 20779
	9	20801	20900	96	3	99	20824, 20855, 20886
	10	20901	21000	93	3	96	20928, 20956, 20979
	11	21001	21100	97	3	100	21038, 21076, 21089
	12	21101	21200	97	3	100	21122, 21147, 21180
	13	21201	21300	91	3	94	21225, 21249, 21278
	13			**1240**	**39**	**1279**	
Shipping #2	14	21301	21400	97	3	100	21312, 21343, 21365
	15	21401	21500	97	3	100	21404, 21465, 21482
	16	21501	21600	97	3	100	21508, 21536, 21569
	17	21601	21700	96	3	99	21618, 21666, 21686
	18	21701	21800	96	3	99	21724, 21747, 21777
	19	21801	21900	97	3	100	21839, 21865, 21888
	20	21901	22000	96	3	99	21939, 21969, 21989
	21	22001	22094	90	3	93	22013, 22038, 22066
	8			**766**	**24**	**790**	

4.0 WORK DESCRIPTION AND METHODOLOGY

4.1 Studied Areas

As presented in section 3.0, blocks A, C, E and A-West were considered as a single block. The sampling progressed regularly and independently of the geographic location of each block. The 4 blocks cover an area spreading approximately 100 km by 60 km (figure 5).

Block A, which represents the largest one, includes many large lakes unfavourable to the collection of good sediment samples resulting in a less sample density. On the other hand, blocks C, E and A-West were sampled as expected.

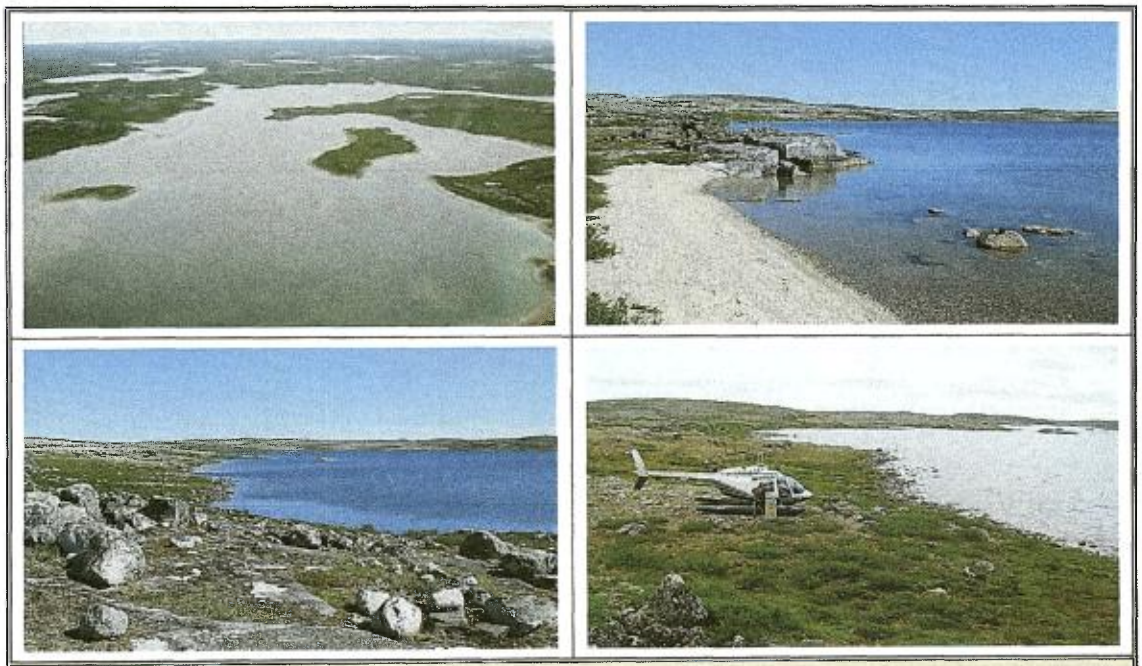


Figure 4: Field Conditions

Table 3 presents a summary of planned and effectively collected number of samples on each block, while figure 5 shows sample locations and traverses.

Table 3: Number of Samples Collected on Each Block			
Block	Surface	Samples	
		Planned	Collected
A	1700 km^2	1918	1814
C	80 km^2	98	95
E	20 km^2	22	21
A-West	100 km^2	78	76
TOTAL	**1 900 km^2**	**2 116**	**2 006**

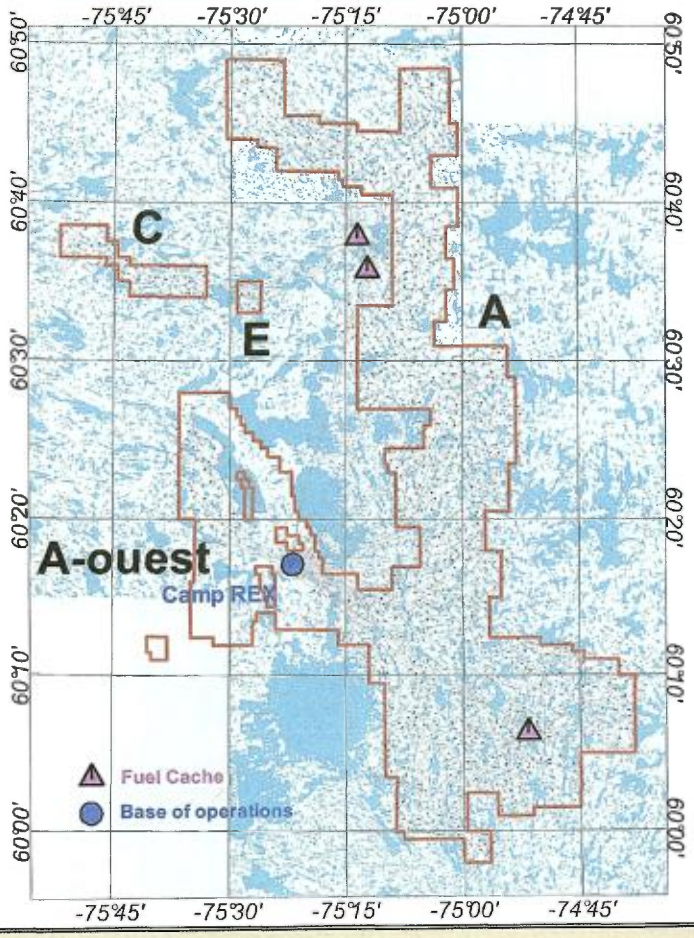


Figure 5: Studied Areas and traverses

4.2 Base of Operations

A single base of operation was needed to efficiently cover all the blocks. This base of operations, strategically located inside the limits of the studied area, was setup at REX Camp, owned by **Azimut**.

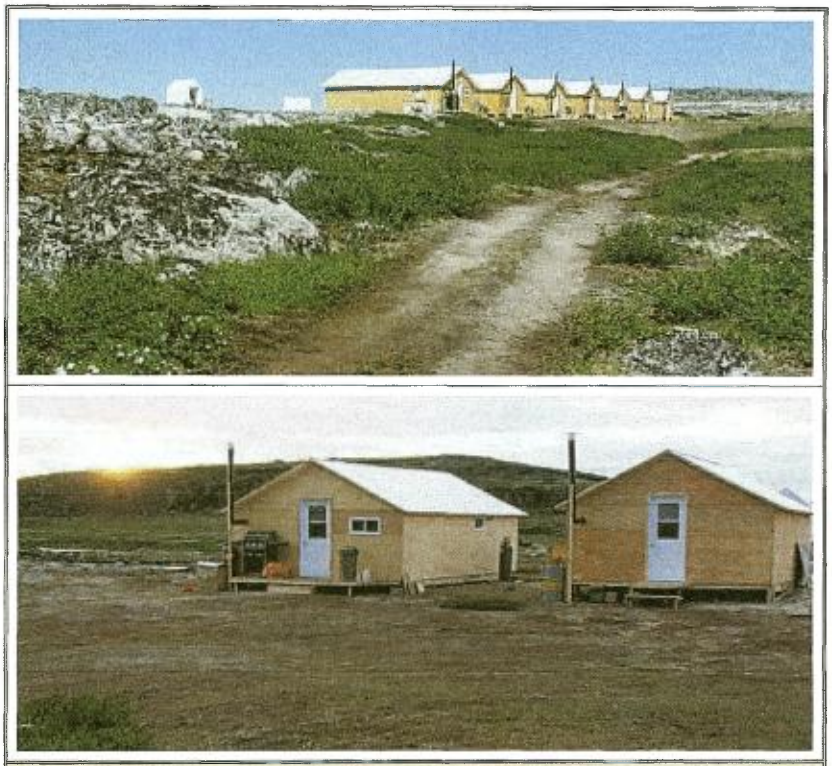


Figure 6: REX Camp

The following table presents base of operations and fuel caches co-ordinates.

Table 4: Co-ordinates of Strategic Points

Base of operations and fuel caches	Longitude	Latitude
Base of operations – REX Camp	75.21.49° O	60.17.07° N
Fuel Cache North 1	75.12.13° O	60.35.44° N
Fuel Cache North 2	75.13.31° O	60.37.49° N
Fuel Cache South	74.51.34° O	60.06.16° N

4.3 Crew Training and Formation

As explained in section 2.0, the field crew included the following personnel:

- 1 Field Operating Manager
- 1 Assistant Manager
- 3 samplers/navigators
- 2 pilots

Although some samplers were experienced and had already worked on similar projects prior to fieldwork, each followed a period of training on site in order to:

- Become familiar with the sector study
- Remember the sampling technique to use
- Receive and retain the relevant information concerning description of sites, contamination hazards and ways to avoid this, care for sampling and measurements, the determination of the pH and the preparation of the documents required.

At a particular traverse between two fuelling, the team member seated in the helicopter front seat act as navigator responsible for locating the sampling sites on 1:50 000 scale map, filling out the field cards and assisting the sampler to retrieve the sample from the probe.

The other crew member seated in the back is responsible mainly for retrieving the lake bottom sediment sample and communicating via the intercom system all the pertinent information necessary to describe the sample (lake depth, colour, nature of sample,..). Whenever a crew has done more than one traverse, members crew exchange places and responsibilities.

4.4 Helicopter and Equipment

A BELL 206B helicopters on floats with an extended range tank, rented from Héli-Inter Inc., was used during this project.

Figure 7: The Helicopter BELL 206B

A Novatel DL-V3 real-time differential GPS receiver mounted on the helicopter was used to record every sample site location. The GPS system was coupled with a Linav AGNAV navigation system (figure 8 and 9). This system provided to the pilot and navigator, an overview of the region as well as to follow azimuth and distance separating them from the next site. This helped to quickly locate each sample and record the exact position of the sampling site. In addition, the route followed by the helicopter was recorded digitally every second. Raw GPS data were also recorded allowing their post-processing to increase the accuracy of the position previously obtained.

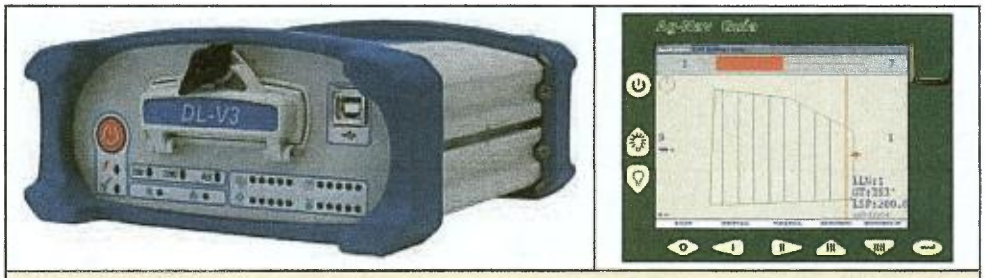


Figure 8: The GPS Novatel DL-V3 System and the AGNav Navigation

In addition to the navigation system, 1:50,000 scale topographic maps were used. All the planned traverses were plotted on these maps, allowing an autonomous navigation in case of failure of the navigation system and GPS receiver.

Sampling tools and equipment (probes, paper and polythene bags, field cards, topographic maps etc.) were maintained in good order by the crew members.

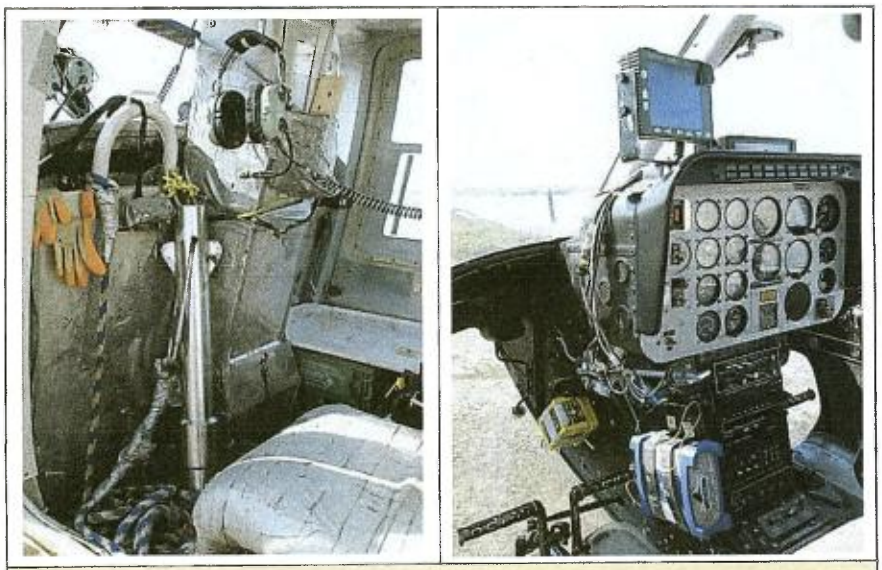


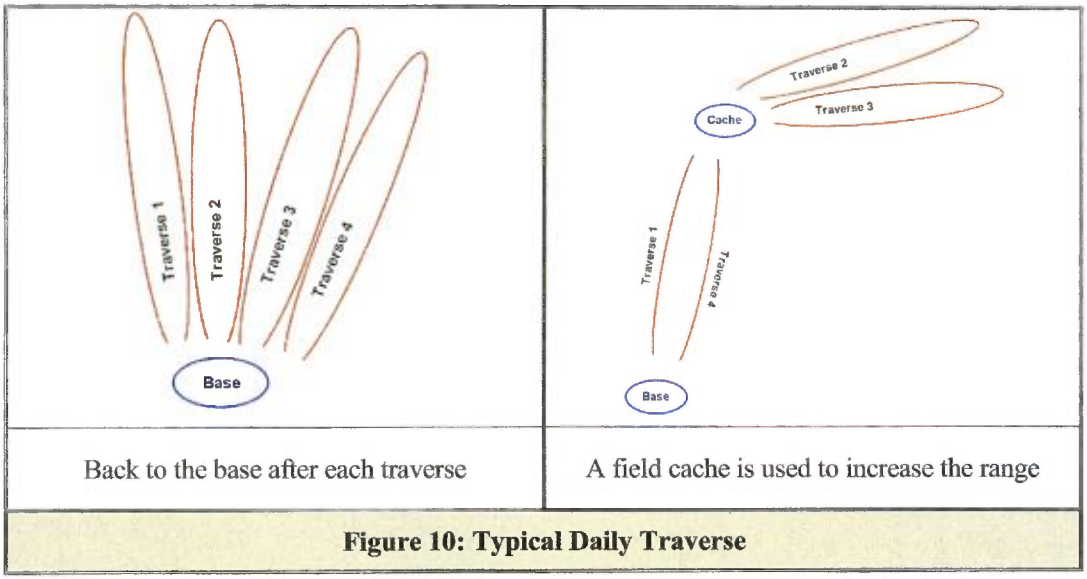
Figure 9: Probe (left) and GPS/Navigation System Installation (right)

Each sample was taken with a "gravific cylindrical probe" sampler type manufactured in stainless steel and tied with a 30 m rope. This probe, constantly improved, has been proved historically safe and was very effective during the numerous mandates carried out by GDS.

Once collected, samples were strictly kept in a tray located beside the sampler pending return to base.

4.5 Traverse Planning

A typical sampling day includes 4 traverses, each including 30 to 40 sites. To optimize the helicopter flight path, traverses are normally elliptically shaped. To reach the furthest sites from the base of operations, first and last traverses were used, while sampling, to go to a fuelling cache and back. On the other hand, traverses 2 and 3 allowed to reach sites located at more than 60 km from the base of operations (figure 10).



Back to the base after each traverse | A field cache is used to increase the range

Figure 10: Typical Daily Traverse

Planning of traverses to be sampled the following day was always done in the evening. The Team Leader first identifies the status of the visited sites by transferring information compiled on 1:50 000 working maps to 1:100 000 maps. Having an overview of the project, he strategically selects the next sites to be sampled. Once the planning of new traverse is completed, the Team Leader transposes the information on the working maps and generates the file needed for the navigation system.

4.6 Sampling

The project aimed to establish the surficial chemistry of the blocks by sampling and analysing bottom lake sediments and highlighting areas of anomalous element or combination of elements presenting a certain interest for the mining industry.

Most of the samples were collected at the intersections of a gridded 1- km side mesh density. Samples were recovered in preference in the centre of small lakes presenting a good drainage. In case of areas covered by larger lakes, more than one sample were collected, mainly near the mouth of a stream.

Using topographical maps and navigation system, sample site was rapidly located. The helicopter immediately begins its descent and arises in the space provided. After ensuring the concordance between the field information card number, the number inscribed on the sample bag and the number on the removable stub inserted in the latter, the sampler opens the door and drop vertically the probe into the water. The sampler ensures that the 30-m rope will be able to move freely to avoid slowing down the motion of the probe. Once the descent completed, the probe is immediately hauled by taking care to check the depth shown on the gauge cord.

The collected sample is composed of a very high percentage of organic saturated water material. It is often gelatinous and also contains a certain percentage of very fine mineral matter. The sample is dragged into the paper bag and the opening is quickly folded. Properly closed, the paper bag is quickly inserted into a plastic bag which is then knotted thus protecting the freshly collected sample from contamination. The probe and the workspace are then rinsed extensively with the water, the door is closed and the helicopter took off for the next site. Sample color and depth will be forwarded to the navigator, which fill the information card.

Analyze elements being generally present in the sample in tiny quantities (parts per million), sampler therefore took steps to prevent its contamination during handling and transport. He also avoided to sample in the immediate vicinity of artificial sources of contamination. During the training period, each sampler was aware of the risk of contamination and how to avoid it. Notebooks presenting all relevant information and security measures were given to each crew member.

Field information cards (Appendix C) are filled by the navigator on each sample site and a new card is used for each sample. Those cards are divided into boxes or boxes groups corresponding to different type of information. Groups of boxes contain 1 to 4 vertical columns in which the navigator, immediately after the removal of the sample, register with a marker fine tip, the number corresponding to various relevant information such as depth, colour and its intensity, presence of oxidation, contamination and date of sampling.

In no case there could be more than one character per box. In cases of ambiguity, the sampler should make a judgement according to his knowledge and verify the accuracy of his judgment with the Field Project Manager at the end of the day. Any correction should be done cleanly and unambiguous. A post-audit sampling was carried out to check if all the data entered on information cards were consistent and readable.

4.7 pH Determination

Following each day of production, samples are sorted according to their numbering. One by one, plastic bags are open and the opening of the paper bag unfolded, keeping its base in the plastic bag, thus avoiding contact with the work surface. Using a plastic spatula, a portion of the sample is took and inserted in a numbered flask in order to measure its pH. The opening of the bag is then folded back and the bag is hung for drying (figure 11). The plastic bag is thrown away and the spoon deeply rinsed to continue with another sample.

Figure 11: Samples fixed to the dryer

Once samples fixed to the dryer, flasks and their corresponding information cards are transported to the field office where pH measurement were carried out. Before each series of pH determination, the pH-meter (Hanna HI991003) was calibrated in order to obtain an accuracy of 0.01 pH unit.

Current pH measurement procedures were as follows:

- Add demineralised water in the flask so that material become barely water saturated
- Stir and crush all concretions.
- Allow to stand for approximately five minutes.
- Make the measurement using pH meter (Appendix B).
- Gently descend the electrode in the solution ensuring to cover the sensitive point. Wait a few seconds until instrument stabilization.
- Write down the pH reading in the appropriate boxes on the field information card.

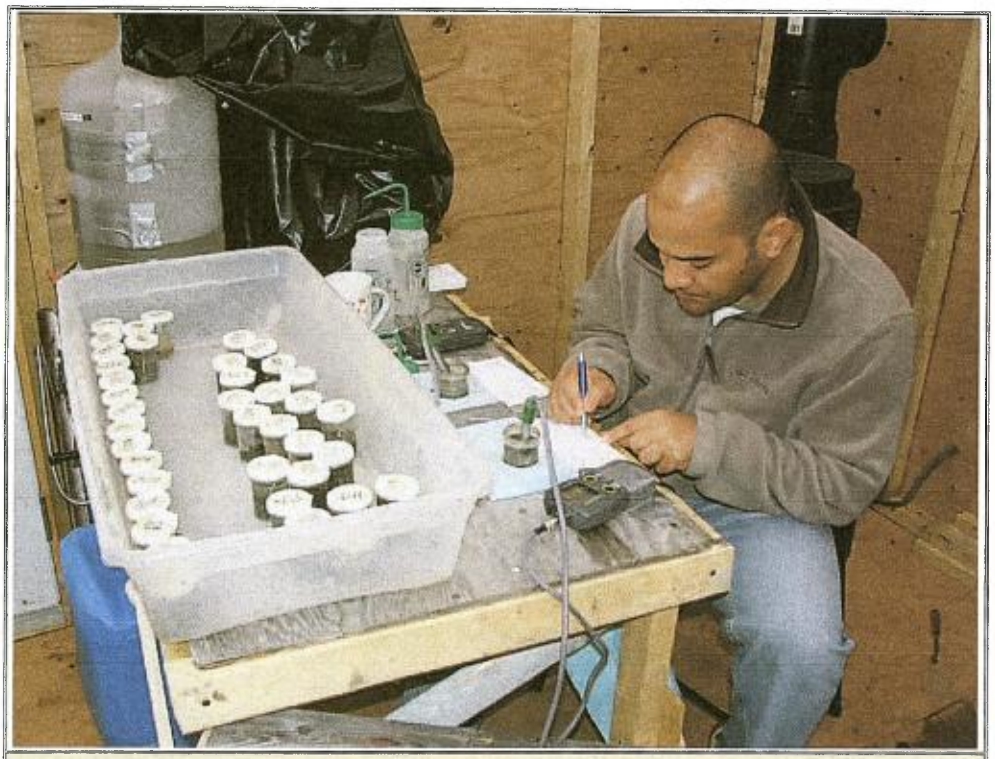


Figure 12: pH determination

4.8 Drying

The drying site consisted of a 16 x 20-foot shelter where was installed a wooden support that could accommodate 600 samples (figure 11). Similar concerns were respected during handling and drying of the samples. Thus it was important that samples were hooked to a non-contaminant support (wood and aluminum nails) and that each bag were positioned to prevent dripping on other bags. A heater and good ventilation were used to accelerate drying which normally requires two to three days.

Once samples were dry, they were verified, reordered and put in a new plastic bag. Series of 100 bags were classified in a robust cardboard box, well identified and protected from moisture. These boxes have been weighed and forwarded to the Abitibi Actlabs branch (Techni-Labs Abitibi (Actlabs)) located in Sainte-Germaine-de-Boulé to complete the drying process. Then the samples were transferred to the Actlabs laboratory located in Ancaster, Ontario, for analysis with the Ultratrace-1 package and the loss on ignition (LOI 500c).

4.9 Encountered Difficulties

The main difficulties encountered were the sampling probe frequent breaks, at the beginning of project, and bad weather. Very rocky lake floors caused several damages to the sampling probe. When reaching the bottom lake, the probe strikes the rocks which sometimes damaging the retention system at a point where material recovery became impossible. Thus, at the beginning of project, the probe was replaced not less than 7 times.

In addition to causing damage to the probe, the rocky nature of the lake bottom forced the sampling team to move once or twice on the planned sites. It has often had to resign himself to go to a nearby lake or simply go to the next scheduled site. These shifts have resulted in loss of time and higher operating costs.

Finally, the second half of the project was characterized by a predominantly rainy temperature. A few flights had to be shortened, forced to return to the operation base.

4.10 Preparation of final products

Back to GDS's head office, preparation of the final products started. Following a thorough verification of all information collected in the field, this information have been entered and saved in a database. This database was subsequently merged with the results of chemical analyses.

Alongside digitalization of data, a final location map has been generated from UTM coordinates of each sample. Sampling sites identified by a point with the sample number, were superimposed on the topographic background provided by GeoBase CanVec files. A general interpretation map of geochemical results, including an inter-associations of anomalous elements, was made by Mr. Rémi Charbonneau Ph.D., P. Geol., (OGQ member #290), from Inlandsis Consultants.

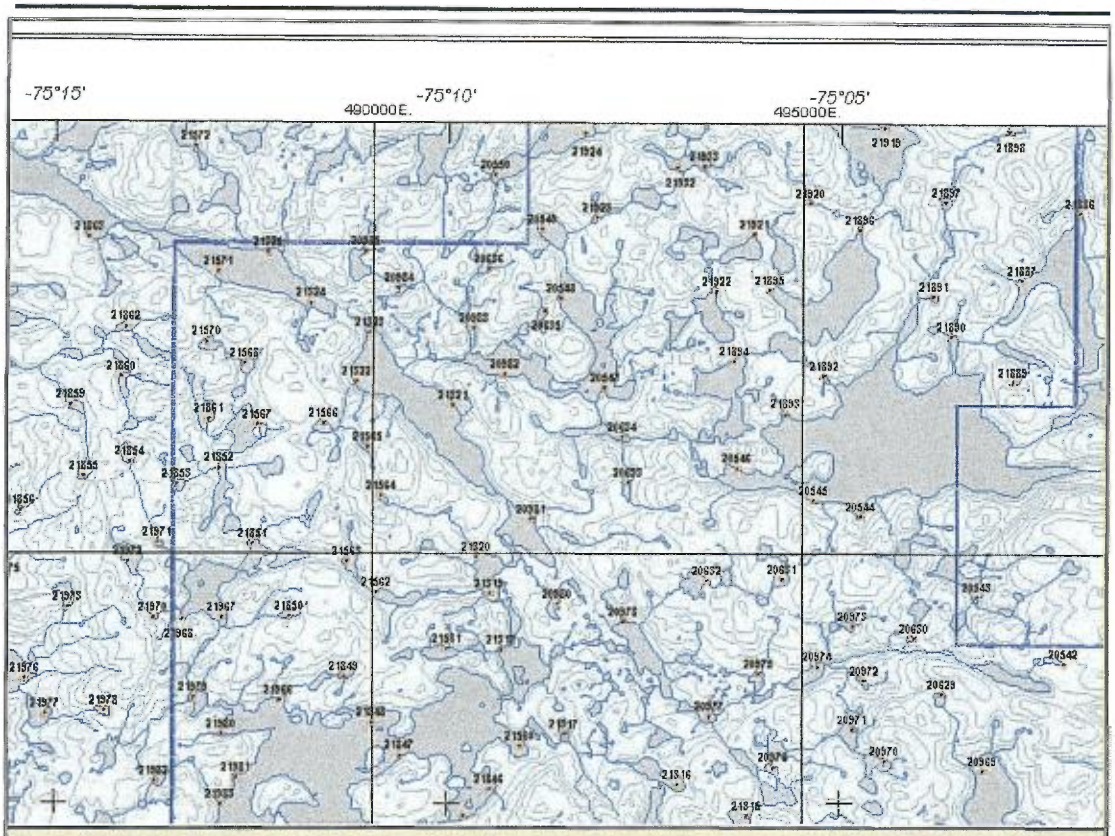


Figure 13: Small section of the final localisation map at a scale of 1:100 000

5.0 CONCLUSIONS

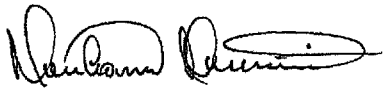
Mandated by **Azimut Exploration Inc.** (Azimut), **Geo Data Solutions GDS Inc.** (GDS) has successfully completed, between July 22nd and August 8th 2010 a heliborne bottom lake sediment sampling campaign totalling 2006 samples spread on four blocks owned by **Azimut**. Sampling density was maintained to one sample per km^2.

Covering a surface of 1 900 km^2, blocks A, C, E and A-West are located in the Lake Couture area, 130 km East of Povungnituq, Northern Quebec. Excluding initial and final mobilizations, a total of 115.1 helicopter hours was necessary to carry out the sampling program. The average overall performance was 17.4 samples/flight hour.

Alone, sampling activities needed 17 days involving 4 samplers working 8 to 10 hours per day. During this period, only a single day was lost due to equipment failure.

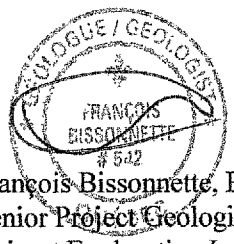
Data compilation and production of cartographic documents required more than 4 weeks, working 5 days/week and 8 hours/day.

Respectfully submitted,



Mouhamed Moussaoui, Eng.
Geo data Solutions Inc
OIQ Member #39716

During field operations, I was present and confirm that the samples were collected on Rex Project area, by Geo Data Solutions Inc field team.



François Bissonnette, P.Geo.
Senior Project Geologist
Azimut Exploration Inc.
OGQ member #542

APPENDIX A

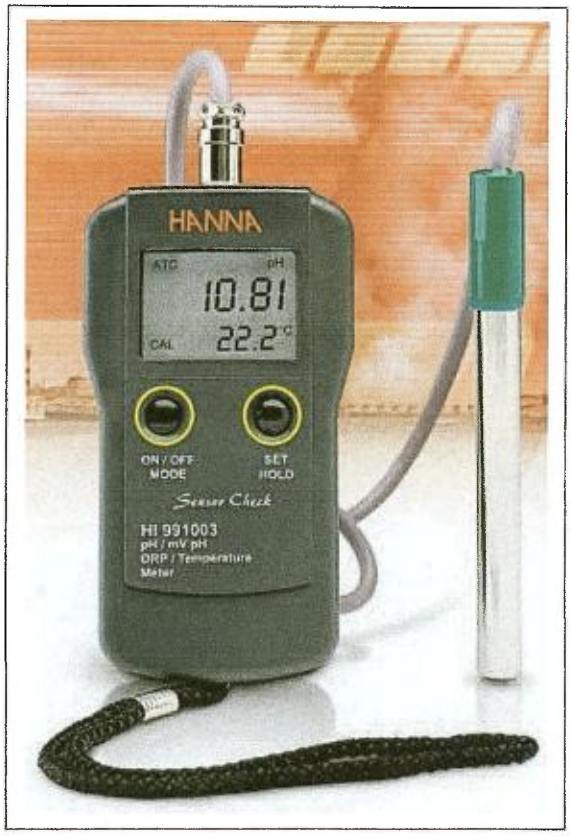
FIELD WORK AND PRODUCTION STATISTICS

Lake bottom sediment sampling – REX 2010 project

Date	Day n°	Samp./day	Sample #	Flight time (hr)	Sampling aver. (samp/hr)
22-Jul	1	177	20001-20184	10.9	16.2
23-Jul	2	145	20185-20337	10.2	14.2
24-Jul	3	20	20338-20358	2.0	10.0
25-Jul	4	0	-	-	-
26-Jul	5	38	20359-20397	2.2	17.3
27-Jul	6	104	20398-20506	8.5	12.2
28-Jul	7	42	20507-20550	2.7	15.6
29-Jul	8	41	20551-20593	2.8	14.6
30-Jul	9	178	20594-20777	8.7	20.5
31-Jul	10	152	20778-20938	10.0	15.2
1-Aug	11	177	20939-21123	9.0	19.7
2-Aug	12	156	21124-21290	10.5	14.9
3-Aug	13	168	21291-21462	8.3	20.2
4-Aug	14	75	21463-21541	4.2	17.9
5-Aug	15	146	21542-21692	7.8	18.7
6-Aug	16	126	21593-21922	5.3	23.8
7-Aug	17	160	21923-21987	7.2	22.2
8-Aug	18	101	21988-22094	4.8	21.0
		2006		**115.1**	**17.4**

APPENDIX B

THE HANNA HI991003 pH/ORP/T° METER



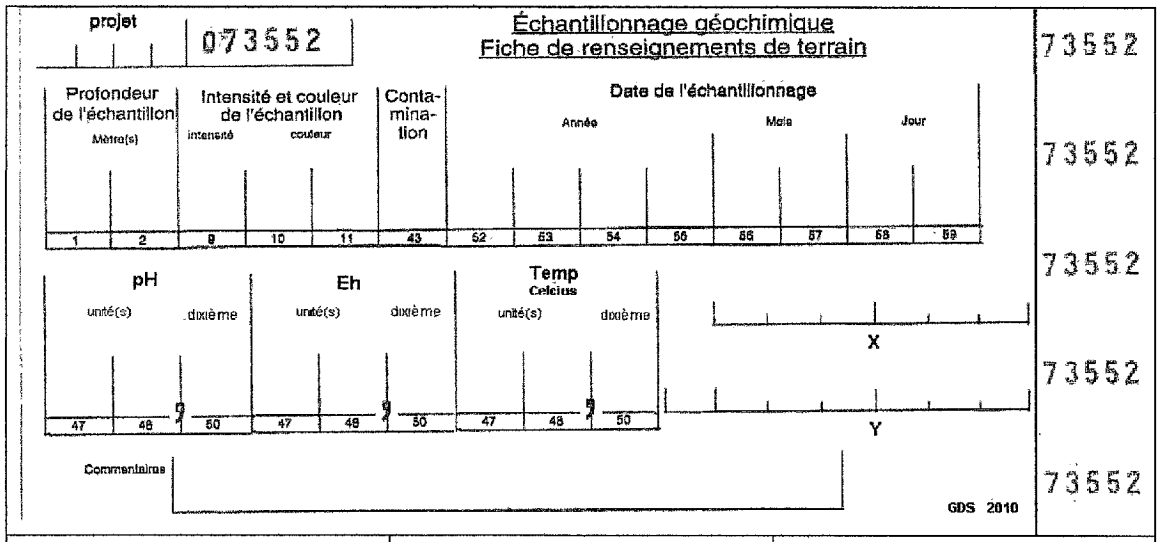
SPECIFICATIONS
pH/ORP/T° Meter Hanna HI991003

Specifications		HI 991003C
Range (*)	pH/pH (in mV)/ORP	-2.00 to 16.00 pH / ±825 mV (pH-mV) / ±1999 mV (ORP)
	Temperature	-5.0 to 105.0°C or 23.0 to 221.0°F
Resolution	pH/pH (in mV)/ORP	0.01 pH / 1 mV
	Temperature	0.1°C or 0.1°F
Accuracy (@20°C/68°F)	pH/pH (in mV)/ORP	±0.02 pH / ±2 mV
	Temperature	±0.5 up to 60°C, ±1°C outside; ±1°F up to 140°F, ±2°F outside
Typical EMC Deviation	pH/pH (in mV)/ORP	±0.02 pH / ±2 mV
	Temperature	±0.2°C or ±0.4°F
pH Calibration		Automatic 1 or 2 points with 2 sets of standardized buffers (pH 4.01, 7.01, 10.01 or 4.01, 6.86, 9.18)
Temperature Compensation		Automatic for pH readings
Probe		HI 1297D combination amplified pH/ORP/temperature with DIN connector and 1 m (3.3') cable (included)
Battery Type		3 x 1.5V AA/ approximately 1500 hours of continuous use. Auto shut-off after 8 minutes of non-use.
Environment		0 to 50°C (32 to 122°F); RH 100%
Dimensions		160 x 80 x 36 mm (6.9 x 3.2 x 1.5")
Weight		245 g (8.6 oz.)

*Temperature range is limited to 80°C (176°F) if using the HI 1296D or HI 1297D probes

APPENDIX C

SAMPLE DATA SHEET EXAMPLE



Color intensity

(0) No information
(1) Low
(2) Normal
(3) Intense

Sample colour

(01) White
(02) Gray
(03) Black
(04) Beige
(05) Yellow
(06) Rusty
(07) Orange
(08) Pink
(09) Red
(10) Light brown
(11) Brown
(12) Dark brown
(13) Blue
(14) Green

Contamination

(1) Farm works
(2) Mining works or exploration
(3) Road works
(4) Forestry works
(5) Industrial
(6) Urban (wastewater)
(7) Dumping ground
(8) Metal
(9) Forest fire

APPENDIX D

INTERPRETATION REPORT

Lake sediment sampling 2010, Rex Project, Northern Québec

Azimut Exploration Inc.

Rémi Charbonneau
Ph.D., Geo. OGQ member 290
Inlandsis Consultants senc. / Geo Data Solutions Inc.

December 2010

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Executive summary

During the summer of 2010, a vast lake-sediment geochemical program undertaken by Geo Data Solutions Inc. covering the Rex Project of Azimut Exploration Inc located near the centre of the Ungava Peninsula, northern Québec. This program, including 2006 lake sediment samples, returned significant multi-elements anomalies for Au, Ag, Cu, U and REE. Spacing between samples varies from 600 m to 1500 m. Fine-grained lake sediments or "gyttja" were collected using a torpedo probe, launched from a helicopter. Samples were collected in kraft paper bags, described, dried and submitted to pH and T° measurement before being shipped to Actlab / Technilab for the determination of LOI,) and multi-element analysis by ICP-MS. Results included Au values up to 52.5 ppb, Cu values up to 865 ppm, U values up to 173 ppm and Ce values up to 5220 ppm. Variation extended from 2% to 68% for LOI, from 5.2 to 6.7 for the pH and from 10.9°C to 23.9°C for T°. Amongst these measurements, the LOI shows noticeable correlations with Mg, K, Cr, Se, B and Ge. Data control was exerted by the introduction of standard material into the sample series and revealed a good consistency for the obtained results. Basic statistics have been established for each analysis and anomalous results were mapped and used to draw multi-elements contours. These contours show consistent elementary associations, some of which defining large anomalous areas which were classified from 1 to 3, as increasing order of priority. Noticeably, gold anomalies are all concentrated in the west central part of the study area. The anomalous sectors that are presented here constitute broad exploration targets that can be refined with more sophisticate analysis of the data. Finally, it is recommended to confirm and better define the anomalous sectors with a more detailed lake sediment program and till sampling.

Introduction

The present lake sediment sampling survey was conducted by Geo Data Solutions Inc over the vast mineral property of Rex Project of Azimut Exploration Inc, for targeting mineralized systems.

Location and access

The property is located in northern Quebec near the centre of Ungava Peninsula (Figure 1). The nearest locality is the Inuit village of Puvirnituq, on the eastern side of Hudson Bay. The area is only accessible from float plane and helicopter.

Geology

The area belongs to the Archean-aged, Minto Block of the Superior. According to a recent subdivision of the Minto by Boily *et al.* 2009, the study area belongs to the Qalluviartuuk Domain. The reader is referred to this publication and the several included references for details on geology.

Glacial geology

The study area lay immediately west of the Payne Ice Divide (Bouchard and Marcotte 1986) where ice flow rotate successively form NW to W (Lauriol 1982, Jansson et *al.* 2003).

Exploration principles

Lake sediment geochemistry is used in large scale reconnaissance sampling in Québec (Gleeson 1975, Beaumier and Kirouac 1995, Beaumier 1997), Labrador (Hornbrook and Friske 1990, Friske et al. 1997), and elsewhere in Canada (Cook 1995, Earle 1995, McClenaghan and Coker 2005). The sampling medium is a fine-grained gelatinous mud referred to as "gyttja" that accumulated at the bottom of quiet waters, such as small lakes

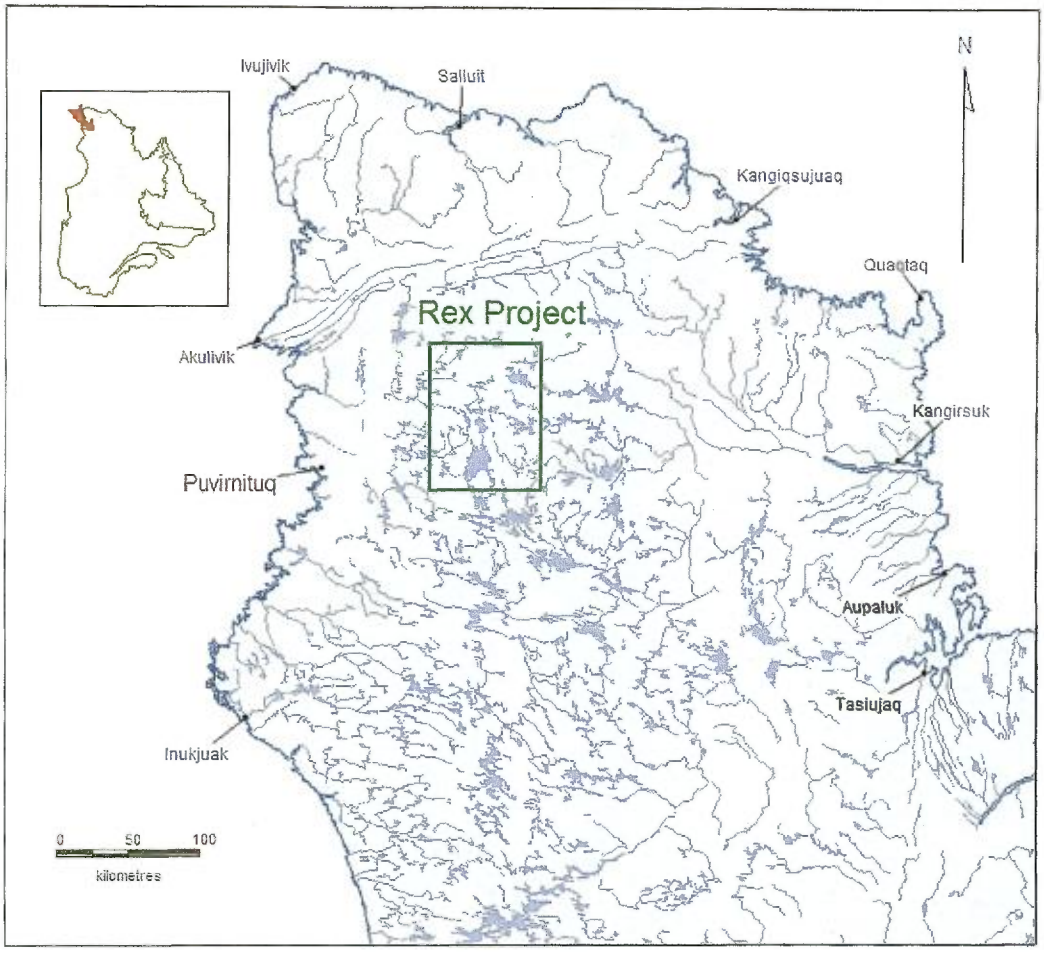

Figure 1. Location of the Rex Project.

or deep basins of larger ones (Cook 1995). Although lake sediment sampling is a widely used technique in exploration, the geochemical mechanisms involved in the transportation of a specific elements from the mineralized bedrock to the sediment is seldom discussed in details. The association of stronger geochemical signals with high organic contents brings the primary conclusion that these signals originated from hydromorphic processes Cook (1995), e.g. ionic transport through aqueous solutions followed by scavenging in fine

organic material. Alternatively, McClenaghan and Coker (2005) observed a 10 km-long dispersal train (Ni-Pt) from the Lac-Des-Îles ultramafic complex and concluded that glacial transport of mineral grains or clastic transport is a main factor affecting lake sediment geochemistry.

Case history

Two discoveries resulting from lake sediment geochemistry should be mentioned here: (1) the Bakos Deposit (Au) that has been mined in Northern Saskatchewan and (2) the Strange Lake (Zr and Y) alkalic Complex located at the Quebec-Labrador border. Although additional direct discoveries may also have occurred, these two ones involved the up-ice tracing of glacial indicators along kilometric dispersal trains. In the case of Bakos Deposit, the indicators consisted of visible Au grains in till and these were traced over two kilometers (Chapman et al. 1990). As for the Strange Lake Complex, characteristic boulders from alkalic intrusive were traced over more than 10 km (Batterson 1989). These two examples, along with other observations of kilometric scale dispersal trains from known sources in lake sediment geochemistry (McClenaghan and Coker 2005), stress that glacial transport should not be overlooked in the application of lake sediment geochemistry to mineral exploration.

Previous works

Lakes of Ungava Peninsula were previously sampled in the course of the "*Levé Grand Nord*" (Beaumier 1997) of the *Ministère des Ressources Naturelles et de la Faune* (MRN) with a spacing of 3 to 5 km. This large scale survey shows some Cu, REE and U anomalies inside the Rex Project area.

Field Works

Lake sediment sampling was performed during the summer of 2010, between July 22th and August 8th by Geo Data Solutions Inc. A Bell 206B Jet Ranger was used for sampling by launching a torpedo probe into the deepest basin of the lake from the helicopter. Water depth was then measured from graduations on the rope. The obtained sediment was collected in kraft-paper bag, using waterproof gloves. Control samples were taken from a single sampling site and introduced into the regular series. Samples were described on site relative to its color, stiffness and visual content. Physico-chemical characteristics including water temperature, pH and ORP were measured at the camp from a water-rich portion of each sample. Sample bags were hung up for drying near a heat source.

Analytical methods

Samples were shipped to Techni-Lab Abitibi Inc (Actlabs) for determination of LOI and multi-element analysis (ICP-MS) for 59 elements, namely:

Li, Be, B, Na, Mg, Al, K, Bi, Ca, Sc, V, Cr, Mn, Fe, Co, Ni, Cu, Zn, Ga, Ge, As, Se, Rb, Sr, Y, Zr, Nb, Mo, Ag, Cd, In, Sn, Sb, Te, Cs, Ba, La, Ce, Pr, Nd, Sm, Eu, Gd, Tb, Dy, Ho, Er, Tm, Yb, Lu, Hf, Ta, W, Re, Au, Tl, Pb, Th and U.

Results

A total of 2006 samples were collected and the corresponding analytical results are listed in Appendix I and II. Obtained LOI values ranged from 2% to 68%, with lower values (< 20%) being associated with dominantly mineral samples. Results included Au values up to 52.5 ppb, forming several anomalous sectors along with As, a compatible element, with low but positive correlation (coefficient of 0.27) between Au and As values. Strong signals were also observed, with Cu values of 865 ppm, U values of 173 ppm and Ce values of 5220 ppm. These maximum values were associated with surrounding strong values of the corresponding elements, therefore defining an anomalous sector rather than an isolated anomaly. Measured pH does not vary greatly and do not show any particular correlation

with other elemental concentration or other parameter, except for ORP. In turn, the LOI show noticeable negative correlation with Mg, K and Cr, as well as positive correlation with Se, B and Ge.

Data control

The data includes 63 control samples duplicated from a single sampling site (Appendix I). These control samples introduced in the regular series for analysis show consistent results considering their dominantly mineral nature with L.O.I. varying from 1% to 10%, which indicate a wide natural variability among these samples. For example, the high Ni values (238 ppm) is control sample R20590 can be attributed to the presence of an isolated grain of a Ni bearing mineral rather than analytical error. The overall consistency of the results and particularly for the standard and duplicates introduce by the laboratory (Appendix II) confirm the validity of analytical data.

Basic statistics

Maximum, average and minimum values were calculated with Excel™ spreadsheet, from which a threshold was determined for each element and mapped to obtain anomalous contours, using MapInfo™ GIS technology (Figure 2, Plan 1). Basic statistics are presented in Table 1 for each of the analyzed elements, except for the REE series from which only Ce, Sm and Yb were selected.

Elemental association

Delineated contours reveal anomalous sectors with a variety of elemental associations (Figure 2 and Plan 1), some of which being in accordance with geological processes. For example, some Au anomalies associated with Ag, As or Mo clearly correspond to a hydrothermal gold system and have been classified here as "Au" association. Other typical associations include 1) Mg, Cr, Ni, (Co, Cu), related to an ultramafic intrusion; 2) Li, Be, Cs, B, Nb, Ta, U and T (Lanthanide), related to a fertile pegmatite swarm; 3) Ca, Sr, Nb, Ta, Y and Zr (REE), related to an alcaline intrusion and, finally, 4) Ag, Co, Ni (U), related

Table 1. Basic statistics on lake sediments geochemistry (n = 2006).

analyte	unit	detec.	min	average	max	st-dev
Li	ppm	0.1	1 7	16 651	102	12 815
Be	ppm	0.1	0 1	0 5692	1 6	0 2176
B	ppm	1	1	4 2587	21	2.5027
Na	%	0.001	0.011	0 0416	1 47	0.0356
Mg	%	0 01	0.06	0.5977	2 68	0.4165
Al	%	0.01	0.56	2 0688	7.37	0 8491
K	%	0.01	0.03	0 3303	1.88	0.2807
Bi	ppm	0.02	0 02	0 0543	2.59	0 0924
Ca	%	0.01	0 12	0 373	1.25	0.0981
Sc	ppm	0.1	0.1	3 2835	12 1	1 9685
V	ppm	1	3	39 076	130	19 985
Cr	ppm	0.5	5 2	31.766	207	15.703
Mn	ppm	1	33	285 89	8180	364 21
Fe	%	0 01	0 38	2.7763	23.7	1 7834
Co	ppm	0 1	1.8	11 252	112	7 7487
Ni	ppm	0 1	4	21.234	173	11 106
Cu	ppm	0 01	9.72	111.87	865	56 253
Zn	ppm	0 1	24 4	112 29	346	44 493
Ga	ppm	0.02	0.8	5 3281	22 2	3.2439
Ge	ppm	0 1	0.1	0.5176	1 5	0.2311
As	ppm	0.1	0 1	0 8901	7 4	1.0289
Se	ppm	0 1	0.1	1 8812	6 1	0 8118
Rb	ppm	0 1	2 8	38 653	245	35.646
Sr	ppm	0.5	9.7	29 68	142	9 8427
Y	ppm	0.01	3 87	36 783	145	17.965
Zr	ppm	0.1	0 1	2.7815	15.4	1 8023
Nb	ppm	0 1	0.3	1 9345	5.5	0 7463
Mo	ppm	0.01	0.54	4 6383	62.2	3 5633
Ag	ppm	0.002	0 002	0.3096	1 7	0 1767
Cd	ppm	0.01	0 01	0.3953	1.58	0 202
In	ppm	0 02	0.02	0 0206	0 04	0 0027
Sn	ppm	0 05	0.05	0 4856	19 4	0 5148
Sb	ppm	0 02	0 02	0 0413	9.45	0.2196
Te	ppm	0.02	0.02	0.0316	2 64	0.0949
Cs	ppm	0 02	0.12	1 1183	9.48	0 8309
Ba	ppm	0 5	0 5	107.36	564	79 944

Table 1. Basic statistics (continued).

analyte	unit	detec.	min	average	max	st-dev
Ce	ppm	0.01	52.3	392.53	5220	198 36
Sm	ppm	0.1	2 8	27.27	78	11 671
Yb	ppm	0.1	0.4	2.7063	10.6	1 328
Lu	ppm	0 1	0 1	0 404	1 6	0 1955
Hf	ppm	0 1	0 1	0.1004	0 3	0 0074
Ta	ppm	0.05	0.05	0.0501	0 23	0 0042
W	ppm	0 1	0.1	0 1303	2.3	0.1508
Re	ppm	0 001	0 001	0 0031	0.344	0.008
Au	ppb	0.5	0.5	2 2127	52 5	2 9139
Tl	ppm	0 02	0 02	0 3462	1.47	0 215
Pb	ppm	0.01	1 37	7 5053	77.3	4 5769
Th	ppm	0 1	0 4	10.822	65.9	10 046
U	ppm	0.1	0.1	9.389	173	12 089

to a silver veins system. Various combination of pathfinder elements including Ag, As, Co, Cu, Mo, Sb, Sn, Pb and Zn are classified as "hydrothermal" association while a dominance of Cu, Pb and Zn anomalies remain a "base metal" association. Anomalous sectors with dominant metals including Cu, U and REE have been designated by the single element or group of elements e.g. the REE. Finally, other association still remained classified as "atypical" (Plan 1).

Discussion

Contouring of anomalous sectors reveals several sectors of interest which were classified according to three levels of increasing priority from 1 to 3 (Plan 1). Only contours with priority 3, which correspond to the highest, are depicted in Figure 2. The level of priority was attributed according to the following factors: the consistency in the observed associations, the signal strength (higher values) and the surface area covered by the anomalies. One striking result is that most of the gold anomalies are restricted to the west central part of the study area (Plan 1).

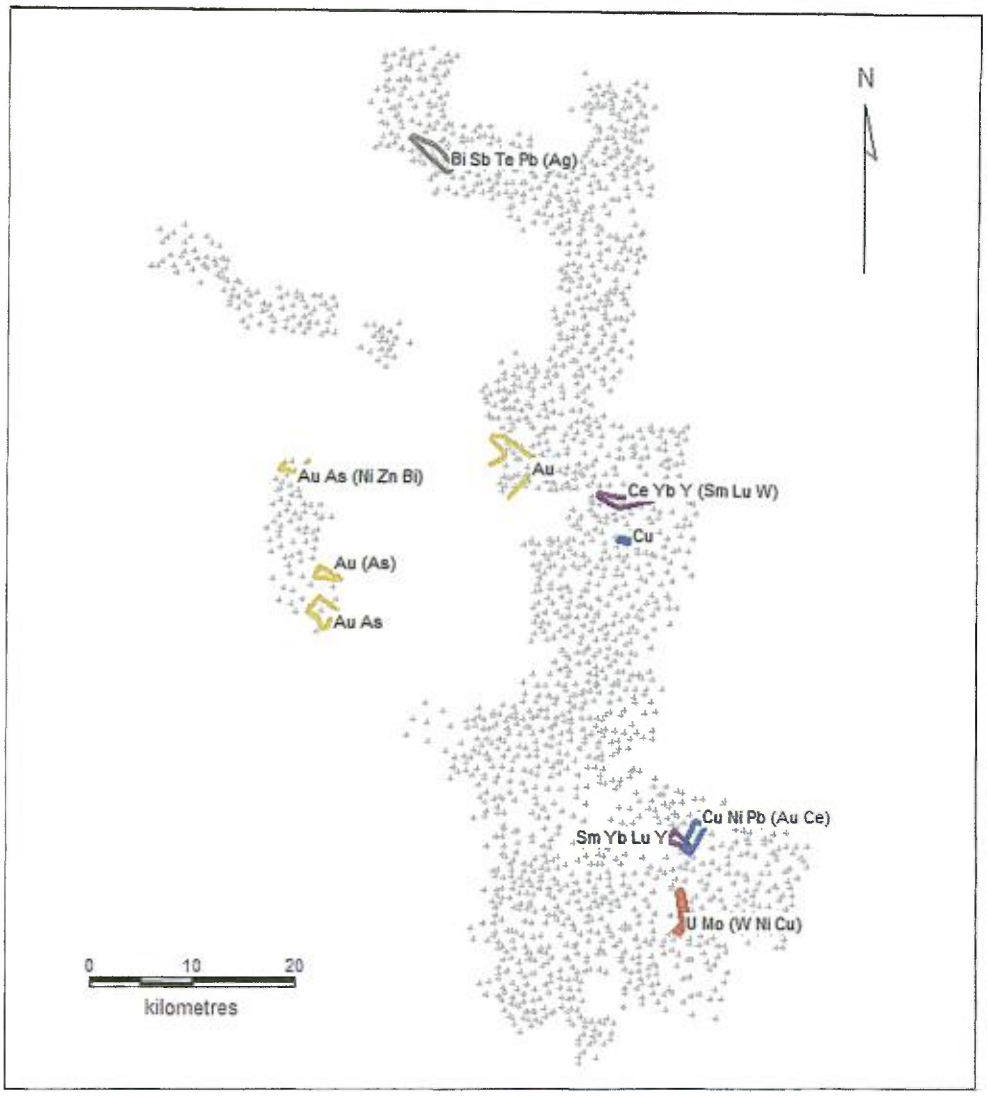

Figure 2. Anomalous contours with elemental association of high priority.

Elements in parenthesis refer to lower concentrations or scattered anomalous values within the contoured sector. Finally, it has to be noted that the present contouring of anomalous sectors represents a first appreciation of the several exploration targets prevailing on the Rex Project. Additional works, including a regional subdivision of geochemical domains

and a more elaborate statistical approach (c.f. Trépanier 2006) may bring significant refinement to the selection and priority of the numerous anomalous sectors.

Conclusions

- A total of 2006 lake sediment samples collected during the summer of 2010 at the Rex Project of Exploration Azimut Inc. returned significant results including 52.5 ppb Au, 865 ppm Cu, 173 ppm U and 5220 ppm Ce.
- Amongst the physicochemical measurements, the LOI show noticeable negative correlation with Mg, K, Cr, and positive correlation with Se, B and Ge.
- Mapping and contouring the obtained geochemical signals resulted in several anomalies with various elemental associations that were classified with increasing priority from 1 to 3.
- Significant exploration targets corresponding to highest priority contours (3) are presented here as a first selection although more elaborate statistical treatment will have to be applied to improve the target selection.

Recommendations

- It is suggested to refine the present exploration targets with (1) elaborate statistical treatment followed by (2) confirmation by more detailed lake sediment and till sampling.

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OGQ member #290

December 12th, 2010

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APPENDIX I

SAMPLE DESCRIPTION

Sample#	pH	ORP (mV)	Temp (°C)	Depth (m)	Int	Colr	Cont	Date (dd/mm/yyyy)	X UTM	Y UTM	Z m
R20001	5 77	57	15 4	7	2	12	0	22/07/2010	494408,2	6682040 8	156 2
R20002	6 01	61	15 4	3	2	11	0	22/07/2010	495920 4	6682566 0	161 4
R20003	6 30	-25	15 4	14	2	11	0	22/07/2010	495827 1	6683088 6	158 0
R20004	5 71	78	16 4	4	2	11	0	22/07/2010	496835 6	6683359 8	175 2
R20005	5 84	175	16 3	4	2	12	0	22/07/2010	497987 1	6683700 1	179 5
R20006	5 98	233	16 1	10	2	11	0	22/07/2010	498764 3	6684454 6	160 4
R20007	5 91	57	15 7	7	2	11	0	22/07/2010	499269 5	6684871 9	173 9
R20008	5 83	227	16 4	16	2	11	0	22/07/2010	500099 3	6685393 2	205 6
R20010	5 80	193	16 1	9	2	2	0	22/07/2010	501821 4	6686894 5	248 8
R20011	6 03	125	16 2	15	2	7	0	22/07/2010	501850 6	6687893 2	227 5
R20012	6 21	33	15 6	12	2	2	0	22/07/2010	502330 4	6688911 5	222 9
R20013	6 02	149	15 9	7	2	11	0	22/07/2010	502704 1	6690180 3	223 0
R20014	6 24	424	15 4	11	2	11	0	22/07/2010	503889 3	6692024 1	222 8
R20015	6 15	135	15 9	3	2	2	0	22/07/2010	504884 6	6692619 9	259 1
R20016	5 77	142	15 7	6	2	11	0	22/07/2010	505918 1	6691526 5	211 5
R20017	5 89	174	16 3	5	2	2	0	22/07/2010	505162 4	6691535 8	211 6
R20018	5 96	123	16.0	4	2	2	0	22/07/2010	504132 5	6691440.9	211 7
R20019	5 74	238	16 3	6	2	11	0	22/07/2010	503773 7	6690658 8	211 6
R20020	6 37	-20	15 7	6	2	11	0	22/07/2010	505459 1	6689986.1	212 5
R20021	5 66	278	17 0	6	2	7	0	22/07/2010	504053 0	6689371 2	211 7
R20022	6 47	-88	15 9	15	2	2	0	22/07/2010	503234 0	6688496 2	228 2
R20023	5 90	178	16 0	10	2	2	0	22/07/2010	503831 6	6687499 1	232 3
R20024	6 64	-112	15 5	6	2	11	0	22/07/2010	502425 6	6686717 7	248 9
R20025	5 92	161	16 0	3	2	11	0	22/07/2010	501898 7	6685894 7	242 3
R20026	6 45	97	16 3	7	2	11	0	22/07/2010	501240 1	6684979 9	205 7
R20027	6 45	26	15 8	10	2	11	0	22/07/2010	500825 6	6684924 1	205 6
R20028	6 00	193	16 4	10	2	11	0	22/07/2010	500539 9	6683692 3	199 1
R20029	6 02	110	16 3	4	2	12	0	22/07/2010	498938 7	6683562 5	160 9
R20030	5 93	185	16 4	3	2	11	0	22/07/2010	498784 8	6683286 8	160 7
R20031	5 85	195	16 4	7	2	11	0	22/07/2010	498320 7	6682828 8	160 7
R20032	6 00	65	15 9	7	2	11	0	22/07/2010	497674 1	6682708 8	156 4
R20033	5 89	177	16 0	6	2	11	0	22/07/2010	496661.4	6682222 4	156 5
R20034	5 85	193	16 7	6	2	11	0	22/07/2010	496408 3	6681618 9	168 2
R20035	6 13	95	15 9	5	2	11	0	22/07/2010	495204 6	6681811 4	161 7
R20036	5 89	177	16 7	9	2	11	0	22/07/2010	494998 3	6681235.1	179 8
R20037	6 04	132	16 1	6	2	11	0	22/07/2010	494370 5	6680639 4	175 6
R20038	6 03	153	16 4	3	2	11	0	22/07/2010	493762 6	6680513 3	157 6
R20039	6 09	130	16 4	9	2	11	0	22/07/2010	492591.9	6680380.5	155 7
R20040	5 92	179	16.4	8	2	12	0	22/07/2010	491355 5	6680029 3	163 2
R20041	5 98	150	16 8	13	2	12	0	22/07/2010	490847 6	6679694 4	163 0
R20042	5 82	145	16 5	8	2	11	0	22/07/2010	488242 1	6679164 9	156 8
R20043	6 07	164	16 5	5	2	11	0	22/07/2010	490445 2	6679245 0	168 0
R20045	6 01	163	16 7	10	2	11	0	22/07/2010	490852 1	6679660 8	163 0
R20046	5 94	162	16 5	3	2	11	0	22/07/2010	491329 5	6679512 0	168 0
R20047	5 57	114	16 4	4	2	11	0	22/07/2010	492166 9	6679508 1	165 6
R20048	6 34	-19	16 8	5	2	2	0	22/07/2010	492960 7	6679788 1	155 5
R20049	5 96	135	16 4	5	2	11	0	22/07/2010	493474 4	6679857 3	158 5
R20050	6 14	125	16 4	10	2	11	0	22/07/2010	494438 1	6679932 5	187 1
R20051	6 00	134	16 6	5	2	10	0	22/07/2010	495345 0	6679898 6	208 0
R20052	6 31	80	16 7	20	2	2	0	22/07/2010	495888 1	6680379 2	201 7
R20053	6 14	11	16 0	10	2	11	0	22/07/2010	496433 2	6680696 5	186 6
R20054	6 19	62	16 1	8	2	11	0	22/07/2010	497645 4	6681052 1	168 7
R20055	5 98	124	15 5	7	2	11	0	22/07/2010	497845 4	6681748 5	166 4
R20056	6 02	26	16 3	10	2	11	0	22/07/2010	498865 5	6681959 9	187 1
R20057	5 97	134	16 2	5	2	10	0	22/07/2010	500418 7	6682845 1	187 1
R20058	6 20	31	16 1	8	2	10	0	22/07/2010	501020 8	6683755 4	198 8
R20059	5 95	117	15 5	15	2	11	0	22/07/2010	500946 4	6683982 3	198 7
R20060	6 32	-18	15 5	5	2	11	0	22/07/2010	501940 7	6684262 9	202 5
R20061	6 04	172	15 6	8	2	11	0	22/07/2010	502186 6	6684758 7	207 3
R20062	6 29	58	15 7	22	2	12	0	22/07/2010	502871 7	6684852 0	224 5
R20063	5 89	130	15 5	5	2	11	0	22/07/2010	503930.5	6685136 9	224 5
R20064	5 97	127	15 3	8	2	11	0	22/07/2010	504228 0	6684515 2	224 6
R20065	6 52	62	15 0	18	2	11	0	22/07/2010	505241 1	6683568 5	211 6
R20066	6 21	74	15 2	13	2	7	0	22/07/2010	504240 4	6682352 6	215 9
R20067	6 08	163	15 2	13	2	7	0	22/07/2010	503662 6	6683074 8	215 9
R20068	6 12	75	15 4	3	2	11	0	22/07/2010	503772 6	6683476 3	227 2
R20069	6 37	-24	14 8	12	2	11	0	22/07/2010	503187 1	6684481 6	224 5
R20070	6 29	-22	14 7	13	2	11	0	22/07/2010	502632 6	6683312 9	222 8
R20071	6 31	-10	15.0	15	2	11	0	22/07/2010	501797 2	6683353 8	217 0
R20073	6 16	62	14 8	10	2	11	0	22/07/2010	501231 2	6682399 3	201 5
R20074	6 30	41	15 5	8	2	10	0	22/07/2010	500383 1	6681960 7	187 0
R20075	6 02	74	16.3	7	2	11	0	22/07/2010	499340 1	6680350 4	202 4
R20076	6 01	87	15 2	9	2	11	0	22/07/2010	498468 1	6680172.0	205 1
R20077	6 06	-6	15 0	9	2	11	0	22/07/2010	497725 4	6680163 0	206 1
R20078	5 95	98	15 0	5	2	2	0	22/07/2010	496671 1	6679967 8	203 1
R20079	6 05	47	15 3	7	2	2	0	22/07/2010	496080 0	6679666.5	232 8
R20080	6 05	60	14 8	6	2	11	0	22/07/2010	495275 6	6679309 9	220 7
R20081	5 96	126	14 6	10	2	2	0	22/07/2010	494919.6	6678989 8	213 8
R20082	6 08	129	14.3	11	2	11	0	22/07/2010	492737 7	6678759 9	155 7
R20083	6 06	73	14.5	5	2	11	0	22/07/2010	492492 9	6678773 3	160 1
R20084	5 99	66	14 4	2	2	10	0	22/07/2010	491589 8	6678990 7	181 5
R20085	6 11	115	14 2	8	2	2	0	22/07/2010	490714 9	6678507 4	175 6
R20086	6 19	46	14 1	12	2	11	0	22/07/2010	489572 2	6678857 8	155 6
R20087	6 24	3	14 2	8	2	11	0	22/07/2010	489330 2	6678482 1	154 4
R20089	6 00	61	15 4	4	2	11	0	22/07/2010	486557 4	6678868 2	155 4
R20090	6 54	-24	15 4	18	2	11	0	22/07/2010	487372 5	6679076 5	157 6

Sample#	pH	ORP (mV)	Temp (°C)	Depth (m)	Int	Colr	Cont	Date (dd/mm/yyyy)	X UTM	Y UTM	Z m
R20091	6 07	67	15 0	6	2	11	0	22/07/2010	487582 2	6678399 6	152 9
R20092	6 01	61	14 8	10	2	2	0	22/07/2010	488830 9	6678209 7	152 0
R20093	6 03	68	14 8	8	2	11	0	22/07/2010	490016 1	6677458 4	170 4
R20094	6 05	79	15 1	8	2	11	0	22/07/2010	490895 6	6677969 0	175 5
R20095	5 72	58	15 1	14	2	11	0	22/07/2010	491946 9	6678032 9	173 4
R20096	6 10	163	15 2	6	2	11	0	22/07/2010	493224 6	6678140 1	155 3
R20097	6 09	81	14 7	8	2	11	0	22/07/2010	494091 6	6678597 0	205 5
R20098	5 82	172	14 5	11	2	11	0	22/07/2010	495063 0	6678139.6	184 7
R20099	6 07	68	14 3	9	2	11	0	22/07/2010	496569 1	6678807 5	219 0
R20100	5 88	157	15 0	5	2	11	0	22/07/2010	495896 6	6678514 6	199 1
R20101	6 01	87	15 0	5	2	11	0	22/07/2010	496751 2	6679562 7	204 8
R20102	6 07	111	15 0	8	2	2	0	22/07/2010	496720 6	6679917 7	203 0
R20103	5 79	108	15 1	14	2	11	0	22/07/2010	497993 7	6679123 2	205 6
R20104	6 07	92	14 3	5	2	11	0	22/07/2010	499149.8	6679536 0	223 5
R20105	6 11	60	14 1	16	2	11	0	22/07/2010	499804 1	6680131 8	202 6
R20106	5 70	126	13 8	19	2	7	0	22/07/2010	500066 5	6680757 2	188 9
R20107	6 00	73	14 0	8	2	11	0	22/07/2010	500509 2	6681046 1	188 7
R20108	6.08	104	14 0	8	2	11	0	22/07/2010	501564 2	6680800.6	216 4
R20109	6 25	29	13 5	10	2	11	0	22/07/2010	501833 2	6681323 2	218 5
R20110	6 02	111	13 9	9	2	11	0	22/07/2010	502606 2	6682604 5	227 1
R20111	5 96	68	13 7	13	2	12	0	22/07/2010	502850 6	6682190 3	228 4
R20112	6 13	102	13 9	7	2	11	0	22/07/2010	503843 3	6681186 9	219 7
R20113	6.05	71	13 8	18	2	11	0	22/07/2010	504820 2	6681451 7	226 3
R20114	6 24	76	14 5	12	2	11	0	22/07/2010	504702 7	6679526 5	202 7
R20115	6 34	-2	14 3	13	2	2	0	22/07/2010	504754 4	6678847 8	202 8
R20116	6 10	117	14 3	7	2	11	0	22/07/2010	503823 5	6678809 8	202 8
R20117	5 95	105	14 4	18	2	2	0	22/07/2010	502658 1	6677756.5	202 8
R20118	5 94	122	14 2	9	2	11	0	22/07/2010	501567 4	6677267 5	202 9
R20119	5 79	118	14 3	5	2	11	0	22/07/2010	501713 4	6677675 4	207 8
R20120	5 92	138	14 0	6	2	11	0	22/07/2010	502680 0	6678631 7	208 6
R20121	5 98	102	13.7	7	2	11	0	22/07/2010	503248 9	6679331 8	205 9
R20122	6 02	120	13 1	10	2	11	0	22/07/2010	502669 9	6679964 7	213 5
R20123	5 92	94	13 2	20	2	11	0	22/07/2010	502006.8	6679162 8	202 7
R20124	6 05	111	13 5	9	2	11	0	22/07/2010	501095 5	6679193 4	202 6
R20125	6 01	85	13 6	5	2	2	0	22/07/2010	500078 7	6679323 5	215 5
R20126	5 86	166	13 7	5	2	11	0	22/07/2010	499690.0	6679093 9	215 5
R20127	6 03	135	13 8	17	2	11	0	22/07/2010	498736 1	6678676 8	209 4
R20128	6 00	83	13 4	7	2	11	0	22/07/2010	498192 4	6678365 9	207 2
R20130	6 29	20	13 7	7	2	11	0	22/07/2010	496945 5	6677927 7	195 7
R20131	5 91	105	13 6	7	2	11	0	22/07/2010	495879 5	6677546 5	181 7
R20132	5 95	103	13 7	4	2	11	0	22/07/2010	495101 5	6677226 0	166 1
R20133	6 13	81	13 9	5	2	11	0	22/07/2010	494603 9	6677289 8	166 3
R20134	5 92	107	13 4	9	2	11	0	22/07/2010	493482 9	6677415 4	173 2
R20135	5 84	90	14 0	8	2	11	0	22/07/2010	490541 9	6677263 0	172 8
R20136	5 88	291	13 1	5	2	11	0	22/07/2010	492110 0	6676874 4	155 7
R20137	6 30	195	13.2	8	2	11	0	22/07/2010	492656 9	6676838 4	154.3
R20138	6.39	218	12 9	8	2	11	0	22/07/2010	493761 8	6676739 8	154 3
R20139	6 61	204	12 7	8	2	11	0	22/07/2010	495854 6	6676660 3	168 0
R20140	6 00	162	13 2	10	2	11	0	22/07/2010	496640 0	6676592 2	168 1
R20141	6.11	206	13 0	3	2	11	0	22/07/2010	497882 3	6677193 0	209 8
R20142	5 91	161	13 0	5	2	11	0	22/07/2010	498332 9	6677902 2	203 6
R20143	5 89	203	12 7	10	2	11	0	22/07/2010	499627 3	6677505 7	208 2
R20144	6 06	100	12 9	5	2	11	0	22/07/2010	499661 9	6678087 5	202 6
R20145	6 08	242	12 9	6	2	11	0	22/07/2010	500090 6	6678627 8	202 7
R20146	6 09	125	13 2	4	2	7	0	22/07/2010	501455 2	6678404 9	202.6
R20147	5 98	168	12 5	20	2	11	0	22/07/2010	500822 2	6678120 5	202 5
R20148	5 89	167	13 0	17	2	11	0	22/07/2010	500077 7	6676859.3	198 7
R20149	6 11	157	13 2	20	2	2	0	22/07/2010	501182 8	6676989 7	203.9
R20150	6 14	84	13 0	18	2	11	0	22/07/2010	503158 7	6675763 4	201 4
R20151	6 27	110	13 1	18	2	11	0	22/07/2010	503152 5	6675557 4	201.5
R20152	6 04	83	12 8	6	2	11	0	22/07/2010	503922 4	6675668 2	197 2
R20153	5 98	161	12 8	18	2	11	0	22/07/2010	505432 7	6675077 6	202 6
R20154	6 09	80	12 8	24	2	11	0	22/07/2010	506537 9	6674308 2	208 8
R20155	6 05	188	12 7	7	2	11	0	22/07/2010	507644 9	6674013 0	213 7
R20156	5 77	183	12 6	10	2	11	0	22/07/2010	508119 3	6673815 4	216 5
R20157	6 23	162	12 6	25	2	2	0	22/07/2010	508215 9	6672915 0	208 9
R20158	5 95	100	12 6	17	2	2	0	22/07/2010	509100 8	6671806 0	208 9
R20159	5 98	209	12 8	7	2	11	0	22/07/2010	508628 6	6670942 2	223 2
R20160	6 05	158	12 8	12	2	2	0	22/07/2010	507860 6	6671530 2	201 9
R20161	5 70	193	12 5	5	2	2	0	22/07/2010	507549 2	6671906 8	210 7
R20162	5 80	184	12.5	12	2	11	0	22/07/2010	507374.7	6672874 4	209 6
R20164	5 62	153	12 6	7	2	11	0	22/07/2010	506411 0	6673503 3	208 3
R20165	5 93	170	12 5	7	2	11	0	22/07/2010	505986 1	6673487 6	201 1
R20166	6 03	156	12 7	5	2	10	0	22/07/2010	505349 5	6674175 0	198 9
R20168	6 20	168	12 7	17	2	2	0	22/07/2010	502990 0	6675017 5	197 3
R20169	6 38	89	12 6	17	2	2	0	22/07/2010	502160.1	6674551 5	194 8
R20170	6 11	62	12 6	17	2	2	0	22/07/2010	501398 6	6674483 2	194 9
R20171	6 13	127	12 6	7	2	7	0	22/07/2010	500255 6	6675494 5	194 7
R20172	6 12	180	12 6	10	2	2	0	22/07/2010	500145 2	6676397.3	196 4
R20173	6 04	71	12.7	7	2	7	0	22/07/2010	499555.6	6676480.6	206 5
R20174	6 04	192	12 9	15	2	2	0	22/07/2010	498782 5	6676492 5	194 3
R20175	6 12	84	13 2	12	2	2	0	22/07/2010	497579 4	6675994 6	186 8
R20176	5 77	214	12 8	8	2	11	0	22/07/2010	496188 2	6675784 0	186 8
R20177	5 92	159	13 0	15	2	2	0	22/07/2010	494720 2	6675713 5	167 8
R20178	5 90	183	13 0	8	2	11	0	22/07/2010	493787 2	6676116 5	155 0
R20179	6 05	114	13 2	7	2	7	0	22/07/2010	493104 8	6676065 6	154 9

Sample#	pH	ORP (mV)	Temp (°C)	Depth (m)	Int	Colr	Cont	Date (dd/mm/yyyy)	X UTM	Y UTM	Z m
R20180	5 93	124	12 9	4	2	11	0	22/07/2010	491923 4	6676006 1	160 9
R20181	5.85	149	13 1	4	2	11	0	22/07/2010	490936 0	6676492 3	166 4
R20182	6 33	150	13 3	18	2	10	0	22/07/2010	489844 4	6676564 9	147 7
R20183	5 95	70	13 4	20	2	2	0	22/07/2010	489335 3	6676941 8	163 8
R20184	5 93	174	13 2	13	2	11	0	22/07/2010	488731.2	6677363 2	151 8
R20185	5 46	238	15 9	4	2	11	0	23/07/2010	490032 4	6680662 4	164 7
R20186	5 75	92	15 0	10	2	11	0	23/07/2010	491887 0	6681092 2	154 9
R20187	5 98	149	15 0	6	3	2	0	23/07/2010	493184 5	6681296 1	154 9
R20188	5 99	76	14 7	5	2	12	0	23/07/2010	494462 9	6681885 5	155 9
R20189	6 15	42	15 0	7	2	12	0	23/07/2010	495093 1	6683114 0	165 1
R20190	6 08	136	15 4	8	2	12	0	23/07/2010	495938 6	6683963 1	178 0
R20191	6 37	-10	14 9	7	2	12	0	23/07/2010	498731 9	6685127 4	180 1
R20193	6.16	-7	14 7	25	2	6	0	23/07/2010	500438 0	6685927 3	218 4
R20194	6 39	19	15 2	8	2	11	0	23/07/2010	501007 4	6686651 7	231 3
R20195	5 77	80	18 7	15	2	11	0	23/07/2010	501409 4	6687623 9	227 4
R20196	5 60	239	18 4	10	2	6	0	23/07/2010	501610 9	6688876 7	227 5
R20197	5.46	205	18 3	7	2	11	0	23/07/2010	501757 7	6689303 0	227 5
R20198	6 05	63	18 4	10	2	10	0	23/07/2010	502201 6	6690500 2	239 4
R20199	6 39	-98	18 5	15	2	6	0	23/07/2010	502405.5	6691003.4	237 5
R20200	5 66	192	18 7	10	2	11	0	23/07/2010	502966 4	6691674 9	211.4
R20201	6 11	171	18 9	15	2	11	0	23/07/2010	503303 3	6692595 5	213 0
R20202	6 12	160	18 6	2	2	11	0	23/07/2010	505067 4	6692438 2	258 9
R20203	6 31	-108	18 4	30	2	12	0	23/07/2010	505174 2	6694073 1	211 3
R20204	6 18	52	18 4	15	2	2	0	23/07/2010	507019 8	6694822 8	211 5
R20205	5 79	244	18 2	20	2	2	0	23/07/2010	506326 3	6695618 0	211 4
R20206	6 07	94	18 2	2	2	12	0	23/07/2010	506534 2	6697098 6	214 7
R20207	6 21	-34	18 2	12	2	11	0	23/07/2010	506871 7	6698448 7	210 8
R20208	6 18	27	18 1	8	2	12	0	23/07/2010	506352 7	6699711 6	224 4
R20209	5 86	90	18 2	8	2	12	0	23/07/2010	505792 7	6699583 1	210 8
R20210	6 46	-108	18.2	20	2	12	0	23/07/2010	505541 6	6698641 1	210 9
R20211	5 88	129	18 2	6	2	2	0	23/07/2010	505564 7	6697277 5	211 0
R20212	5 75	162	18 1	5	2	11	0	23/07/2010	504975 3	6695934 7	231 9
R20213	6 00	93	18 0	4	2	11	0	23/07/2010	504625 5	6695041 9	211 5
R20214	5 59	189	18 3	15	2	11	0	23/07/2010	503233 8	6694608 3	211 6
R20215	5 86	70	18 6	7	2	12	0	23/07/2010	504162 8	6693629 5	212 5
R20216	6 09	115	18 3	7	2	12	0	23/07/2010	502702 2	6693799 7	211 5
R20217	6 15	-13	18 4	20	2	12	0	23/07/2010	501669 7	6691373 2	229 2
R20218	5 97	131	18 3	4	2	11	0	23/07/2010	501281 3	6690367 0	245.0
R20219	5 97	70	18 4	5	2	11	0	23/07/2010	500642 9	6689779 8	235 6
R20220	6 10	112	18 1	8	2	12	0	23/07/2010	500020 5	6689465 1	199 4
R20221	5 93	243	18 0	15	2	12	0	23/07/2010	500819 9	6688667 9	228 0
R20222	5 80	184	17 7	20	2	12	0	23/07/2010	500240 9	6687880 2	240 9
R20223	6 28	-10	18 4	20	2	12	0	23/07/2010	500507 0	6686781 8	244 4

Sample#	pH	ORP (mV)	Temp (°C)	Depth (m)	Int	Colr	Cont	Date (dd/mm/yyyy)	X UTM	Y UTM	Z m
R20224	6 21	12	18.4	20	2	11	0	23/07/2010	499618 7	6686239 4	212 9
R20226	6 54	-84	18 2	20	2	11	0	23/07/2010	497880 3	6685623 7	191 6
R20227	6 04	61	18 6	5	2	11	0	23/07/2010	497025 6	6685307 6	222 4
R20228	6 43	-49	18 6	10	2	12	0	23/07/2010	496135 7	6684522 3	199 7
R20229	6 25	15	18 2	8	2	11	0	23/07/2010	495765 2	6684870 5	193 6
R20230	5 98	103	18 7	10	2	11	0	23/07/2010	496065 7	6685732 8	186 3
R20231	6 11	160	18 8	3	2	11	0	23/07/2010	494679 3	6685328 5	180 0
R20232	6 26	0	19 0	8	2	11	0	23/07/2010	495257 6	6684548 6	197 5
R20233	6 68	-113	18 8	8	2	11	0	23/07/2010	494386 3	6683951 0	158 0
R20234	6 23	15	18 0	10	2	11	0	23/07/2010	493984 9	6682827 0	156 3
R20235	6 18	57	18 4	4	2	12	0	23/07/2010	493172 3	6682828 2	156 4
R20236	6 20	94	18 2	8	1	10	0	23/07/2010	492613 3	6683852 0	155 5
R20237	6 07	147	18 7	5	2	12	0	23/07/2010	491861 6	6682992 5	156 5
R20238	5 70	206	18 4	2	2	11	0	23/07/2010	487781 2	6677180.8	153 4
R20239	5 66	201	18 2	3	2	12	0	23/07/2010	488311 3	6676692 0	151 4
R20240	5 84	235	18 2	6	1	10	0	23/07/2010	490647.1	6675826 5	143 2
R20241	5 77	207	18 2	4	2	12	0	23/07/2010	491480 8	6675497 8	143 1
R20242	5 75	168	18 2	7	2	11	0	23/07/2010	494003 0	6675054 6	159 1
R20243	5 61	152	19 3	6	2	11	0	23/07/2010	495912 2	6675729 7	187 2
R20244	5 80	160	18 9	5	2	12	0	23/07/2010	496035 8	6674601 9	170 1
R20245	5 68	222	18 4	6	3	12	0	23/07/2010	496805 5	6675211 1	175 6
R20246	5 93	33	18 6	5	2	11	0	23/07/2010	498857 6	6675493 7	193 9
R20247	5 85	186	18 8	30	2	12	0	23/07/2010	499608 2	6675631 5	194 9
R20248	6 07	76	19 1	6	2	2	0	23/07/2010	500080 7	6674849 1	191 1
R20249	5 94	172	19 2	8	2	12	0	23/07/2010	500168 0	6674260 1	190 4
R20250	5 79	132	19 7	20	2	11	0	23/07/2010	500602 9	6674145 9	190 3
R20251	5 75	118	20 1	8	2	10	0	23/07/2010	501675 3	6673725 2	194 9
R20252	5 84	122	20 0	15	2	12	0	23/07/2010	502060 5	6674102 1	197 3
R20253	5 73	203	19.4	4	2	12	0	23/07/2010	503753 5	6673452 4	203 7
R20254	6 16	134	19 6	10	2	12	0	23/07/2010	505345 4	6672782 4	197 3
R20255	5 86	77	20 7	12	2	12	0	23/07/2010	506598 4	6672681 9	213 0
R20256	5 97	59	20.7	6	2	12	0	23/07/2010	507045 3	6672341 8	212 3
R20257	5 93	150	19 4	9	2	11	0	23/07/2010	507000 6	6671279 8	202 5
R20258	5 61	178	19 9	8	2	11	0	23/07/2010	507521 7	6670784 6	201 4
R20259	5 89	103	19.3	12	2	12	0	23/07/2010	507990 6	6670549 1	205 3
R20260	5 94	183	19 5	11	2	11	0	23/07/2010	508952 9	6669940 9	227 2
R20261	5 73	206	19 8	12	2	11	0	23/07/2010	508476 9	6668300 6	220 6
R20262	5 92	141	20 4	6	2	11	0	23/07/2010	507489 0	6669289 3	201 4
R20263	5.87	223	19 2	5	2	12	0	23/07/2010	507674 3	6670077 6	205.2
R20264	6 02	162	19.4	9	2	11	0	23/07/2010	506381 6	6670779 5	205 4
R20265	6 53	149	19 2	20	2	12	0	23/07/2010	505874 7	6671435 9	199 1
R20266	5 87	216	19 5	9	2	11	0	23/07/2010	505728 9	6671970 5	203 2
R20267	5 74	216	20 1	6	2	10	0	23/07/2010	505122 1	6672051 7	197 3

Sample#	pH	ORP (mV)	Temp (°C)	Depth (m)	Int	Colr	Cont	Date (dd/mm/yyyy)	X UTM	Y UTM	Z m
R20269	5 80	140	20 9	16	2	11	0	23/07/2010	504109 4	6672725 5	197 5
R20271	6 04	212	19 9	15	2	12	0	23/07/2010	499020 7	6673646 1	190 3
R20272	5 82	122	20 1	15	2	11	0	23/07/2010	497897 4	6674599 8	189 8
R20273	5 96	216	19 0	8	2	12	0	23/07/2010	495392 4	6674272 1	172 3
R20274	5 91	117	20 5	12	2	12	0	23/07/2010	493973 4	6674281 7	159 2
R20275	6 00	217	21 3	8	2	11	0	23/07/2010	493330 9	6674579 2	155 1
R20276	5 90	233	21 0	8	2	11	0	23/07/2010	492662 8	6674603 9	154 0
R20277	5 82	226	22 7	4	1	11	0	23/07/2010	491969.0	6681945 2	155 8
R20278	5 89	224	22 5	4	3	11	0	23/07/2010	493383.7	6681866 3	156 4
R20279	5 91	218	21 4	3	2	11	0	23/07/2010	495733 2	6686032 8	190 0
R20280	6 29	-14	22 0	20	2	11	0	23/07/2010	496703 3	6686385.0	180 1
R20281	5 86	223	21 8	4	1	11	0	23/07/2010	497289 6	6686368 6	193 3
R20282	5 86	60	22 7	15	2	11	0	23/07/2010	498377 6	6686219 3	188 9
R20283	6 05	73	21 3	4	1	11	0	23/07/2010	498853 4	6686782 2	214 4
R20284	5.98	195	21 8	2	2	11	0	23/07/2010	499762 7	6687203 0	226 6
R20285	5.89	106	21 0	10	2	11	0	23/07/2010	499399 2	6687985 2	210 0
R20286	5 89	183	21 4	5	2	11	0	23/07/2010	499464.7	6688459 9	199 8
R20287	5 93	168	21 4	2	3	11	0	23/07/2010	499247 5	6689173 3	191 3
R20288	5 75	121	22 0	7	1	11	0	23/07/2010	499977 9	6690347 7	220 0
R20289	5 98	201	21 1	5	1	2	0	23/07/2010	501130.6	6692291.3	219 3
R20290	5 63	153	21 7	4	2	2	0	23/07/2010	502032 6	6692809 6	215 8
R20292	5 97	232	22 7	3	1	11	0	23/07/2010	502102 7	6694067 8	211 7
R20293	5 64	152	21 5	14	2	11	0	23/07/2010	502859 9	6695544 1	211.7
R20294	6 08	228	21 7	15	2	2	0	23/07/2010	504303 8	6696252 5	211 8
R20295	6 35	34	21 9	12	2	6	0	23/07/2010	505085 9	6697066 5	211 4
R20296	5 69	125	22 1	10	3	2	0	23/07/2010	505140.9	6699527 3	211 5
R20297	6 03	80	21 6	8	1	11	0	23/07/2010	503363 7	6700077 5	214 7
R20298	5 89	205	22 3	10	3	11	0	23/07/2010	502712 5	6699619 6	214 5
R20299	5 81	133	21 5	5	2	2	0	23/07/2010	503646 0	6698739 8	211 2
R20300	5 99	149	21 8	15	1	3	0	23/07/2010	504409 6	6698125 4	211 1
R20301	5 87	215	22 1	7	2	11	0	23/07/2010	504129 8	6697330.3	211 2
R20302	5 85	162	21 6	10	2	11	0	23/07/2010	503079 5	6696589 8	211 4
R20303	5 97	101	21 3	2	1	11	0	23/07/2010	503408 5	6696354 3	226 6
R20304	5 75	191	21 3	2	2	11	0	23/07/2010	501773 0	6694983 4	222 1
R20305	5 93	183	21 4	4	2	2	0	23/07/2010	500752 9	6693447 0	219 4
R20306	6 00	199	22 1	10	2	11	0	23/07/2010	500314 0	6691995 6	212 9
R20307	5 80	228	22 9	4	1	11	0	23/07/2010	499187 9	6691277 8	216 2
R20308	5 83	200	21 8	4	2	11	0	23/07/2010	498303 7	6690357 8	185 5
R20309	5 69	212	21 5	4	2	11	0	23/07/2010	498304 2	6690004 1	182 7
R20310	5 84	146	21 5	12	3	11	0	23/07/2010	498850 0	6688825 8	186 4
R20311	5 84	181	21 5	5	2	11	0	23/07/2010	498500 9	6687717 9	189 3
R20312	5 89	202	22 3	2	2	2	0	23/07/2010	497767 3	6686934 1	217 1
R20313	5 84	96	22 1	10	1	11	0	23/07/2010	495316 2	6686463 7	178 3
R20314	6 07	72	22 2	6	2	12	0	23/07/2010	491530.3	6674488 8	142 8
R20315	5 86	23	21 8	4	2	11	0	23/07/2010	492726 6	6673411 6	176.3
R20316	5 71	137	21 4	9	2	11	0	23/07/2010	494009 7	6673032 9	183 3
R20317	5 57	176	22 0	7	2	10	0	23/07/2010	495217 8	6673039 2	183 3
R20318	5 63	216	22 3	15	2	11	0	23/07/2010	496457 8	6673140.6	215 2
R20320	5 63	258	22 8	7	2	10	0	23/07/2010	497843 9	6673385 2	196 3
R20321	5 73	147	21 9	7	1	2	0	23/07/2010	498043 7	6672452 4	196 5
R20322	6 02	238	22 7	8	2	12	0	23/07/2010	498951 3	6671958 7	194 5
R20323	6 11	102	21 5	6	2	11	0	23/07/2010	502145 7	6671893 8	196 2
R20324	5 79	139	21 7	15	2	12	0	23/07/2010	503244 0	6671868.7	199 1
R20325	5 82	146	22 3	13	2	10	0	23/07/2010	504267 8	6671194 9	200 4
R20326	5 77	224	22 1	8	2	11	0	23/07/2010	505746 8	6670042 3	199 0
R20327	5 84	236	22 0	5	2	12	0	23/07/2010	508540 8	6668142 9	220.4
R20328	5 52	263	22 3	5	2	12	0	23/07/2010	508613 6	6666705 5	204 3
R20329	5 71	121	22 3	6	2	12	0	23/07/2010	507902 0	6666251 6	198 2
R20330	5 66	193	22 8	8	2	12	0	23/07/2010	508105 5	6664767 4	198 0
R20332	6 02	234	22 4	10	2	12	0	23/07/2010	506711 8	6666250 3	211.4
R20333	5 96	60	22 0	6	2	12	0	23/07/2010	504099 1	6669700 8	202 1
R20334	5 79	184	21.2	10	2	10	0	23/07/2010	503724 0	6670606 0	200 2
R20336	5 71	169	22 3	8	2	12	0	23/07/2010	501570 2	6670697 3	194 6
R20337	6 02	135	22 9	6	2	11	0	23/07/2010	495865 4	6671717 6	184 5
R20338	6 02	41	17 0	5	2	2	0	24/07/2010	495099 9	6686373 0	178.1
R20339	5 73	127	17 0	7	2	2	0	24/07/2010	497628 6	6686838.0	216 7
R20340	5 55	187	17 7	4	2	2	0	24/07/2010	497880 5	6688666.5	194 4
R20341	5 62	88	18 9	5	2	14	0	24/07/2010	497998 2	6689505 2	182 5
R20342	5 56	190	17 4	8	2	5	0	24/07/2010	498354 7	6691680 8	204 8
R20343	5 93	69	18 1	12	2	14	0	24/07/2010	499313 6	6692369 1	212 9
R20344	5 76	222	18 2	5	2	14	0	24/07/2010	499829 2	6692982 9	212 8
R20345	6 09	54	18 6	10	2	14	0	24/07/2010	500225 6	6694290 0	211.4
R20346	5 67	216	17 9	12	2	14	0	24/07/2010	500776 3	6695072 0	234 5
R20347	5 90	135	17.9	3	2	14	0	24/07/2010	501668 3	6696521 1	234 0
R20348	5 93	228	17 9	3	2	14	0	24/07/2010	502400 5	6696638.6	221 9
R20349	5 93	153	18 1	20	2	14	0	24/07/2010	502656 8	6697481.9	211 0
R20350	5 98	224	18.0	12	2	14	0	24/07/2010	502202 9	6698225.6	210 9
R20351	5 95	45	17 9	10	2	12	0	24/07/2010	502307 3	6700036 6	222 0
R20353	5 85	166	18 0	10	2	12	0	24/07/2010	503407 3	6700691 3	233 4
R20354	5 70	201	18 8	3	2	14	0	24/07/2010	504570 9	6700858 7	249 6
R20355	6 04	133	18 4	8	2	14	0	24/07/2010	505831 9	6700259 9	246 4
R20356	6 30	195	18 4	15	2	14	0	24/07/2010	506920 0	6700878 0	219.2
R20357	6 05	171	18 4	15	2	14	0	24/07/2010	506536 2	6701783 5	218 2
R20358	5 77	222	18 6	8	2	14	0	24/07/2010	506150 5	6701951 6	236 7
R20359	6 13	10	13 7	15	2	10	0	26/07/2010	496948 9	6687385 0	178 2
R20360	5 84	236	13 3	13	2	12	0	26/07/2010	497053 5	6688002 3	178 2

Sample#	pH	ORP (mV)	Temp (°C)	Depth (m)	Int	Colr	Cont	Date (dd/mm/yyyy)	X UTM	Y UTM	Z m
R20361	6 00	110	14 1	8	2	12	0	26/07/2010	497092 3	6689011 6	178 2
R20362	6 01	150	13 9	6	2	12	0	26/07/2010	497319 4	6689924 4	178 3
R20363	5 98	148	12 9	7	2	12	0	26/07/2010	497560 1	6690838 4	178 1
R20364	5 93	182	14 5	11	3	2	0	26/07/2010	498277 6	6691707 0	204.9
R20365	5 88	149	13 9	7	2	11	0	26/07/2010	498137 9	6693075 6	232 4
R20366	5 75	143	13.4	12	2	12	0	26/07/2010	499617 7	6694227 1	224.0
R20367	5 81	152	14 0	10	2	11	0	26/07/2010	499773 2	6694802 3	211 6
R20368	5 82	169	13 5	13	2	10	0	26/07/2010	500319 0	6695582 7	220.2
R20369	5 95	74	13 4	12	2	11	0	26/07/2010	500627 8	6696062 7	204 0
R20370	5 68	189	13 8	13	2	12	0	26/07/2010	501566 7	6697014 7	215 5
R20371	5 91	183	13 6	4	2	11	0	26/07/2010	501675 1	6697720 3	240 8
R20372	5 56	196	13 7	3	2	11	0	26/07/2010	500927 3	6698768 8	198 3
R20374	6 14	76	13 9	8	2	12	0	26/07/2010	502376 2	6700021 5	222.1
R20375	5 63	211	14 2	5	2	11	0	26/07/2010	502699 6	6700934 8	235.5
R20376	5 91	200	13 7	8	2	11	0	26/07/2010	504033 2	6702420 7	219 1
R20377	5 84	208	14 9	10	2	2	0	26/07/2010	504697 0	6702325 6	221 1
R20378	5 86	147	13 3	7	2	11	0	26/07/2010	505571 9	6702444 2	221 2
R20379	5 86	211	13 9	4	2	11	0	26/07/2010	506196 2	6703957 7	218 6
R20380	5 98	173	13 4	25	2	11	0	26/07/2010	505245 4	6703251 7	221 2
R20381	6 02	204	14 0	5	2	11	0	26/07/2010	503286 5	6703024 4	220 4
R20382	6 00	94	13 4	8	2	11	0	26/07/2010	502743 2	6702601 2	220 5
R20383	5 84	220	14 4	4	2	11	0	26/07/2010	502338 0	6702126 2	247 6
R20384	5 81	216	14 3	6	2	11	0	26/07/2010	501525 8	6700978 4	224 9
R20385	5.86	72	14 0	8	2	11	0	26/07/2010	500713 6	6700329 4	211 8
R20386	6 01	98	13 7	2	2	10	0	26/07/2010	500297 3	6699161 6	198 4
R20387	5 85	218	14.1	3	2	12	0	26/07/2010	501006 0	6698150 9	198 4
R20388	6 00	75	13 9	7	2	12	0	26/07/2010	500530 2	6697230 6	198 3
R20389	5.83	200	14 3	10	2	12	0	26/07/2010	499889 3	6696079 0	226.4
R20390	5 62	211	15 0	6	2	11	0	26/07/2010	498892 4	6695769 2	217 3
R20391	6 35	2	13 4	1	2	12	0	26/07/2010	498539 8	6694737 8	212 2
R20392	5 98	114	14 2	12	2	11	0	26/07/2010	498512 1	6693898 4	225 9
R20393	5 79	158	13.9	15	2	11	0	26/07/2010	497109 0	6692423 3	208 9
R20394	5 70	81	13 6	15	2	10	0	26/07/2010	496825 3	6691001 3	215 8
R20395	6 20	1	14 0	15	2	11	0	26/07/2010	496430 2	6689704 1	178 4
R20396	6 18	13	14 3	5	2	2	0	26/07/2010	496096 4	6688338 0	178.3
R20397	5 93	110	13 9	1	2	12	0	26/07/2010	495558 2	6687879 1	185 3
R20398	5 66	180	11 5	8	2	14	0	27/07/2010	488350 3	6676672 2	151 5
R20399	5 70	242	12 0	8	2	14	0	27/07/2010	488848 2	6675869 6	142 2
R20400	5 97	246	12 1	5	2	11	0	27/07/2010	489175 5	6675379 6	142 3
R20401	6 05	134	12 6	3	2	14	0	27/07/2010	489565 5	6674626 7	142 3
R20402	5 83	174	10 9	2	2	14	0	27/07/2010	490601 0	6674730 6	142 5
R20403	6 38	81	11 7	5	2	11	0	27/07/2010	491406 4	6673424 8	143 8
R20404	5 85	63	11 4	5	2	14	0	27/07/2010	493013 7	6672659 2	170 2

Sample#	pH	ORP (mV)	Temp (°C)	Depth (m)	Int	Colr	Cont	Date (dd/mm/yyyy)	X UTM	Y UTM	Z m
R20405	6 01	113	12 0	2	2	12	0	27/07/2010	494051 1	6672107 6	199 6
R20406	5 59	217	12 1	12	2	10	0	27/07/2010	496763 3	6671026 2	202 2
R20407	5 76	153	12 2	10	2	14	0	27/07/2010	497850 2	6670613 5	201.2
R20408	5 93	130	12.3	5	2	12	0	27/07/2010	499013 5	6670231 2	202 7
R20409	6 03	200	12 9	15	2	10	0	27/07/2010	501573 6	6669800.6	202 6
R20410	6 01	129	12 5	10	2	14	0	27/07/2010	502602 9	6670432 8	202 1
R20411	5 82	152	12 7	10	1	14	0	27/07/2010	503151 7	6670008 7	200 2
R20412	6.00	145	12 1	7	2	14	0	27/07/2010	504485 4	6668476 3	205 2
R20413	5 73	150	11 7	8	3	14	0	27/07/2010	507251 4	6667534 0	218 2
R20414	6 09	145	12 0	5	2	14	0	27/07/2010	509232 0	6667212 5	207 9
R20415	6 11	184	12 0	5	2	14	0	27/07/2010	509256 0	6668752 7	215 4
R20416	6 29	162	11 9	5	1	14	0	27/07/2010	509654 1	6670312 0	218 2
R20417	5 80	218	12 3	2	2	2	0	27/07/2010	509715 5	6670890 2	220 8
R20418	6 06	154	12.5	5	2	11	0	27/07/2010	510086 9	6672435 4	203 1
R20419	5 83	116	12 9	5	2	14	0	27/07/2010	510285 4	6673516 1	211 1
R20420	5 92	40	13 1	13	2	14	0	27/07/2010	512315 4	6673508 9	208 6
R20421	6 08	58	12 9	3	2	2	0	27/07/2010	512177 9	6673251 9	216 3
R20422	6 15	93	12 6	3	2	2	0	27/07/2010	513291 4	6672303 2	208 7
R20423	6 16	107	12 9	5	2	11	0	27/07/2010	510094 3	6672444 2	203.0
R20424	6 00	170	12 8	5	2	11	0	27/07/2010	510990 7	6671254 7	197 2
R20425	6 07	121	12 8	15	3	14	0	27/07/2010	509988 6	6669801 2	198 0
R20426	5 70	185	13 3	8	2	14	0	27/07/2010	510211 7	6668824 1	204 3
R20427	6 21	135	13 6	15	2	11	0	27/07/2010	509780 1	6667686 4	201 9
R20428	6 32	173	14 0	5	2	14	0	27/07/2010	509176 8	6666526 4	209 4
R20429	5 94	97	14 1	7	2	12	0	27/07/2010	507276 1	6665933 2	205 4
R20430	5 91	115	14 0	5	2	14	0	27/07/2010	505761 5	6666371 1	208 1
R20432	5.76	155	14 1	15	2	14	0	27/07/2010	504919 2	6667311 9	204 9
R20433	5.88	163	13 7	6	2	14	0	27/07/2010	503505 8	6669383 5	207 3
R20434	6 18	152	13 7	2	2	14	0	27/07/2010	502771 1	6669624 4	205 3
R20436	5 94	123	13 6	7	2	12	0	27/07/2010	495098 2	6671017 2	199 4
R20437	6 04	186	13 6	8	2	14	0	27/07/2010	494837 5	6671147 3	188 1
R20438	5 87	163	13 9	4	2	12	0	27/07/2010	494224 7	6671583 9	204 8
R20439	6 04	159	14.1	7	2	12	0	27/07/2010	490244 1	6673753 1	145 0
R20440	6 25	47	15 0	20	2	12	0	27/07/2010	488176 2	6675969 1	141 8
R20441	6 12	68	14 5	10	2	2	0	27/07/2010	498042 3	6684453 2	207.8
R20442	5 86	185	14 4	3	2	12	0	27/07/2010	499656 0	6684157 0	194 5
R20443	5 77	216	14 3	7	2	14	0	27/07/2010	498749 6	6683704 2	160 8
R20444	5 97	141	14 3	7	2	11	0	27/07/2010	499150 5	6682778 8	187 1
R20445	5 90	173	14 3	5	2	14	0	27/07/2010	498276 5	6682803 6	160 7
R20447	5 93	145	14 3	10	2	14	0	27/07/2010	497526 6	6682421 8	156 3
R20448	6 38	-13	14 7	18	2	11	0	27/07/2010	496879 2	6682227 7	156 3
R20449	5 89	170	14 6	10	2	12	0	27/07/2010	496905 2	6681208 4	169 0
R20450	6 01	150	14 3	5	2	14	0	27/07/2010	496729 3	6678693 7	214 9

Sample#	pH	ORP (mV)	Temp (°C)	Depth (m)	Int	Colr	Cont	Date (dd/mm/yyyy)	X UTM	Y UTM	Z m
R20451	6 16	92	14 6	10	2	14	0	27/07/2010	495424 4	6675227 7	168 6
R20452	5 83	189	16 0	6	2	14	0	27/07/2010	493865 0	6670621 4	206 4
R20453	5 93	189	16 1	7	2	14	0	27/07/2010	494462 3	6670183 5	189 6
R20454	5 93	152	15 5	3	2	14	0	27/07/2010	495366 1	6670297 8	191 7
R20455	6 02	104	16 2	5	2	14	0	27/07/2010	496618 5	6669444 3	191 6
R20456	6 02	191	15 7	5	2	14	0	27/07/2010	498991 1	6668377 6	198 4
R20457	5 71	244	16 6	5	2	10	0	27/07/2010	500639 2	6668581 7	202 7
R20458	5 94	142	15 9	7	2	14	0	27/07/2010	501241 8	6668687 8	205 7
R20459	5 77	172	16 6	10	2	14	0	27/07/2010	502153 4	6668258 7	202.9
R20460	6 00	221	15 9	3	2	14	0	27/07/2010	503221 9	6667420 9	219 7
R20461	5 45	147	19 7	5	2	14	0	27/07/2010	505590 7	6665756 0	208 3
R20462	6 24	26	18 3	7	2	12	0	27/07/2010	506544 0	6665490 9	203 7
R20463	5 97	118	18 7	7	2	14	0	27/07/2010	508358 7	6665409 8	204 8
R20464	5 80	147	18 0	17	2	14	0	27/07/2010	509247 5	6665401 2	209 9
R20465	5 91	134	18 2	10	2	14	0	27/07/2010	504357 6	6665668 5	205 2
R20466	6 20	175	17 5	7	2	14	0	27/07/2010	501483 8	6667897 3	206 3
R20467	6 20	158	17.9	7	2	14	0	27/07/2010	500494 8	6667908 5	224 5
R20468	6 03	169	19 0	5	2	14	0	27/07/2010	499331 2	6667919 9	215 2
R20469	5 96	77	19 3	5	2	11	0	27/07/2010	498016 3	6668043 6	193 4
R20470	6 08	165	19 6	3	2	14	0	27/07/2010	496432 2	6668844 7	193 2
R20471	5 90	134	18.5	3	2	11	0	27/07/2010	493728 9	6687402 2	183 2
R20472	5 70	162	17 7	4	2	11	0	27/07/2010	495270 0	6689568 2	218 3
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R20475	6 01	142	18 2	6	2	11	0	27/07/2010	495436 8	6692114 6	203 8
R20476	5 91	158	18 8	5	2	11	0	27/07/2010	496554 7	6694821 1	201 7
R20477	5 57	195	20 7	2	2	2	0	27/07/2010	496955 7	6695387 7	210 4
R20478	5 98	140	18 5	5	2	11	0	27/07/2010	498429.3	6696324 8	216 5
R20479	5 90	198	17 7	4	2	12	0	27/07/2010	499293.3	6697929 9	226 6
R20480	5 91	142	17 4	9	2	12	0	27/07/2010	498356 7	6699174 3	218 8
R20481	5 82	143	17 5	4	2	11	0	27/07/2010	499141 5	6699560 5	248 1
R20482	5 92	188	18 7	4	2	11	0	27/07/2010	499410 8	6700946 3	229 0
R20484	6 08	154	20 7	4	2	11	0	27/07/2010	499793 9	6701492 8	212 1
R20485	5 82	204	19 1	9	2	7	0	27/07/2010	499364.9	6701900 0	221.4
R20486	6 10	192	17 6	7	2	11	0	27/07/2010	501689.7	6704258 4	214 5
R20487	6 09	150	17.6	6	2	11	0	27/07/2010	503686 2	6705114 2	218 5
R20488	5 76	202	17 5	6	2	11	0	27/07/2010	504485 6	6705395 4	224 0
R20489	5 94	152	18.0	4	2	12	0	27/07/2010	504901 7	6706526 1	242 8
R20490	5 95	146	19 1	6	2	11	0	27/07/2010	503783 1	6705747 9	227.6
R20491	5 88	89	20 8	14	2	6	0	27/07/2010	503480 5	6705726.0	227 6
R20492	6 21	-25	19 5	9	2	12	0	27/07/2010	503167 9	6705230 9	227 0
R20493	6 16	128	19 2	5	2	11	0	27/07/2010	499660 3	6703104 8	249 0
R20495	6 14	31	18 8	6	2	11	0	27/07/2010	498731.8	6701347 4	197 5
R20496	5 74	74	18 8	6	2	11	0	27/07/2010	499059 4	6700098 6	255 7
R20497	5 95	39	19 1	10	2	11	0	27/07/2010	497861 0	6698257.7	191 7
R20498	5 89	64	19 4	7	2	11	0	27/07/2010	498281 9	6697182 9	195 3
R20499	5 87	73	20 2	4	2	11	0	27/07/2010	496375 4	6695768 0	216 9
R20500	5 72	146	21 2	2	2	11	0	27/07/2010	496037 8	6694449 5	219 8
R20501	5 87	96	20 9	4	2	11	0	27/07/2010	495013 2	6692534.6	206 8
R20502	5 98	104	20 9	8	2	12	0	27/07/2010	494672 1	6691568 3	206 1
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R20504	5 83	118	20 8	3	2	2	0	27/07/2010	493771.1	6688825.4	196 3
R20505	5 90	104	21 2	6	2	12	0	27/07/2010	493298 2	6688123 8	186 2
R20506	5 82	148	21 4	4	2	10	0	27/07/2010	492391 0	6687876 0	178 1
R20507	5 71	106	17 6	15	2	12	0	28/07/2010	492216 1	6687085 8	178 0
R20508	5 70	90	16 4	11	2	12	0	28/07/2010	494356 6	6687541 4	177 8
R20509	5 83	124	15 9	7	2	12	0	28/07/2010	494761 1	6688355 1	180 2
R20511	5.39	164	16 5	3	2	12	0	28/07/2010	495464 8	6688930 3	178 3
R20512	6 20	151	17 2	6	2	11	0	28/07/2010	495689 4	6689795 7	196 1
R20513	5 92	73	17 1	4	2	10	0	28/07/2010	496393.5	6690768 6	211 3
R20514	5 84	154	17 2	8	2	10	0	28/07/2010	496481 5	6691689 0	203 9
R20515	6 17	29	17 4	12	2	10	0	28/07/2010	496735 3	6692413 7	208 6
R20516	5 73	151	17 3	9	2	12	0	28/07/2010	497224 2	6693205 3	199 9
R20517	5 71	142	16 5	8	2	11	0	28/07/2010	497191 9	6694188.8	201 8
R20518	6 04	50	17 6	4	2	12	0	28/07/2010	497822 6	6694759 3	229 4
R20519	5 65	83	18 3	10	2	6	0	28/07/2010	498173 4	6695673 0	224 3
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R20522	5 58	143	17 7	3	2	2	0	28/07/2010	499920 2	6699927 3	226 5
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R20524	5 78	89	18 1	7	2	12	0	28/07/2010	500188 7	6701943 4	234 7
R20525	5 80	105	19 6	3	2	12	0	28/07/2010	500711 2	6702270 1	220 9
R20526	6 04	115	18.9	7	2	12	0	28/07/2010	502651 3	6703597 1	218 9
R20527	5 76	115	17 7	9	2	10	0	28/07/2010	503720 1	6704116 9	218 7
R20528	5 69	138	17 5	12	2	11	0	28/07/2010	504861 0	6704305 5	217 3
R20530	5 84	141	18 7	6	2	12	0	28/07/2010	505033.4	6705621 5	213 1
R20531	6 18	135	17 9	4	2	12	0	28/07/2010	504891 8	6706512.7	242 7
R20532	5 95	54	18 3	3	2	11	0	28/07/2010	505250 4	6707980 1	213 1
R20533	6 18	147	18 9	3	2	11	0	28/07/2010	505178.4	6709146 7	227 3
R20534	5 96	41	18 8	10	2	11	0	28/07/2010	504883.6	6708621 7	213 3
R20535	5 87	152	19 3	3	2	12	0	28/07/2010	503862 8	6708522 9	217 8
R20536	5 90	134	18 0	3	2	11	0	28/07/2010	503687 3	6708800 7	217 8
R20537	5 93	107	19 0	12	2	12	0	28/07/2010	502888 5	6708655.2	236 3
R20538	6 09	111	19 1	3	2	2	0	28/07/2010	501824 4	6708488 0	209 5
R20539	5 98	82	19 3	3	2	2	0	28/07/2010	501788 1	6708838 1	209 5
R20540	6 56	-65	19 6	6	3	2	0	28/07/2010	500634 1	6708425 5	234 7

Sample#	pH	ORP (mV)	Temp (°C)	Depth (m)	Int	Colr	Cont	Date (dd/mm/yyyy)	X UTM	Y UTM	Z m
R20541	5 96	75	18 6	4	2	2	0	28/07/2010	498823 6	6708537 3	265 2
R20542	6 02	57	20 4	3	2	2	0	28/07/2010	498041 7	6708725 9	284 9
R20543	5 91	32	19 4	6	2	12	0	28/07/2010	497026 7	6709502 7	247 2
R20544	6 20	-21	20 4	10	2	11	0	28/07/2010	495666 7	6710450 3	218 7
R20545	5 94	81	19 9	5	3	2	0	28/07/2010	495110 9	6710635 2	218 8
R20546	6 00	47	19 8	1	2	12	0	28/07/2010	494227 0	6711015 9	218.8
R20547	6 04	56	19 2	9	2	11	0	28/07/2010	492672 9	6711941 0	191 1
R20548	5 92	78	19 3	9	2	11	0	28/07/2010	492169.4	6712960 3	191 1
R20549	6.27	-36	19 3	10	2	2	0	28/07/2010	491940 3	6713764.5	195 5
R20550	5 62	119	20 6	4	3	2	0	28/07/2010	491389 2	6714396 4	218 5
R20551	5 57	204	12 8	3	2	14	0	29/07/2010	487719 4	6680124 6	157 4
R20552	5 55	232	12 9	2	2	14	0	29/07/2010	485119 1	6678309 0	136 6
R20553	5 95	118	12 5	5	2	14	0	29/07/2010	484830 9	6675753 3	136 6
R20554	5 68	195	13 0	5	2	14	0	29/07/2010	485932 7	6675167 9	136 6
R20555	5 99	103	12 8	2	2	14	0	29/07/2010	485787 9	6674225 0	138 4
R20556	5 86	115	12 9	3	2	14	0	29/07/2010	485648 1	6673137 7	140 0
R20557	5 20	175	13 2	1	2	12	0	29/07/2010	488614 8	6671575 5	146 7
R20558	5 73	158	13 0	8	2	2	0	29/07/2010	488226 2	6669514 4	136.3
R20559	5 76	156	13 0	5	2	2	0	29/07/2010	489748 2	6666968 6	136 2
R20560	6 11	79	14 7	1	2	12	0	29/07/2010	490598 7	6664603 6	136 3
R20561	5 95	138	13 0	5	2	14	0	29/07/2010	490902 0	6664106 7	141 7
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R20565	6 09	123	13 6	3	2	14	0	29/07/2010	491629 7	6661594 5	140 9
R20566	5 87	142	13 8	12	2	14	0	29/07/2010	491856 4	6659968 2	141 4
R20567	5 76	156	13 6	15	2	14	0	29/07/2010	492921 8	6658997 2	144 8
R20568	6 17	120	13 5	5	2	14	0	29/07/2010	494302 7	6661190 6	153 4
R20569	5 82	178	13 6	2	2	14	0	29/07/2010	494530 6	6661515 2	158 6
R20570	6 12	104	13 6	12	2	14	0	29/07/2010	496815 1	6662519 6	165 6
R20571	6 12	157	13 7	5	2	14	0	29/07/2010	498236 5	6662204 9	185 6
R20573	6 21	121	13 9	10	2	14	0	29/07/2010	499034 3	6662446 0	185.6
R20574	5 84	173	13 7	12	2	14	0	29/07/2010	500695 1	6662600 1	213 6
R20575	5 68	159	13 8	15	2	14	0	29/07/2010	501489 0	6663153 8	206 6
R20576	5 50	122	14 0	8	2	12	0	29/07/2010	502948 8	6662954 8	193 8
R20577	5 86	146	13 9	5	2	14	0	29/07/2010	500733 4	6663567 4	210 9
R20578	5 99	140	14 1	2	2	14	0	29/07/2010	499930 1	6663064 3	193 4
R20579	6 04	138	14.0	5	2	14	0	29/07/2010	497262 0	6663308 5	176 4
R20580	6 08	74	14 2	2	2	14	0	29/07/2010	496217 3	6662835 2	165 6
R20581	6 22	87	14 3	2	2	12	0	29/07/2010	494540 4	6661880 3	159.1
R20582	6 49	80	14 4	3	2	14	0	29/07/2010	493671 8	6661639 6	141 4
R20583	6 05	110	14 5	17	2	14	0	29/07/2010	493518 4	6661200 3	141 4
R20584	6 10	127	14 3	5	2	14	0	29/07/2010	492946 1	6661304 0	141 4
R20585	6 10	131	14 3	5	2	14	0	29/07/2010	492482 8	6662144 0	140 9
R20586	6 00	124	14 2	2	2	14	0	29/07/2010	491586 5	6663010 7	147 0
R20587	6 04	130	14 5	2	2	12	0	29/07/2010	492433 7	6664302 4	147 5
R20588	6 17	124	14 3	2	2	12	0	29/07/2010	490963 8	6664683 8	145 6
R20589	6 15	141	14 1	5	2	11	0	29/07/2010	491252 9	6666257 2	147.2
R20591	6 22	127	14 4	2	2	14	0	29/07/2010	491346 3	6667127 6	147 3
R20592	5 99	154	14 4	12	2	14	0	29/07/2010	490522 7	6668003 4	143 1
R20593	6 13	102	14 4	3	2	12	0	29/07/2010	489256 6	6669775 6	139 2
R20594	5 37	256	20 8	4	2	12	0	30/07/2010	492909 0	6688438 2	180 2
R20595	5 67	193	20 4	5	2	11	0	30/07/2010	493081 2	6688953 7	180 8
R20596	5 52	189	20 9	4	2	11	0	30/07/2010	494330 9	6689956 5	225 2
R20597	5 70	102	20 9	8	2	11	0	30/07/2010	493905 8	6690830 7	200 3
R20598	5 82	215	21 5	4	2	10	0	30/07/2010	494472 7	6692270 2	173 5
R20599	5 78	274	22 1	5	2	11	0	30/07/2010	494384 8	6693715 2	173 4
R20600	5 84	210	20 9	3	2	11	0	30/07/2010	494664 0	6694324 5	173 5
R20601	5 82	123	20 1	4	2	11	0	30/07/2010	495491 1	6694772 7	209 9
R20602	5 71	157	21 1	10	3	2	0	30/07/2010	495577 3	6695790 6	217.8
R20603	5 66	144	21 1	5	2	10	0	30/07/2010	496390 8	6695816 3	216 5
R20604	5 86	207	22 3	4	2	11	0	30/07/2010	497060 5	6697422 4	191 4
R20605	5 77	200	22 3	7	2	12	0	30/07/2010	497347 3	6698452 1	191.4
R20606	5 90	206	21 3	3	2	12	0	30/07/2010	497664 4	6699246 8	225 7
R20607	5 90	216	20 4	4	2	11	0	30/07/2010	498200 3	6699727 6	217 6
R20608	5 92	227	20 6	3	2	11	0	30/07/2010	497289 4	6699706 4	192 3
R20609	5.79	222	20 5	7	2	11	0	30/07/2010	497462 6	6700980 4	188 9
R20610	5 61	178	20 4	5	2	12	0	30/07/2010	498182 8	6701642.9	197 2
R20611	5 58	201	22 2	6	2	2	0	30/07/2010	498250 5	6702858 0	224 9
R20612	5 77	209	20 2	5	2	11	0	30/07/2010	499665 1	6703108 3	248 9
R20613	5 66	216	19 3	3	2	12	0	30/07/2010	500965 7	6705010 9	209 3
R20614	5 91	217	19 6	7	2	11	0	30/07/2010	501116 9	6705654 4	212 6
R20615	5 58	200	20 0	2	2	11	0	30/07/2010	501695 4	6705915 5	212 7
R20616	5 85	190	20 0	3	3	2	0	30/07/2010	502700 3	6706721 4	257 8
R20617	5 78	185	20 6	8	2	12	0	30/07/2010	503374 0	6706691 5	242 1
R20618	5 70	202	20 1	8	2	12	0	30/07/2010	504395 8	6707378 2	212 9
R20619	5 61	197	19.7	7	2	12	0	30/07/2010	504461 5	6708114 3	228 3
R20620	5 70	206	19 5	8	2	6	0	30/07/2010	503155 8	6707474 9	212 8
R20621	6 19	198	19 5	2	2	11	0	30/07/2010	502681 0	6707980 3	240 6
R20622	6 05	201	19 9	4	3	2	0	30/07/2010	501938 4	6708451 0	209 3
R20623	5 74	218	20 2	4	2	2	0	30/07/2010	500984 6	6707755 2	209 4
R20624	5 55	205	19 7	3	2	2	0	30/07/2010	499923 4	6707767 3	204 8
R20625	5 88	14	19 6	3	2	2	0	30/07/2010	499516 2	6707723 9	204 8
R20626	5 74	114	19 7	4	2	2	0	30/07/2010	499039 5	6707588 3	204 8
R20628	5 58	138	19 7	8	2	6	0	30/07/2010	498888 4	6707308 6	204 8
R20629	5 91	137	19 6	4	2	2	0	30/07/2010	496622 2	6708368 0	264 2

Sample#	pH	ORP (mV)	Temp (°C)	Depth (m)	Int	Colr	Cont	Date (dd/mm/yyyy)	X UTM	Y UTM	Z m
R20630	5 89	143	19 8	4	2	12	0	30/07/2010	496299 1	6709019 3	246 7
R20631	5 66	166	20 0	10	2	11	0	30/07/2010	494760 9	6709704 9	245 1
R20632	5 57	183	19 8	3	2	11	0	30/07/2010	493888 2	6709694 3	227 4
R20633	5 66	144	19 8	9	2	2	0	30/07/2010	492956 2	6710840 3	214 8
R20634	5 56	206	20 3	3	2	11	0	30/07/2010	492893 0	6711365 8	192 9
R20635	5 66	265	19 6	5	2	12	0	30/07/2010	491983 5	6712816 7	195 5
R20636	5 80	160	19 3	5	2	10	0	30/07/2010	491333 2	6713307 9	200 1
R20637	5 63	156	19 6	4	2	2	0	30/07/2010	483194 9	6729827 3	220 0
R20638	6 12	22	19 9	10	2	11	0	30/07/2010	482301 2	6729867 6	231 6
R20639	5 93	189	20.0	4	2	11	0	30/07/2010	481747 3	6729332 4	230 0
R20640	5 64	221	19 6	5	2	11	0	30/07/2010	481258 4	6730008 6	232 5
R20641	5 43	243	19 1	6	2	11	0	30/07/2010	480608 1	6729451 7	229 8
R20642	5 89	103	19 0	2	2	2	0	30/07/2010	479784 5	6729704 6	241 6
R20643	5 70	212	19 8	6	3	12	0	30/07/2010	478682 2	6729150 5	241 7
R20644	5 72	243	20 4	4	3	2	0	30/07/2010	478695 1	6729562.9	237 7
R20646	5 95	196	19 6	2	2	11	0	30/07/2010	477977 6	6730459 6	236 0
R20647	6 10	228	19 6	4	1	11	0	30/07/2010	478490 3	6731085 3	240 9
R20648	6 09	41	19 4	4	1	2	0	30/07/2010	477310 9	6731958 8	242 2
R20649	5 52	174	19 5	5	2	11	0	30/07/2010	476783 0	6732331 4	242 1
R20650	6 01	204	19 4	4	3	12	0	30/07/2010	476232 3	6732240 5	235 6
R20651	5 72	241	19 6	7	2	11	0	30/07/2010	475056 8	6733160.0	241 4
R20652	5 80	242	20 0	7	2	11	0	30/07/2010	475065 8	6733332 7	241 4
R20653	6 12	230	19 3	4	1	11	0	30/07/2010	473666 3	6733350 7	226 3
R20655	5 65	247	19 3	10	3	12	0	30/07/2010	472370 1	6733149 8	217.1
R20656	5 72	243	19 4	5	2	11	0	30/07/2010	472862 3	6733498 2	222 7
R20657	5 63	161	19 2	6	2	11	0	30/07/2010	473013 9	6734282 0	212 0
R20658	6 14	213	19 3	5	2	11	0	30/07/2010	473751 9	6734663 7	213 9
R20659	5 84	230	19 2	5	2	11	0	30/07/2010	473284 6	6735413 4	212 4
R20660	5 49	236	19 5	2	2	2	0	30/07/2010	472717 9	6735596 0	212 0
R20661	5 77	252	19 6	4	3	12	0	30/07/2010	472586 9	6736573 9	196 2
R20662	5 59	250	19 0	3	3	3	0	30/07/2010	471530 8	6737423.6	195 4
R20663	5 75	247	19 5	3	1	11	0	30/07/2010	472089 2	6738724 3	215.0
R20664	5 45	230	19 5	12	2	11	0	30/07/2010	472791 0	6739151 9	240 1
R20666	5 63	121	19 3	5	2	2	0	30/07/2010	473073 0	6739707 6	244 0
R20667	5 56	210	19 6	7	3	12	0	30/07/2010	472804 3	6740685 0	207.7
R20668	5 96	211	19 4	4	1	11	0	30/07/2010	473103 0	6741052 6	207 6
R20669	5 71	122	19 1	5	2	2	0	30/07/2010	472436.4	6741409 6	207 7
R20670	5 86	184	19.1	3	3	12	0	30/07/2010	472444 5	6742037 2	204 0
R20671	5 77	210	19 2	4	3	12	0	30/07/2010	473300 0	6742206 4	199 8
R20672	5 78	223	19.1	3	3	12	0	30/07/2010	474081 2	6742763 8	196.5
R20673	5 96	220	19 2	3	2	11	0	30/07/2010	474167 3	6741942 8	210 1
R20674	5 70	241	19 7	5	2	11	0	30/07/2010	473892 6	6741401 8	207 6
R20675	5 73	230	19 0	3	2	11	0	30/07/2010	474092 7	6739807.1	258 1

Sample#	pH	ORP (mV)	Temp (°C)	Depth (m)	Int	Colr	Cont	Date (dd/mm/yyyy)	X UTM	Y UTM	Z m
R20676	5.64	212	19 3	5	2	2	0	30/07/2010	473069 1	6738658 0	236 9
R20677	5 50	242	19 1	5	2	11	0	30/07/2010	473123 8	6737800 8	230.1
R20678	5 69	241	19 3	4	3	12	0	30/07/2010	473618 8	6737057 0	224 6
R20679	5 74	250	19 7	3	2	11	0	30/07/2010	474044 8	6736306 9	231 5
R20680	5 79	212	19 6	4	2	2	0	30/07/2010	474864 1	6735248 9	253.4
R20681	5 78	230	19.3	4	1	11	0	30/07/2010	474450 0	6734320 0	237 8
R20682	5 77	243	19 4	3	2	11	0	30/07/2010	474132 5	6733709 0	236 8
R20683	5 69	256	19 4	4	2	2	0	30/07/2010	475984 5	6733092 9	241 1
R20684	5 72	259	19 3	4	2	2	0	30/07/2010	476491 5	6733236 2	242 2
R20685	5.80	254	20 2	3	2	2	0	30/07/2010	476958 1	6732844 8	242 2
R20686	5 43	241	20 2	7	2	11	0	30/07/2010	478344 0	6732007 8	263 0
R20687	5 59	250	19 7	4	2	2	0	30/07/2010	478931 3	6731349 8	243 8
R20688	5 56	187	19 8	4	2	2	0	30/07/2010	480163 1	6730881 2	239 2
R20689	5 60	202	17 6	3	2	11	0	30/07/2010	484088 7	6729246.4	217 2
R20690	5 93	204	17 2	4	2	2	0	30/07/2010	483872 5	6729926.5	217 2
R20691	5 82	191	17 1	3	2	2	0	30/07/2010	482458 0	6730408 8	219 7
R20692	5 79	44	17 0	3	2	2	0	30/07/2010	481087 7	6730957 6	223 0
R20693	6 19	33	17 5	10	2	11	0	30/07/2010	479450 9	6731670 2	236 5
R20694	5 79	116	18 1	4	2	11	0	30/07/2010	479241 0	6732530 2	238 5
R20695	5 76	155	17 7	2	2	10	0	30/07/2010	478305 2	6732523 9	262 5
R20696	5 76	152	17 0	2	2	10	0	30/07/2010	478003.7	6733023 0	268 5
R20697	5 80	115	17 3	6	2	11	0	30/07/2010	477069 5	6733915 2	266 8
R20698	5 82	136	17 1	3	2	11	0	30/07/2010	476181 6	6734142 7	251 4
R20699	6 05	61	20 5	3	2	10	0	30/07/2010	475870 6	6734294 2	251 5
R20700	5 86	130	19 0	7	2	2	0	30/07/2010	475668 9	6735955 7	287 5
R20701	6 03	140	17 7	2	2	11	0	30/07/2010	474669 6	6735927 0	234 5
R20702	5 92	180	17 2	2	2	11	0	30/07/2010	474275 9	6736554 7	243 7
R20703	6 11	196	17 0	3	2	10	0	30/07/2010	473942 2	6737017 8	228 0
R20704	6 02	196	17 1	3	2	11	0	30/07/2010	474321 1	6737452 5	244 3
R20705	6 04	131	17 2	2	2	10	0	30/07/2010	474360 2	6738442 8	266 6
R20706	5 89	116	17 7	5	2	10	0	30/07/2010	473630 7	6738832 0	259 9
R20707	5 87	138	17 4	4	2	10	0	30/07/2010	474966 0	6739949 7	258 0
R20708	5 50	162	17 1	10	2	11	0	30/07/2010	474678 9	6740080 7	254 9
R20709	5 75	151	17 3	4	2	11	0	30/07/2010	474819 1	6741286 2	210 1
R20710	5 82	102	17 4	2	2	12	0	30/07/2010	474882 7	6741937.7	215.9
R20711	5 77	128	17 6	3	2	12	0	30/07/2010	475025 1	6742474 4	207 3
R20712	5 89	55	18 4	2	2	11	0	30/07/2010	475837 9	6742681.5	202 8
R20713	5 98	100	18 1	2	2	11	0	30/07/2010	476980 5	6743152 7	218 9
R20714	5 93	125	17 8	2	2	10	0	30/07/2010	477756 7	6741879 9	236 4
R20715	5 84	150	17 5	3	2	11	0	30/07/2010	476185 5	6741574 5	223 7
R20716	5 76	132	17 7	3	2	2	0	30/07/2010	475849 2	6740924.7	221 4
R20718	5 52	74	18 2	4	2	2	0	30/07/2010	476059 6	6740250.3	227 1
R20719	5 77	100	19 2	2	2	2	0	30/07/2010	474656 2	6739074 8	268.0

Sample#	pH	ORP (mV)	Temp (°C)	Depth (m)	Int	Colr	Cont	Date (dd/mm/yyyy)	X UTM	Y UTM	Z m
R20720	5 82	47	17 9	3	2	10	0	30/07/2010	475398 4	6738171 8	249 0
R20721	5 65	88	17 6	4	2	11	0	30/07/2010	475833 3	6737388 3	261 1
R20722	6 27	-40	17 3	7	2	11	0	30/07/2010	476454 0	6735734 4	281 1
R20723	6 02	43	17 7	3	2	2	0	30/07/2010	477188 2	6735111 5	252 7
R20724	5 92	93	17 8	14	2	11	0	30/07/2010	477746 3	6734067 1	260 0
R20725	5 85	101	17 8	14	2	2	0	30/07/2010	478092 3	6733626 7	260 4
R20726	5 78	116	17 7	3	2	11	0	30/07/2010	479689 2	6732564 2	242 0
R20727	6 04	123	18 0	2	2	10	0	30/07/2010	480879 7	6731969 1	220 0
R20728	5 75	141	17 2	6	2	10	0	30/07/2010	481667 2	6731708 3	220 0
R20729	5 77	150	17 3	9	1	2	0	30/07/2010	482553 8	6731337 8	220 0
R20730	5 75	138	17 3	3	2	10	0	30/07/2010	482908 7	6730708.1	218 6
R20731	6 03	152	17.7	2	2	10	0	30/07/2010	484069 4	6730384 7	217 4
R20732	5 71	186	17 4	5	2	10	0	30/07/2010	484648 2	6729744 5	225 1
R20733	5 65	179	17 9	4	2	11	0	30/07/2010	485939 2	6728421 1	219 7
R20734	5 76	196	18 0	9	2	10	0	30/07/2010	486019 6	6729496 7	227 0
R20735	5 75	191	17 1	2	2	12	0	30/07/2010	485413 8	6730040 3	242 9
R20736	5 63	85	17 9	3	2	10	0	30/07/2010	484530 3	6730771 8	217.4
R20737	6 27	-7	18 2	8	2	12	0	30/07/2010	483644 3	6731018 4	217 2
R20738	5 88	58	17 8	4	2	12	0	30/07/2010	483162 3	6732042 8	219 1
R20739	5 93	54	17 9	2	1	2	0	30/07/2010	482096 2	6732564 9	235 8
R20740	5 80	89	17 3	2	2	12	0	30/07/2010	481096 1	6732299 8	223 5
R20741	5 70	93	17 4	5	2	11	0	30/07/2010	480204 9	6732654 5	219 9
R20742	5 93	43	17 6	4	2	2	0	30/07/2010	480360 5	6733392 9	234 8
R20743	5 63	129	17 9	4	2	11	0	30/07/2010	479421 9	6733732 9	234 8
R20744	5 77	99	18 1	5	2	12	0	30/07/2010	479367 2	6734108 5	234 8
R20745	5 62	162	18 6	2	2	11	0	30/07/2010	478734 1	6734212 8	237 3
R20746	5 86	156	17 5	2	2	11	0	30/07/2010	478893 0	6734515 7	242 7
R20748	5 73	66	16 9	9	2	6	0	30/07/2010	477949 2	6735501 6	258 1
R20749	5 86	96	17 0	4	2	10	0	30/07/2010	477448 4	6735751 9	264 9
R20750	5 50	50	17 5	7	2	10	0	30/07/2010	477252 3	6736771 9	268 9
R20751	5.87	118	17 5	2	2	11	0	30/07/2010	477377 9	6737594 5	263 4
R20752	5 83	132	17 1	4	2	12	0	30/07/2010	477201 8	6737993 5	242 9
R20753	5 81	142	17 3	4	2	11	0	30/07/2010	476365 9	6738732 0	243 0
R20754	5 80	160	17 0	4	2	10	0	30/07/2010	476499 6	6740121 4	227 3
R20755	5 63	192	17 2	3	2	10	0	30/07/2010	477564 3	6740433 3	232 9
R20756	5 56	212	17 9	4	2	12	0	30/07/2010	477182 0	6740644 0	232 7
R20757	5 54	214	17 6	6	2	11	0	30/07/2010	477388 1	6741261 5	245 6
R20758	5 85	189	17 2	8	2	11	0	30/07/2010	478271 6	6741899 8	235 5
R20759	5 68	90	17 3	4	2	10	0	30/07/2010	478400 5	6742690 6	235 6
R20760	5 86	113	17 0	2	2	10	0	30/07/2010	479320 9	6742570 3	252 5
R20761	5.83	133	18 1	2	2	11	0	30/07/2010	478734 9	6742103 6	243 0
R20762	5 84	143	17 9	11	2	11	0	30/07/2010	478648 1	6740980 7	237 9
R20763	5 73	163	18 4	3	1	10	0	30/07/2010	478374 5	6740694 8	244 9
R20764	5 70	172	17 9	6	2	10	0	30/07/2010	477902 6	6739854 7	240 4
R20765	5 68	146	17 7	2	2	10	0	30/07/2010	477488 3	6739068.1	233 6
R20766	5 54	241	17 9	3	2	10	0	30/07/2010	478141 0	6738605 1	235 2
R20767	5 84	242	17 6	3	2	11	0	30/07/2010	477837 0	6737769 9	257 5
R20768	5 93	85	17.7	4	2	2	0	30/07/2010	478177 5	6736054 7	255 5
R20769	5 75	211	18.2	5	2	10	0	30/07/2010	478879 9	6735501 1	239 4
R20770	5 76	113	17 3	7	2	11	0	30/07/2010	479731 2	6735195 8	239 3
R20771	5 96	204	18 4	2	2	10	0	30/07/2010	480775 5	6734427 7	237 0
R20772	5 67	133	18 1	5	2	10	0	30/07/2010	481124 2	6733755 3	237 1
R20773	5.85	67	17 9	8	2	2	0	30/07/2010	481883 8	6733315 1	243 5
R20774	6 09	75	18 6	7	2	11	0	30/07/2010	483052 5	6733097 4	220 6
R20775	5 88	96	17 9	6	2	10	0	30/07/2010	483489 1	6732766 7	220 7
R20776	6 02	106	18 1	4	2	10	0	30/07/2010	485346 1	6730934 1	229 6
R20777	6 21	55	18 3	6	2	10	0	30/07/2010	484493 0	6731794 6	219 0
R20778	5 80	55	15 5	6	2	11	0	31/07/2010	491031 4	6680567 1	158 7
R20780	5 82	81	15 7	4	2	11	0	31/07/2010	489827 2	6679730.6	171 5
R20781	5 57	103	15 0	7	2	11	0	31/07/2010	488335 2	6678151 0	151 9
R20782	5 75	81	15 3	4	2	11	0	31/07/2010	487573 7	6676222 4	155.9
R20783	5 54	183	15 0	7	2	14	0	31/07/2010	489186 9	6675352 0	142 3
R20784	5 92	102	15.2	5	2	14	0	31/07/2010	489005 7	6673785 3	142 2
R20785	5 62	193	14 8	9	2	14	0	31/07/2010	490072 0	6673260 2	143 5
R20786	5 93	119	14 8	9	2	2	0	31/07/2010	491552 8	6672303 4	147 3
R20787	5 66	186	14 6	5	2	11	0	31/07/2010	492007 9	6671621 7	150 1
R20788	5 80	155	15 0	9	2	11	0	31/07/2010	495151 6	6669116.5	209 2
R20789	5 71	181	15 2	6	2	11	0	31/07/2010	495978 2	6668160 9	202 7
R20790	5 77	190	18 6	1	2	11	0	31/07/2010	499017 6	6667733 3	207 9
R20791	5 33	214	15 5	7	2	11	0	31/07/2010	499411 7	6666951 7	199 7
R20792	5 77	138	16 1	6	2	11	0	31/07/2010	500639 3	6667262 5	210 5
R20793	5 66	207	15 3	4	2	11	0	31/07/2010	501144 2	6667008 1	217 3
R20794	5 77	225	15 7	6	2	11	0	31/07/2010	502315 0	6666832.8	206 8
R20795	5 63	165	15 0	12	2	7	0	31/07/2010	502918 0	6666457 3	205 2
R20796	5 64	236	15 1	5	2	11	0	31/07/2010	503266 7	6665366 5	205 2
R20797	5 95	166	14 8	5	2	11	0	31/07/2010	503974.8	6664297 6	208 8
R20798	5 78	226	15 2	3	2	12	0	31/07/2010	505198 2	6664683 2	205 0
R20800	5 90	165	14 8	4	2	12	0	31/07/2010	506290 0	6663961 1	205 0
R20801	5 80	230	14 7	6	2	11	0	31/07/2010	508121 0	6664447 8	199 6
R20802	6 13	161	14 6	5	2	11	0	31/07/2010	508799 3	6664311 0	200 5
R20803	5 81	236	14 4	6	2	11	0	31/07/2010	511325 0	6664829 0	195 8
R20804	5 81	183	14 6	4	2	11	0	31/07/2010	511406 1	6665248 8	193 2
R20805	5 74	170	14 4	5	2	11	0	31/07/2010	510873 0	6665485 7	201 3
R20806	5 68	183	14 3	6	2	11	0	31/07/2010	510013 9	6666458 4	198 5
R20807	5 91	162	15 2	9	2	11	0	31/07/2010	510739 3	6667144.2	198 4
R20808	5 69	186	15 8	4	2	11	0	31/07/2010	511699.7	6667484 6	189 9

Sample#	pH	ORP (mV)	Temp (°C)	Depth (m)	Int	Colr	Cont	Date (dd/mm/yyyy)	X UTM	Y UTM	Z m
R20809	5 73	204	15 3	7	2	2	0	31/07/2010	511607 6	6668837 8	190 2
R20810	5 70	183	14 8	5	2	12	0	31/07/2010	511493 7	6670154 6	207 6
R20811	5 98	204	15 0	8	2	7	0	31/07/2010	509464 6	6673351 8	211 0
R20812	5 92	164	14 8	6	2	14	0	31/07/2010	511548 4	6672707 2	218 8
R20813	5 67	131	14 7	4	2	14	0	31/07/2010	511548 7	6671560 7	200.1
R20814	5 43	191	14 5	6	2	11	0	31/07/2010	511485 2	6670166 4	207 3
R20815	5 89	146	14 6	6	2	14	0	31/07/2010	512489 1	6669264 0	199 0
R20816	5 86	172	14 9	5	2	14	0	31/07/2010	512357 9	6666867 5	187 2
R20817	6 00	147	14 6	7	2	14	0	31/07/2010	511442 7	6666178 0	187 1
R20818	5 65	174	14 6	10	2	14	0	31/07/2010	512763 5	6664947 4	187 2
R20819	6 04	147	16 0	9	2	14	0	31/07/2010	512157 8	6664086 8	184 3
R20820	6 02	173	15 4	5	2	14	0	31/07/2010	511812 6	6663808 1	189 8
R20821	5 98	160	15 3	6	2	14	0	31/07/2010	509066 2	6663238 2	200 4
R20822	5 91	177	16 1	5	2	14	0	31/07/2010	509671 0	6662987 4	199 5
R20823	5 98	200	15 8	3	2	2	0	31/07/2010	510012 6	6663418 9	200 9
R20825	5 71	200	15 9	3	2	14	0	31/07/2010	512884 3	6663913 4	191 8
R20826	5 82	207	16 1	15	2	2	0	31/07/2010	514079 2	6665581 2	187 4
R20827	5 92	200	15 9	7	2	7	0	31/07/2010	513307 0	6666468 3	187 3
R20828	6 04	205	17 6	5	2	7	0	31/07/2010	513180 4	6667476 7	187 3
R20829	5 88	184	16 4	4	2	14	0	31/07/2010	513205 0	6668252 3	195 4
R20830	6 02	200	16 1	8	2	14	0	31/07/2010	513442 6	6668939 5	195 3
R20831	5 84	186	16 3	15	2	2	0	31/07/2010	513847 7	6669631 4	195 3
R20832	5 65	222	16 2	3	2	14	0	31/07/2010	513649 9	6670799 1	201 2
R20833	5 76	159	16 3	15	2	14	0	31/07/2010	513639 2	6671650 3	221 9
R20834	5 81	210	16 4	7	2	2	0	31/07/2010	514339 5	6671338 4	208 9
R20835	6 00	179	17 7	3	2	2	0	31/07/2010	514875 0	6672695 7	213 1
R20836	6 19	192	16 9	5	2	2	0	31/07/2010	515685 6	6672051 7	208 9
R20837	5 95	174	17 3	8	2	2	0	31/07/2010	516079 1	6671409 4	195 2
R20838	5 89	213	16 9	3	2	11	0	31/07/2010	517288 1	6671974 8	195 7
R20839	6 05	120	16 1	8	2	10	0	31/07/2010	517471.1	6670755 3	195 4
R20840	5 84	114	16 4	5	2	14	0	31/07/2010	518669.6	6671004 4	195 8
R20841	5 88	113	16 4	5	2	14	0	31/07/2010	518657 6	6669658 5	206 7
R20842	6 02	138	16.2	10	2	14	0	31/07/2010	519654 1	6669660 7	199 9
R20843	6 34	-11	16 6	15	2	12	0	31/07/2010	520703 8	6669887 8	200 0
R20844	5 75	156	16 4	5	2	14	0	31/07/2010	520855.6	6667881.1	210 5
R20845	5 99	44	16 5	3	2	14	0	31/07/2010	520038 4	6666683 6	191 6
R20846	5 68	167	16.3	1	2	10	0	31/07/2010	520558 0	6668371 9	203 8
R20847	5 95	40	16 8	2	2	10	0	31/07/2010	520254 5	6668637 1	204 0
R20848	5 80	73	16 5	1	2	2	0	31/07/2010	519391 2	6669144 3	229 1
R20849	5 63	133	16 6	1	2	2	0	31/07/2010	517679 0	6668716 7	225 1
R20850	6 06	52	16 3	3	2	12	0	31/07/2010	518025 4	6669459 7	212 9
R20851	5 67	115	16 8	5	2	14	0	31/07/2010	517156 3	6670041.9	227 6
R20852	5 68	126	17 1	1	2	2	0	31/07/2010	516479 1	6670232 3	218 5

Sample#	pH	ORP (mV)	Temp (°C)	Depth (m)	Int	Colr	Cont	Date (dd/mm/yyyy)	X UTM	Y UTM	Z m
R20853	6 10	64	16 8	2	2	2	0	31/07/2010	515170 4	6670633 9	195 4
R20854	5 71	154	16 4	12	2	2	0	31/07/2010	514478 7	6670807 8	195 3
R20856	5 89	93	16 2	1	2	14	0	31/07/2010	514833 7	6670096 3	195 3
R20857	5 67	157	16 2	2	2	12	0	31/07/2010	514982 7	6669578 8	195 3
R20858	5 82	108	16 0	7	2	14	0	31/07/2010	514912.0	6668735 9	195 4
R20859	6 09	50	15 9	10	2	14	0	31/07/2010	514309 1	6668505 5	195 3
R20860	5 63	125	16 3	10	2	2	0	31/07/2010	515209 8	6666099 3	199 7
R20861	6 14	35	16.4	7	2	10	0	31/07/2010	514633.8	6664470 9	187 3
R20862	6 02	81	16.3	4	2	12	0	31/07/2010	513261 7	6663157.6	184 5
R20863	5 68	116	16 3	7	2	10	0	31/07/2010	511120 2	6662901 7	191 5
R20864	5 90	163	17 1	5	2	14	0	31/07/2010	510200 9	6662545 7	187 6
R20866	6 19	88	16 5	15	2	12	0	31/07/2010	513063 5	6662162 7	198 0
R20867	5 91	131	16 9	8	2	14	0	31/07/2010	513997 5	6662576.7	187 7
R20868	5 82	120	17 6	5	2	14	0	31/07/2010	514534 2	6663514 1	187 0
R20869	6 00	148	17 6	1	2	14	0	31/07/2010	515245 3	6664004 0	193 4
R20870	5 77	145	17 1	3	2	11	0	31/07/2010	516010 5	6664528 9	187 8
R20871	6 07	172	16 9	3	2	14	0	31/07/2010	515279 1	6664961.1	214 8
R20872	6 00	108	16 7	3	2	14	0	31/07/2010	515089 4	6666584.1	199 7
R20873	5 66	161	16 9	3	2	2	0	31/07/2010	515707 0	6668423 8	219 4
R20874	5 28	169	17 2	4	2	14	0	31/07/2010	516504 2	6669671 4	209 3
R20875	5 58	189	17 2	7	2	14	0	31/07/2010	517393 4	6668866 3	220 4
R20876	5 61	190	17 1	2	2	10	0	31/07/2010	518013 5	6668268 1	234 8
R20877	5 52	196	17 3	10	2	14	0	31/07/2010	519267 7	6667455 2	220 4
R20878	5 76	189	17 1	7	2	14	0	31/07/2010	519149 2	6667344 2	220 2
R20879	5 71	151	17 2	7	2	14	0	31/07/2010	519600 7	6665734 6	191 6
R20880	6 12	181	17 0	4	2	14	0	31/07/2010	519744 4	6665024 8	202 6
R20881	5 88	162	17.1	5	2	2	0	31/07/2010	519848 0	6664098 6	198 0
R20882	5 50	212	17 2	3	2	14	0	31/07/2010	519349 3	6663484.4	191.6
R20883	5 97	146	17 6	5	2	2	0	31/07/2010	519857 8	6661455.6	191 7
R20884	6 05	150	17 7	7	2	12	0	31/07/2010	519411 6	6660577.4	211 3
R20885	5 46	136	17 9	2	2	10	0	31/07/2010	519370 5	6659767 5	221 1
R20887	6 00	144	17 1	4	2	14	0	31/07/2010	518748 8	6659709 5	189 2
R20888	5 66	158	17 3	7	2	14	0	31/07/2010	519091 1	6661227 2	196 7
R20889	5 80	166	17 3	2	2	10	0	31/07/2010	518204 5	6661591 1	198 1
R20890	5 79	108	17 3	2	2	11	0	31/07/2010	518650 7	6664450 3	199 7
R20891	5.83	170	17 2	2	2	2	0	31/07/2010	518819 9	6664934.3	216.9
R20892	5.70	174	17 3	4	2	2	0	31/07/2010	519201 6	6666265 6	208 7
R20893	5 86	160	17 1	12	2	10	0	31/07/2010	518765 7	6667195.0	214 1
R20894	5 51	66	17 2	3	2	10	0	31/07/2010	517106 3	6667804 6	229 5
R20895	5 70	205	17 1	2	2	14	0	31/07/2010	509109 4	6662433 0	199 5
R20896	5 91	47	17 2	3	2	14	0	31/07/2010	511611 9	6661965 7	184 4
R20897	5 83	108	17 3	3	2	14	0	31/07/2010	512607 2	6661666 0	184 4
R20898	5 96	39	17 5	4	2	14	0	31/07/2010	513851 3	6661666 3	186 7

Sample#	pH	ORP (mV)	Temp (°C)	Depth (m)	Int	Colr	Cont	Date (dd/mm/yyyy)	X UTM	Y UTM	Z m
R20899	5 90	173	17 5	15	2	14	0	31/07/2010	514973 4	6661521 8	186 8
R20900	6 03	116	17 6	20	2	14	0	31/07/2010	516271 9	6661986 6	186 9
R20901	5 91	191	17 5	17	2	14	0	31/07/2010	516074 2	6662721 2	186.8
R20902	5 86	116	17 5	8	2	14	0	31/07/2010	516626 7	6663528 3	190 5
R20903	5 70	201	17 5	5	2	14	0	31/07/2010	517533 1	6663640 7	191 7
R20904	5 69	171	18 3	5	2	14	0	31/07/2010	517246 9	6662727 9	231 2
R20905	5 69	216	17 5	8	2	2	0	31/07/2010	517427 4	6661654 2	202 2
R20906	6 14	184	17 5	3	2	14	0	31/07/2010	517921 2	6661099 5	196 1
R20907	6 10	215	17 3	5	2	14	0	31/07/2010	516713 8	6660966 5	192 9
R20908	5 89	218	17 4	5	2	14	0	31/07/2010	515861 5	6659990 8	191 1
R20909	5 89	230	17 1	4	2	2	0	31/07/2010	515273 0	6660806 5	194 9
R20910	5 89	231	17 1	20	2	11	0	31/07/2010	513668 3	6659508 3	184 4
R20911	5 81	214	17 0	22	2	14	0	31/07/2010	513849 6	6658857.7	198 5
R20912	6 11	50	17 3	7	2	14	0	31/07/2010	514221 6	6656921 8	175 0
R20913	6 32	90	17 2	3	2	14	0	31/07/2010	513994.5	6655871 8	172 9
R20915	6 03	119	17 2	7	2	14	0	31/07/2010	513861.7	6654163 2	172 3
R20916	6 07	130	17 1	5	2	11	0	31/07/2010	512823 6	6654067 9	171 2
R20917	6 02	136	17 3	7	2	14	0	31/07/2010	513541 8	6652377 2	171 3
R20918	5 82	150	17 1	5	2	11	0	31/07/2010	511170 7	6652426 3	193 8
R20919	5 21	188	17 3	5	2	11	0	31/07/2010	510214 8	6653538 6	189 0
R20920	5 98	144	17 3	7	2	14	0	31/07/2010	508632 8	6652663 1	191 8
R20921	5 64	188	17 2	7	2	11	0	31/07/2010	507768 3	6653334 9	199 0
R20922	5 84	171	17 3	4	2	14	0	31/07/2010	506223 0	6653057 9	198 3
R20923	5 62	188	17 5	8	2	14	0	31/07/2010	506252 9	6653658 5	194 6
R20924	5 51	215	18 0	4	2	14	0	31/07/2010	507187 9	6654265 7	199 0
R20925	5 65	199	17 6	5	2	2	0	31/07/2010	508284 9	6654218 3	191 8
R20926	6 05	197	17 8	4	2	10	0	31/07/2010	510965 8	6654294 0	180 5
R20927	5 95	196	17 8	1	2	2	0	31/07/2010	511657 4	6654523 0	175 7
R20929	5 86	208	17 9	6	2	11	0	31/07/2010	513143 2	6655027 3	187 8
R20930	6 09	209	18 0	12	2	14	0	31/07/2010	512573 6	6657045.2	184 6
R20932	5 81	202	18 2	4	2	14	0	31/07/2010	512977 2	6657513 2	193 3
R20933	6 25	215	18 0	5	2	2	0	31/07/2010	513215 7	6658378 0	193 6
R20934	5.80	214	18 2	6	2	2	0	31/07/2010	513011 9	6659329 5	184 4
R20935	5 97	235	18 2	5	2	2	0	31/07/2010	512482 6	6660079 8	184 4
R20936	5 90	206	19 6	7	2	2	0	31/07/2010	513668.2	6661365 7	184 5
R20937	5 82	244	18 7	7	2	2	0	31/07/2010	512857 0	6661147 6	184 5
R20938	6 46	211	18 6	6	2	2	0	31/07/2010	509511 0	6661965 8	190 3
R20939	5 57	262	16 9	3	2	11	0	01/08/2010	492385 7	6688859 9	179 1
R20940	5 68	214	16 0	3	2	10	0	01/08/2010	492560 0	6689541 7	180 9
R20941	5 81	193	16 5	12	2	6	0	01/08/2010	493315 7	6689938 5	180 9
R20942	5 70	224	16 4	14	2	12	0	01/08/2010	493293 5	6691277 5	189 8
R20943	5.84	169	16 3	12	2	12	0	01/08/2010	493490 4	6692232 7	173 4
R20944	6 55	156	17 0	8	2	10	0	01/08/2010	493533 6	6692728 0	173 5

Sample#	pH	ORP (mV)	Temp (°C)	Depth (m)	Int	Colr	Cont	Date (dd/mm/yyyy)	X UTM	Y UTM	Z m
R20945	6 38	185	17 4	3	2	10	0	01/08/2010	493717 6	6694551 3	173 4
R20946	5 91	116	17 8	8	2	11	0	01/08/2010	494528 2	6695445 7	187 7
R20947	5 77	179	17 7	4	1	2	0	01/08/2010	495094 0	6696235 3	217 1
R20948	5 55	194	17 9	3	2	10	0	01/08/2010	496226 8	6696897 0	190 8
R20949	5 66	205	18 1	2	3	2	0	01/08/2010	496597 9	6697943 2	190 8
R20951	5 77	142	18 7	10	2	12	0	01/08/2010	497018 5	6699757 5	184 1
R20952	5 95	150	18 3	3	1	2	0	01/08/2010	496648 6	6700281 1	173 1
R20953	5 95	101	19 0	4	2	2	0	01/08/2010	496797 4	6701026 1	173 1
R20954	5 88	130	18 4	8	2	2	0	01/08/2010	496721 7	6701265 0	173 1
R20955	5 72	158	18 7	4	2	10	0	01/08/2010	496651 5	6701687 2	173 1
R20957	5 86	211	20 5	2	2	11	0	01/08/2010	497395 4	6701915.6	200 0
R20958	5 77	207	19 0	2	2	10	0	01/08/2010	497327 2	6702834 3	209 7
R20959	5 93	196	19 1	9	2	11	0	01/08/2010	497750 0	6703829 6	175 2
R20960	6 06	205	19 9	8	2	2	0	01/08/2010	498735 6	6703917.4	197 9
R20961	5 77	200	19 3	5	2	10	0	01/08/2010	498539 8	6704636 4	191 4
R20963	5 73	195	18 6	7	2	11	0	01/08/2010	500359 4	6705791 4	222 8
R20964	5 86	201	18 5	3	2	10	0	01/08/2010	500369 2	6706311 1	230 8
R20965	5 84	183	18 7	3	2	10	0	01/08/2010	501390 2	6706878 1	237 0
R20966	6 14	186	18 2	3	2	10	0	01/08/2010	500342 7	6706924 2	233 3
R20967	5 70	67	22 5	6	2	10	0	01/08/2010	500078 1	6706722 9	231 9
R20968	5 91	122	21 2	3	2	10	0	01/08/2010	498786 6	6706489 5	214 4
R20969	5 46	31	21 4	22	3	2	0	01/08/2010	497105 4	6707478 0	231 0
R20970	5 66	119	23 1	5	2	11	0	01/08/2010	495953 1	6707597 3	243 2
R20971	5 63	156	23 3	5	2	6	0	01/08/2010	495576 9	6707955 4	231 9
R20972	5 54	194	23 4	3	2	12	0	01/08/2010	495705 7	6708531 8	214 1
R20973	5 92	132	22 7	5	2	11	0	01/08/2010	495583 0	6709165 4	223 7
R20974	6 00	115	22 1	12	2	11	0	01/08/2010	495162 4	6708688 4	195 7
R20975	5 94	137	22 7	3	2	12	0	01/08/2010	494481 2	6708609 3	195 9
R20976	5 64	131	23 4	3	2	10	0	01/08/2010	494648 9	6707522.0	207 3
R20977	5 83	152	23 9	2	2	11	0	01/08/2010	493907 5	6708105 9	181 0
R20978	5 73	160	23 3	6	2	12	0	01/08/2010	492908 6	6709218 4	178.7
R20980	5 89	185	22 7	3	2	11	0	01/08/2010	492131 3	6709414 0	184.1
R20981	5 82	166	22 8	6	2	10	0	01/08/2010	491833 0	6710403 4	175 0
R20982	5 79	92	22 1	2	2	10	0	01/08/2010	491509 1	6712086 1	190 5
R20983	5 72	111	22 5	6	2	10	0	01/08/2010	491149 7	6712621 1	191 8
R20984	5 85	141	22 1	2	2	11	0	01/08/2010	490275 3	6713084 6	212 7
R20985	5 88	170	22 6	2	1	2	0	01/08/2010	489895 5	6713510 5	225 6
R20986	5 80	200	22.3	2	2	2	0	01/08/2010	486897 7	6727516 3	218 4
R20987	6 20	183	21.9	4	2	11	0	01/08/2010	486197 8	6727713 5	218 1
R20988	6 02	197	22 6	1	2	2	0	01/08/2010	486207 9	6728668 5	222 2
R20989	5 85	159	22 8	4	2	2	0	01/08/2010	487176 2	6729181 3	230 7
R20990	5 97	142	23 2	4	2	2	0	01/08/2010	486391 4	6730122 3	272 1
R20991	5 92	108	23 5	6	2	2	0	01/08/2010	485969 7	6730922 9	262 3

Sample#	pH	ORP (mV)	Temp (°C)	Depth (m)	Int	Colr	Cont	Date (dd/mm/yyyy)	X UTM	Y UTM	Z m
R20992	5 80	157	22 8	6	2	11	0	01/08/2010	484632 6	6731437 3	219 0
R20993	5 66	145	22 3	4	2	11	0	01/08/2010	484947 8	6732278 8	225 2
R20994	6 02	95	22 2	5	3	12	0	01/08/2010	484264 0	6733382 5	233 5
R20995	6 56	130	22 6	2	2	2	0	01/08/2010	484381 3	6734240 0	235 0
R20996	5 82	167	22.9	5	2	11	0	01/08/2010	483433 4	6734509 4	241 3
R20997	6 00	142	22 3	6	2	11	0	01/08/2010	483410 8	6733727 3	235 9
R20998	5 96	177	22 0	3	2	2	0	01/08/2010	482882 8	6733785 9	239 4
R20999	5 98	180	21 9	4	3	2	0	01/08/2010	482366 1	6733363 8	233 1
R21000	5 88	145	22 1	7	3	12	0	01/08/2010	481713 5	6734699 1	239 3
R21001	6 02	149	22 5	5	2	11	0	01/08/2010	481147 5	6734718 7	245 3
R21002	6 04	184	22 9	2	3	12	0	01/08/2010	480729 1	6734924 6	251 3
R21003	6 16	105	22 5	2	2	2	0	01/08/2010	479575 2	6735909 5	239 4
R21004	6 13	108	22 5	2	3	12	0	01/08/2010	479269 7	6735996 4	239 2
R21005	5 96	138	21 8	4	2	11	0	01/08/2010	478741.7	6736769 5	260 7
R21006	5 77	172	21 8	4	1	10	0	01/08/2010	478467 4	6737303 6	263 9
R21007	5 81	210	22 2	8	2	6	0	01/08/2010	478608 2	6737987 4	263 6
R21008	5 91	219	22 5	7	2	6	0	01/08/2010	478777 0	6738940 9	248 1
R21009	5 74	211	22 6	3	2	11	0	01/08/2010	480783 9	6735935 5	260 7
R21010	5 84	219	22 3	4	3	12	0	01/08/2010	481863 8	6735712 0	250 6
R21011	5 88	220	22 0	3	2	2	0	01/08/2010	482327 1	6736144 9	258 7
R21012	5 88	211	21 8	5	2	11	0	01/08/2010	482376 8	6735143 7	254 9
R21013	5 86	216	22 3	3	2	11	0	01/08/2010	482842 9	6735212 9	248 5
R21014	5 95	221	22 6	4	2	11	0	01/08/2010	483333 8	6736183 1	259 3
R21015	5 86	233	22 3	5	2	2	0	01/08/2010	483641 5	6735248 7	241 1
R21016	5 77	234	22 0	2	2	6	0	01/08/2010	484269 8	6734873 7	241 3
R21017	5 96	233	21 9	3	2	11	0	01/08/2010	485638 0	6734713 9	240 5
R21018	5 77	192	22 0	4	2	11	0	01/08/2010	486160 2	6735721 3	240 4
R21019	5 81	224	22 3	2	1	10	0	01/08/2010	487278 7	6735375 1	256 7
R21020	5 91	217	23 5	4	2	11	0	01/08/2010	487343 8	6734824 1	239 4
R21021	6 08	202	22 6	5	2	2	0	01/08/2010	486322 2	6734539 8	239.6
R21022	6 10	210	22 3	4	3	12	0	01/08/2010	487005 1	6733585 6	239 4
R21023	6 17	-45	22 4	5	2	11	0	01/08/2010	486192 7	6733348 7	239 4
R21024	5 91	126	22 4	7	2	11	0	01/08/2010	485621 3	6733976 0	235 2
R21025	5 89	119	22 6	4	3	12	0	01/08/2010	485381 8	6732934 6	225 6
R21026	6 31	105	22 6	4	2	2	0	01/08/2010	485687 1	6732533 6	231 3
R21027	5 99	132	22 5	5	2	2	0	01/08/2010	486183 6	6732186 7	237.1
R21028	5 88	100	22 5	5	2	11	0	01/08/2010	486893 4	6731077 5	234 3
R21029	6 32	120	22 3	2	2	2	0	01/08/2010	487169 5	6730035 5	253 5
R21030	5 57	145	15 0	3	2	2	0	01/08/2010	487157 9	6729821 2	253 5
R21031	5 77	75	17 3	4	2	2	0	01/08/2010	487511 2	6726436 1	217 2
R21032	5 86	223	16 7	10	2	6	0	01/08/2010	488432 9	6727256 1	221 0
R21033	5 94	220	16 4	4	2	2	0	01/08/2010	488715 7	6728323 9	227 0
R21034	6 00	179	16 4	7	3	2	0	01/08/2010	488280 9	6729681 6	230 1

Sample#	pH	ORP (mV)	Temp (°C)	Depth (m)	Int	Colr	Cont	Date (dd/mm/yyyy)	X UTM	Y UTM	Z m
R21035	6 01	196	16 6	2	2	10	0	01/08/2010	487941 6	6730581 7	230 2
R21036	6 20	-39	17 7	7	1	2	0	01/08/2010	487222 7	6731103 8	235 6
R21037	6.16	45	16 8	7	2	10	0	01/08/2010	487723 9	6732151 3	243 1
R21039	5 95	68	16 9	3	2	10	0	01/08/2010	487123 6	6732788 8	237 3
R21040	6 54	-64	16 7	4	2	10	0	01/08/2010	487713 3	6733828 1	249 2
R21041	6 16	34	17 0	2	2	10	0	01/08/2010	488468 4	6733359.3	282 1
R21042	5 95	52	17 2	3	2	10	0	01/08/2010	488852 4	6734085 3	282 0
R21043	6 02	54	17 9	8	2	2	0	01/08/2010	489771 2	6733929 3	299 5
R21044	6 12	33	17 2	5	3	2	0	01/08/2010	491384 4	6733988 4	256 7
R21045	5 93	52	17 5	4	2	10	0	01/08/2010	492380 8	6733747 4	256 7
R21046	6 02	125	19.5	3	2	2	0	01/08/2010	493351 2	6733781 6	259 8
R21047	5 98	70	18 1	3	2	10	0	01/08/2010	492798 4	6734369 5	265 0
R21048	6 05	19	20 1	3	2	12	0	01/08/2010	493037 3	6734889 5	264 9
R21049	6 15	105	18 5	4	2	10	0	01/08/2010	493245 3	6735362 4	276.1
R21050	5 99	76	22 7	2	2	2	0	01/08/2010	493455 0	6735768 0	264 9
R21051	5 66	71	21.3	3	2	2	0	01/08/2010	492709 0	6737745 6	292 7
R21052	5 79	80	20 6	6	1	2	0	01/08/2010	493560 7	6737223 0	264 9
R21053	5 83	113	20 4	4	2	2	0	01/08/2010	493864 3	6737089.8	269 2
R21054	5.79	136	20 6	3	2	2	0	01/08/2010	493881 6	6736716 8	265 0
R21055	6 09	89	21 1	4	2	12	0	01/08/2010	493847 0	6735943 5	277 2
R21056	6 17	116	20 2	2	2	11	0	01/08/2010	494592 4	6734830 9	276 6
R21057	5 86	135	19 8	9	2	6	0	01/08/2010	494579 5	6733739 4	271 5
R21058	6 14	10	20 2	4	2	2	0	01/08/2010	493863 4	6733476 0	259 9
R21059	6 05	90	20 1	12	2	2	0	01/08/2010	492720 6	6733108 7	260.0
R21060	6 00	39	20 9	3	2	2	0	01/08/2010	491616 8	6732760 0	262 8
R21061	6 02	12	21 1	4	2	6	0	01/08/2010	491353 3	6732981 5	258 1
R21062	6 13	57	22 0	1	2	2	0	01/08/2010	490059 5	6733159.4	261 6
R21063	6 11	26	19 4	2	2	2	0	01/08/2010	488935 8	6733062 6	281 0
R21064	6 04	57	19 2	4	2	11	0	01/08/2010	488025 0	6732671 5	243.2
R21065	6 16	83	19 4	4	2	11	0	01/08/2010	488056 6	6731822 5	243 2
R21066	6 16	109	19 6	3	2	11	0	01/08/2010	489199 6	6731468 2	236 8
R21067	6.04	129	20.3	2	2	10	0	01/08/2010	488601 5	6730773.4	239 2
R21068	6 16	4	19 3	7	2	11	0	01/08/2010	489702 3	6730283 8	232 8
R21069	6.07	72	19 5	3	2	10	0	01/08/2010	489625 1	6729455 0	230 2
R21070	5 97	88	19 1	7	2	11	0	01/08/2010	489428 0	6728935 6	230 3
R21071	6 09	60	19 1	5	2	10	0	01/08/2010	490148 6	6728090 1	259 1
R21072	6 13	53	19 8	4	2	2	0	01/08/2010	489253 6	6728127 5	249 3
R21073	6 14	37	20 8	3	2	11	0	01/08/2010	489702 4	6727390 8	249 5
R21074	6 01	74	21 0	4	2	10	0	01/08/2010	490385 6	6726433 9	229 3
R21075	6 10	24	19 9	4	2	2	0	01/08/2010	490967 9	6728310 7	248 5
R21077	5 86	84	20 9	3	2	11	0	01/08/2010	490929 7	6729063 2	240 8
R21078	6 03	118	20 1	5	2	10	0	01/08/2010	490741 3	6729679 7	235 9
R21079	5 85	71	20 2	5	2	2	0	01/08/2010	490399 4	6729994 3	229 8

Sample#	pH	ORP (mV)	Temp (°C)	Depth (m)	Int	Colr	Cont	Date (dd/mm/yyyy)	X UTM	Y UTM	Z m
R21080	5 89	75	20 1	3	2	2	0	01/08/2010	490134 4	6731022 4	232.6
R21081	5 82	91	20 5	4	2	11	0	01/08/2010	489205 0	6732007 1	238 5
R21082	6 18	91	20 0	3	2	11	0	01/08/2010	489622 0	6732299 1	251 7
R21083	6 07	75	19 8	4	2	2	0	01/08/2010	489884 6	6732667 7	250 0
R21084	6 09	65	19 6	4	2	2	0	01/08/2010	490384 4	6732175 3	249 9
R21085	6 02	94	19 9	6	2	11	0	01/08/2010	490983 4	6731978 4	243 8
R21086	5 78	80	20 2	2	2	10	0	01/08/2010	491692 4	6731489 4	243 9
R21087	5 89	162	21 3	2	2	11	0	01/08/2010	492217 0	6731954 4	256 8
R21088	6 02	47	20 4	8	2	2	0	01/08/2010	492739 6	6732525 0	256 9
R21090	5 68	163	19 8	4	2	10	0	01/08/2010	493642 0	6732486 4	259 8
R21091	5 88	120	19.8	2	2	2	0	01/08/2010	495479 7	6732743 3	276 2
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R21095	5 93	105	20 3	4	2	10	0	01/08/2010	492837 9	6738480 3	298 8
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R21097	6 03	76	19 6	3	2	2	0	01/08/2010	492182 4	6739110 8	304 0
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R21103	5 76	82	20 2	4	2	2	0	01/08/2010	493911 8	6740402 3	289 4
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R21105	5 98	69	20 4	1	2	2	0	01/08/2010	493343 4	6739150 4	292 2
R21106	6.04	103	20 0	2	2	10	0	01/08/2010	492879 8	6738925 7	300 0
R21107	5 87	53	20 0	5	2	2	0	01/08/2010	494961 3	6737363 3	292 0
R21108	5 80	79	20 0	3	2	6	0	01/08/2010	495381 2	6737123 7	282 0
R21109	5 91	95	20 0	3	2	2	0	01/08/2010	495247.8	6736282 9	279 4
R21110	6 08	103	21 5	7	2	2	0	01/08/2010	495458 1	6735890 8	279 5
R21111	5 78	132	20 9	4	2	2	0	01/08/2010	495645 3	6734614 0	278 8
R21112	6.09	-31	21 0	5	2	2	0	01/08/2010	495851 2	6733350 7	278.6
R21113	6.30	8	21 1	5	3	2	0	01/08/2010	495763 3	6732371 2	276 2
R21114	6 29	162	21 2	8	2	2	0	01/08/2010	494181 6	6731929 2	278 9
R21115	6 42	72	20 6	4	2	6	0	01/08/2010	493475 7	6731499 9	257 3
R21116	5 92	185	20 8	4	2	11	0	01/08/2010	492109 6	6730769 0	244.4
R21117	5 99	99	20 3	6	2	10	0	01/08/2010	491336 2	6730517 6	244 4
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R21119	6 14	40	21 1	5	2	11	0	01/08/2010	491549 2	6728656 3	234.4
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R21121	5 99	78	21 1	7	2	11	0	01/08/2010	491091 2	6727254 7	242 2
R21123	5 71	140	21 6	5	2	10	0	01/08/2010	490822 7	6727025 1	223 7
R21124	5 91	230	15 0	3	2	11	0	02/08/2010	489153 8	6679762 7	157 5
R21125	5 82	210	14 3	6	2	12	0	02/08/2010	489162 8	6679509 4	157 6
R21126	6.33	163	14 3	3	2	11	0	02/08/2010	486888 5	6678261 6	181 1
R21127	6 10	117	14.5	12	2	11	0	02/08/2010	486386 3	6676625 0	146 9
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R21139	5 82	232	15 4	7	2	11	0	02/08/2010	499991 2	6666268.2	199 6
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R21141	5 96	223	15 7	4	2	12	0	02/08/2010	501068 5	6666312 0	207 6
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R21144	5 62	235	14 5	6	2	12	0	02/08/2010	503335 4	6664491 0	221 0
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R21146	5 93	232	14 6	2	2	12	0	02/08/2010	505629 9	6663132.9	200.8
R21148	6 37	107	14 7	5	2	11	0	02/08/2010	510554 9	6663998 7	205 8
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R21150	5 92	157	14 8	6	2	6	0	02/08/2010	516471 3	6666802 0	250 0
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R21152	6 06	157	14 9	10	2	2	0	02/08/2010	516432 0	6665908 7	199 5
R21153	6 07	184	15 0	10	2	11	0	02/08/2010	518257 3	6665533 0	199 7
R21154	6 29	170	15 0	5	2	7	0	02/08/2010	517999 8	6665716 9	199 0
R21155	5 90	198	15 4	8	2	11	0	02/08/2010	517428 2	6665120 3	186 4
R21156	6 13	170	15 0	5	2	11	0	02/08/2010	516256 2	6665256 1	209 7
R21157	5 74	131	14 8	8	2	11	0	02/08/2010	515971 9	6663746 8	190 4
R21158	6 13	152	14 9	22	2	11	0	02/08/2010	515244 8	6662772 5	186 9
R21159	6 04	119	15 0	7	2	11	0	02/08/2010	508195 6	6661887 5	197 2
R21160	6 07	157	14 8	12	2	11	0	02/08/2010	508890 7	6660504 9	200 5
R21161	5 99	128	15 0	6	2	11	0	02/08/2010	509269 4	6659945 6	206 0
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R21164	6 21	156	15 0	5	2	11	0	02/08/2010	511931 4	6659623 6	184 5
R21165	6 32	166	15 0	4	2	11	0	02/08/2010	511752 0	6658491 2	184 6
R21166	5 98	164	15 2	6	2	11	0	02/08/2010	512166 4	6657628 3	184 4
R21167	6 01	185	15 0	10	2	11	0	02/08/2010	508996 1	6654383 2	201 8
R21168	6 03	169	15 2	6	2	11	0	02/08/2010	508671 7	6654680 0	191 8

Sample#	pH	ORP (mV)	Temp (°C)	Depth (m)	Int	Colr	Cont	Date (dd/mm/yyyy)	X UTM	Y UTM	Z m
R21169	6 13	186	15 2	10	2	11	0	02/08/2010	507558 8	6655239 5	208 3
R21170	6 43	151	15 4	7	2	11	0	02/08/2010	507025 1	6654939 9	210 7
R21171	6 24	192	15 2	4	2	11	0	02/08/2010	506134 8	6655017 9	205 1
R21172	6 23	176	15 1	4	2	14	0	02/08/2010	505700 0	6654523 1	200 8
R21173	6 29	196	15 0	7	2	11	0	02/08/2010	504513 2	6652608 4	201 6
R21174	6 13	179	15 1	4	2	11	0	02/08/2010	503618 6	6650932.1	182 0
R21175	5 78	224	15 2	9	2	11	0	02/08/2010	503528 6	6650089 2	191 6
R21176	6 11	186	15 3	7	2	11	0	02/08/2010	503472 5	6649451 7	186.8
R21177	6.33	203	15 3	13	2	11	0	02/08/2010	502336 9	6647448 5	181 2
R21178	6 09	194	15 2	15	2	11	0	02/08/2010	500705 2	6646879 8	171 4
R21179	6 09	193	15 3	5	2	11	0	02/08/2010	500596 6	6647464 0	173 3
R21181	6 50	186	16 3	12	2	11	0	02/08/2010	501001.7	6648028 1	179 5
R21182	6 21	189	15 3	5	2	2	0	02/08/2010	502898 8	6648871 3	187 0
R21183	6.06	206	15 6	7	2	11	0	02/08/2010	502710 3	6650919 9	198 1
R21184	6 16	196	15 3	5	2	11	0	02/08/2010	502949 0	6651379 3	190 1
R21185	5 97	191	15 5	6	2	11	0	02/08/2010	504505 2	6653949 9	182 1
R21186	6 24	207	15 4	8	2	11	0	02/08/2010	504459 1	6654429 1	182 1
R21187	5 95	203	15 4	8	2	11	0	02/08/2010	504791 3	6655165 2	184.7
R21188	6 14	217	15 3	8	2	11	0	02/08/2010	505861 1	6655526 5	196 6
R21189	6 19	194	15 2	5	2	11	0	02/08/2010	506590 6	6656636 8	207 9
R21190	6 27	213	15 1	2	2	11	0	02/08/2010	506612 8	6655925 3	210 5
R21191	6 03	206	15 3	6	2	11	0	02/08/2010	507277 4	6656127 0	210 1
R21192	6 08	230	15 3	8	2	11	0	02/08/2010	509942 7	6655801 7	191 7
R21193	6 10	206	15 5	7	2	11	0	02/08/2010	510570 2	6656108 5	192 0
R21194	5 78	244	15 4	4	2	11	0	02/08/2010	510280 4	6657801 7	214 9
R21195	6 08	213	15 5	12	2	11	0	02/08/2010	510634 6	6657737 1	215 0
R21196	6 29	114	15 5	12	2	11	0	02/08/2010	511228 4	6659176 6	184 4
R21197	6 00	206	15 5	6	2	11	0	02/08/2010	510224 8	6659357 6	186.3
R21198	6 38	146	15 5	7	2	11	0	02/08/2010	508154 2	6660046 4	198 3
R21199	6 30	189	15 5	8	2	11	0	02/08/2010	508774 9	6659546 8	186 3
R21200	6 47	157	15 6	3	2	2	0	02/08/2010	509369 0	6658121 5	186 2
R21201	6 39	187	15 7	6	2	11	0	02/08/2010	509287 0	6657091 7	191 9
R21202	6 29	183	15 9	4	2	11	0	02/08/2010	507356 4	6656825 1	202 1
R21203	6 20	202	15 8	5	2	11	0	02/08/2010	506896 0	6656977 8	208 8
R21204	6 23	137	15 7	12	2	11	0	02/08/2010	505603 0	6656184 2	204 0
R21205	6 24	191	15 7	5	2	12	0	02/08/2010	504936 0	6655999 6	182 1
R21206	5 87	168	15 9	7	2	11	0	02/08/2010	504200 2	6656239 8	182 7
R21207	6 44	183	15 9	13	2	11	0	02/08/2010	502513 9	6655843.7	182.1
R21208	6.48	157	16.1	9	2	11	0	02/08/2010	501756 3	6656001 5	182 1
R21209	6 30	199	16 1	4	2	11	0	02/08/2010	500968 8	6656018 2	182 1
R21211	6 29	166	15 9	9	2	11	0	02/08/2010	500454 6	6655842 9	182 9
R21212	6 33	192	15 9	9	2	11	0	02/08/2010	500148 7	6654736 7	180 3
R21213	5 84	194	16 2	7	2	11	0	02/08/2010	500055 8	6653881 2	182 0

Sample#	pH	ORP (mV)	Temp (°C)	Depth (m)	Int	Colr	Cont	Date (dd/mm/yyyy)	X UTM	Y UTM	Z m
R21214	6 14	177	16 3	5	2	10	0	02/08/2010	500362 6	6652891 0	182 0
R21215	6 06	189	16 3	11	2	11	0	02/08/2010	500112 6	6651822 0	182 1
R21216	6 20	177	16 3	16	2	12	0	02/08/2010	500362 2	6651305 2	182 0
R21217	5 97	203	16 3	4	2	11	0	02/08/2010	500962.3	6650914 2	199 3
R21218	6 25	233	16 1	8	2	11	0	02/08/2010	501556 3	6650959 7	183 2
R21219	6 20	215	15 6	5	2	11	0	02/08/2010	502320 1	6650951 5	188 7
R21220	6 18	230	17 0	6	2	2	0	02/08/2010	501829 4	6650220 5	183 2
R21221	5 91	231	16 1	13	2	12	0	02/08/2010	502415 1	6649866 7	205 8
R21222	5 88	227	17 4	10	2	12	0	02/08/2010	501771 0	6649551 1	195 9
R21224	6 03	242	18 0	7	2	11	0	02/08/2010	501955 0	6649122 4	185 6
R21226	6 08	225	17 5	7	2	11	0	02/08/2010	501499 1	6648734 0	179 5
R21227	6 04	241	18 0	6	2	11	0	02/08/2010	500526 3	6648658.3	181 9
R21228	6 24	251	18 9	3	2	11	0	02/08/2010	500521 6	6649118 0	172 0
R21229	5 95	262	18 2	4	2	11	0	02/08/2010	500791 0	6649714 5	183 0
R21230	5 91	73	19 3	5	2	2	0	02/08/2010	500972 2	6650439 7	198 8
R21232	6 64	232	19 2	5	2	11	0	02/08/2010	499053 8	6652819 2	178 2
R21233	5 80	184	19 4	6	2	12	0	02/08/2010	499479 7	6653055.6	181 9
R21234	5 97	263	19 4	9	2	11	0	02/08/2010	499571 0	6654939 7	176 8
R21235	6.22	191	19 8	4	2	11	0	02/08/2010	499648 1	6655556.1	185 8
R21236	5 92	233	19 8	13	2	12	0	02/08/2010	500578 1	6656754.1	183 4
R21237	6 07	224	19 1	6	2	11	0	02/08/2010	502150 3	6657589 4	182 1
R21238	5 81	190	19 8	10	2	11	0	02/08/2010	503908 9	6657037.1	182 5
R21239	6 22	239	18 8	4	2	11	0	02/08/2010	505658 3	6656947 5	196 8
R21240	5 91	201	18 8	14	2	11	0	02/08/2010	506676 2	6657680 5	191 8
R21241	5 91	245	18 7	7	2	11	0	02/08/2010	507872 0	6658213 7	191 9
R21242	6 14	206	18 8	7	2	11	0	02/08/2010	508712 7	6658484 0	191 8
R21243	6 37	235	18 6	5	2	11	0	02/08/2010	508206 3	6659970 0	197 3
R21244	5 86	231	18 9	5	2	12	0	02/08/2010	507838 4	6659431 4	219 7
R21245	6 27	250	18 5	11	2	12	0	02/08/2010	507710 0	6658968 6	197 3
R21246	6 23	197	19 4	10	2	11	0	02/08/2010	506473 8	6658903 3	195.6
R21247	6 16	262	18 7	7	2	11	0	02/08/2010	505501 0	6657664 7	195 5
R21248	6 36	196	18 9	22	2	12	0	02/08/2010	504896 6	6657376 4	182 7
R21250	6 29	252	19 1	4	2	11	0	02/08/2010	503798 6	6657535.5	183 8
R21251	6 20	181	19 4	10	2	11	0	02/08/2010	501922 8	6657688 9	182 1
R21252	6 12	263	19 3	8	2	11	0	02/08/2010	501477 9	6657608.0	182.1
R21253	6 15	201	20 1	6	2	11	0	02/08/2010	500472 8	6657219 2	183 5
R21254	6 59	242	18 8	9	2	11	0	02/08/2010	499177 2	6656012 2	168 0
R21255	5.95	202	20 0	9	2	11	0	02/08/2010	498844.7	6654758 3	174 5
R21256	6 55	247	18 4	3	2	11	0	02/08/2010	499148 1	6653801 2	183 2
R21257	6 09	201	18 7	5	2	11	0	02/08/2010	498409 4	6653022 1	174 2
R21258	6 18	266	18 7	3	2	11	0	02/08/2010	499408 9	6651941 4	211.1
R21259	6 33	197	18 7	5	2	11	0	02/08/2010	499081.0	6651592 1	189 7
R21260	5 98	262	19 1	3	2	11	0	02/08/2010	499379 8	6650870.1	193 1

Sample#	pH	ORP (mV)	Temp (°C)	Depth (m)	Int	Colr	Cont	Date (dd/mm/yyyy)	X UTM	Y UTM	Z m
R21261	5 80	233	18 7	3	2	11	0	02/08/2010	499755 8	6650448 9	198 2
R21262	6 14	233	18 7	6	2	11	0	02/08/2010	497661 5	6651324 3	173 0
R21263	5 87	195	18 6	10	2	12	0	02/08/2010	496609 2	6650394 8	189.8
R21264	6 05	245	18 9	3	2	11	0	02/08/2010	495752 3	6649894 3	175 9
R21265	6 00	190	19 2	6	2	12	0	02/08/2010	494743 0	6649182 3	149 2
R21266	6 09	244	19 7	8	2	11	0	02/08/2010	493991 7	6649989 1	139 0
R21267	6 02	201	19 5	4	2	10	0	02/08/2010	493852 1	6650467 6	136 3
R21268	5 92	250	19 1	7	2	11	0	02/08/2010	493587 5	6650712 1	136 9
R21269	5 94	215	19 2	5	2	11	0	02/08/2010	492993 2	6651212 4	137 1
R21270	5 80	241	19.0	2	2	11	0	02/08/2010	494055 5	6651776 6	146 2
R21271	5 71	227	19 1	3	2	11	0	02/08/2010	494993 7	6650597 7	193 9
R21272	5 88	243	19 2	9	2	11	0	02/08/2010	495314 9	6650546 4	185 3
R21273	6 23	212	19 2	3	2	11	0	02/08/2010	496186 3	6650643 0	183 3
R21274	6 08	242	19 5	2	2	12	0	02/08/2010	497015 8	6650986 8	183 9
R21275	5 95	235	19 6	3	2	11	0	02/08/2010	497823 7	6651448 3	180 2
R21276	6 09	206	19 6	10	2	11	0	02/08/2010	498509 7	6651981 9	181 4
R21277	5 68	250	19 8	6	2	11	0	02/08/2010	498215 6	6653850 5	167 3
R21279	6 21	191	19 7	11	2	2	0	02/08/2010	498061 5	6654747 7	167 2
R21280	5 79	230	19 6	12	2	11	0	02/08/2010	498735 8	6656735 4	171 5
R21281	6 36	212	20 2	5	2	11	0	02/08/2010	499558 2	6657445 5	181 7
R21283	5 86	212	20 2	5	2	11	0	02/08/2010	501583 3	6658028 3	187 7
R21285	6 08	212	20 3	7	2	12	0	02/08/2010	503093 4	6658427 0	187 1
R21286	5 89	196	20 1	11	2	11	0	02/08/2010	504137 5	6657979 9	194 2
R21288	6 32	-17	19 9	7	2	11	0	02/08/2010	505361 3	6658566 4	191 9
R21289	6 05	162	20 0	5	2	11	0	02/08/2010	506007 9	6659187 9	195 6
R21290	6 25	165	19 9	5	2	11	0	02/08/2010	506673 7	6659354 5	196.0
R21291	5 86	177	14 5	3	2	10	0	03/08/2010	492094 9	6690226 9	170 6
R21292	5 98	172	15 7	12	2	10	0	03/08/2010	492396 7	6690782 9	175 3
R21293	6 09	194	15 2	4	2	11	0	03/08/2010	492123 0	6691846 4	170 7
R21294	5 95	200	14 8	6	2	11	0	03/08/2010	492478 4	6692015 1	187 2
R21295	6 00	196	14 8	3	2	11	0	03/08/2010	492223 8	6692583 3	171 0
R21296	6 00	206	15 7	3	2	11	0	03/08/2010	492388 7	6693198 5	170 9
R21297	5 99	203	14 6	5	2	12	0	03/08/2010	492726 9	6693699 5	173 3
R21298	6 05	203	15.0	4	2	2	0	03/08/2010	493156 5	6694446 7	173 5
R21299	6 01	198	15 8	4	2	10	0	03/08/2010	493805 1	6695813 6	211 1
R21300	6 09	198	16 0	8	2	10	0	03/08/2010	494623 2	6696744 8	180 8
R21301	5 99	209	15 4	4	2	11	0	03/08/2010	495274 7	6697142 0	180 9
R21302	5 93	210	15 6	4	2	12	0	03/08/2010	495717 7	6698293 8	172 9
R21303	6 14	195	17 1	8	2	11	0	03/08/2010	495416 4	6698802 1	173 0
R21304	5 96	180	17 1	3	2	11	0	03/08/2010	495751 3	6699224.7	176 3
R21305	6 09	189	17.3	11	2	11	0	03/08/2010	495797 4	6699551 2	173 1
R21306	5 99	209	19 2	8	2	10	0	03/08/2010	496266 9	6702659 4	173 1
R21307	5 99	176	16 5	4	2	10	0	03/08/2010	496493 2	6703051 6	173 1
R21308	6 00	151	18 7	4	2	11	0	03/08/2010	496696 6	6703598 4	173 1
R21309	6 07	160	17 5	2	2	12	0	03/08/2010	499251 1	6705550 7	219 2
R21310	5 94	151	16 3	2	2	11	0	03/08/2010	498897 8	6705573 8	215 8
R21311	5 91	183	18.1	4	2	12	0	03/08/2010	497883 6	6705671 0	189 7
R21313	5 88	171	16 6	5	2	12	0	03/08/2010	496977 8	6706498 4	240 0
R21314	6 05	175	16 4	5	2	10	0	03/08/2010	495274 3	6706679 8	214 3
R21315	6 00	113	17 7	4	2	11	0	03/08/2010	494348 5	6706959 9	214 8
R21316	6 06	142	16.5	6	2	12	0	03/08/2010	493534 6	6707323 4	201 6
R21317	5 79	164	17 2	2	2	12	0	03/08/2010	492226.7	6707903 9	181 0
R21318	5 93	166	18.8	2	2	2	0	03/08/2010	491482.2	6708877 4	171 8
R21319	5 87	166	19 7	3	2	10	0	03/08/2010	491351 0	6709536 7	174 2
R21320	6 12	175	20 1	2	2	11	0	03/08/2010	491188 9	6709967 0	174 2
R21321	6 07	162	20 7	11	2	6	0	03/08/2010	490911 5	6711733 4	181 3
R21322	6 03	145	21 2	11	2	6	0	03/08/2010	489786 8	6712010 2	181 4
R21323	5 83	175	18 6	10	2	11	0	03/08/2010	489946 6	6712572 1	181 4
R21324	5 97	188	18 1	8	2	10	0	03/08/2010	489253 3	6712903 1	197 1
R21325	5 95	185	17 7	10	2	2	0	03/08/2010	488761 9	6713495 2	197 1
R21326	5 93	176	17 9	4	3	12	0	03/08/2010	491054 8	6725548 9	236 4
R21327	5 98	180	18 0	10	2	11	0	03/08/2010	491392.7	6726736.9	222 8
R21328	5.97	191	19 1	10	2	6	0	03/08/2010	491859 9	6727048 3	222 9
R21329	5 98	201	18.2	4	2	11	0	03/08/2010	492390 4	6728869 1	233.0
R21330	5 81	201	18 7	5	2	11	0	03/08/2010	492132 3	6729339 1	240 0
R21331	5 86	206	19 3	5	2	11	0	03/08/2010	492335 3	6729755 7	267 3
R21332	6 05	188	20 4	3	2	2	0	03/08/2010	493737 0	6730810 8	267 8
R21333	6 20	166	20 9	10	2	2	0	03/08/2010	494400 7	6731286 6	267 4
R21334	6 30	173	22 0	5	2	2	0	03/08/2010	495066 0	6731350 3	255 9
R21335	5 79	225	22 9	4	2	11	0	03/08/2010	496910 4	6732751 2	279 3
R21336	6 10	230	23 0	5	2	11	0	03/08/2010	496869 9	6733330 0	279 1
R21337	6 12	47	20 5	4	2	2	0	03/08/2010	496534.5	6733926 1	278 7
R21338	6 25	97	20 0	6	2	11	0	03/08/2010	496000 7	6734931.5	275 1
R21339	6 31	113	19 3	4	2	14	0	03/08/2010	495756 3	6735299 4	275 5
R21340	6 12	145	19 6	4	2	2	0	03/08/2010	496330 3	6736491 4	279 8
R21341	6.06	134	19 5	4	2	2	0	03/08/2010	493824 1	6739220 7	270 3
R21342	6 06	125	17 7	6	2	2	0	03/08/2010	494071 6	6739374 6	270 2
R21344	5.58	201	18 6	5	2	6	0	03/08/2010	494646 1	6740006 1	281 5
R21345	5 99	50	18 8	7	1	10	0	03/08/2010	494233 5	6740832 0	284 2
R21346	5 98	114	18 2	5	3	12	0	03/08/2010	494395 3	6741454 3	282 2
R21347	5 69	173	18 8	10	2	11	0	03/08/2010	494790 8	6740681 6	282 0
R21348	5 91	171	19 2	4	2	2	0	03/08/2010	495106 2	6740363 3	281 6
R21349	5.69	159	19 1	2	2	2	0	03/08/2010	494938 3	6739595 8	281.3
R21350	5 98	158	19 1	4	2	2	0	03/08/2010	494968 4	6739214 5	281 2
R21351	5 71	199	18 9	4	2	11	0	03/08/2010	495020 9	6738765 2	281 2
R21352	6 02	44	19 3	6	2	2	0	03/08/2010	495518 8	6738615 1	281 2

Sample#	pH	ORP (mV)	Temp (°C)	Depth (m)	Int	Colr	Cont	Date (dd/mm/yyyy)	X UTM	Y UTM	Z m
R21353	6 35	63	18 3	2	2	2	0	03/08/2010	495806 1	6738093 7	300 2
R21354	6 42	99	18 3	6	3	2	0	03/08/2010	496389 7	6737183 5	282 1
R21355	6 11	130	18 1	5	3	12	0	03/08/2010	496949.5	6736389 2	282 2
R21356	6 16	142	18 4	5	2	2	0	03/08/2010	496651 6	6735472 6	275 0
R21357	5 98	158	18 5	4	2	2	0	03/08/2010	497213 9	6735153 1	275 2
R21358	5.96	116	18 3	7	2	2	0	03/08/2010	496878 3	6734570 7	275 1
R21359	5 96	161	18 2	5	3	2	0	03/08/2010	497500 3	6733653 7	283 1
R21360	5 82	169	18 5	4	1	10	0	03/08/2010	497912 1	6733178 3	283 1
R21361	5 82	169	18 6	6	3	12	0	03/08/2010	498003 0	6732181 9	285 5
R21362	5 95	167	18 6	4	2	2	0	03/08/2010	496947 5	6731481.4	276 8
R21363	5 98	152	18 4	2	2	2	0	03/08/2010	493855 9	6729398 4	252 7
R21364	5 75	153	18 3	3	2	11	0	03/08/2010	493687 4	6728949 7	253 9
R21366	6 02	154	18 6	3	2	2	0	03/08/2010	493265 8	6728754 7	235 5
R21367	5 90	148	17 5	4	1	10	0	03/08/2010	493157 5	6728013 7	226 1
R21368	5 98	120	17 7	3	2	2	0	03/08/2010	493089 6	6727506 0	226 3
R21369	5 86	129	17 5	8	3	12	0	03/08/2010	493331 4	6727098 5	241 9
R21370	6 09	63	17 7	7	2	11	0	03/08/2010	493039 0	6726641 2	222.8
R21371	6 11	86	18 0	10	2	2	0	03/08/2010	491960 7	6725589 1	222 8
R21372	6 09	78	14 6	4	2	2	0	03/08/2010	492138 9	6724668 6	217 2
R21373	6 21	108	15 7	7	2	2	0	03/08/2010	493045 8	6725661 3	222 7
R21374	6 25	52	15 1	8	1	2	0	03/08/2010	493513 8	6725892 9	239 1
R21375	6 15	53	15 7	3	2	10	0	03/08/2010	493956 5	6728155 0	248 3
R21376	6 09	71	16 5	8	2	2	0	03/08/2010	495025 7	6729688 3	267 7
R21377	6 29	12	16 3	5	2	6	0	03/08/2010	495783 7	6730240 7	255.1
R21378	6 16	59	16 1	3	2	2	0	03/08/2010	496332 8	6730438 6	275 8
R21379	6 03	95	16 3	3	2	11	0	03/08/2010	497300 0	6730752 7	290 9
R21380	6 18	91	15 9	2	2	2	0	03/08/2010	498440 7	6731696.7	280 9
R21381	5 73	128	16 7	3	3	2	0	03/08/2010	497898 5	6734210 2	291 4
R21382	5 93	124	16 1	7	1	2	0	03/08/2010	497897 3	6734675 6	290 9
R21383	6 13	-18	16 4	8	2	11	0	03/08/2010	497555 5	6736237 8	282 4
R21384	6 15	23	16 7	2	2	2	0	03/08/2010	497346.1	6736918 1	282 4
R21385	6 21	55	16 3	4	2	2	0	03/08/2010	496984 4	6737113 2	282 5
R21386	6 09	77	16 6	4	2	10	0	03/08/2010	496376 5	6738113 2	285 0
R21387	6 09	89	16 4	3	2	11	0	03/08/2010	495980.9	6739230 4	270.5
R21388	5 86	100	16 6	4	2	10	0	03/08/2010	496571 3	6739404 1	264 3
R21389	5 99	83	16 6	4	2	2	0	03/08/2010	496547 2	6739650 9	264 3
R21390	6 13	91	16 4	2	2	11	0	03/08/2010	496075 7	6739970 4	268 6
R21391	6 09	63	16 4	3	2	2	0	03/08/2010	496275 4	6740937 8	266 7
R21392	6 07	77	16 1	2	2	10	0	03/08/2010	496987 8	6741821 0	268 5
R21393	5 95	111	16.8	8	2	6	0	03/08/2010	497963 9	6741645 9	256 1
R21394	6 07	92	16 5	8	2	10	0	03/08/2010	497115 0	6740652 4	256 1
R21395	6 03	118	17 0	3	2	2	0	03/08/2010	497495 2	6740233 1	256 0
R21396	6 06	50	16 8	4	3	2	0	03/08/2010	497938 0	6739813 4	255 9

Sample#	pH	ORP (mV)	Temp (°C)	Depth (m)	Int	Colr	Cont	Date (dd/mm/yyyy)	X UTM	Y UTM	Z m
R21397	6 04	63	16 4	3	2	2	0	03/08/2010	498963 9	6739704 7	256 2
R21398	5 97	111	17 4	4	2	2	0	03/08/2010	498191 9	6738651 9	284 9
R21399	5 95	117	17 3	6	2	12	0	03/08/2010	497675 8	6738927 6	301 1
R21400	5 84	119	18 1	2	2	2	0	03/08/2010	497340 6	6738452 1	284 9
R21401	6 05	63	18 6	4	2	10	0	03/08/2010	497217 4	6737678 0	284 9
R21402	5 96	103	18 0	3	2	10	0	03/08/2010	498418 8	6737545 3	285 0
R21403	5 98	81	18 2	7	2	2	0	03/08/2010	498041 4	6737300 4	284 7
R21405	6 18	-1	17 6	8	2	2	0	03/08/2010	498017 5	6736230 1	282 5
R21406	5 59	89	18 1	8	2	6	0	03/08/2010	498638 5	6734359 8	283 1
R21407	5 76	99	18 1	7	2	2	0	03/08/2010	499273 3	6733912 0	288 4
R21408	5 98	78	17 9	4	2	2	0	03/08/2010	499042 8	6733539 2	283 0
R21409	5 77	171	18 4	8	2	6	0	03/08/2010	499413 0	6731822 7	283 0
R21410	5 73	182	18 0	2	2	12	0	03/08/2010	499385 9	6731052 9	262 5
R21411	5 95	33	17 0	4	2	2	0	03/08/2010	497887 6	6729445.4	259 9
R21412	6 20	16	16 9	3	2	2	0	03/08/2010	495579 8	6728841 1	254 3
R21413	6 39	88	16.8	4	2	2	0	03/08/2010	494793 7	6727679 0	232 5
R21414	5 97	87	17.0	2	3	12	0	03/08/2010	495040.7	6727372 7	232 5
R21415	6 22	98	17 1	2	2	2	0	03/08/2010	494678 5	6726774 5	233 4
R21416	6 03	132	17 2	12	2	11	0	03/08/2010	493020 0	6724815 7	222 7
R21417	6 16	156	16 8	4	2	10	0	03/08/2010	491466 2	6723058 2	203 2
R21418	6 13	160	17 1	13	2	6	0	03/08/2010	492072 7	6723528 0	222 9
R21419	5 86	113	17 1	4	2	2	0	03/08/2010	492593 1	6723718 7	217 4
R21420	6 27	26	16 9	10	3	12	0	03/08/2010	493895.4	6724601 0	219 6
R21421	6 30	16	17.1	4	2	2	0	03/08/2010	495070 1	6726052 9	237 9
R21422	6 28	109	17 1	4	2	10	0	03/08/2010	495884 9	6726779 0	233 0
R21423	6 48	135	16 8	2	2	10	0	03/08/2010	496520 4	6726852 5	239 9
R21424	6 29	202	17 3	2	2	2	0	03/08/2010	496738 2	6726623 8	240.2
R21425	5 96	108	17 3	4	2	2	0	03/08/2010	497373 4	6726485 4	240 9
R21426	6 09	126	16 8	6	2	2	0	03/08/2010	497913 0	6727048 7	263 4
R21427	6 36	154	16 8	2	2	10	0	03/08/2010	498232 4	6728020 6	262 6
R21428	6 24	197	17 0	3	2	10	0	03/08/2010	499151 4	6727471.4	252 7
R21429	5 64	268	17.0	3	2	10	0	03/08/2010	498943 4	6727245 4	275 9
R21430	5 99	104	16 9	4	2	10	0	03/08/2010	498964 8	6725830 1	269 5
R21431	6 07	146	17 2	4	2	6	0	03/08/2010	499506 8	6725050 5	240 2
R21432	6 00	140	16 8	10	2	10	0	03/08/2010	498879 8	6724557 8	242.1
R21433	6 03	153	16 8	10	2	2	0	03/08/2010	498806 6	6723579 5	240 0
R21434	5 96	156	17 0	9	2	11	0	03/08/2010	498200 0	6722042 1	259 8
R21435	5 79	180	17 2	7	2	12	0	03/08/2010	497616 8	6721447.1	266 1
R21436	5 95	193	17 3	4	2	10	0	03/08/2010	497829 5	6720818 2	290 8
R21437	6 13	115	16 9	3	1	2	0	03/08/2010	498263 8	6720365 8	265.3
R21438	5 91	167	16 9	3	2	10	0	03/08/2010	498882 8	6719507 6	247 5
R21439	5 89	212	16 9	4	2	10	0	03/08/2010	498330 1	6718801 5	288 6
R21440	5 93	181	18 0	2	2	2	0	03/08/2010	498164 0	6717974 5	276 3

Sample#	pH	ORP (mV)	Temp (°C)	Depth (m)	Int	Colr	Cont	Date (dd/mm/yyyy)	X UTM	Y UTM	Z m
R21441	5 73	204	17 7	4	2	10	0	03/08/2010	499061 0	6716791 1	247 6
R21442	5 95	170	16 9	5	2	11	0	03/08/2010	497345 2	6716834 3	260 2
R21443	5 95	176	17 0	3	3	2	0	03/08/2010	497194 9	6717139 4	260 2
R21444	5 63	172	16 6	9	2	10	0	03/08/2010	497630 1	6719012 8	274 5
R21445	5 56	182	17 3	2	2	12	0	03/08/2010	496838 0	6721296 3	268 3
R21446	5 80	186	16 9	9	2	11	0	03/08/2010	497028 6	6721857 5	254 1
R21447	5 66	189	18 0	2	2	2	0	03/08/2010	496897 2	6722569 4	227 9
R21448	5 90	66	16 4	4	1	2	0	03/08/2010	497361 2	6723651 1	256 5
R21449	6 15	18	16 6	12	2	2	0	03/08/2010	496947.8	6724226 8	235 3
R21450	5 84	146	16 8	3	2	2	0	03/08/2010	497838 4	6724648 0	242 3
R21451	6 18	18	16 4	3	2	2	0	03/08/2010	498615 6	6725371 2	242 2
R21452	5 98	75	17 3	5	2	6	0	03/08/2010	498077 0	6725674 5	242.2
R21453	5 89	71	17 0	5	2	10	0	03/08/2010	497408 7	6725845 5	264 4
R21454	5 88	92	17 0	4	2	6	0	03/08/2010	497137 7	6725380 9	288 0
R21455	5 87	142	16 4	7	2	10	0	03/08/2010	495936 6	6725614 8	261 7
R21456	6 07	131	17 3	2	2	10	0	03/08/2010	495858 7	6725326 5	270 5
R21457	6 05	153	17 3	9	2	2	0	03/08/2010	495138 0	6725002 0	258 9
R21458	5 93	113	16 6	14	2	12	0	03/08/2010	495204 4	6724352 5	250 8
R21459	5 88	159	17 5	9	2	10	0	03/08/2010	494553 5	6723696 3	212 4
R21460	6 01	138	16 7	8	1	2	0	03/08/2010	493338 8	6723471 5	210 2
R21461	5 93	136	17 2	7	1	2	0	03/08/2010	493081 2	6722915 2	210 1
R21462	5 79	144	16 7	9	2	10	0	03/08/2010	491964 8	6722681 4	214 2
R21463	6 04	265	13 0	1	2	12	0	04/08/2010	487815.3	6679393 1	157 9
R21464	5 64	244	14 1	2	2	12	0	04/08/2010	486730 4	6675397 0	145 1
R21466	5 98	138	12 8	2	2	14	0	04/08/2010	486971 1	6674864 3	136 5
R21467	5 73	230	12 4	4	2	14	0	04/08/2010	487125 9	6674120 1	136.3
R21468	5 95	218	12 9	2	2	14	0	04/08/2010	487670.7	6673703 5	138 5
R21469	5 81	161	12.9	3	2	12	0	04/08/2010	488388 8	6672789 9	140 4
R21470	5 75	200	12 7	6	2	14	0	04/08/2010	489222 5	6672071 6	140 7
R21471	5.94	183	13 0	2	2	14	0	04/08/2010	490067 7	6671540 8	148 4
R21472	5 81	221	12 7	5	2	14	0	04/08/2010	490469 0	6670911 8	161 7
R21473	6 10	113	13 7	6	2	7	0	04/08/2010	491282 1	6669082 4	153 6
R21474	5 78	211	13 0	4	2	14	0	04/08/2010	491185 0	6668796 6	157 6
R21475	5 82	227	12 9	4	2	14	0	04/08/2010	492317 6	6668550 1	157 7
R21476	5 89	165	14 9	5	2	2	0	04/08/2010	492743 4	6667476 2	169 3
R21477	6 09	218	14.5	5	2	2	0	04/08/2010	494111 9	6667855 7	189 6
R21478	6 28	106	15 3	5	2	14	0	04/08/2010	495242 9	6667388 8	222 6
R21479	6 06	214	14 5	1	2	14	0	04/08/2010	495458.1	6666560 7	182 5
R21480	5 80	196	14 1	2	2	12	0	04/08/2010	496239.3	6666188 0	184 6
R21481	6 11	161	15 4	3	2	14	0	04/08/2010	497504 8	6665757 6	196 5
R21483	5 94	191	14 4	2	2	14	0	04/08/2010	498267 7	6665019 5	194 3
R21484	6 04	180	15 2	4	2	10	0	04/08/2010	499817 2	6665195 2	199 8
R21485	5 92	206	14 4	3	2	14	0	04/08/2010	500944 0	6664933 4	197 9

Sample#	pH	ORP (mV)	Temp (°C)	Depth (m)	Int	Colr	Cont	Date (dd/mm/yyyy)	X UTM	Y UTM	Z m
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R21487	5 73	210	14 5	2	2	14	0	04/08/2010	502397 9	6663659 8	207 2
R21488	6 10	191	14 4	1	2	14	0	04/08/2010	503556 2	6663427 5	199 8
R21489	5 47	244	14 4	1	2	12	0	04/08/2010	503720 4	6663521 6	220 1
R21490	5 95	196	13 9	8	2	14	0	04/08/2010	504644 6	6662113 3	204 6
R21491	5 68	232	15 2	8	2	14	0	04/08/2010	505926.1	6662530 8	197 3
R21492	6 41	203	14 9	2	2	14	0	04/08/2010	506624 2	6660130 3	198 1
R21493	6 14	221	15 4	3	2	11	0	04/08/2010	505050 6	6659252 2	195 3
R21494	5 79	168	15 8	2	2	2	0	04/08/2010	503611 3	6658923 0	198 8
R21495	6 00	126	15 9	4	2	11	0	04/08/2010	501876 8	6658854 1	198 5
R21496	6 07	185	14 8	5	2	2	0	04/08/2010	500524 6	6658700 5	186 9
R21497	6 13	142	15 3	1	2	11	0	04/08/2010	499302.5	6658285 2	183 6
R21498	6 02	206	15 6	3	2	14	0	04/08/2010	499217 9	6657905 2	182 8
R21499	6 21	173	15 7	1	2	14	0	04/08/2010	498437 9	6656769 2	168 0
R21500	6 04	205	15 7	2	2	14	0	04/08/2010	497933 6	6655574 4	167 0
R21501	5 96	181	15 9	15	2	14	0	04/08/2010	497096 8	6655025 7	188 8
R21502	5 68	221	15 9	1	2	14	0	04/08/2010	497131 0	6654326 8	198 0
R21503	6 01	186	15 7	3	2	2	0	04/08/2010	497143 5	6653381 3	167 6
R21504	6 15	204	15 0	2	2	14	0	04/08/2010	496800 0	6651799 7	170 2
R21505	6 07	192	15 6	2	2	12	0	04/08/2010	495895 5	6651317 9	162 9
R21506	6 02	215	16 1	3	2	12	0	04/08/2010	495724 8	6651311 6	162 9
R21507	6 22	193	15.9	3	2	11	0	04/08/2010	495176 4	6651353 1	152 2
R21509	5 80	220	16 2	3	2	14	0	04/08/2010	494395.7	6651634 5	146 6
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R21511	5 72	218	16 3	2	2	14	0	04/08/2010	492626 1	6652175 9	140 6
R21512	6 21	222	16 4	6	2	2	0	04/08/2010	492272 2	6652602 2	136 4
R21513	5 71	213	16 9	1	2	14	0	04/08/2010	491043 3	6652594 7	149 7
R21514	6 24	233	17 3	23	2	10	0	04/08/2010	490337 1	6653637 0	136 3
R21515	5 88	201	15 9	3	2	14	0	04/08/2010	491276 4	6653826 8	138 5
R21516	6 71	230	16 4	5	2	2	0	04/08/2010	492202 8	6654177 3	161 2
R21517	6 11	216	17 4	4	2	14	0	04/08/2010	492619 0	6653415 7	160 9
R21518	5 91	214	15 9	3	2	11	0	04/08/2010	492906 9	6652930 2	163 3
R21519	5 98	53	16 8	2	2	14	0	04/08/2010	493624 9	6652533 3	152 3
R21520	6 09	210	18 5	1	2	11	0	04/08/2010	494728 9	6652189 4	152 7
R21521	6 01	130	16 9	10	2	14	0	04/08/2010	495661 4	6652466 5	187 7
R21522	6 16	213	17 0	7	2	11	0	04/08/2010	496336 0	6652548 8	177 6
R21523	5 98	159	17 5	7	2	14	0	04/08/2010	495692 8	6653482 7	178 7
R21524	5 91	206	17 3	3	2	14	0	04/08/2010	496763 2	6654034 0	190 1
R21525	5.92	148	18 0	3	2	14	0	04/08/2010	495563 7	6655064 9	170 0
R21526	6 10	210	17 5	15	2	14	0	04/08/2010	496348 4	6655833 0	163 7
R21527	5 73	168	16 9	20	2	14	0	04/08/2010	496761 7	6656154 2	163 6
R21528	6 07	130	16 8	4	2	12	0	04/08/2010	497204 4	6656750 8	177 1
R21529	6 00	131	17 8	7	2	2	0	04/08/2010	498453 0	6658081 0	205 9

Sample#	pH	ORP (mV)	Temp (°C)	Depth (m)	Int	Colr	Cont	Date (dd/mm/yyyy)	X UTM	Y UTM	Z m
R21530	6 25	173	17 5	4	2	14	0	04/08/2010	499689 2	6659301 6	188 9
R21531	6 04	160	17 1	3	2	14	0	04/08/2010	501324 0	6659570 9	191 7
R21532	5 98	172	17 1	5	2	14	0	04/08/2010	502732 5	6659318 0	193 9
R21533	6.20	188	17 2	5	2	14	0	04/08/2010	503903 4	6660059 6	211 7
R21534	6 23	174	17 0	2	2	11	0	04/08/2010	505118 4	6659376 1	194 7
R21535	6 06	198	17 1	2	2	14	0	04/08/2010	506429 8	6661139 1	203 9
R21537	6 39	193	16 8	5	2	2	0	04/08/2010	506660 5	6661826 2	197 3
R21538	5 65	188	17 6	2	2	14	0	04/08/2010	505266 2	6660905 5	196 4
R21539	6 16	230	17 1	2	2	14	0	04/08/2010	504295 5	6660313 4	227 7
R21540	6 05	183	17 3	3	2	14	0	04/08/2010	503914 3	6660631 1	193 9
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R21542	5 44	189	14 7	8	2	12	0	05/08/2010	492133 4	6693959 4	171 0
R21543	5 93	171	13 5	4	2	11	0	05/08/2010	492324 1	6694598 9	192 2
R21544	5 93	187	13 2	14	3	2	0	05/08/2010	492962 8	6695064 4	197 3
R21545	6 04	186	13 8	4	3	2	0	05/08/2010	493217.4	6695568 5	197 4
R21546	6 07	196	14 1	3	2	2	0	05/08/2010	494098 4	6696520 2	213 4
R21547	6 11	160	14 6	4	2	2	0	05/08/2010	494727 3	6697187 8	176 8
R21548	5 96	189	15 0	10	2	10	0	05/08/2010	495073 3	6698610 6	173 0
R21549	5 96	190	14.1	4	2	12	0	05/08/2010	494621 5	6699302 1	179 6
R21550	6.14	187	13 8	4	2	2	0	05/08/2010	495018 1	6700032 5	173 0
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R21552	5 96	99	14 3	4	2	12	0	05/08/2010	495019 9	6702272 4	178 5
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R21555	5 91	85	15 4	3	2	6	0	05/08/2010	496470 5	6704630 5	175.4
R21556	5 92	21	15 6	4	2	11	0	05/08/2010	496661 4	6705138 6	175 5
R21557	5 90	63	15 6	4	2	11	0	05/08/2010	495511 9	6705621 1	215 8
R21558	6 11	74	15 6	6	2	12	0	05/08/2010	493782 4	6705932 4	215 2
R21559	6 09	71	15 9	4	2	10	0	05/08/2010	493316 8	6706672 4	202.3
R21560	6 46	21	15 6	6	2	11	0	05/08/2010	491708 9	6707771 6	171 5
R21561	6 34	82	14 8	3	2	11	0	05/08/2010	490841 1	6708901 1	180 3
R21562	5 79	109	16 3	5	2	12	0	05/08/2010	490026 9	6709553 6	182 9
R21563	6 09	16	16 6	8	2	10	0	05/08/2010	489677 6	6709916 3	190 1
R21564	6 14	31	16 7	5	2	11	0	05/08/2010	490073 8	6710676.6	221 1
R21565	6 20	65	16 8	3	2	11	0	05/08/2010	489919 5	6711250 4	219 4
R21566	6 06	49	17 8	10	2	11	0	05/08/2010	489408 2	6711526 3	215.8
R21567	6 16	72	17 4	3	2	10	0	05/08/2010	488644 9	6711511 7	198 4
R21568	6 05	109	17 5	3	2	12	0	05/08/2010	488484 1	6712206 2	210 8
R21570	6 04	59	17 0	8	2	12	0	05/08/2010	488042 2	6712456 9	222 7
R21571	6 08	39	17 1	13	2	2	0	05/08/2010	488182 1	6713278 3	197 0
R21572	5 86	92	16 8	5	2	11	0	05/08/2010	487902 5	6714730 1	228 6
R21573	5 85	163	18 1	6	2	11	0	05/08/2010	476356 8	6716421 2	201 1
R21574	5 93	150	19 8	2	2	2	0	05/08/2010	474773 9	6715821 8	208 0
R21575	5 76	181	18 1	3	3	12	0	05/08/2010	474023 2	6715940.5	207 2
R21576	5 89	173	17 7	4	2	11	0	05/08/2010	473191 6	6715922.1	207 3
R21577	5 88	132	17 2	5	3	12	0	05/08/2010	470064 4	6717553 4	227.7
R21578	6 04	54	17 5	5	3	12	0	05/08/2010	469769 2	6718253 6	217 6
R21579	6 14	42	19 1	5	3	12	0	05/08/2010	468596 6	6718202 2	205 1
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R21581	5 86	82	18 2	6	3	3	0	05/08/2010	466769 7	6718183 4	221 6
R21582	5 89	96	17 6	7	2	12	0	05/08/2010	466186.5	6718306 0	207 9
R21583	6.14	100	19 2	6	2	11	0	05/08/2010	465322.7	6718154 7	227 1
R21584	6 05	105	18 0	4	3	12	0	05/08/2010	464424 6	6718698 7	213 1
R21585	6 48	78	18 9	6	3	12	0	05/08/2010	462375 6	6718048.0	205 7
R21586	6 07	127	18 3	7	2	2	0	05/08/2010	461540 7	6718040 9	214 8
R21587	5 96	144	18 0	4	1	10	0	05/08/2010	460680 1	6718811 5	211 1
R21588	5 87	135	18 0	4	2	12	0	05/08/2010	460346 4	6718934 2	221 4
R21589	5 79	122	18 2	3	3	12	0	05/08/2010	459194 3	6720770 2	198.5
R21590	6 02	144	18 2	2	2	11	0	05/08/2010	458338 8	6722104 0	203 1
R21591	5 92	159	18 9	4	2	11	0	05/08/2010	457512.1	6722366 9	218.6
R21592	6 05	68	19 3	3	3	12	0	05/08/2010	457105 5	6722958 2	222 7
R21593	5 87	91	18 6	4	2	11	0	05/08/2010	455578.1	6722732 7	189 3
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R21595	5 90	119	18 5	3	2	11	0	05/08/2010	452353 1	6723123.0	153 6
R21596	5 77	152	18 6	2	2	11	0	05/08/2010	453766 6	6722859 5	163 0
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R21598	5 88	151	18 7	6	3	12	0	05/08/2010	455869 1	6721461 2	202 6
R21599	5 71	147	18 2	4	3	12	0	05/08/2010	457176 6	6720980.2	207 1
R21600	5 90	141	18 3	6	2	6	0	05/08/2010	457930 3	6720758 9	207 5
R21601	5 70	173	18 2	2	2	11	0	05/08/2010	458715 8	6720861 5	207 6
R21602	5 82	187	18 9	4	2	6	0	05/08/2010	459121 7	6720095.1	198 1
R21603	6 21	-13	18 7	7	2	6	0	05/08/2010	460065 8	6718163 3	214 8
R21604	5 32	218	19 5	4	2	11	0	05/08/2010	461849 3	6717621 4	237 7
R21605	5 64	200	18 4	4	2	11	0	05/08/2010	463072 1	6717019 5	228 7
R21606	6 16	35	18 8	3	2	2	0	05/08/2010	464684 2	6717726 2	208 2
R21607	5 84	165	18 5	3	2	11	0	05/08/2010	466222 1	6717839 6	207 7
R21608	6 06	114	18 9	2	2	2	0	05/08/2010	466841 8	6717697 0	209 2
R21609	5 74	153	19 3	2	2	11	0	05/08/2010	468822 6	6717469 0	216 4
R21610	6 00	109	18 3	8	3	12	0	05/08/2010	469085 5	6717577 1	214 8
R21611	5 77	141	18 7	5	3	12	0	05/08/2010	469563 6	6717090 7	226 7
R21612	5 64	164	19 1	13	2	11	0	05/08/2010	469983 1	6716551 5	218 7
R21613	5 95	9	18 8	14	3	3	0	05/08/2010	474519 3	6715392 3	207 1
R21614	6 03	111	18 5	3	2	6	0	05/08/2010	475492 8	6715503 1	201.3
R21616	5 46	230	13 4	3	2	12	0	05/08/2010	474830 0	6714954 0	207 9
R21617	5 93	223	13 4	4	2	10	0	05/08/2010	474008 2	6714978 0	207 4
R21619	5 88	108	12 9	9	2	11	0	05/08/2010	469853 8	6716499 6	218 7

Sample#	pH	ORP (mV)	Temp (°C)	Depth (m)	Int	Colr	Cont	Date (dd/mm/yyyy)	X UTM	Y UTM	Z m
R21620	5 93	151	13 1	4	2	6	0	05/08/2010	468068.2	6716921 2	231 1
R21621	5 70	181	13 4	9	2	10	0	05/08/2010	467265 3	6717100 4	231 3
R21622	5 71	178	14 8	5	2	12	0	05/08/2010	465995 4	6717095 7	234 6
R21623	5 68	207	14 5	5	2	11	0	05/08/2010	464927 4	6716724 9	229 1
R21624	5 70	200	13 8	4	2	10	0	05/08/2010	463795 0	6716941 3	212 9
R21625	6 07	199	13 5	6	2	2	0	05/08/2010	461797.3	6716743 2	239 4
R21626	6 10	206	13 6	3	2	11	0	05/08/2010	461261 5	6717061 2	245 1
R21627	5 81	102	14 0	5	2	12	0	05/08/2010	460572 8	6717443 2	228 9
R21628	5 81	117	14 0	5	2	12	0	05/08/2010	459410 9	6718790 5	215 2
R21629	6.07	-40	14 2	6	2	11	0	05/08/2010	458776 3	6719765 2	213 9
R21630	6 26	43	14 5	3	2	12	0	05/08/2010	458255 9	6720215 3	223 5
R21631	6 05	93	14 0	3	2	11	0	05/08/2010	456903 1	6720169 5	200 5
R21632	5 98	124	14 3	2	2	11	0	05/08/2010	456236 3	6720713 8	203 6
R21633	5 93	169	16 0	10	2	6	0	05/08/2010	455007 4	6721230 3	188 5
R21634	5 82	156	15 1	2	2	12	0	05/08/2010	453249 7	6722385 8	152.8
R21635	5 88	148	15 1	4	2	11	0	05/08/2010	452842 4	6721971 0	152 7
R21636	5 89	127	16 2	5	2	11	0	05/08/2010	451929 6	6719574 4	148 0
R21637	5 88	137	15 2	2	2	12	0	05/08/2010	452618 2	6719521 0	153 6
R21638	5 95	72	14 5	8	2	12	0	05/08/2010	453046 5	6720162 3	162 7
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R21640	5 94	100	14 8	5	2	11	0	05/08/2010	454491 7	6719147 4	176 3
R21641	5 90	127	15 2	4	2	11	0	05/08/2010	454720 0	6720717 1	173 5
R21642	6 06	13	15 1	4	2	10	0	05/08/2010	453725 7	6720760 1	167 8
R21643	6 20	94	15 1	3	2	11	0	05/08/2010	455452 6	6720180 0	187 8
R21644	5 98	84	15 0	7	2	11	0	05/08/2010	455947 3	6719507 6	194 5
R21645	5 98	129	17 4	1	3	12	0	05/08/2010	457270 8	6719782 2	210 2
R21646	5 82	141	15 7	4	2	11	0	05/08/2010	456839 3	6718473 2	215 6
R21647	5 81	159	15 7	4	2	12	0	05/08/2010	458447 1	6719301 8	222 0
R21648	5 67	161	14 9	4	2	12	0	05/08/2010	458843 3	6719135 8	216 3
R21649	6 43	4	16 7	6	2	10	0	05/08/2010	459111 1	6717909 4	215 4
R21650	6 20	97	16 6	5	2	11	0	05/08/2010	459986 3	6717516 8	227 3
R21651	5 97	135	16 4	5	2	11	0	05/08/2010	459813 0	6716965 8	240 3
R21652	5 87	130	17 0	4	2	2	0	05/08/2010	459916 3	6716514 7	216 2
R21653	5 98	160	17 0	3	2	2	0	05/08/2010	460708 2	6716320 4	216 1
R21654	5 77	165	16 6	3	2	12	0	05/08/2010	463046.5	6716294 5	229 2
R21655	5 66	196	17 3	4	2	6	0	05/08/2010	463492 1	6716485 6	218 6
R21656	5 79	131	16 5	7	2	12	0	05/08/2010	466106 5	6715980 2	228 5
R21657	5 62	130	16.8	7	2	12	0	05/08/2010	467748 4	6716472 3	231 3
R21658	5 59	139	16 5	5	2	11	0	05/08/2010	469477 9	6715956 9	207 7
R21659	5 94	175	17 9	1	2	12	0	05/08/2010	474755 5	6714557 4	214 8
R21660	6 38	154	18 0	4	2	6	0	05/08/2010	475332 2	6714636 6	208 0
R21661	5 93	175	17 0	3	2	11	0	05/08/2010	476202 6	6714941 7	211 1
R21662	5 73	161	18 0	4	2	11	0	05/08/2010	477686 4	6714686 2	205 3
R21663	5 89	129	17 9	8	2	12	0	05/08/2010	476040 9	6714383 3	205 3
R21664	5 93	141	17 3	7	2	12	0	05/08/2010	474898 0	6713813 2	222 9
R21665	5 87	156	17.2	10	2	12	0	05/08/2010	468433 5	6715641 9	239 5
R21667	5 73	172	17.5	3	2	12	0	05/08/2010	467679 6	6715521 0	215 0
R21668	5 81	137	17 3	3	2	11	0	05/08/2010	467256 2	6716125 8	223 5
R21669	5 75	149	16 7	3	2	11	0	05/08/2010	465471 2	6715659 2	224 8
R21670	5 75	168	17 2	5	2	11	0	05/08/2010	464404 1	6715494 9	222 2
R21671	5 85	164	17 5	10	2	11	0	05/08/2010	464001 3	6715864.9	218 6
R21672	5 59	143	17 6	5	2	10	0	05/08/2010	461952 1	6715670 0	229 0
R21673	5 64	146	17 9	4	2	10	0	05/08/2010	461228 5	6715212 1	226 7
R21674	5 80	150	17 3	6	2	11	0	05/08/2010	461802 6	6714569 4	218 3
R21675	5 68	143	17 3	5	2	10	0	05/08/2010	463007 7	6714957 0	225 4
R21676	5 76	152	17 2	6	2	2	0	05/08/2010	464247 5	6714569 1	210 2
R21677	5 95	102	18 6	3	2	10	0	05/08/2010	465391 7	6714980 9	206 5
R21678	5 78	84	19 1	7	2	12	0	05/08/2010	466317 6	6714609 5	216.7
R21679	6.16	30	17 7	13	2	11	0	05/08/2010	466772 0	6715345 4	214 9
R21680	6 16	11	18.2	4	2	11	0	05/08/2010	467350 9	6714692 5	214 8
R21681	5 94	67	18 2	4	2	10	0	05/08/2010	467753 9	6715075 8	214 9
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R21683	6 02	117	17 8	2	2	12	0	05/08/2010	469435.6	6714942.8	221 8
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R21685	5 82	141	18 4	5	2	11	0	05/08/2010	472881 9	6713709 4	216 1
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R21688	5 97	60	19 1	5	2	11	0	05/08/2010	474669 2	6712735 8	226 5
R21689	5 70	131	19.5	4	2	11	0	05/08/2010	475578 3	6712136 8	212 3
R21690	5 89	135	19 0	7	2	2	0	05/08/2010	475443 5	6713187 1	212 3
R21691	5 55	159	19 3	9	2	11	0	05/08/2010	476235 4	6713074 2	212 4
R21692	5 79	182	19 2	10	2	6	0	05/08/2010	475773 7	6713819 0	205 4
R21693	5 72	205	17 0	5	2	11	0	06/08/2010	482482.3	6680177 3	177 6
R21694	5 89	169	13 6	5	2	2	0	06/08/2010	484276 3	6679475 9	136 6
R21695	5 93	149	13 3	3	2	14	0	06/08/2010	482751.7	6678345 6	176 2
R21696	5 84	214	14 4	4	2	11	0	06/08/2010	481482 5	6678584 9	164 6
R21697	5 84	138	14 8	3	2	2	0	06/08/2010	481001 3	6676932 8	153 7
R21698	6 10	230	16 4	2	2	2	0	06/08/2010	483192 9	6676469 8	147 7
R21699	5 82	170	14 6	5	2	2	0	06/08/2010	486328 9	6673860 0	136 6
R21700	5 92	248	14 2	10	2	14	0	06/08/2010	489207 1	6671217.3	140 5
R21701	6 04	172	14 7	6	2	14	0	06/08/2010	489334 8	6670332 1	148 1
R21702	6 23	242	14.0	5	2	14	0	06/08/2010	490435 3	6670245 0	144 6
R21703	5 57	182	14 1	4	2	12	0	06/08/2010	491107 5	6667998 4	158 8

Sample#	pH	ORP (mV)	Temp (°C)	Depth (m)	Int	Colr	Cont	Date (dd/mm/yyyy)	X UTM	Y UTM	Z m
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R21705	5 98	206	14 6	3	2	12	0	06/08/2010	492421 2	6665790 7	152 0
R21706	6 07	246	14 7	4	2	12	0	06/08/2010	492164 5	6665427 0	148 0
R21707	6 18	203	14 8	12	2	14	0	06/08/2010	492421 9	6664818 9	147 3
R21708	6 15	246	15 4	12	2	14	0	06/08/2010	493358 0	6664280 7	160 3
R21709	6 13	126	15 1	3	2	2	0	06/08/2010	492804.6	6663711 7	157 8
R21710	6 09	238	14 6	5	2	14	0	06/08/2010	492763 4	6663053 6	148 1
R21711	6 23	148	14 8	10	2	2	0	06/08/2010	493270 2	6662700 2	145.7
R21712	6 11	245	14 3	8	2	12	0	06/08/2010	494108 2	6662769 7	165 5
R21713	6 00	162	23 5	5	2	14	0	06/08/2010	494817.8	6662607 9	168 8
R21714	6 02	160	23 3	12	2	14	0	06/08/2010	495237 4	6663282 1	188 2
R21715	6 05	161	14 1	6	2	2	0	06/08/2010	496263 4	6663415 8	173 4
R21716	6 03	251	15 6	18	2	14	0	06/08/2010	498504 1	6663175 1	193 4
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R21719	6 36	200	14 5	14	2	14	0	06/08/2010	496911 4	6663949 0	184 4
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R21721	6 16	209	14 5	3	2	14	0	06/08/2010	494518 0	6663493 5	171 7
R21722	6 32	199	14 4	1	2	2	0	06/08/2010	493613 0	6663447 0	160 1
R21723	6 11	221	15 4	3	2	14	0	06/08/2010	494191 5	6664048 0	173 0
R21725	5 90	224	14 7	8	2	12	0	06/08/2010	493531 6	6664871 0	176 7
R21726	5 85	222	14 9	2	2	14	0	06/08/2010	494456.3	6664885 5	174 8
R21727	6 01	143	14 8	13	2	14	0	06/08/2010	495359 2	6664580 2	196 6
R21728	6 11	222	14 6	10	2	14	0	06/08/2010	496606 6	6664406 2	195 6
R21729	6 43	160	14 6	4	2	2	0	06/08/2010	495845 3	6665157 4	182 3
R21730	6 11	172	14 9	5	2	14	0	06/08/2010	495302 9	6665285 1	182 3
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R21732	6 39	192	15 0	10	2	11	0	06/08/2010	493595 0	6665662 1	164 3
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R21734	6 28	188	15 2	4	2	14	0	06/08/2010	494584 1	6666172.5	180 8
R21735	6 29	207	15 2	4	2	14	0	06/08/2010	495635 5	6665941 4	182 2
R21736	6 05	126	14 8	5	2	14	0	06/08/2010	496815 2	6665400 4	194 0
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R21739	5 92	130	15 8	3	2	14	0	06/08/2010	500671 7	6663933 0	213 5
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R21741	5 79	149	15 7	15	2	11	0	06/08/2010	501849 7	6662921.9	197 9
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R21743	5 66	116	15 5	10	2	14	0	06/08/2010	502423 5	6659733.9	193 0
R21744	6 37	228	15.5	6	2	11	0	06/08/2010	500563 1	6659571 1	199 6
R21745	5 61	164	15 8	18	2	2	0	06/08/2010	499089 4	6659651 0	177 9
R21746	6 32	232	15 6	3	2	2	0	06/08/2010	497772 3	6658925 9	166 0
R21748	5 87	145	15 6	5	2	11	0	06/08/2010	496793 9	6657677 7	171 9
R21749	6 30	238	15 8	12	2	2	0	06/08/2010	496409 6	6657104 8	165 0
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R21759	6 24	153	16 1	3	2	14	0	06/08/2010	493581 8	6653879.6	136 4
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R21769	6 36	181	17.2	8	2	2	0	06/08/2010	493938 0	6655920 8	136 5
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R21772	6 18	150	17 0	10	2	14	0	06/08/2010	495017 1	6656964 4	139 4
R21773	6 13	167	16 9	23	2	14	0	06/08/2010	496009 2	6657569 4	165 0
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R21775	6.11	157	17 6	2	2	2	0	06/08/2010	496200 0	6659929.5	166.0
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R21778	5.94	151	17 2	8	2	14	0	06/08/2010	497959 8	6659969 5	167 7
R21779	6 02	103	17 4	18	2	2	0	06/08/2010	498814 7	6660099 1	185 1
R21780	6 19	167	17 3	4	2	2	0	06/08/2010	500136 5	6660586 8	186 9
R21781	6 41	122	17 7	8	2	2	0	06/08/2010	500614 0	6660650 4	189 2
R21782	6 04	195	17 6	4	2	11	0	06/08/2010	501454 3	6660971 6	191 8
R21783	6 15	158	17 5	6	2	2	0	06/08/2010	505205 2	6661599 3	207 4
R21784	6 27	203	17 8	6	2	2	0	06/08/2010	502311 2	6661859 2	196 4
R21785	6.49	150	17 9	12	2	2	0	06/08/2010	500244 3	6661207 5	189 2
R21786	5 98	204	18 4	6	2	2	0	06/08/2010	498308 7	6660584.4	196 1
R21787	6 01	162	18 2	15	2	2	0	06/08/2010	496954 7	6660881 5	173 1
R21788	6 01	184	19.2	16	2	14	0	06/08/2010	496520 2	6660825 7	165 8

Sample#	pH	ORP (mV)	Temp (°C)	Depth (m)	Int	Colr	Cont	Date (dd/mm/yyyy)	X UTM	Y UTM	Z m
R21789	6 04	161	18 0	8	2	14	0	06/08/2010	494888 3	6659891 8	164 7
R21790	5 85	192	18 3	13	2	14	0	06/08/2010	495122 9	6658544 0	167 1
R21791	6 14	170	18 5	3	2	12	0	06/08/2010	494463 5	6657543 2	143 2
R21792	6 05	167	18 7	5	2	2	0	06/08/2010	493381 4	6657285 4	136 8
R21793	6 23	161	18 5	5	2	14	0	06/08/2010	493178 2	6658040 4	137 8
R21794	6 14	168	18 4	6	2	2	0	06/08/2010	491831 3	6657718 4	138 2
R21795	6 34	161	18 7	3	2	2	0	06/08/2010	490755 2	6657808 0	136 3
R21796	5 97	192	18 7	3	2	11	0	06/08/2010	489315 6	6657842 7	137 5
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R21799	5 98	171	18 8	6	2	2	0	06/08/2010	490153.5	6659481 8	137 0
R21800	6 18	196	19 0	4	2	2	0	06/08/2010	489912 1	6662687 9	148 9
R21801	6 26	163	19 1	5	2	14	0	06/08/2010	491241 3	6662742 6	144 2
R21802	6 09	151	19 3	6	2	14	0	06/08/2010	491147 9	6662362 6	144 1
R21803	5 98	181	19 3	4	2	14	0	06/08/2010	490829 9	6661602 2	144 1
R21804	6 12	153	18 9	3	2	14	0	06/08/2010	491174 2	6661020 2	140.2
R21805	5 96	174	18 8	4	2	2	0	06/08/2010	491283 3	6660333 9	140 2
R21806	6 20	163	18 9	3	2	2	0	06/08/2010	491133 1	6659535 4	139 8
R21807	5 96	190	19 1	6	2	2	0	06/08/2010	491392 4	6658615 1	154 6
R21808	6 04	92	20 0	3	2	12	0	06/08/2010	491325 3	6658244 6	146 1
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R21810	6 36	121	19 4	3	2	14	0	06/08/2010	493441.2	6658885 9	139 4
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R21812	6 13	137	20 0	4	2	11	0	06/08/2010	494207 0	6659995 6	153 2
R21813	6 11	165	19 8	2	2	14	0	06/08/2010	495095 1	6660918.5	187.0
R21814	6 29	142	18 8	4	2	2	0	06/08/2010	495983 7	6661427 1	170 8
R21815	6 06	175	20 0	4	2	2	0	06/08/2010	497211.3	6661699 5	166 0
R21816	6 33	151	19 8	5	2	2	0	06/08/2010	497663 1	6661234 4	182 5
R21817	6 02	186	19 8	13	2	14	0	06/08/2010	499427 3	6661729 4	192 1
R21818	6 04	123	19 8	4	2	2	0	06/08/2010	500290 7	6661914 6	193 5
R21819	6 01	200	20 0	4	2	2	0	06/08/2010	501027 6	6662101 1	194 1
R21820	6 06	135	19 6	5	2	14	0	06/08/2010	501416 8	6662444 7	195 9
R21821	5 87	216	19 6	8	2	2	0	06/08/2010	502273 9	6662493 0	200 4
R21822	5 96	134	19 9	13	2	14	0	06/08/2010	503072.4	6662283 5	193 9
R21823	5 77	232	15 5	3	2	11	0	07/08/2010	491668 8	6694450 0	171 5
R21824	5 54	218	15 4	3	2	10	0	07/08/2010	492682 1	6695519 0	197 2
R21825	6 20	227	15 0	3	2	10	0	07/08/2010	493126 1	6696453 2	197 5
R21826	5.83	196	15 3	6	2	10	0	07/08/2010	493355 5	6696715 5	216 0
R21827	6 01	231	15 2	6	2	11	0	07/08/2010	493726 3	6697026 0	173 0
R21828	6 09	196	15 2	8	2	10	0	07/08/2010	492901.8	6696975 0	172 9
R21829	5 86	54	15 4	7	2	2	0	07/08/2010	492001 9	6696437 4	195 5
R21830	6 08	189	15 9	4	2	10	0	07/08/2010	491627 5	6695552 4	171 2
R21831	6 07	195	15 5	10	2	10	0	07/08/2010	491303 6	6696501.1	199 3
R21832	6 30	188	16 0	3	2	10	0	07/08/2010	490636 2	6696238 5	171 0
R21833	6 09	204	15 7	6	2	10	0	07/08/2010	491356 7	6696752 7	182 8
R21834	5 94	180	15 4	4	2	11	0	07/08/2010	493152 0	6701910 2	173 1
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R21836	5 94	202	16 3	10	2	10	0	07/08/2010	494241 8	6702394 5	172 9
R21837	5 74	134	15 9	3	2	11	0	07/08/2010	494146 9	6702691 6	185 3
R21838	6 23	172	16 0	4	2	12	0	07/08/2010	494866 4	6703171.6	206 0
R21840	6 07	43	15 6	5	2	11	0	07/08/2010	495297 2	6703739 3	185 0
R21841	6 04	182	15 9	5	2	11	0	07/08/2010	495041 2	6704605 4	213 3
R21842	6 21	5	15 9	15	2	12	0	07/08/2010	493853 1	6705443.9	211 0
R21843	6 05	85	15 9	3	2	11	0	07/08/2010	492975 7	6705340 3	213 5
R21844	6 34	154	16 0	1	2	12	0	07/08/2010	491831 4	6706480 7	198 9
R21845	6 41	93	15 9	4	2	10	0	07/08/2010	491035 1	6706962 1	171 5
R21846	6 33	124	16.1	4	2	11	0	07/08/2010	491349 6	6707271 4	171 5
R21847	6 06	156	16 0	5	2	2	0	07/08/2010	490305 9	6707659 3	171 4
R21848	6 04	90	16 1	4	2	10	0	07/08/2010	489978 3	6708046 5	171 6
R21849	6 06	140	16 1	3	2	11	0	07/08/2010	489642 0	6708581 8	180 2
R21850	6 08	150	16 1	4	2	11	0	07/08/2010	489016 1	6709282 3	212 0
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R21856	6 27	152	17 0	3	2	12	0	07/08/2010	485882 1	6710508 7	191 0
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R21858	5 98	150	16 1	8	2	11	0	07/08/2010	485391 2	6711243 2	171 3
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R21860	6 04	120	16 3	3	2	11	0	07/08/2010	487046 6	6712061 3	217 1
R21861	6 24	161	16 1	5	2	10	0	07/08/2010	488068 7	6711566 8	203 4
R21862	6 02	124	16 4	4	2	10	0	07/08/2010	487102 3	6712629 4	222 7
R21863	6.29	65	16.2	4	2	10	0	07/08/2010	486674 6	6713671 7	197 0
R21864	5 95	186	16 1	3	2	2	0	07/08/2010	491580 7	6721318 1	201 1
R21866	6 27	94	16.4	6	2	11	0	07/08/2010	491893 9	6722125 3	232 0
R21867	5.95	187	16 1	4	2	11	0	07/08/2010	492687 0	6722054 4	211 3
R21868	6 23	109	15 9	3	2	2	0	07/08/2010	492313 9	6722357 4	214 8
R21869	6 16	176	16 0	2	2	2	0	07/08/2010	493556 0	6722441 0	216 3
R21870	6 11	130	16 2	8	1	2	0	07/08/2010	494732 8	6722791 3	212 3
R21871	6 36	35	15 8	4	2	2	0	07/08/2010	495846 3	6723739 2	226 2
R21872	6 40	123	16 2	4	1	2	0	07/08/2010	496592 0	6723790 6	226 1
R21873	6 25	132	16 3	2	2	11	0	07/08/2010	496350 8	6721493 9	243 8

Sample#	pH	ORP (mV)	Temp (°C)	Depth (m)	Int	Colr	Cont	Date (dd/mm/yyyy)	X UTM	Y UTM	Z m
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R21875	6 29	74	16 0	3	2	11	0	07/08/2010	496356 7	6720674 3	275 7
R21876	6 07	121	16 2	3	2	2	0	07/08/2010	496643 6	6720214 0	297 2
R21877	6 08	109	16 2	3	2	2	0	07/08/2010	497252 8	6718912 0	267 0
R21878	6.12	160	16 3	2	2	2	0	07/08/2010	496277 6	6718745 8	267 0
R21879	6 06	115	16 2	4	2	11	0	07/08/2010	496749 1	6718346 7	267 1
R21880	6 04	140	17 2	7	1	2	0	07/08/2010	495932 2	6717813 0	260 2
R21881	6 18	124	16 3	3	1	10	0	07/08/2010	496269 6	6717253 0	260 1
R21882	6 13	147	16 7	5	2	2	0	07/08/2010	496049 0	6716515 5	260 1
R21883	6 03	155	16 4	5	3	12	0	07/08/2010	497163 8	6715962 5	271 8
R21884	6 46	161	16 5	5	2	2	0	07/08/2010	498095 1	6715871 6	272 7
R21885	6 17	159	16 1	2	2	2	0	07/08/2010	499098 4	6715380 0	230 1
R21886	6 19	158	16 5	3	2	11	0	07/08/2010	498214 9	6713979.4	234 8
R21887	6 16	163	17 1	4	2	2	0	07/08/2010	497550 5	6713185 9	234 9
R21889	6.01	173	16 4	3	3	12	0	07/08/2010	497448 2	6711995 7	238 5
R21890	6 16	166	16 5	5	2	11	0	07/08/2010	496719 5	6712532 7	218 9
R21891	6.11	180	16 4	3	2	11	0	07/08/2010	496516 2	6712994 1	224 5
R21892	6 14	154	16 6	3	3	12	0	07/08/2010	495225 5	6712065 5	225 5
R21893	6 07	192	16.5	10	2	11	0	07/08/2010	494793 4	6711634 3	218 6
R21894	6 04	164	16 4	4	3	12	0	07/08/2010	494190 3	6712245 4	214 2
R21895	6 02	38	16 3	4	2	6	0	07/08/2010	494604 9	6713065 6	226 7
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R21899	6 13	190	16 4	3	3	12	0	07/08/2010	496781 3	6715481 0	260 2
R21900	6 07	196	16 4	3	2	2	0	07/08/2010	495505 1	6715813 5	264 4
R21901	6 11	166	17 0	3	2	11	0	07/08/2010	494574 5	6718113 6	239 4
R21902	5 98	201	16 6	4	2	2	0	07/08/2010	496071 8	6719193 1	270 0
R21903	5 94	187	16 4	4	2	2	0	07/08/2010	496085 4	6720031 6	274 5
R21904	5 88	155	16 4	4	2	11	0	07/08/2010	495519 3	6720400 2	240 6
R21905	6 08	196	16 6	3	3	2	0	07/08/2010	495250 0	6722403 6	237 4
R21906	5 98	105	16 4	4	2	2	0	07/08/2010	494323 0	6721705 9	224 4
R21907	6 06	191	16 8	3	1	2	0	07/08/2010	493522 2	6721667 7	210.3
R21908	5 86	194	16 4	3	3	12	0	07/08/2010	492471 4	6721152 4	219 8
R21909	5 93	236	16 4	9	2	10	0	07/08/2010	491194 1	6719177.2	201 4
R21910	6 13	230	16 7	3	2	11	0	07/08/2010	492557 2	6719646 6	210 7
R21911	6 01	234	16 4	4	2	10	0	07/08/2010	493364 9	6720443 8	210 5
R21912	6 11	134	16 7	5	2	12	0	07/08/2010	494177 0	6720575 4	231 8
R21913	5 84	221	17 3	1	2	10	0	07/08/2010	494902 1	6721181 4	294 2
R21914	6 09	157	17 1	5	2	2	0	07/08/2010	495289 9	6719656 5	255 9
R21915	6 16	140	17 1	5	2	11	0	07/08/2010	494577 9	6718109 5	239 3
R21916	6 12	138	16 7	7	2	11	0	07/08/2010	494577 2	6717039 3	264 4
R21917	6 13	150	17 1	5	2	2	0	07/08/2010	494623 5	6716166 2	266 7
R21918	6 49	44	16 6	5	2	10	0	07/08/2010	495276 3	6715455 5	242 8
R21919	6 37	184	16 8	5	2	11	0	07/08/2010	495940 8	6714957 4	242 6
R21920	6 14	177	16 9	4	2	10	0	07/08/2010	495060 3	6714080 0	246 8
R21921	6 35	108	16 5	4	2	11	0	07/08/2010	494417 6	6713714 2	228 0
R21922	6 07	119	16 6	8	2	11	0	07/08/2010	493977 4	6713041 2	217 5
R21923	6 02	177	17 0	3	2	11	0	07/08/2010	492575 9	6713898 2	219 5
R21924	6 25	-22	16 7	5	2	2	0	07/08/2010	492439 0	6714885 4	218 5
R21925	6 07	178	17 1	1	2	2	0	07/08/2010	491593 7	6715457 0	227 4
R21926	6 12	156	17 2	8	2	2	0	07/08/2010	492062 3	6716360 7	227 4
R21927	6 19	172	17 2	9	2	11	0	07/08/2010	492111 4	6716958 8	234 7
R21928	6 18	34	17 0	7	2	11	0	07/08/2010	491772 6	6717832 5	229 0
R21929	6 31	62	16 9	2	2	10	0	07/08/2010	492183 2	6718111 2	232 6
R21930	6 30	29	17 3	6	2	11	0	07/08/2010	492704 8	6716514 9	230 0
R21931	6 30	93	17 0	6	2	10	0	07/08/2010	492765 2	6715462 8	218 8
R21932	6 37	63	17 3	5	2	2	0	07/08/2010	493524 9	6714484 0	234 6
R21933	6 19	20	17 0	4	2	11	0	07/08/2010	493834 7	6714502 9	234.7
R21934	5 80	122	17 2	4	2	10	0	07/08/2010	494155 6	6715406 4	254 7
R21935	6 05	44	16 8	5	2	10	0	07/08/2010	493303 9	6715804 3	240 0
R21936	5 92	177	17 0	5	2	11	0	07/08/2010	493373 7	6716700 0	256 8
R21937	6 12	63	17 0	8	2	2	0	07/08/2010	493258 1	6717449 1	230.0
R21938	6 18	-3	16 8	5	2	2	0	07/08/2010	493545 7	6717543 7	230 1
R21940	6 12	172	17 1	10	2	2	0	07/08/2010	494131 5	6717509 3	232 9
R21941	6 23	177	17 1	6	2	11	0	07/08/2010	494155 4	6718743 9	236 3
R21942	5 73	31	17 1	5	2	2	0	07/08/2010	494690 6	6719553 4	232 3
R21943	5 95	198	17 3	4	2	11	0	07/08/2010	493956 5	6719593 8	232 2
R21944	5 93	214	17 7	4	2	10	0	07/08/2010	493025 9	6719042 5	228 6
R21945	6 04	52	17 1	2	2	2	0	07/08/2010	492451 7	6718888 2	213 7
R21946	5 89	209	17 3	5	2	11	0	07/08/2010	491412 2	6718401 4	201 3
R21947	5 98	91	17 1	4	2	12	0	07/08/2010	492590 3	6701920 6	173 0
R21948	5 63	226	17 3	5	2	6	0	07/08/2010	492972 9	6702568 9	183 3
R21949	6 17	89	17 0	4	2	10	0	07/08/2010	492745 8	6702700 9	199 4
R21950	6 29	16	16 8	10	2	2	0	07/08/2010	493897 1	6703493 8	194 2
R21951	6 29	210	17 2	3	2	10	0	07/08/2010	494741 4	6703693 3	194 1
R21952	6.28	48	16 9	5	2	11	0	07/08/2010	493924 5	6704160 6	194.2
R21953	6 11	178	17 1	5	2	10	0	07/08/2010	493270 7	6703716.3	194 1
R21954	6 18	69	17.1	4	2	10	0	07/08/2010	492393 9	6703555 3	217 7
R21955	6 05	82	17 1	4	2	11	0	07/08/2010	492104 9	6702580 8	185 8
R21956	6 05	170	17.2	2	2	11	0	07/08/2010	491473 6	6701868 3	173 0
R21957	6.01	104	17 1	5	2	11	0	07/08/2010	490263 8	6701925 6	173 1
R21958	6 13	162	17 1	7	2	12	0	07/08/2010	490388 4	6702428 1	173 1
R21959	6 10	109	17 3	6	2	11	0	07/08/2010	491112 6	6702944 5	189 6
R21960	6 15	168	17 5	6	2	12	0	07/08/2010	491718 4	6703153 3	196 7
R21961	5 56	98	17 3	4	2	11	0	07/08/2010	491777 9	6704634 2	223 5

Sample#	pH	ORP (mV)	Temp (°C)	Depth (m)	Int	Colr	Cont	Date (dd/mm/yyyy)	X UTM	Y UTM	Z m
R21962	6 30	27	17 5	7	2	12	0	07/08/2010	492506 7	6704758 7	210 1
R21963	5 78	116	17 3	2	2	11	0	07/08/2010	492037 7	6705676 9	189 2
R21964	6 33	84	17 3	4	2	10	0	07/08/2010	491114 7	6706167 6	171 6
R21965	5 67	155	17 4	6	2	2	0	07/08/2010	490438 4	6705817 0	171 6
R21966	6 32	134	18 0	3	2	11	0	07/08/2010	488903 2	6708307 5	171 6
R21967	5 55	118	17 3	6	2	11	0	07/08/2010	488231 4	6709264 0	190 6
R21968	6 30	7	17 5	3	2	12	0	07/08/2010	487757 7	6709247 0	190 6
R21970	6 08	42	18 0	4	2	12	0	07/08/2010	487429 0	6709267.8	198 8
R21971	6 11	63	18 5	5	2	10	0	07/08/2010	487480 2	6710130 6	200 7
R21972	5 86	89	18 1	8	2	11	0	07/08/2010	487128 0	6709915 4	211 0
R21973	6 04	114	18.6	3	2	12	0	07/08/2010	486435 6	6709386 4	200 5
R21974	6 04	105	18 8	2	2	11	0	07/08/2010	485452 1	6710192 9	173 9
R21975	5 92	112	18 6	4	2	11	0	07/08/2010	485706 8	6709711 8	174 0
R21976	5 94	122	18 5	8	2	11	0	07/08/2010	485936 8	6708556 1	165 4
R21977	5 87	145	18 8	5	2	11	0	07/08/2010	486167 7	6708146 1	167 0
R21978	6 03	93	19 4	3	2	12	0	07/08/2010	486849 7	6708187 6	200 5
R21979	5 79	183	19 0	2	2	10	0	07/08/2010	487898 9	6708341 0	172 4
R21980	5 95	114	19 5	3	2	11	0	07/08/2010	488229 5	6707913 2	171 7
R21981	5 82	-21	19 3	2	2	10	0	07/08/2010	488393 4	6707412 4	171 9
R21982	5 81	141	19 5	1	2	11	0	07/08/2010	487442 8	6707381 3	197 6
R21983	5 87	101	19 4	4	2	11	0	07/08/2010	488216 3	6707109 1	171 8
R21984	6 12	72	19 5	5	2	2	0	07/08/2010	488768 0	6705977 1	171 8
R21985	5 96	29	19 1	4	2	10	0	07/08/2010	489403 3	6705690 5	171 8
R21986	5 73	194	17 0	2	2	11	0	07/08/2010	490773 3	6704825 0	191 1
R21987	5 82	75	19 5	3	2	10	0	07/08/2010	491390 2	6705135 1	189.0
R21990	5 82	88	18 0	4	2	11	0	08/08/2010	471324 6	6686082 0	173 6
R21991	5 88	104	17 9	4	2	11	0	08/08/2010	470949 0	6687384 4	186 4
R21992	6 35	-11	17 5	3	2	12	0	08/08/2010	470337 1	6687813 9	191 5
R21993	6 37	-70	18 0	10	2	11	0	08/08/2010	469115 4	6687717 7	173 6
R21994	6 33	48	18 6	2	2	14	0	08/08/2010	468712 3	6688375 8	178 2
R21995	6 13	22	17 9	6	2	14	0	08/08/2010	467479 6	6688583 4	173 6
R21996	6 53	-10	18 4	6	2	14	0	08/08/2010	466565.8	6690724 1	190 1
R21997	6 12	-20	18 6	5	2	14	0	08/08/2010	466163 8	6693243 6	190 0
R21998	6 11	73	19 0	5	2	14	0	08/08/2010	465927 6	6694285 0	182 5
R21999	6.02	50	18 3	2	2	14	0	08/08/2010	465560 3	6695474 8	171 8
R22000	6 26	-12	18 2	12	2	11	0	08/08/2010	466172 7	6696249 1	171 1
R22001	6 11	-12	17 9	4	2	11	0	08/08/2010	466003 0	6697836 8	181 9
R22002	5 86	109	19 1	2	2	14	0	08/08/2010	466677 5	6698382 9	195 5
R22003	5 99	32	18 5	1	2	14	0	08/08/2010	466245 8	6699218 4	187 7
R22004	5 88	170	19 5	1	2	11	0	08/08/2010	466574.5	6699460 9	189 7
R22005	6 03	27	19 2	1	2	14	0	08/08/2010	466579 8	6700156 1	182 5
R22006	5 96	70	19 7	3	2	14	0	08/08/2010	466089 7	6700360 8	177 6
R22007	6 16	74	19 3	4	2	14	0	08/08/2010	466548.4	6701531 1	187 4

Sample#	pH	ORP (mV)	Temp (°C)	Depth (m)	Int	Colr	Cont	Date (dd/mm/yyyy)	X UTM	Y UTM	Z m
R22008	6 43	43	19 2	2	2	3	0	08/08/2010	467334 0	6702189 9	224 8
R22009	6 03	67	19 3	4	2	14	0	08/08/2010	468118 5	6701644 1	199 2
R22010	6 17	124	19 6	4	2	11	0	08/08/2010	467979 5	6701150 2	171 1
R22011	5 85	106	19.6	4	2	14	0	08/08/2010	467040 3	6700785 8	182 7
R22012	6 07	77	19.5	2	2	14	0	08/08/2010	467420 0	6699875 3	192 7
R22014	5 82	61	19 9	10	2	11	0	08/08/2010	467417 2	6698020 2	198 5
R22015	6.22	63	21 3	15	2	11	0	08/08/2010	467393 5	6697331.0	181 9
R22016	5 88	52	19 5	5	2	2	0	08/08/2010	466717 6	6696874 8	182 0
R22017	6 20	-28	19 6	12	2	12	0	08/08/2010	466860 9	6695861 5	175 3
R22018	6 15	50	19 4	2	2	12	0	08/08/2010	466799 3	6695379 6	202.5
R22019	6 18	20	19 9	10	2	14	0	08/08/2010	466771 2	6694819 0	182 8
R22020	5 93	70	20 5	12	2	14	0	08/08/2010	467097 3	6693888 1	182 7
R22021	6.26	2	20 8	1	2	14	0	08/08/2010	467635 4	6692834 2	191 3
R22022	6 03	64	20 6	3	2	11	0	08/08/2010	468032 0	6692030 2	194 0
R22023	6.26	70	21 3	3	2	14	0	08/08/2010	468239 2	6691273 9	196.5
R22024	6 04	37	19 6	2	2	14	0	08/08/2010	467682 6	6689930 3	190 1
R22025	5 72	109	20 4	7	2	14	0	08/08/2010	468743 4	6689698 4	190 1
R22026	5 74	96	20 0	4	2	14	0	08/08/2010	469720 3	6689019 2	202 1
R22027	5 98	60	20 0	2	2	11	0	08/08/2010	470598.3	6688572 4	215 7
R22028	6 04	62	20 4	3	2	14	0	08/08/2010	471606 3	6688129 7	182 1
R22029	5 88	57	21 1	5	2	11	0	08/08/2010	471658 8	6686718 7	206 4
R22030	6 05	53	19 9	4	2	11	0	08/08/2010	472707 3	6687297 1	177 8
R22031	6 34	2	19 7	5	2	11	0	08/08/2010	471329 3	6689069 7	202 6
R22032	6 09	-26	19 6	4	2	10	0	08/08/2010	470361 1	6690497 4	200 6
R22033	6 29	6	19 8	5	2	10	0	08/08/2010	469529 7	6691071 4	205 9
R22034	6 33	-82	20 3	12	2	12	0	08/08/2010	469259 7	6692623 5	189 9
R22035	6 04	21	20 7	4	2	11	0	08/08/2010	469012 1	6693376 3	198 1
R22036	6 34	-18	20 0	5	2	12	0	08/08/2010	468215 7	6693065 3	191 2
R22037	6 19	51	20 2	12	2	11	0	08/08/2010	468256 9	6694421.4	182 7
R22039	6 02	7	20 3	9	2	11	0	08/08/2010	468686 5	6695597 9	182 3
R22040	6.57	-29	20 0	15	2	11	0	08/08/2010	467788 0	6696321 9	182.0
R22041	6 08	58	20 4	6	2	2	0	08/08/2010	468130 0	6697122 1	182 0
R22042	6 50	-34	20.0	5	2	11	0	08/08/2010	467639 1	6698981 9	199 3
R22043	5 94	56	19.9	4	2	11	0	08/08/2010	468222.1	6699533 7	195 9
R22044	5 96	30	20 1	6	2	11	0	08/08/2010	468484 9	6698824 8	199 3
R22045	6 04	33	20 0	3	2	11	0	08/08/2010	469047 7	6698195 7	199 3
R22046	5 98	47	20 1	3	2	11	0	08/08/2010	469690 4	6698062 8	185 1
R22047	5 65	133	20 2	12	2	10	0	08/08/2010	470493 8	6698225 0	171 2
R22048	5 75	105	20 6	7	2	7	0	08/08/2010	471710 7	6697096 0	171 3
R22049	6 04	31	20 8	5	2	11	0	08/08/2010	470419 8	6695891 0	210 8
R22050	5.74	121	20 8	5	2	11	0	08/08/2010	470634 8	6696887 0	179 7
R22051	5 76	182	20 8	4	2	11	0	08/08/2010	470715 0	6697020.6	179 9
R22052	5 74	82	20 4	5	2	10	0	08/08/2010	470117 1	6697276 7	180 0

Sample#	pH	ORP (mV)	Temp (°C)	Depth (m)	Int	Colr	Cont	Date (dd/mm/yyyy)	X UTM	Y UTM	Z m
R22053	6 05	54	20 3	6	2	11	0	08/08/2010	469102 1	6697466 4	210 6
R22054	6 14	90	20 4	10	2	11	0	08/08/2010	468729 4	6696674 0	186 7
R22055	6 09	43	20 5	5	2	11	0	08/08/2010	469331 1	6695874 8	177 2
R22056	6 58	-46	20 4	10	2	11	0	08/08/2010	469213 6	6695370 4	177 2
R22057	6 14	40	20 5	8	2	11	0	08/08/2010	470008 6	6695414.2	177 3
R22058	6 03	29	20 5	1	2	12	0	08/08/2010	470316 8	6694856 5	172 0
R22059	5 73	72	20 6	4	2	11	0	08/08/2010	469508 0	6694497 7	171 4
R22060	5 96	45	20 6	4	2	14	0	08/08/2010	470313 3	6693941 4	173 6
R22061	6 04	38	20 6	5	2	11	0	08/08/2010	470248 2	6693063 6	180 6
R22062	5 98	26	20 6	6	2	11	0	08/08/2010	471110 5	6692219 1	190 2
R22063	5 76	77	21 1	5	2	11	0	08/08/2010	470771 0	6691412 5	206 4
R22064	5 95	38	20 4	4	2	11	0	08/08/2010	472716 7	6691392 3	171 2
R22065	5 68	83	20 5	4	2	11	0	08/08/2010	472537 9	6690484 5	183 1
R22067	5 75	117	20 7	5	2	11	0	08/08/2010	472955 3	6689350 5	171 0
R22068	5 80	107	20 5	4	2	11	0	08/08/2010	473197 7	6687624 1	167.9
R22069	5 83	110	20 4	8	2	12	0	08/08/2010	489195 4	6701918 8	193 5
R22070	6 03	65	20 7	5	2	12	0	08/08/2010	489762.9	6702516 7	173 0
R22071	5 96	75	20 5	3	2	11	0	08/08/2010	490073 9	6703073.0	186 7
R22072	5 93	85	20 8	4	2	11	0	08/08/2010	490762 8	6703695 0	213 8
R22073	5 90	88	20 9	8	2	11	0	08/08/2010	490990 2	6704229 8	198 5
R22074	6 09	38	20 9	5	2	12	0	08/08/2010	489531 5	6705316 2	176 6
R22075	5 94	85	20.9	6	2	11	0	08/08/2010	488736 0	6705087 2	171 9
R22076	5 98	60	20 8	5	2	11	0	08/08/2010	488358 7	6705521 2	171 8
R22077	6 14	47	20 8	3	2	11	0	08/08/2010	487931 6	6705252 9	179 4
R22078	6 03	45	20 9	7	2	11	0	08/08/2010	487969 6	6705975.8	172 0
R22079	6 12	85	20 7	4	2	10	0	08/08/2010	486914 4	6706447 0	186 6
R22080	6 01	42	20 7	6	2	11	0	08/08/2010	487521 9	6704489 1	174 0
R22081	5 82	72	20 4	4	2	11	0	08/08/2010	487444 8	6704110.7	174.1
R22082	6 29	-22	20 5	13	2	12	0	08/08/2010	487987 4	6703713 5	177 5
R22084	5 62	97	20 4	4	2	12	0	08/08/2010	489057 3	6704488 5	180 2
R22085	6 16	47	20.3	3	2	11	0	08/08/2010	489394 1	6704457 6	180 2
R22086	6 20	17	20 5	8	2	12	0	08/08/2010	490143 5	6703747 2	213 8
R22087	6 12	68	20 5	5	2	11	0	08/08/2010	489389 4	6703016 2	165 4
R22088	6 03	81	21 0	3	2	14	0	08/08/2010	488851 3	6702780 0	163 6
R22089	5 93	90	20 9	5	2	11	0	08/08/2010	488597 8	6702600 1	163 1
R22090	6 03	66	20 9	7	2	12	0	08/08/2010	488039 2	6702611 8	163 0
R22091	6 02	111	20 9	5	2	11	0	08/08/2010	488223 8	6702487 6	163 0
R22092	5 95	73	21 2	7	2	2	0	08/08/2010	487791 7	6701995 0	163.0
R22093	5 88	106	20 8	6	2	11	0	08/08/2010	488260 3	6701761 2	163 1
R22094	5 92	65	20 8	10	2	12	0	08/08/2010	487902 1	6701213 5	162 9

Sample#	pH	ORP (mV)	Temp (°C)	Depth (m)	Int	Colr	Cont	Date (dd/mm/yyyy)	X UTM	Y UTM	Z m

APPENDIX II

CERTIFICATES OF ASSAY
(TECHNILAB / ACTLAB)

Quality Analysis ... **Actlabs** *Innovative Technologies*

Date Submitted: 16-Sep-10
Invoice No.: A10-6000 (i)
Invoice Date: 18-Oct-10
Your Reference: 30222-Azimut

Techni-Lab Abitibi Inc.(Actlabs)
184 Rue Principale
Ste-Germaine-Boule Quebec J0Z 1M0
Canada

ATTN: Andre Caouette

CERTIFICATE OF ANALYSIS

129 Stream Sediment samples were submitted for analysis.

The following analytical packages were requested: Code 4F-LOI LOI
Code UT-1-0.5g Aqua Regia ICP/MS

REPORT **A10-6000 (i)**

Notes:
Assays are recommended for values >10,000 for Cu and Au.

CERTIFIED BY :

Emmanuel Eseme , Ph.D.
Quality Control

ISO/IEC 17025
SCC Accredited
LAB 266
LAB 266
Accrédité CCN

ACTIVATION LABORATORIES LTD.

1336 Sandhill Drive, Ancaster, Ontario Canada L9G 4V5 TELEPHONE +1.905.648.9611 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Ancaster@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Li	Be	B	Na	Mg	Al	K	Bi	Ca	Sc	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Rb	Sr
Unit Symbol	ppm	ppm	ppm	%	%	%	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.1	0.1	1	0.001	0.01	0.01	0.01	0.02	0.01	0.1	1	0.5	1	0.01	0.1	0.1	0.01	0.1	0.02	0.1	0.1	0.1	0.1	0.5
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
R 20001	6.9	0.6	4	0.033	0.28	2.51	0.15	0.03	0.33	1.6	27	19.0	196	4.34	15.9	16.9	97.9	169	3.00	0.6	0.8	2.0	13.7	20.2
R 20002	4.5	0.6	4	0.018	0.17	1.86	0.07	0.05	0.30	1.0	18	14.5	61	1.35	3.7	10.5	33.8	91.8	2.00	0.4	2.4	1.6	5.7	21.8
R 20003	10.0	0.7	3	0.032	0.34	2.20	0.17	0.05	0.29	2.8	42	40.8	207	5.12	14.1	25.0	85.3	108	4.12	0.4	1.4	2.7	16.9	22.9
R 20004	16.0	0.5	1	0.034	0.58	1.68	0.33	0.03	0.35	3.8	40	31.1	309	3.07	12.5	16.9	86.8	129	5.55	0.4	0.6	0.7	34.0	31.6
R 20005	7.0	0.4	4	0.029	0.25	1.94	0.13	0.03	0.24	2.0	27	27.1	254	4.44	6.5	10.5	66.6	61.2	3.03	0.4	1.9	1.4	13.0	19.1
R 20006	14.4	0.4	2	0.034	0.49	1.54	0.25	0.05	0.32	4.0	41	43.6	184	2.49	8.1	16.6	94.1	93.7	5.08	0.5	1.4	0.9	30.0	28.0
R 20007	19.1	0.5	3	0.033	0.63	1.79	0.39	0.04	0.36	4.3	42	29.6	482	3.42	15.8	18.1	84.0	104	6.02	0.4	1.2	0.6	44.8	36.3
R 20008	9.3	0.3	1	0.021	0.39	1.05	0.18	0.04	0.31	2.6	37	24.0	2820	4.90	13.9	10.2	29.0	49.2	4.32	0.3	0.2	0.4	19.9	26.7
R 20010	14.2	0.4	5	0.034	0.46	1.76	0.24	0.06	0.27	2.7	42	23.4	154	2.06	6.6	19.1	100	99.5	5.29	0.5	1.4	1.7	32.2	25.4
R 20011	12.4	0.4	2	0.027	0.44	1.74	0.24	0.05	0.22	4.2	42	20.7	650	6.75	18.5	19.2	104	123	4.74	0.5	1.0	2.7	30.2	27.1
R 20012	12.4	0.6	2	0.030	0.45	1.86	0.23	0.05	0.29	3.0	40	22.9	193	2.07	8.0	17.0	87.5	103	4.70	0.5	1.6	2.3	25.8	29.3
R 20013	11.5	0.6	4	0.036	0.44	2.01	0.22	0.04	0.29	3.4	42	22.7	254	2.63	11.3	19.9	90.4	179	4.86	0.5	0.7	1.3	25.2	29.4
R 20014	26.3	0.6	4	0.039	0.87	2.51	0.49	0.04	0.33	4.3	45	24.5	320	2.71	16.6	25.8	84.4	157	7.82	0.4	0.4	1.7	69.5	28.0
R 20015	12.1	0.3	2	0.033	0.39	1.30	0.23	0.03	0.28	2.5	22	21.8	127	1.55	7.9	15.0	111	129	3.87	0.3	1.9	1.1	30.6	22.8
R 20016	17.9	0.5	4	0.032	0.65	2.16	0.33	0.07	0.23	5.2	56	27.8	2390	7.56	27.7	21.9	84.0	142	6.45	0.5	0.9	1.8	40.9	29.5
R 20017	13.6	0.4	3	0.029	0.51	1.52	0.25	0.04	0.26	3.1	41	32.8	199	2.13	8.4	16.1	49.3	82.6	5.07	0.3	0.6	1.0	29.9	25.9
R 20018	28.2	0.8	3	0.043	0.99	2.57	0.56	0.05	0.34	5.1	49	30.6	327	2.67	14.8	31.4	127	212	9.09	0.5	1.3	1.5	70.5	36.5
R 20019	19.7	0.5	3	0.036	0.75	2.06	0.39	0.05	0.26	5.3	57	27.7	430	5.09	14.1	19.5	75.4	116	7.68	0.4	1.8	1.5	49.6	37.6
R 20020	18.2	0.6	2	0.038	0.61	2.12	0.37	0.05	0.24	5.5	58	28.7	373	4.50	15.5	23.1	83.6	118	6.61	0.4	0.4	1.3	43.6	31.9
R 20021	13.2	0.3	1	0.035	0.59	1.41	0.31	0.04	0.45	3.8	46	34.2	614	3.32	12.8	15.3	30.1	69.0	5.83	0.3	0.8	0.2	28.1	44.4
R 20022	9.6	0.3	3	0.032	0.41	1.38	0.19	0.04	0.25	3.0	37	33.3	341	2.83	15.2	10.9	53.5	60.0	4.49	0.3	0.6	0.3	20.1	27.8
R 20023	10.2	0.2	2	0.023	0.41	1.00	0.20	0.04	0.32	2.3	34	20.7	150	1.30	6.1	12.4	30.8	66.7	3.96	0.3	0.7	0.7	20.7	27.7
R 20024	9.1	0.3	1	0.020	0.36	0.90	0.20	0.03	0.20	2.9	39	28.4	286	4.62	11.5	9.8	24.3	53.2	3.88	0.3	1.0	0.5	20.5	23.2
R 20025	14.4	0.4	2	0.038	0.53	1.89	0.32	0.04	0.32	3.5	36	38.5	209	2.13	9.9	17.0	62.2	97.8	5.36	0.4	1.1	1.0	35.0	28.8
R 20026	14.4	0.5	3	0.029	0.50	1.79	0.26	0.04	0.29	3.5	44	29.6	311	2.90	9.9	14.4	82.3	101	5.11	0.4	0.6	0.9	30.9	25.0
R 20027	13.1	0.5	2	0.025	0.43	1.88	0.23	0.04	0.22	3.8	46	18.7	861	7.76	31.2	14.6	90.9	107	4.60	0.5	0.6	2.5	28.9	23.9
R 20028	7.8	0.3	4	0.022	0.27	1.27	0.16	< 0.02	0.29	1.4	25	17.3	105	1.53	5.3	13.4	58.8	87.3	2.86	0.3	0.7	1.3	16.0	19.8
R 20029	9.1	0.4	5	0.024	0.29	1.36	0.13	0.03	0.31	1.5	30	31.1	110	1.17	5.0	12.1	50.8	75.1	3.13	0.4	0.9	0.8	13.6	22.7
R 20030	8.4	0.3	2	0.018	0.29	1.03	0.15	0.03	0.29	2.2	27	28.0	115	1.63	4.5	7.9	31.7	57.7	3.11	0.3	1.2	0.6	14.3	21.0
R 20031	8.9	0.4	4	0.035	0.31	1.47	0.17	0.02	0.37	2.0	26	19.2	115	1.35	5.8	14.0	71.8	100.0	3.05	0.5	0.9	1.4	15.2	27.3
R 20032	6.3	0.4	4	0.023	0.26	1.15	0.13	0.05	0.31	1.6	23	38.0	114	1.30	6.0	10.1	39.8	75.1	2.76	0.3	1.7	1.3	11.0	21.3
R 20033	9.8	0.6	6	0.024	0.33	1.26	0.17	0.04	0.31	2.2	31	22.9	124	1.50	5.4	13.0	68.4	94.0	3.30	0.5	1.1	1.3	15.6	27.3
R 20034	9.1	0.4	2	0.026	0.35	1.26	0.17	0.03	0.34	2.2	23	40.1	125	1.41	6.1	10.9	65.2	72.7	3.24	0.5	1.4	1.0	14.6	26.5
R 20035	7.2	0.3	2	0.029	0.34	1.59	0.15	0.03	0.38	1.8	30	24.9	127	2.52	7.7	13.6	49.7	92.6	3.39	0.4	1.2	1.5	13.3	24.6
R 20036	8.9	0.5	6	0.025	0.38	1.84	0.16	0.03	0.32	1.7	28	19.4	262	2.88	11.7	12.8	62.0	89.5	3.38	0.3	1.4	1.9	14.2	21.6
R 20037	7.6	0.7	7	0.033	0.23	2.36	0.12	0.04	0.31	1.2	28	14.8	102	1.51	6.1	15.9	98.4	78.2	2.71	0.5	1.1	2.1	11.6	22.2
R 20038	5.6	0.4	7	0.026	0.17	1.96	0.08	< 0.02	0.43	0.6	13	13.9	66	0.76	3.9	15.9	96.1	51.7	2.27	0.4	0.8	2.0	7.5	29.0
R 20039	13.7	0.6	3	0.031	0.56	2.04	0.30	0.06	0.32	3.2	41	30.7	270	3.44	11.1	16.8	71.1	112	5.35	0.3	1.8	1.3	27.0	31.8
R 20040	6.3	0.4	5	0.029	0.25	1.49	0.11	0.04	0.32	1.4	24	21.0	105	1.90	5.8	11.7	88.8	67.9	2.65	0.3	1.1	0.9	9.4	24.8
R 20041	6.2	0.5	8	0.030	0.25	1.62	0.11	0.04	0.29	1.5	26	28.5	120	2.92	8.8	14.2	102	96.3	2.76	0.3	< 0.1	1.6	9.6	21.9
R 20042	6.6	0.5	4	0.028	0.22	1.42	0.10	0.06	0.25	1.1	19	23.8	125	2.00	6.2	10.6	88.3	82.8	2.36	0.3	1.4	1.4	7.6	18.5
R 20043	14.7	0.4	4	0.061	0.23	1.58	0.11	0.08	0.35	1.4	24	20.5	82	1.70	5.3	14.8	120	103	2.60	0.4	1.2	1.5	10.1	27.8
R 20044	12.5	0.2	2	0.015	0.42	1.21	0.12	0.27	0.37	1.7	105	32.6	209	6.01	11.9	13.2	21.4	55.7	6.37	0.3	1.4	1.1	15.8	20.5
R 20045	5.7	0.5	6	0.021	0.23	1.70	0.11	0.04	0.31	1.3	22	22.6	108	2.53	6.7	12.9	117	76.7	2.73	0.3	0.8	1.4	9.2	23.8
R 20046	2.7	0.6	3	0.026	0.10	2.00	0.05	0.03	0.34	0.6	9	14.9	37	0.57	3.2	14.2	223	45.1	1.66	0.5	0.7	2.2	3.6	27.1
R 20047	4.6	0.6	4	0.033	0.18	1.97	0.09	0.05	0.34	1.4	21	21.1	71	1.46	4.8	19.7	124	95.6	2.47	0.5	1.0	2.3	8.4	24.2
R 20048	21.7	0.6	2	0.030	0.81	2.06	0.52	0.06	0.44	4.9	53	23.7	282	3.18	13.5	22.3	79.5	123	7.22	0.4	0.8	0.6	49.8	41.9
R 20049	12.7	0.7	4	0.027	0.43	2.33	0.26	0.03	0.31	2.0	23	15.1	134	1.36	7.7	17.7	146	87.7	4.31	0.7	2.1	2.9	32.3	26.0
R 20050	8.9	0.6	5	0.025	0.31	2.45	0.17	0.07	0.28	1.4	29	17.0	134	1.58	7.7	13.1	105	81.3	3.76	0.6	1.8	2.3	19.2	22.0
R 20051	12.0	0.3	6	0.021	0.40	1.72	0.22	0.03	0.28	1.4	24	12.8	120	1.36	7.0	15.0	66.8	77.7	4.14	0.4	0.6	1.6	27.4	23.5
R 20052	29.1	0.8	4	0.046	1.04	3.18	0.67	0.05	0.37	4.3	51	26.6	332	3.51	17.6	26.7	153	149	9.42	0.7	1.2	3.3	81.1	37.8
R 20053	10.2	0.5	5	0.025	0.42	2.12	0.20	0.04	0.25	2.3	32	17.5	197	3.09	11.8	13.4	97.5	104	4.50	0.6	1.4	3.0	23.1	22.4

Analyte Symbol	Li	Be	B	Na	Mg	Al	K	Bi	Ca	Sc	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Rb	Sr
Unit Symbol	ppm	ppm	ppm	%	%	%	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.1	0.1	1	0.001	0.01	0.01	0.01	0.02	0.01	0.1	1	0.5	1	0.01	0.1	0.1	0.01	0.1	0.02	0.1	0.1	0.1	0.1	0.5
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
R 20054	11.4	0.6	4	0.033	0.44	1.64	0.22	0.03	0.37	2.7	34	23.6	170	2.53	13.8	14.8	89.1	119	4.36	0.6	1.0	2.4	25.1	29.6
R 20055	6.2	0.9	5	0.016	0.25	1.85	0.11	0.03	0.24	1.9	30	25.0	116	4.90	8.0	11.2	93.3	92.2	3.04	0.6	1.1	2.3	11.0	18.0
R 20056	5.5	0.5	4	0.022	0.22	2.21	0.12	0.05	0.23	1.5	30	24.3	112	2.88	7.0	11.0	99.5	97.6	3.11	0.6	1.8	3.8	11.2	17.5
R 20057	6.5	0.3	3	0.022	0.27	1.35	0.14	0.04	0.27	2.1	28	41.6	135	2.05	4.0	7.5	47.5	67.0	2.84	0.4	1.4	0.7	12.6	18.3
R 20058	16.1	0.6	2	0.034	0.61	1.71	0.37	0.04	0.37	3.9	50	23.9	203	2.31	8.6	15.4	99.1	105	5.46	0.4	1.2	1.6	40.1	31.6
R 20059	9.9	0.5	6	0.023	0.33	1.84	0.19	0.03	0.31	2.6	41	28.0	152	3.06	7.5	13.6	97.5	95.4	3.75	0.5	1.5	2.9	20.6	23.6
R 20060	8.2	0.3	4	0.023	0.26	1.18	0.13	< 0.02	0.27	1.7	24	18.8	105	2.97	7.7	12.0	55.4	103	2.56	0.4	0.8	2.3	13.2	17.6
R 20061	10.3	0.4	2	0.027	0.41	1.51	0.22	0.03	0.34	3.1	31	45.1	346	2.16	9.4	11.6	63.7	69.8	3.95	0.3	1.8	0.5	21.9	23.3
R 20062	11.4	0.4	3	0.021	0.45	1.85	0.24	0.05	0.26	2.6	39	26.9	243	2.58	9.0	11.1	71.7	74.6	4.66	0.4	1.5	1.6	24.4	21.4
R 20063	7.3	0.6	4	0.015	0.24	1.89	0.15	0.03	0.22	2.1	36	20.4	113	4.36	6.5	11.1	67.5	131	3.05	0.4	2.4	2.0	15.6	16.0
R 20064	10.2	0.3	2	0.032	0.37	1.57	0.22	0.03	0.31	2.2	26	44.9	129	1.43	5.7	13.5	56.4	71.7	3.76	0.4	0.8	1.8	20.1	24.6
R 20065	10.0	0.4	7	0.034	0.34	1.55	0.18	0.04	0.49	2.3	41	20.7	381	2.18	14.8	14.6	58.1	141	3.80	0.4	0.6	3.3	17.5	41.2
R 20066	14.2	0.5	2	0.044	0.62	2.04	0.31	0.04	0.39	3.8	47	41.3	362	3.95	12.4	14.3	58.3	89.6	5.27	0.3	1.3	0.6	28.8	30.2
R 20067	10.1	0.2	1	0.030	0.49	1.23	0.23	0.03	0.34	3.0	36	34.2	514	2.93	13.8	9.9	23.8	60.8	4.09	0.2	0.9	1.0	19.8	27.6
R 20068	7.5	0.7	3	0.033	0.22	1.82	0.13	< 0.02	0.42	2.4	22	22.5	75	0.73	8.3	16.3	335	120	2.25	0.6	2.0	2.4	13.2	29.6
R 20069	13.4	0.4	2	0.029	0.52	1.73	0.25	0.04	0.32	3.6	43	27.4	255	5.35	13.6	13.0	54.9	77.8	4.60	0.4	0.8	2.0	27.0	28.8
R 20070	12.2	0.5	2	0.027	0.46	2.14	0.26	0.03	0.27	3.2	35	18.0	497	3.68	16.2	13.1	122	98.9	4.58	0.5	0.3	2.3	31.8	21.0
R 20071	13.2	0.3	2	0.030	0.57	1.62	0.28	0.05	0.36	3.0	39	24.7	223	2.83	9.5	12.2	57.6	84.1	4.91	0.3	1.4	1.6	31.8	26.2
R 20072	11.8	0.3	1	0.015	0.43	1.17	0.12	0.12	0.38	1.9	119	34.0	201	6.04	10.9	12.2	18.8	44.2	6.52	0.2	0.9	0.7	15.1	20.0
R 20073	8.5	0.4	3	0.019	0.20	1.74	0.12	0.03	0.26	1.4	24	53.5	168	1.45	5.5	15.4	75.5	50.0	2.54	0.5	0.5	1.9	10.4	17.5
R 20074	6.5	0.3	2	0.021	0.28	1.26	0.15	0.03	0.27	1.9	23	37.2	122	1.52	4.1	8.0	36.3	50.5	2.80	0.4	1.6	1.0	13.3	18.6
R 20075	6.8	0.5	6	0.038	0.30	1.62	0.12	0.04	0.23	1.0	29	15.0	162	1.90	10.9	15.3	90.5	83.7	3.71	1.1	< 0.1	2.8	14.7	21.2
R 20076	6.4	0.4	2	0.018	0.24	1.07	0.11	0.03	0.19	0.5	18	12.4	92	0.88	4.7	10.6	85.5	84.8	2.79	0.9	< 0.1	2.2	13.9	16.2
R 20077	7.8	0.5	7	0.022	0.30	1.90	0.16	0.05	0.32	1.5	26	18.7	109	1.98	6.8	14.8	115	81.5	3.10	0.5	1.7	2.8	15.0	21.4
R 20078	35.3	0.8	7	0.065	1.22	3.01	0.79	0.04	0.42	5.1	55	26.2	353	3.03	16.0	27.7	132	168	10.4	0.6	0.8	1.2	103	44.1
R 20079	25.1	0.6	3	0.045	0.83	2.33	0.58	0.04	0.30	4.0	44	26.5	280	2.49	13.6	21.2	80.0	130	7.68	0.4	0.7	1.8	68.1	30.4
R 20080	7.7	0.4	3	0.024	0.27	1.93	0.18	0.03	0.26	2.0	19	15.9	96	2.27	8.0	13.0	59.2	79.8	3.11	0.5	0.6	2.1	19.0	21.3
R 20081	17.6	0.6	5	0.038	0.68	2.30	0.38	0.06	0.33	2.5	33	29.8	232	2.03	10.7	19.2	102	101	6.54	0.5	1.0	1.8	44.7	28.5
R 20082	6.8	0.8	9	0.022	0.26	1.86	0.12	0.06	0.33	1.4	29	23.0	135	1.92	7.9	14.6	114	104	3.02	0.5	2.6	2.6	11.9	26.0
R 20083	6.1	0.4	4	0.021	0.25	1.68	0.11	0.03	0.31	1.6	23	13.8	86	1.89	5.3	12.5	71.5	67.3	3.05	0.4	0.7	2.2	10.9	22.0
R 20084	3.2	0.2	2	0.020	0.11	1.33	0.07	0.04	0.25	0.7	3	11.8	35	0.38	2.1	8.2	62.2	38.3	1.55	0.4	1.6	1.1	6.9	21.8
R 20085	9.3	0.4	3	0.027	0.37	1.44	0.17	0.06	0.30	1.9	26	37.2	122	1.57	6.3	11.9	140	80.3	3.81	0.5	1.7	1.8	16.7	26.5
R 20086	6.8	0.4	7	1.47	0.08	2.66	0.57	0.07	0.18	0.3	9	18.0	55	0.80	1.8	4.9	57.4	40.3	5.23	0.5	< 0.1	1.2	15.9	14.8
R 20087	5.7	0.5	7	0.027	0.19	1.76	0.11	0.08	0.29	1.9	21	16.2	77	3.93	9.7	15.9	123	105	2.48	0.7	1.3	2.6	11.2	25.2
R 20088	8.3	0.2	1	0.019	0.37	0.76	0.16	0.07	0.35	1.3	36	46.6	156	2.43	6.7	7.7	11.9	34.5	3.74	0.2	1.9	< 0.1	12.9	23.2
R 20089	2.3	0.3	2	0.018	0.09	1.30	0.04	0.04	0.31	0.6	10	10.9	44	0.83	6.0	11.9	94.8	67.2	1.35	0.4	1.4	1.5	3.9	27.3
R 20090	8.5	0.6	6	0.027	0.27	1.87	0.13	0.08	0.22	2.2	40	23.9	247	6.27	29.3	16.6	150	116	3.40	0.4	< 0.1	3.0	11.8	19.6
R 20091	9.5	0.4	4	0.028	0.29	1.63	0.16	0.06	0.40	1.8	21	24.1	104	1.41	6.1	18.2	151	117	3.14	0.4	1.5	1.9	16.3	30.8
R 20092	11.6	0.5	4	0.027	0.42	1.84	0.22	0.11	0.30	2.4	30	22.2	144	1.99	7.2	16.3	126	119	4.11	0.5	1.3	1.8	23.6	25.8
R 20093	7.3	0.4	4	0.027	0.26	1.84	0.15	0.12	0.28	1.9	28	20.6	95	3.12	6.0	14.9	126	125	3.33	0.6	0.5	2.4	16.2	27.8
R 20094	11.0	0.5	4	0.028	0.42	1.54	0.20	0.06	0.29	2.1	25	19.5	138	2.37	10.0	16.1	120	95.5	3.78	0.6	1.2	2.0	20.9	27.5
R 20095	5.9	0.7	4	0.023	0.22	2.34	0.11	0.07	0.22	1.6	25	21.1	195	3.92	16.0	11.5	156	90.1	3.00	0.6	1.2	3.1	12.2	19.4
R 20096	24.6	0.7	2	0.033	0.93	2.05	0.49	0.11	0.45	4.9	60	29.3	614	3.00	17.5	21.2	85.5	123	8.51	0.4	0.6	0.4	53.8	43.7
R 20097	2.5	0.4	3	0.027	0.09	1.31	0.05	0.03	0.42	0.6	10	11.0	54	0.47	3.4	8.0	51.8	45.4	1.36	0.6	1.1	1.8	5.0	26.8
R 20098	7.1	0.6	6	0.020	0.25	2.05	0.13	0.05	0.30	1.0	17	28.8	99	1.25	6.3	13.1	87.0	50.5	2.89	0.5	1.8	2.4	11.7	17.4
R 20099	27.9	0.5	4	0.060	1.07	2.86	0.68	0.05	0.33	4.0	51	28.4	317	3.28	14.1	26.0	84.4	150	9.82	0.4	1.2	1.3	75.8	35.1
R 20100	14.9	0.6	6	0.036	0.51	2.04	0.29	0.05	0.28	2.7	33	26.0	172	2.15	7.6	14.6	70.7	96.8	5.19	0.5	2.0	1.5	36.1	24.8
R 20101	21.9	0.5	1	0.049	0.76	2.03	0.50	0.03	0.26	2.8	36	14.6	269	1.79	10.7	19.2	75.3	117	6.96	0.7	< 0.1	1.3	73.6	28.8
R 20102	26.1	0.6	6	0.060	0.94	2.31	0.62	0.03	0.39	3.8	37	20.1	292	2.49	13.2	22.5	92.3	127	7.98	0.5	1.5	1.4	78.1	35.7
R 20103	15.4	0.6	4	0.027	0.61	2.58	0.30	0.06	0.24	3.4	39	25.2	272	3.70	10.6	15.6	118	112	5.48	0.6	1.2	1.9	35.6	23.0
R 20104	6.0	0.4	7	0.026	0.21	1.42	0.12	0.04	0.34	1.0	19	16.8	74	1.62	5.1	15.3	151	75.9	2.51	0.5	0.7	2.1	12.4	24.3
R 20105	10.6	0.6	4	0.023	0.45	2.16	0.20	0.05	0.33	2.0	37	20.5	201	2.55	12.0	13.6	98.0	80.1	4.46	0.6	1.2	2.7	20.7	25.7

Analyte Symbol	Li	Be	B	Na	Mg	Al	K	Bl	Ca	Sc	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Rb	Sr
Unit Symbol	ppm	ppm	ppm	%	%	%	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0 1	0 1	1	0.001	0.01	0 01	0.01	0.02	0.01	0.1	1	0.5	1	0 01	0.1	0.1	0.01	0.1	0.02	0.1	0 1	0.1	0 1	0.5
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
R 20106	28 4	0 7	4	0.041	1.04	2 91	0.57	0.07	0.29	5 5	57	29.6	633	3.65	29.6	25.6	193	152	9.63	0 8	0 5	2 4	81 8	35.4
R 20107	5.3	0.5	8	0.020	0.18	1 41	0.10	0.03	0.31	1 0	21	12 8	75	1 16	4.5	11 8	60.4	61.9	2.54	0 6	2.1	1.8	11.3	18 6
R 20108	7 0	0.5	7	0.021	0 22	1 54	0.13	0.03	0.37	1 2	16	16 8	88	1 16	5 0	14.6	73.7	62 0	2 52	0 6	1.9	2.5	15.0	21 0
R 20109	5 8	0.6	4	0 020	0 21	2 40	0.11	0.04	0.22	2 3	30	21 8	286	5.54	15 3	11.5	117	90 7	2 99	0 5	1.4	2 8	12 5	16.2
R 20110	9.4	0.5	3	0 022	0.34	2 16	0.18	0 04	0.28	2 5	37	21.6	163	1.68	6.5	13.4	132	92.7	3 63	0 7	1.0	2 2	20 6	18.7
R 20111	8 1	0.4	5	0 023	0 26	1.78	0.15	0 04	0 30	1 8	28	16.1	157	1.67	7 1	12.7	85.1	85.0	3 09	0 5	2.3	3 0	17 7	19.2
R 20112	3.4	0 5	10	0 024	0 14	1.38	0 06	0.05	0.24	1.2	21	12 4	63	2 18	3.4	9 0	61.7	54 3	2 54	0.9	0.3	3.0	7.7	14.9
R 20113	5.3	0 3	6	0.027	0 20	1.23	0.11	0 05	0 25	1.5	18	42 2	148	1.88	6 0	11.1	54 2	91 5	2.39	0 4	1 3	1.7	10 5	17 8
R 20114	10.5	0.8	4	0 018	0.33	1.89	0.17	0 05	0 27	2 0	34	22 0	493	2.43	8 9	14.5	107	145	3.58	0.7	1.3	3 4	19.3	29 4
R 20115	10.9	0.5	3	0 031	0 39	1 52	0 21	0.05	0.33	2.6	33	51.7	172	1.82	6 4	10.8	63.0	62.6	3 98	0 4	2.1	0.7	21.3	26 9
R 20116	11.9	0.5	2	0.022	0 43	1 54	0.21	0.04	0 32	2 7	24	33 2	234	1.93	6.8	12.1	49 2	83.3	3 97	0 4	1.0	1 1	21 8	26.0
R 20117	25 0	0 6	3	0.050	1.03	2.35	0.48	0 07	0.45	5.7	63	33.9	3110	4 77	24 9	23 4	68.9	119	9.37	0 4	2 0	0 8	50.7	49.9
R 20118	9 1	0 5	6	0 030	0.29	1 63	0.15	0 03	0 38	1.6	20	13.4	104	0.98	5 5	15.0	81.2	76.1	3.21	0 6	2.0	2 2	20 9	24.4
R 20119	6.1	0.6	3	0 027	0.21	1.98	0 09	0 02	0 30	1 1	17	15.4	81	1.09	4 1	12.0	62.0	45.5	2.56	0 5	1.7	2.3	10.9	20.9
R 20120	10.5	0 6	3	0 072	0 38	1.70	0.18	0.06	0.24	1 7	28	25.1	144	1 77	5.7	11.8	48.7	74.8	3.93	0.4	1.1	1.9	17 9	20.1
R 20121	12.3	0 8	7	0.024	0.38	1.85	0.19	0.05	0.34	2.3	35	22 2	168	2.11	8.5	17.4	113	133	4.05	0 7	1.0	3 4	23.5	22 9
R 20122	16 3	0.8	3	0.026	0.50	1.95	0.28	0.05	0.32	2 8	33	25 5	196	1.68	8.8	16.2	119	101	4 66	0 9	0.8	2 8	34.1	23.7
R 20123	10 1	0 4	6	0.021	0 34	2.01	0.18	0.07	0 31	1 6	33	17 8	181	2.08	8 9	13 1	69 3	99 4	3 84	0 5	1.3	3 2	20.8	22.6
R 20124	12 5	0 4	3	0 020	0 48	1.56	0.20	0.07	0 35	2 4	34	22 6	231	2 03	8.5	13 6	50 5	91.4	4.60	0 4	1 8	2 5	21.1	26.1
R 20125	11 0	0 6	4	0 022	0.41	1 63	0.17	0 04	0 37	1 9	28	24 2	162	1.74	8 2	14.9	84.0	106	4.05	0 5	1.8	1.4	17 0	27 0
R 20126	15 3	0 3	1	0 031	0 67	1 19	0.31	0 03	0 44	3 5	47	37.5	255	2 17	8 9	14.6	54 6	152	5.78	0 3	1.6	0.4	30.7	34 3
R 20127	10.8	0.4	3	0.024	0 37	1 73	0.18	0 04	0 35	2.1	27	39.5	153	1 67	8 4	12.1	89.2	66.5	3 66	0 4	1.3	2.2	16.2	25.4
R 20128	6.6	0.7	6	0.020	0.27	2.02	0.12	0.04	0 30	1.7	36	43 2	105	2 59	5.9	12.0	73 7	114	3 41	0.5	0 5	2.5	9.7	18 8
R 20129	7.3	0.2	2	0 014	0.34	0.61	0.14	0 03	0 27	1.0	22	55.1	137	1 50	5 5	7.4	10 2	30 5	3 26	0.2	3 1	0 1	11.6	20.0
R 20130	9.4	0.4	3	0 018	0.37	1.09	0 16	0 03	0 21	2 2	32	31.4	234	2.81	9 2	9.0	39 2	75 1	3 34	0 3	0.6	1.3	14 4	19 5

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Analyte Symbol	Y	Zr	Nb	Mo	Ag	Cd	In	Sn	Sb	Te	Cs	Ba	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	0 01	0 1	0.1	0.01	0.002	0.01	0.02	0.05	0.02	0 02	0 02	0.5	0 5	0 01	0.1	0.02	0 1	0 1	0 1	0.1	0 001	0 1	0 1	0.1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
R 20001	89.9	2 1	2 2	5 40	0.353	0.47	< 0.02	0.31	0 04	< 0.02	0.48	59.3	385	564	98.4	358	50 3	6 8	30 9	3 0	14 3	2 4	6 2	0 8
R 20002	29 3	2 0	1 3	2 51	0.125	0.39	< 0.02	0 45	0 10	0 05	0 34	40.3	183	312	51 4	191	27 5	3.7	15.1	1 4	6.31	1 1	2.6	0 3
R 20003	47.1	2 4	2.4	4 69	0.271	0.32	< 0.02	0 54	0.04	< 0 02	0.58	65.3	244	550	66.9	241	34.7	4 8	21.5	2.1	10.2	1.8	4 6	0 6
R 20004	17 0	3 5	2 4	5 45	0.118	0.16	< 0.02	0.54	0.03	0.06	0.76	117	119	191	36.4	133	18 7	2 3	10 0	0.9	4.22	0.7	1 8	0 2
R 20005	26 3	2 1	1.6	3 97	0 162	0.17	< 0.02	0.29	0 03	< 0.02	0.36	59.7	160	325	49.9	179	24 4	2 9	14 2	1.3	6.08	1 0	2.6	0.3
R 20006	34.4	2 9	2.3	5.77	0.221	0.06	< 0.02	0 62	0 03	< 0.02	0.72	83.1	191	322	64.5	233	32.1	4 0	17 5	1 7	8.21	1 4	3 7	0 5
R 20007	25 4	3 2	2 3	4.48	0.136	0 13	< 0.02	0.62	0 03	< 0 02	0 92	125	144	302	43.4	157	22 2	2 9	13 0	1.2	6.19	1 1	2.8	0 4
R 20008	17 3	2.6	1 4	9 08	0.096	0 09	< 0 02	0 43	< 0 02	< 0.02	0.44	80 3	86.5	157	20 9	72.5	9 8	1.4	6 3	0 7	3.25	0.6	1.5	0 2
R 20010	43.3	2 5	1.6	3 18	0.290	0.55	< 0 02	0 41	0 03	< 0.02	0.91	114	228	284	55 7	190	24 4	3.4	14.7	1.5	7.57	1 4	3.8	0.5
R 20011	46.1	3.2	1.6	9.01	0 243	0.56	< 0.02	0.44	0 04	< 0.02	0.79	137	257	378	59.1	197	25 4	3 5	16 3	1.7	8 45	1.5	4.1	0 6
R 20012	48 2	2 3	1 5	4.26	0 214	0.44	< 0.02	0.40	0 03	0.09	0.72	117	226	403	55.3	191	25 9	3.6	17 6	1.7	8 94	1 6	4.3	0.6
R 20013	48.0	2.6	1 8	5 75	0.200	0.69	< 0.02	0 43	0.04	< 0 02	0.71	148	233	340	58 4	204	27.1	3.8	17.3	1.7	8 82	1.6	4.3	0.6
R 20014	33 3	3.3	2.5	1.46	0 509	0 29	< 0.02	0.59	0.04	< 0 02	1 81	196	234	301	58.1	199	25 4	3.4	15.1	1.5	7 08	1.2	3 0	0.4
R 20015	30.0	2.4	1.3	2 96	0 306	0.67	< 0 02	0.31	0 03	< 0 02	0.83	111	197	246	47.9	160	19.9	2 5	11.4	1.1	5 49	1.0	2 7	0.4
R 20016	34 5	3.4	1.1	3 57	0.066	0.38	0 02	0.56	0 05	< 0.02	1.13	160	228	425	57 0	193	24.3	3 2	14 7	1.4	6 99	1 3	3 4	0 5
R 20017	22.6	3.0	2.0	2.80	0.087	0 21	< 0 02	0.47	0 04	0 09	0 82	104	128	289	32.5	113	14.7	2 1	9.6	0.9	4.62	0.8	2 1	0.3
R 20018	35.2	4 8	2 4	2 64	0.198	0.76	0.02	0.67	0 04	< 0.02	1.70	230	206	278	52 0	185	24.4	3.3	14 9	1.3	6 59	1.2	3.0	0.4
R 20019	31.1	3 9	1 9	2 60	0.100	0.15	0 02	0.62	0 03	0 05	1 18	175	161	267	39.9	137	18.1	2 5	10.8	1.1	5 42	1 0	2.7	0 4
R 20020	21.0	3 3	1.8	3 00	0.215	0.28	< 0.02	0 57	0.02	< 0.02	1 03	208	120	258	30 9	105	13 8	2 0	8 7	0.9	4 59	0 8	2.2	0 3
R 20021	11.0	3.6	1 4	2 58	0 028	0.07	< 0 02	0 53	0.02	< 0.02	0.58	132	50.8	104	13.2	47.4	6 8	1 0	4 8	0.5	2 45	0.4	1 1	0 1
R 20022	20 3	2 5	1 6	2 69	0 084	0.11	< 0.02	0.44	0.02	0.02	0.54	86.9	84 0	218	23.9	88.6	12.4	1 8	8 3	0 8	4.18	0 8	2 0	0.3
R 20023	12 8	1.9	1.4	1 18	0.106	0 32	< 0.02	0 37	0.03	< 0.02	0.56	95.3	79 5	125	18.4	62.0	8 2	1 1	5.4	0 5	2 64	0.5	1 3	0.2
R 20024	14 2	3.1	1 7	2.57	0.049	0.07	< 0.02	0 40	0 03	< 0.02	0.48	69 9	73 9	147	18.2	62.6	8 3	1 3	5 8	0.6	2.91	0.5	1.4	0.2
R 20025	25 9	2.9	2 0	2 91	0.130	0.31	< 0 02	0 41	0 02	0 15	0 81	156	145	230	36.2	126	16 6	2 3	10.5	1.1	5 28	1.0	2 5	0.3
R 20026	42 4	2 3	1 9	4.20	0.179	0 16	< 0 02	0.46	0 03	< 0.02	0.72	90.2	206	429	61.5	217	29.2	3.9	18 0	1.8	8 79	1.6	4.3	0.6
R 20027	47.0	3 3	1 8	5.97	0.238	0.40	< 0.02	0.43	0 03	< 0 02	0 69	104	242	535	60 8	205	26.9	3.7	17 7	1.8	9.20	1 7	4.4	0 6
R 20028	38.5	1.7	1 5	3 22	0 212	0 35	< 0 02	0 26	0.03	< 0 02	0.37	69 8	211	277	50 5	176	22 8	3 1	14 6	1.4	7.26	1.3	3.4	0 4
R 20029	35.9	1.6	2.2	2 93	0 108	0.36	< 0 02	0.40	0 03	< 0.02	0.40	65 9	209	311	52 4	183	23.8	3.2	14 8	1.4	6.85	1.2	3 2	0 4
R 20030	22.3	2 0	2 0	2 98	0 025	0.04	< 0 02	0 40	< 0.02	0 02	0 37	48 3	97.2	186	32 3	120	17.4	2 4	10.3	1.0	5 05	0 9	2 4	0 3
R 20031	43 0	2 0	1 9	3 21	0 177	0.49	< 0 02	0 34	0.02	0 09	0 40	73.5	253	318	63 9	225	29 6	3 9	18 1	1.8	8 24	1 5	3.8	0.5
R 20032	28.1	1 6	2 4	4 06	0 110	0 32	< 0 02	0.44	0.04	< 0 02	0 33	46 8	166	250	42.7	151	19 6	2.6	11 9	1 1	5.48	1 0	2.5	0 3
R 20033	43.3	1 8	2 0	3.01	0.164	0 44	< 0.02	0 39	0.03	< 0.02	0.47	71.8	230	426	59 6	207	28 5	3 8	17 6	1.7	8.66	1 6	4.1	0.6
R 20034	31.3	1 9	2 0	4 02	0.137	0.26	< 0.02	0 38	< 0.02	< 0.02	0.49	53.2	163	278	50.8	189	27 2	3 9	15 6	1.5	7 06	1 2	3.1	0 4
R 20035	34.1	2 3	3.3	2.67	0.193	0.27	< 0.02	0 43	< 0.02	< 0.02	0.49	61 3	189	317	47.8	170	23 9	3.5	15 1	1.5	7.07	1.2	3 1	0.4
R 20036	29.8	1 7	1.9	2 38	0 142	0.41	< 0 02	0 29	0.03	< 0.02	0.57	61.8	170	332	43.6	155	21.5	3 0	13 2	1 3	6 23	1.1	2.8	0.4
R 20037	58 8	1 2	1.1	3 58	0 303	0.54	< 0.02	0.17	0 03	0.02	0 51	81.3	305	523	86.5	316	43.8	6 2	26 3	2 6	12.8	2 2	5.6	0.7
R 20038	46.9	1 3	1 3	1 68	0.237	0.23	< 0.02	0.18	0.03	< 0.02	0 39	84 9	232	395	66.1	247	35.3	5 1	21.4	2.1	10.1	1 7	4.1	0 5
R 20039	32.9	2 7	2 2	5 85	0.106	0.39	< 0.02	0.45	0.03	< 0.02	0.85	92 0	150	255	42.2	154	21 8	3.1	13 4	1.3	6.59	1.1	3.1	0 4
R 20040	27.6	1 4	1 4	2 18	0 178	0.42	< 0 02	0.29	0.05	< 0.02	0 55	61 2	157	283	40 8	147	19 4	3 0	11.8	1.1	5.51	1 0	2.6	0 4
R 20041	34 5	1 8	1.8	3 79	0.248	0.33	< 0.02	0 33	0 04	< 0 02	0 52	49 4	187	327	47 1	167	22 6	3.5	13.7	1.3	6.58	1 2	3.0	0 4
R 20042	28.2	1.3	1 4	3 51	0 153	0.60	< 0 02	0 33	0.05	< 0 02	0.49	42.0	129	249	33.7	122	17 7	2 5	11.0	1.1	5.51	1.0	2 5	0 4
R 20043	33 6	2 2	1 6	3 06	1.34	0.44	< 0 02	0 48	0 34	< 0 02	0.66	59.6	233	364	62.1	224	28 9	4.3	16.1	1.5	7 06	1 2	3.2	0 4
R 20044	6.77	3 8	4 2	0 96	0.041	0.08	< 0 02	0 69	0.02	< 0.02	1.26	28.7	41.1	79 4	8 5	29.9	4 5	0 7	3 1	0.3	1 62	0.3	0 7	< 0.1
R 20045	33.9	1.6	1 7	3 76	0.261	0.39	< 0 02	0.26	0.04	< 0 02	0.55	59.8	185	328	47 5	171	23.4	3.6	14.0	1 4	6 57	1 1	3 0	0 4
R 20046	51.8	1.1	0 9	2.28	0.380	0.37	< 0.02	0 11	0 05	< 0.02	0.29	71.9	292	492	87 3	324	45 8	7 3	26.9	2.6	12.1	2 1	5 3	0 7
R 20047	45.2	1.8	1 4	5.24	0 355	0 36	< 0.02	0 24	0.05	< 0.02	0.49	57.6	306	506	80.4	288	38 1	5.2	21 8	2 0	9.30	1.6	4.1	0 5
R 20048	30 0	4 3	2 5	6 33	0.153	0 25	< 0 02	0 63	0.04	< 0 02	1 27	160	151	276	43.6	158	22 5	3 0	13.5	1 4	6.48	1.1	3.0	0.4
R 20049	55.3	2 8	1.6	1 85	0 432	0 55	< 0 02	0.26	0.02	< 0.02	1.35	144	317	492	99.3	380	53 7	7 4	30 7	2.8	12.4	2 1	5 2	0.7
R 20050	50.9	1 8	1 3	3 21	0.488	0 44	< 0 02	0 24	0 04	< 0.02	0.97	105	300	570	81.2	296	40.7	5.6	24 4	2 3	10 8	1 9	4.9	0.6
R 20051	33 5	2 1	1 3	1.57	0.286	0 23	< 0.02	0 27	0 03	< 0 02	1 03	117	245	386	69.7	255	35.0	4.9	19.6	1 8	8 08	1.4	3.3	0.4
R 20052	50 6	4 3	2 8	3.73	0.734	0 35	0.02	0.61	0 03	0 03	2 69	261	321	591	81.9	293	40.9	6 0	25.1	2.4	10.9	1 9	4.7	0.6
R 20053	53 3	2.5	1 7	4.50	0.328	0 55	< 0 02	0.30	0.04	< 0 02	0 98	100	280	539	77 3	285	39 9	5 9	24 3	2 3	10.8	1 8	5 0	0.7

Analyte Symbol	Y	Zr	Nb	Mo	Ag	Cd	In	Sn	Sb	Te	Cs	Ba	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	0 01	0 1	0 1	0 01	0.002	0 01	0 02	0.05	0.02	0.02	0.02	0.5	0.5	0 01	0 1	0.02	0 1	0 1	0.1	0.1	0.001	0.1	0 1	0 1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
R 20054	54.3	3 0	2.4	6.69	0 392	0.32	< 0.02	0 41	0.05	< 0.02	0.96	87.3	319	509	88.4	320	43 0	6 1	25 0	2 3	11.1	2 0	5.2	0.7
R 20055	65 4	2.7	2.4	8 60	0 299	0.38	< 0.02	0.37	< 0 02	< 0 02	0 48	67 4	327	515	87.7	319	44.2	6 3	28.4	2 8	13.2	2.4	6 1	0.8
R 20056	70 7	1.9	1 8	6.37	0.319	0.52	< 0 02	0 32	0.04	< 0 02	0 50	57 8	333	540	84.2	299	40.2	5 5	26 2	2.7	13.7	2.5	6.7	0.9
R 20057	38.8	2.1	2.6	7.87	0.045	0.13	< 0 02	0 45	0 04	< 0 02	0 42	42.4	159	301	53.6	199	28.2	3 8	16.7	1 7	8 21	1 4	3.9	0.5
R 20058	40.4	3.1	2.4	4.89	0.208	0.27	< 0.02	0 50	< 0.02	0.04	0 88	125	215	405	59 8	206	26.9	3 6	16.7	1 7	8.34	1.5	4.0	0.5
R 20059	56 6	2.2	2 3	5.89	0.392	0 51	< 0.02	0 39	0 03	< 0 02	0.56	92 7	295	479	70 0	237	31 1	4 3	20.8	2 1	10.7	1.9	5 1	0 7
R 20060	34.4	1 9	1 6	4 66	0.134	0.31	< 0.02	0 26	< 0 02	0.04	0 38	43 5	212	270	48 1	164	20 6	2.8	13 1	1.3	6.08	1.1	2 8	0.4
R 20061	23.4	2 1	2.2	4 33	0 078	0.05	< 0.02	0.57	0.02	< 0 02	0 49	80.5	110	268	36.5	142	20.2	2.6	11.5	1.2	5.74	1.0	2.7	0 4
R 20062	30.1	2.2	1.7	2 25	0.238	0.12	< 0 02	0 44	0 03	< 0.02	0.61	71.2	172	377	43.4	145	19.1	2 6	12.6	1 3	6.36	1.1	3 0	0 4
R 20063	41.2	2.2	1 6	4.17	0.156	0.45	< 0.02	0.26	0.03	< 0.02	0.44	67.7	227	396	55 2	188	24.6	3 3	16 3	1 7	8.36	1.5	3.9	0.6
R 20064	29.5	2.2	1.7	4 26	0.140	0.47	< 0.02	0.41	0.03	< 0 02	0.51	82 9	182	228	49 2	174	22 6	2 9	13 7	1 3	5.95	1.0	2.7	0 4
R 20065	47.7	1 5	1.1	15 3	0 325	0.56	< 0.02	0.32	0.03	0 04	0.53	157	255	304	59.2	200	25.5	3 4	15.9	1 6	8.14	1 5	4.1	0.6
R 20066	29.8	2 8	1.9	4 20	0.146	0.07	< 0.02	0.49	0.06	< 0.02	0.74	80 2	94 2	258	35.0	132	19 4	2 7	12.6	1.3	6.60	1 2	3.1	0 5
R 20067	18.0	2.5	2 2	3.09	0.059	0.11	< 0 02	0.67	0.03	< 0 02	0 46	62.3	84 0	191	20.9	72.5	10.0	1 4	6.8	0 7	3.51	0.6	1 6	0.2
R 20068	63.1	2.5	1.3	5.72	0.364	0.81	< 0.02	0.18	0.03	< 0 02	0.39	77.5	378	527	122	453	58.3	7 2	31.2	3 0	13.8	2.4	6 2	0 8
R 20069	33 4	3.2	2.6	2 47	0.127	0.26	< 0.02	0.58	0.03	0.04	0.69	82.9	206	394	45.3	151	19.2	2 7	12.9	1 3	6.17	1 1	3.0	0.4
R 20070	45 4	2.3	1.9	3.34	0.530	0.42	< 0.02	0 41	0.03	< 0 02	0.78	106	292	527	65.4	218	26.9	3 7	18 5	1 8	8.80	1 5	3.9	0.6
R 20071	26 5	2 5	2 6	2 61	0.266	0.25	< 0.02	0 58	0.04	< 0 02	0.76	93.5	163	234	35.7	120	15.3	2 1	10.0	1 0	5 16	0 9	2.4	0 3
R 20072	6 77	4 2	4.0	0 81	0.036	0.07	< 0.02	0.71	0 02	0 02	1.22	30 3	42.1	82 9	9.1	31.7	4.6	0 7	3.1	0.3	1.64	0 3	0.7	< 0 1
R 20073	57.7	1 6	1 5	8 24	0.266	0 25	< 0.02	0.32	0 04	< 0.02	0.35	45 8	241	545	66 1	238	33.2	4 7	23.3	2.5	11 8	2.1	5 5	0 7
R 20074	37 0	2.0	1.8	4 84	0.046	0.05	< 0.02	0.38	0 03	< 0.02	0.46	50.0	156	287	47 8	176	24.2	3 4	15.8	1 5	7.26	1.3	3 5	0 5
R 20075	46 4	2.3	1 5	4 27	0.244	0.52	< 0.02	0.35	0 04	0 11	0.80	114	294	613	79 4	291	40 1	6 2	30.2	2 5	11.1	1.9	4.8	0 6
R 20076	36.5	1.1	1 1	2.90	0.219	0.55	< 0.02	0.23	0 02	0.06	0.63	78.3	256	373	66 5	237	30.8	4.5	21.4	1.8	8.05	1.5	3 7	0 5
R 20077	50.2	2 0	1 3	4 65	0.441	0.48	< 0.02	0.24	0 04	< 0.02	0.66	74 4	325	466	81 1	285	36 6	5.3	22 9	2 1	9 73	1 8	4.4	0 6
R 20078	48.3	7 4	3 2	2 32	0.437	0.39	< 0.02	0.71	0 03	0.04	3.30	212	317	401	88 0	318	42.3	5.9	24.3	2 2	9 79	1 7	4.6	0.6
R 20079	34.7	4.4	2 3	2 70	0.298	0.28	< 0.02	0.54	0 04	< 0.02	2.06	194	203	267	54 7	196	26 1	3 8	15.9	1 5	7.20	1.3	3.4	0.4
R 20080	41.5	2 6	1.5	3.86	0.299	0.29	< 0.02	0 22	0.05	< 0.02	0 68	80 6	274	432	73 8	270	35.7	5 0	21 8	2.0	8 97	1 5	3.8	0.5
R 20081	36.8	3 4	1 9	2.72	0 336	0.44	< 0.02	0.46	0 04	< 0 02	1.72	153	240	383	60.6	217	28.6	4 1	17 2	1 6	7 29	1 2	3 2	0 4
R 20082	57.9	2 0	1.4	5.23	0 290	0.62	< 0.02	0.26	0 04	< 0.02	0.61	67 6	294	471	76 8	276	37.6	5 3	23 7	2 3	11 1	2 0	5.4	0 7
R 20083	28.6	2 0	1.7	3.16	0 349	0.33	< 0.02	0.22	0.03	< 0.02	0 57	76 5	207	347	53 7	192	25.1	3 5	15 3	1 4	6 57	1 1	2 7	0.4
R 20084	28.4	1 2	0.6	0.93	0 232	0 27	< 0.02	0 14	0 05	< 0.02	0.43	58 8	203	334	58.5	220	29.4	4 1	17 1	1 5	6 33	1 1	2 6	0 3
R 20085	33.7	3.2	1.8	2 90	0 196	0 68	< 0.02	0.93	0 04	0.04	0 86	69 7	203	350	57 2	208	27.2	4.1	16 3	1 5	6 79	1 2	3 3	0.4
R 20086	20.6	0 8	0 5	2.81	0 204	0 22	0.04	0 26	0 09	0 03	0 64	34 0	122	207	32 0	113	15.3	2.2	10 8	0 9	4.57	0.8	2.1	0 3
R 20087	60.8	2.7	1 4	5 32	0 430	0 33	< 0.02	0.17	0 05	0 03	1 00	51 7	374	574	101	368	48 8	8 7	30.5	2 7	12 6	2.2	5 7	0 7
R 20088	4.91	3.0	3.7	2 52	0.006	0.07	< 0.02	0 58	0 02	0 05	0.70	33 9	30.0	64 7	6.9	23 5	3 7	0.6	2.5	0 3	1 36	0.2	0 6	< 0 1
R 20089	28.1	1.1	0 8	2 31	0 213	0.28	< 0.02	0.12	0 04	< 0 02	0.40	68 6	174	321	49 2	181	24 6	3.4	15.0	1 4	6.33	1.1	2.7	0 3
R 20090	35 1	2.6	1 8	6.01	0 347	0.43	< 0.02	0.34	0 06	< 0.02	0.86	69 9	211	406	49 4	170	22.2	3.2	14.5	1 4	6.89	1.2	3.2	0 4
R 20091	39 6	2.6	2 0	2.98	0 327	0.67	< 0.02	0.61	0 08	< 0.02	1 20	97.5	223	385	63.0	229	31.5	4 2	20 0	1 8	8 46	1.5	3.7	0 5
R 20092	45 5	2 7	1.9	5.31	0 271	0 53	< 0.02	0.35	0.05	< 0.02	1.69	99 0	258	408	72.1	262	35.9	4 9	22 0	2 0	9 37	1.6	4 2	0 6
R 20093	45.3	2 4	1.5	3.97	0.346	0.42	< 0.02	0 24	0.07	< 0 02	1.25	115	293	408	70 7	248	33.2	4.7	20 2	1 9	8.86	1.5	3 9	0 5
R 20094	44.1	2 8	1 7	2 11	0.259	0.30	< 0.02	0 30	0.05	0 10	1.17	72 2	273	449	72 1	259	34 2	5.2	20.8	1.9	8.87	1.5	4 0	0 5
R 20095	55 0	2.0	1 1	3.51	0.365	0.46	< 0.02	0.64	0.05	0 02	0.81	68 2	286	711	78 6	289	39.9	6 2	25.3	2 4	11.1	1 9	5.1	0.7
R 20096	18 6	4.7	2 2	6 45	0.139	0.09	0.02	0.79	0.02	< 0.02	1 85	164	123	229	33 5	121	17.2	2 3	9.9	0.9	4 30	0 7	1 9	0.3
R 20097	51 5	1.1	0.5	3.11	0 305	0 30	< 0.02	0.08	0 03	< 0.02	0.35	56.8	346	489	94 3	342	45.2	6 2	27 2	2 4	10.9	1.8	4.5	0.6
R 20098	41.4	1.5	1.4	3.99	0.349	0.51	< 0 02	0.28	0.03	< 0 02	0.57	55 3	311	498	84 6	311	40.8	5 6	23.8	2 1	8 93	1 5	3.6	0.5
R 20099	25.8	5.3	2.8	3 29	0.387	0 30	< 0.02	0.63	< 0 02	0 06	2.46	250	205	236	50 8	178	22.4	3.0	12 2	1 1	4 93	0 9	2.3	0.3
R 20100	40.5	3.1	1.6	3 08	0 175	0 14	< 0.02	0 37	0 05	< 0.02	1.24	114	220	351	66 1	243	31.9	4 5	18 8	1 7	8 24	1 5	3 9	0 6
R 20101	28 4	4 5	2 3	1.16	0.265	0 22	< 0.02	0 54	< 0.02	0 11	2 42	300	184	245	50 8	184	24 8	3 5	16.5	1.4	6.18	1 1	2 7	0.4
R 20102	38.5	5.4	2 5	1.86	0.450	0.26	< 0 02	0.50	< 0 02	0 05	2.33	196	253	289	66.5	240	31.7	4.4	18.6	1.6	7 48	1 3	3 3	0.4
R 20103	45.5	2.8	1 9	6.64	0.213	0.19	< 0.02	0.42	0.03	< 0 02	1.42	97 2	286	532	84 4	307	40.3	5 6	23 0	2 1	9.56	1 7	4.4	0 6
R 20104	45.8	2.0	1 2	3 25	0.403	0.48	< 0.02	0 21	0.03	< 0.02	0.60	74 5	311	472	77 9	274	33.8	5 0	20.5	1.9	8 93	1 6	4 2	0.6
R 20105	47 4	2 3	1 9	4 53	0 305	0 41	< 0.02	0 41	0.03	< 0 02	0.93	117	263	616	72 7	288	36 3	5 7	24 2	2 2	10 3	1.8	4 5	0 6

Analyte Symbol	Y	Zr	Nb	Mo	Ag	Cd	In	Sn	Sb	Te	Cs	Ba	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	0.01	0 1	0.1	0.01	0.002	0 01	0.02	0 05	0 02	0.02	0.02	0.5	0.5	0 01	0.1	0.02	0.1	0.1	0.1	0 1	0.001	0.1	0.1	0.1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
R 20106	60.9	4.1	2.3	5 65	0 688	0 27	0.02	0.73	0.02	< 0.02	2 76	221	454	1110	125	446	56.3	7.4	35.4	3.0	14.1	2 4	6.2	0.9
R 20107	58 5	1.5	1 1	6.73	0 293	0 31	< 0.02	0.22	0.03	0.03	0.47	71.8	300	438	78 6	281	36.6	5.1	24.5	2.4	11 5	2 1	5.3	0.7
R 20108	67 9	1.6	1.2	5 22	0 308	0 28	< 0.02	0 23	0 03	< 0 02	0 52	65.9	337	441	88 8	322	42.4	6.2	28.6	2.8	13 4	2 4	6.0	0.8
R 20109	78.4	2.5	1 5	20.0	0 360	0.55	< 0.02	0.26	0 05	< 0 02	0 45	61.7	332	733	89.0	320	42.2	6 2	30.0	2 9	14 6	2 6	7.0	1.0
R 20110	69.1	2.1	1.7	3.43	0 330	0 58	< 0.02	0.31	0.03	< 0 02	0.61	77.4	384	829	105	372	47.0	6 4	30 5	2.9	14 1	2 5	6.6	0.9
R 20111	49.1	1 8	1.6	2.73	0 456	0.54	< 0.02	0.32	0.03	< 0 02	0.55	87.6	276	428	83 1	216	28.0	4.0	19 5	2.0	9 72	1.8	4.5	0.6
R 20112	50.7	2 3	1.2	4.68	0.324	0.33	< 0.02	0 25	0 05	0.05	0 38	67 7	288	399	70 8	253	34.0	4.7	25.5	2 3	10.9	1 9	4 9	0.8
R 20113	48.7	1.6	1.5	5 41	0.281	0 32	< 0 02	0 36	0.06	< 0.02	0 37	51.1	255	327	58 2	200	24.8	3 5	17.4	1.7	8.07	1.5	3 9	0 5
R 20114	85.1	1 6	1 3	10.4	0 323	0.90	< 0.02	0.35	0 04	0.03	0 70	71.1	401	716	107	383	50.1	7.4	33.5	3.4	16.2	3.0	7 7	1.1
R 20115	43.7	2 5	1 9	6 97	0.092	0.03	< 0.02	0.60	0.05	< 0.02	0.72	63.8	175	353	57 7	218	31.2	4 7	20.5	2.1	10.3	1.8	4 7	0 7
R 20116	47.1	2.5	1.8	3.65	0 096	0 11	< 0.02	0.48	0.04	< 0 02	0.77	64.0	199	388	57 4	217	30.2	4 6	20.8	2.0	9 69	1.7	4 4	0 6
R 20117	26 2	3 5	0.9	6.53	0 441	0.21	0.02	1.07	0.04	< 0 02	1.49	172	186	261	43.1	150	18.2	2.7	11.9	1 1	5.07	0 9	2.3	0.3
R 20118	54.0	2.3	1.2	3.62	0 415	0.38	< 0 02	0.20	0.03	0.02	0.93	79 6	340	502	91 4	328	40 8	5.8	24.7	2 3	11.0	1.9	5.0	0 6
R 20119	44.6	1 7	1.1	4.79	0.249	0 41	< 0.02	0.21	0.02	< 0 02	0.52	57 3	287	431	73.3	261	32.7	4.8	20.6	1 9	9 17	1 6	4 0	0 5
R 20120	33.7	2.0	1.6	3.14	0.165	0 40	< 0.02	0.40	0.05	< 0 02	0.70	62.5	188	312	50 6	181	22.5	3.3	14.2	1 3	6 37	1 1	3 0	0.4
R 20121	87.3	2.9	2.3	7.02	0.391	1 09	< 0.02	0.38	0.04	< 0 02	0 83	76.2	434	570	111	393	50.6	7.5	33.4	3 3	16 7	3 1	8.0	1.1
R 20122	99.7	2.8	2.2	7.25	0.382	0 60	< 0.02	0.47	0 02	0 06	1.03	80.0	427	794	119	434	59.5	8.8	40.4	4 1	19.7	3 5	9.0	1.2
R 20123	50.8	1.9	1.6	3.92	0 373	0 56	< 0.02	0 48	0 09	0 15	0 88	84.8	273	536	65.6	232	29 7	4.5	20.9	2.0	9 77	1.8	4.4	0 6
R 20124	38 7	2.4	1.9	3 59	0.150	0.30	< 0.02	0 50	0 06	0.03	0.89	74.0	206	414	52.8	191	24.7	3 8	16.7	1.6	7 34	1.3	3.4	0.4
R 20125	36.1	2.2	2 0	3 19	0 140	0.71	< 0.02	0.35	0.04	< 0 02	0 71	71.5	248	371	67.8	248	31.7	4.4	18.4	1 6	7.39	1 3	3.4	0.5
R 20126	12.8	4 2	3 5	4.62	0.068	0.09	< 0.02	0.73	< 0.02	0.05	0.89	71 7	68.1	134	20 4	74.2	10.5	1.6	6 1	0.6	2.89	0.5	1.3	0.2
R 20127	32.0	2 0	2.0	4.13	0.170	0.39	< 0.02	0.58	0.07	0.03	0 65	54.4	217	407	58 9	212	27.5	3 9	16 5	1 5	7.13	1.2	3 0	0.4
R 20128	28.9	2 3	2 4	5.94	0.178	0.38	< 0.02	0.41	0.03	< 0 02	0.49	48.5	201	342	56 6	210	27.8	4.0	16.0	1 4	6.29	1 1	2 6	0.4
R 20129	3.67	2.5	3.2	2.92	0 002	0.04	< 0.02	0.50	< 0.02	0.07	0.53	28 8	21.9	48.6	5 1	18.0	2.8	0.5	1 9	0.2	1.04	0.2	0 5	< 0.1
R 20130	19.8	2.7	2.4	4.16	0 032	0.14	< 0 02	0.51	0.02	0.14	0.54	48.6	123	245	35.8	130	16.8	2.4	9 7	0 9	4.30	0 7	2 0	0 3

Analyte Symbol	Yb	Lu	Hf	Ta	W	Re	Au	Tl	Pb	Th	U	LOI
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	%
Detection Limit	0.1	0 1	0.1	0.05	0.1	0 001	0.5	0.02	0 01	0 1	0.1	
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	GRAV
R 20001	4 3	0 6	< 0.1	< 0.05	< 0 1	< 0.001	2 0	0.84	3.78	7.9	11.6	38.29
R 20002	1.9	0 3	0 1	< 0 05	< 0 1	0.002	3.7	0.19	9 04	2.8	6.0	41.92
R 20003	3.2	0 5	< 0.1	< 0 05	< 0.1	< 0.001	3 6	0.41	4 77	7 0	6.3	21.31
R 20004	1.3	0 2	< 0.1	< 0 05	< 0.1	< 0.001	1 7	0.24	5.72	14.7	6 2	6 70
R 20005	2 0	0 3	< 0.1	< 0.05	< 0 1	< 0 001	2.0	0 14	4.80	6 6	4 9	26 63
R 20006	3 0	0.4	< 0 1	< 0.05	0 1	< 0.001	2.2	0 21	7.05	14 3	7 8	9 96
R 20007	2 2	0 3	< 0.1	< 0.05	0.1	< 0.001	3.1	0.32	7 53	16.2	5.8	8.96
R 20008	1.2	0.2	< 0 1	< 0.05	0 1	< 0.001	< 0.5	0 17	3.93	9.2	1 7	7 07
R 20010	3.1	0.5	< 0 1	< 0.05	< 0 1	0 002	1.5	0.20	6 32	4 5	3 6	30.87
R 20011	3.1	0.5	< 0 1	< 0 05	0.1	0 005	0 7	0.56	5.92	11.1	6.9	17.44
R 20012	3.5	0 5	< 0.1	< 0 05	0 1	< 0.001	< 0 5	0.30	5.59	4 7	6.6	18.18
R 20013	3 4	0 5	< 0.1	< 0.05	< 0 1	0.004	2.0	0 47	5 31	5 3	6 2	26.41
R 20014	2.2	0.3	< 0.1	< 0.05	< 0 1	< 0.001	< 0.5	0 51	8.05	15 7	3 3	24 49
R 20015	2.3	0.3	< 0 1	< 0.05	< 0 1	0.005	2 0	0.39	5 44	9 1	5.3	31.93
R 20016	2.7	0.4	< 0.1	< 0.05	< 0.1	< 0.001	2.3	0.40	7 52	10 6	5 4	19.84
R 20017	1 6	0.2	< 0 1	< 0.05	< 0 1	0.001	< 0.5	0.19	5 12	5 4	2 8	16.23
R 20018	2.3	0 4	< 0.1	< 0.05	< 0 1	0.001	0 6	0.45	9.16	12 6	5.5	22.70
R 20019	2.2	0 3	< 0 1	< 0 05	< 0.1	0.003	0.7	0.29	7 10	14 6	3.7	11.82
R 20020	1.8	0 3	< 0.1	< 0 05	< 0.1	< 0 001	3.8	0.34	6 46	11.2	3.1	16 10
R 20021	0.8	0 1	< 0.1	< 0.05	0 1	< 0.001	1 5	0.17	5 05	8.4	1 7	3.48
R 20022	1 6	0 2	< 0.1	< 0 05	< 0 1	0.002	< 0 5	0.23	4.48	6.1	2 4	9.16
R 20023	1.0	0.1	< 0.1	< 0 05	< 0 1	< 0 001	2.5	0 17	4.70	4.6	1 3	12.62
R 20024	1.0	0.2	< 0 1	< 0 05	< 0 1	0.001	0.8	0 14	4.48	9.0	1 2	5 98
R 20025	1.9	0.3	< 0.1	< 0 05	< 0 1	0 001	< 0.5	0 24	5.10	9.1	2.2	15.11
R 20026	3.4	0.5	< 0.1	< 0 05	< 0.1	0 001	< 0.5	0 23	5.96	11 6	4 4	13 21
R 20027	3.6	0.5	< 0.1	< 0 05	< 0 1	< 0 001	< 0.5	0.55	5.98	13 1	4 2	19 51
R 20028	2.5	0.4	< 0.1	< 0.05	< 0 1	0.002	1 0	0.20	3 03	3 8	2 4	26.14
R 20029	2 4	0.3	< 0.1	< 0.05	< 0 1	0.005	< 0 5	0 15	5.63	3 5	2 8	25 46
R 20030	1.9	0.3	< 0.1	< 0.05	< 0.1	0 001	1 7	0 10	3.54	6.2	2 7	8.51
R 20031	2.8	0.4	< 0.1	< 0.05	< 0 1	< 0.001	< 0.5	0.18	3 81	5 2	4.1	24.18
R 20032	1.9	0 3	< 0 1	< 0.05	< 0 1	< 0.001	< 0 5	0 16	6.71	4 6	2.9	16.33
R 20033	3 1	0 5	< 0.1	< 0.05	< 0 1	0.001	2.7	0 20	3 94	5 2	4 7	21.01
R 20034	2.2	0 3	< 0.1	< 0.05	< 0.1	0.002	2.7	0 16	3.37	7 8	5 4	14.23
R 20035	2.3	0.3	< 0.1	< 0 05	< 0.1	0.003	< 0.5	0 31	3 54	7.8	4.8	28.45
R 20036	2.1	0.3	< 0.1	< 0 05	< 0 1	0 001	< 0.5	0.20	3.79	4.5	5.2	26.40
R 20037	4 1	0.6	< 0.1	< 0 05	< 0.1	< 0 001	2 1	0 16	3.48	2.7	7 0	38.01
R 20038	2.9	0 4	< 0.1	< 0.05	< 0 1	< 0 001	2 4	0 18	2 85	1 6	13 6	42.93
R 20039	2.5	0 4	< 0 1	< 0.05	< 0 1	< 0.001	< 0 5	0.22	5 56	8 2	8 6	14.62
R 20040	2.0	0.3	< 0 1	< 0.05	< 0.1	0.003	0 5	0.16	4 24	3 0	6.5	27.36
R 20041	2.4	0.3	< 0.1	< 0.05	< 0.1	< 0.001	0.8	0 23	3.44	2.8	8.1	29.08
R 20042	2 0	0.3	< 0.1	< 0 05	0.1	0.002	< 0.5	0 13	4.18	1.6	15 7	24 06
R 20043	2 4	0 3	< 0.1	< 0 05	0 1	0.001	2.8	0.17	5.79	3 1	15 2	34 97
R 20044	0 5	< 0.1	< 0.1	< 0 05	0 6	< 0.001	1 8	0.11	9 44	8 3	1.0	9.96
R 20045	2.3	0 3	< 0 1	< 0.05	< 0 1	0.004	0.5	0.18	3 78	2.7	8.2	30.18
R 20046	4.0	0 6	< 0.1	< 0 05	< 0.1	0.003	1.8	0 27	2 98	1.3	9.4	46 11
R 20047	2.9	0.4	< 0.1	< 0.05	< 0 1	0.006	1.0	0 27	5.48	2 7	30 1	39 46
R 20048	2.3	0.3	< 0.1	< 0 05	< 0.1	0.003	2.2	0 37	7 14	16 0	11 3	9.58
R 20049	3.8	0 5	< 0.1	< 0 05	< 0.1	0.006	2.4	0.33	5 22	9.6	29 9	35.97
R 20050	3.7	0.5	< 0 1	< 0 05	< 0 1	0.001	2 9	0.25	4 75	4 1	9.0	35.81
R 20051	2.2	0.3	< 0.1	< 0 05	< 0 1	0.002	1.2	0 31	4 22	4 4	5 5	33.04
R 20052	3.6	0 5	< 0 1	< 0 05	< 0.1	< 0.001	1.6	0 55	9 98	22 7	7.6	22.19
R 20053	3 9	0.6	< 0 1	< 0 05	< 0.1	0.002	2.7	0 37	4 82	7.8	6.8	27.61

Analyte Symbol	Yb	Lu	Hf	Ta	W	Re	Au	Tl	Pb	Th	U	LOI
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	%
Detection Limit	0.1	0 1	0 1	0 05	0.1	0 001	0.5	0.02	0 01	0 1	0 1	
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	GRAV
R 20054	3.8	0 6	< 0 1	< 0 05	< 0.1	< 0.001	4 0	0 55	4 88	11 0	7 9	23 41
R 20055	4.4	0.6	< 0 1	< 0 05	< 0.1	0.004	2.0	0.20	4.61	7 5	6 7	29 50
R 20056	5.2	0 8	< 0.1	< 0.05	< 0.1	0.003	< 0 5	0.29	4 95	3 8	8 6	31 62
R 20057	3.3	0.5	< 0.1	< 0.05	< 0.1	0.006	1.8	0.11	4 28	5.3	6.2	12 58
R 20058	3.1	0 5	< 0 1	< 0.05	< 0 1	0.001	1.3	0.35	6.22	13.2	4 8	10 70
R 20059	3.7	0.5	< 0.1	< 0.05	< 0 1	0 003	2.1	0.30	5 94	6.9	3.9	26.61
R 20060	2 1	0 3	< 0 1	< 0.05	< 0.1	0.001	< 0.5	0.20	3 23	6 1	1.9	22.55
R 20061	2.3	0 3	< 0 1	< 0 05	< 0.1	< 0.001	< 0 5	0.18	5 17	8 5	3.0	7.43
R 20062	2.3	0 3	< 0 1	< 0 05	< 0.1	0 002	1 7	0.22	5.76	5.6	3.0	18 81
R 20063	3.1	0 4	< 0.1	< 0.05	< 0.1	0 003	1.7	0.17	4 12	5.3	3.3	26 77
R 20064	2.0	0 3	< 0.1	< 0.05	< 0 1	0.002	< 0.5	0 14	4 86	4.2	2.7	18 05
R 20065	3.3	0 5	< 0 1	< 0.05	< 0 1	0.002	1.1	0 44	4 18	2.9	16.0	21 25
R 20066	2.7	0.4	< 0.1	< 0.05	< 0 1	0.001	1.2	0 25	6.10	9.0	3.2	9 15
R 20067	1.4	0.2	< 0.1	< 0 05	< 0 1	0.001	< 0 5	0 22	4 68	8.4	1.3	5.24
R 20068	4.8	0 7	< 0.1	< 0.05	< 0 1	0.006	1 6	0 79	5 20	6.9	8.0	31 27
R 20069	2 3	0.3	< 0.1	< 0 05	< 0.1	0 002	< 0 5	0 30	6 26	9 3	2 5	15.27
R 20070	3.1	0.4	< 0 1	< 0.05	< 0.1	0.004	< 0.5	0 63	6.40	11.6	4 5	18.72
R 20071	1.9	0 3	< 0 1	< 0 05	< 0.1	0 006	< 0 5	0 35	6 71	11.0	2.1	15 28
R 20072	0 5	< 0 1	< 0 1	< 0 05	3.2	< 0 001	< 0.5	0 11	9.91	11.9	1 1	10 18
R 20073	4.1	0.6	< 0.1	< 0 05	< 0.1	0.003	1.9	0.10	4 49	3 6	5.8	18 31
R 20074	2.9	0 4	< 0.1	< 0 05	< 0 1	0 001	< 0.5	0.09	3 98	4.2	4 5	12 92
R 20075	3.8	0 5	< 0.1	< 0 05	< 0 1	0 004	2.5	0.22	5.35	2 8	6.1	27 30
R 20076	2.9	0.4	< 0.1	< 0 05	< 0 1	0.003	0 8	0 22	4 07	1 6	6.8	28.87
R 20077	3.4	0 5	< 0.1	< 0 05	< 0 1	0 008	0.7	0.19	5 44	2 9	9.8	38 44
R 20078	3.5	0 6	< 0.1	< 0 05	< 0 1	0.005	3.1	0.62	11 8	31 9	8.1	25.21
R 20079	2.5	0 4	< 0 1	< 0 05	< 0 1	0 001	0.9	0.41	8.02	19.1	4 5	19 49
R 20080	2.8	0 4	< 0 1	< 0 05	< 0 1	0.003	< 0 5	0 35	4.13	9 3	5 2	32 57
R 20081	2 4	0 4	< 0 1	< 0 05	< 0.1	0 003	< 0.5	0.26	7 78	9.1	5.2	24.44
R 20082	4.2	0 6	< 0.1	< 0.05	< 0 1	0.001	2.3	0 24	4.41	4 0	13.4	31.01
R 20083	2.0	0 3	< 0 1	< 0 05	< 0 1	0 001	2 0	0 18	3 13	4 5	17.2	31 99
R 20084	1.9	0 3	< 0 1	< 0.05	< 0 1	< 0.001	< 0 5	0 15	4 37	1 6	4 8	27.24
R 20085	2.6	0 4	< 0.1	< 0.05	< 0 1	0.001	< 0 5	0 17	7.67	4.3	9 2	23 50
R 20086	1.6	0 2	< 0 1	< 0 05	< 0 1	0.002	1.6	0 37	5.01	1.4	9 9	14 92
R 20087	4.2	0 6	< 0 1	< 0 05	< 0.1	0.008	3.9	0 30	4.05	6.0	34.7	37 98
R 20088	0.5	< 0 1	< 0.1	< 0.05	0 1	< 0 001	0.9	0.08	5 60	10.8	0.9	4.27
R 20089	2.0	0 3	< 0 1	< 0.05	< 0.1	0.004	< 0.5	0 20	6 78	2.5	9.2	31 98
R 20090	2.5	0 4	< 0 1	< 0.05	< 0 1	0.002	1 1	0 38	4.67	6.0	21.2	22.18
R 20091	2 8	0 4	< 0.1	< 0 05	< 0.1	0 007	0 6	0 20	5.37	4 9	17 1	32 59
R 20092	3 4	0.5	< 0.1	< 0.05	< 0 1	0 004	< 0.5	0.28	6 50	7.6	30.6	26 65
R 20093	3.0	0.4	< 0 1	< 0 05	< 0.1	0.004	0.9	0 24	4 57	4 4	38 7	34.93
R 20094	3 2	0 5	< 0 1	< 0 05	< 0 1	0 007	0.6	0.20	4 64	4.8	10 7	33.26
R 20095	4.0	0 6	< 0 1	< 0.05	< 0 1	0.002	1.9	0 54	5.63	3.1	13.8	29 15
R 20096	1.5	0.2	< 0.1	< 0 05	< 0.1	0 001	< 0 5	0 40	9.05	23.5	10.1	4 62
R 20097	3 2	0 4	< 0 1	< 0.05	< 0.1	< 0.001	< 0 5	0.14	3.63	2.8	10.9	36.46
R 20098	2.8	0 4	< 0.1	< 0 05	< 0 1	0.004	1.2	0 11	4 32	3.3	7 5	34 81
R 20099	1.8	0.3	< 0 1	< 0 05	< 0.1	< 0.001	1.3	0 42	8.70	17.4	4.7	24.73
R 20100	3 1	0 5	< 0.1	< 0.05	< 0 1	0.001	< 0.5	0.21	5 96	9.6	5 4	26 72
R 20101	2 0	0 3	< 0 1	< 0 05	< 0 1	0.002	1.6	0.50	9.49	22 6	4.4	17 70
R 20102	2.6	0 4	< 0.1	< 0 05	< 0 1	0.002	2.2	0 44	7 80	21 9	5 8	27.05
R 20103	3.7	0.5	< 0.1	< 0.05	< 0 1	0.006	< 0.5	0 25	5 92	12 1	13 7	21.40
R 20104	3.4	0.5	< 0.1	< 0.05	< 0 1	0.004	< 0.5	0.22	3 18	4.2	8.2	41.51
R 20105	3 6	0 5	< 0.1	< 0 05	< 0.1	0 003	< 0.5	0 24	4 98	5 0	8 9	25.84

Analyte Symbol	Yb	Lu	Hf	Ta	W	Re	Au	Tl	Pb	Th	U	LOI
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	%
Detection Limit	0.1	0.1	0 1	0.05	0 1	0 001	0.5	0.02	0.01	0.1	0.1	
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	GRAV
R 20106	5.2	0 8	< 0.1	< 0 05	< 0 1	0.007	1 0	0 74	14 4	38.4	16.6	16.98
R 20107	4.0	0 6	< 0 1	< 0.05	< 0 1	0.003	2 5	0 16	3 28	4 9	7.3	34 03
R 20108	4.5	0.7	< 0 1	< 0.05	< 0.1	0 003	0 9	0.16	3 11	3 2	5.2	37.27
R 20109	6.9	0 9	< 0.1	< 0 05	< 0.1	0 001	1.9	0 39	5 64	4 7	7 4	30.37
R 20110	5.6	0 8	< 0.1	< 0 05	< 0 1	0 006	4 0	0 21	5 43	5 4	8.1	28.07
R 20111	3.4	0 5	< 0.1	< 0 05	< 0 1	0 001	2.6	0 36	4.70	3 4	4.5	32 69
R 20112	3.7	0 5	< 0 1	< 0 05	< 0.1	0 002	1.7	0.14	5 84	6 5	3 6	36.39
R 20113	3.1	0.5	< 0.1	< 0.05	< 0 1	0.002	< 0.5	0 29	5 11	2 3	4 2	37.30
R 20114	6 2	0 9	< 0.1	< 0.05	< 0 1	0.008	< 0 5	0 45	5.15	3 3	12.3	50 07
R 20115	3.9	0.6	< 0.1	< 0 05	< 0.1	0 002	1.5	0 15	5 18	4 9	7.5	14.20
R 20116	3 6	0.5	< 0 1	< 0.05	< 0 1	0 003	1.0	0.12	5 01	5 7	5 5	46 43
R 20117	1.9	0 3	< 0.1	< 0.05	0 1	0.002	< 0.5	0 42	9 02	19 7	6 8	35.05
R 20118	3.6	0 5	< 0.1	< 0.05	< 0 1	0 004	1 0	0 28	4 56	5.4	11 8	8.60
R 20119	3.1	0 4	< 0.1	< 0 05	< 0 1	< 0 001	< 0.5	0.09	3 36	3 3	7 8	28.54
R 20120	2 4	0.4	< 0.1	< 0.05	< 0 1	< 0 001	< 0.5	0.15	5 96	3.4	4 7	19.96
R 20121	6 3	0 9	< 0.1	< 0.05	< 0.1	0.002	< 0.5	0.25	8 15	5 8	9 6	38.27
R 20122	7.4	1.1	< 0.1	< 0 05	< 0.1	0.008	1.8	0 24	6 07	8.3	10 3	25.54
R 20123	3 5	0.5	< 0 1	< 0 05	< 0.1	0 004	< 0.5	0 31	7.80	3.8	6 6	32.50
R 20124	2 6	0.4	< 0 1	< 0 05	< 0 1	0 003	0.9	0.19	6.88	5 0	5 2	18 95
R 20125	2.9	0.4	< 0 1	< 0 05	< 0 1	0 006	< 0 5	0.21	4.50	5 2	10.4	27 69
R 20126	1 1	0.2	< 0 1	< 0 05	0.1	0.002	< 0.5	0.19	4.37	14 3	5.5	3 15
R 20127	2 5	0 3	< 0 1	< 0 05	< 0.1	0.002	< 0.5	0.13	4.53	7 1	11 1	17 71
R 20128	2 2	0 3	< 0 1	< 0 05	< 0.1	0.002	< 0 5	0.11	3.98	5 3	8.0	28.34
R 20129	0.4	< 0 1	< 0 1	< 0 05	0 3	0.004	< 0 5	0.07	4.31	7 4	0 7	2.92
R 20130	1.7	0 2	< 0 1	< 0 05	< 0 1	0.005	< 0.5	0.21	3 83	8 2	5 5	9.45

Quality Control

Analyte Symbol	Li	Be	B	Na	Mg	Al	K	Bi	Ca	Sc	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Rb	Sr
Unit Symbol	ppm	ppm	ppm	%	%	%	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.1	0.1	1	0.001	0 01	0 01	0 01	0.02	0 01	0 1	1	0 5	1	0.01	0.1	0.1	0 01	0 1	0 02	0.1	0.1	0.1	0.1	0 5
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
GXR-1 Meas	4.4	0 8	11	0 027	0 12	0 30	0 03	1590	0.73	1.5	66	6.6	693	22 5	7.2	37.5	1010	723	3 86		390	16 7	2.3	165
GXR-1 Cert	8.20	1.22	15.0	0.0520	0.217	3 52	0.0500	1380	0.960	1.58	80.0	12 0	852	23.6	8 20	41.0	1110	760	13.8		427	16 6	14.0	275
GXR-4 Meas	8 5	1 4	4	0 105	1 43	2 41	1 54	19 8	0.75	6.4	74	52.8	114	2.83	13.7	40.1	6080	73.3	10 2		92.1	5 3	96 7	68.5
GXR-4 Cert	11 1	1.90	4.50	0 564	1 66	7 20	4.01	19 0	1 01	7.70	87.0	64 0	155	3.09	14.6	42.0	6520	73 0	20 0		98.0	5.60	160	221
LKSD-1 Meas																								
LKSD-1 Cert																								
GXR-5 Meas	23 8	0 9	4	0.049	0.37	6.72	1.10	0 21	0 13	23 8	170	78 5	877	5.57	14.4	26.9	89 1	120	16 4		238	0.2	68 3	28 7
GXR-5 Cert	32 0	1.40	9 80	0.104	0 609	17 7	1.87	0 290	0.180	27 8	186	98 0	1010	5.58	13.8	27.0	86.0	118	35 0		330	0 940	90 0	35 0
LKSD-3 Meas																								
LKSD-3 Cert																								
OREAS 13b (4-Acid) Meas															50.1	2420	2310				49.8			
OREAS 13b (4-Acid) Cert															75	2247	2327				57			
R 20014 Orig	25.6	0.5	3	0.032	0 82	2 35	0 46	0.05	0.30	3 8	44	23.6	300	2.52	15.7	24.6	82 4	151	7.31	0.4	0.1	2.0	66.2	25.1
R 20014 Dup	27.0	0.7	4	0 045	0.91	2.68	0.52	0.04	0.36	4.7	48	25 4	340	2.90	17 5	27.0	86 4	163	8 34	0.5	0 6	1.5	72 9	31 0
R 20028 Orig	7.8	0.3	4	0.018	0 25	1 22	0.16	< 0.02	0.28	1.3	25	17 2	101	1 51	5.2	13.2	58 5	88.6	2.76	0.4	1.2	1 4	15 9	18.6
R 20028 Dup	7.8	0 4	5	0.026	0 28	1.32	0 16	0 02	0.29	1.4	26	17 3	110	1 56	5.3	13.5	59.0	86.1	2.96	0.3	0 3	1 1	16 0	21.0
R 20031 Orig																								
R 20031 Dup																								
R 20041 Orig	6.1	0 6	8	0 029	0 25	1 57	0.11	0.04	0 29	1 6	28	28.8	117	2 83	8.6	14.3	102	95.5	2.76	0.4	1 6	1 8	9.6	21 9
R 20041 Dup	6 2	0 4	8	0 031	0 25	1 67	0 11	0 04	0 30	1.5	25	28.2	123	3 00	8 9	14.2	102	97 1	2.76	0.3	< 0 1	1 5	9 7	21 9
R 20055 Orig	6 5	0.9	5	0.015	0 25	1.81	0.11	0 03	0 23	1.9	31	24.9	114	4.87	8 1	11 2	97.6	97 3	3.03	0.6	0 9	2.1	11.3	17.7
R 20055 Dup	6 0	0 9	5	0 018	0 25	1.89	0.11	0.03	0.24	2.0	29	25.2	119	4 92	7.9	11 2	89.1	87.2	3 05	0.6	1 2	2.6	10 8	18 4
R 20060 Orig																								
R 20060 Dup																								
R 20078 Orig	35 0	0 8	7	0 062	1 21	3.09	0.81	0 04	0 42	5.0	53	28 0	359	3 08	16.0	27 4	129	165	10 4	0.6	0 9	1 3	103	43 4
R 20078 Dup	35 7	0 8	6	0 067	1 23	2.94	0.77	0 04	0 41	5.2	57	26.4	347	2 99	15.9	28 0	134	172	10 4	0 6	0 8	1 1	104	44 9
R 20089 Orig																								
R 20089 Dup																								
R 20092 Orig	11.6	0.5	3	0 028	0.43	1 90	0 22	0 11	0 31	2.5	29	22.2	147	2 04	7 3	16 8	129	120	4 08	0.4	1 3	2.3	23.7	25.8
R 20092 Dup	11.7	0 6	5	0 027	0.42	1 78	0.21	0 12	0.29	2.4	31	22.2	142	1.95	7.2	15.7	127	118	4 15	0 5	1 4	1 4	23.5	25 8
R 20105 Orig	11.2	0 7	4	0 023	0.45	2 13	0.21	0 05	0 35	2.0	40	20.4	201	2 57	12 2	14 1	101	81.7	4 52	0.6	1.4	3 2	21 4	26.2
R 20105 Dup	10.0	0 5	3	0.023	0.45	2 19	0.20	0 05	0 32	1.8	35	20.6	202	2 54	11.8	13.2	95 1	78.6	4 39	0.6	1 0	2.2	20 0	25 3
R 20118 Orig																								
R 20118 Dup																								
R 20119 Orig	6 1	0 6	3	0 025	0 20	1.87	0.09	0 02	0 29	1 2	19	14.5	77	1 04	4.0	11.7	62.1	45.2	2 49	0 5	1 9	2.2	10 7	20 9
R 20119 Dup	6.0	0.6	3	0 028	0.22	2.09	0.10	0 03	0 31	1 1	16	16 2	84	1.13	4.3	12 4	61 8	45.8	2 63	0 5	1 6	2.5	11 1	20 9
Method Blank Method Blank	< 0.1	< 0.1	< 1	< 0.001	< 0 01	< 0.01	< 0.01	< 0.02	< 0.01	< 0 1	< 1	< 0.5	< 1	< 0 01	< 0.1	< 0.1	< 0.01	< 0.1	< 0 02	< 0 1	< 0 1	< 0 1	< 0.1	< 0.5
Method Blank Method Blank	< 0 1	< 0.1	< 1	< 0 001	< 0.01	< 0.01	< 0.01	< 0 02	< 0 01	< 0 1	< 1	< 0.5	< 1	< 0 01	< 0.1	< 0.1	< 0.01	< 0.1	< 0 02	< 0 1	< 0 1	< 0 1	< 0 1	< 0 5

Quality Control

Analyte Symbol	Y	Zr	Nb	Mo	Ag	Cd	In	Sn	Sb	Te	Cs	Ba	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	0.01	0 1	0.1	0 01	0.002	0.01	0.02	0.05	0.02	0.02	0.02	0.5	0.5	0 01	0.1	0.02	0.1	0.1	0 1	0.1	0 001	0.1	0.1	0.1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
GXR-1 Meas	25.7	17 2	0,5	17 9	29.3	2.41	0.70	23 2	87.6	14.0	2 85	267	4 3	11.0		6 31	2 3	0.5	3 6	0 7	4 40			0 3
GXR-1 Cert	32.0	38 0	0.800	18 0	31 0	3.30	0.770	54 0	122	13.0	3 00	750	7.50	17.0		18 0	2 70	0.690	4.20	0 630	4 30			0.430
GXR-4 Meas	11.4	10 5	0.3	306	3.40	0.11	0.20	5.54	3.37	0.92	2.49	31 7	51.6	99.2		38.2	5.9	1 3	4 6	0 5	2 55			0 1
GXR-4 Cert	14.0	186	10.0	310	4.00	0 860	0.270	5.60	4 80	0.970	2 80	1840	64 5	102		45.0	6 60	1.63	5 25	0 360	2 60			0 210
LKSD-1 Meas																								
LKSD-1 Cert																								
GXR-6 Meas	6.78	17.8	0 2	1 60	0 312	0.10	0.06	1.08	1.92	0.10	3.63	886	12 3	36 2		12.3	2.5	0 6	2 2	0.3	1.61			0.1
GXR-6 Cert	14 0	110	7.50	2 40	1.30	1.00	0.260	1.70	3.60	0.0180	4.20	1300	13 9	36 0		13.0	2.87	0.760	2.97	0.415	2.80			0 0320
LKSD-3 Meas																								
LKSD-3 Cert																								
OREAS 13b (4-Acid) Meas				8 57	0 858																			
OREAS 13b (4-Acid) Cert				9.0	0.86																			
R 20014 Orig	32.0	3 1	2.3	1 31	0.497	0 29	0.02	0 57	0.04	< 0.02	1.71	185	229	295	56.7	194	24 5	3 2	14.5	1 4	6 90	1.2	3 0	0.4
R 20014 Dup	34.6	3.6	2.8	1.61	0.521	0.29	< 0.02	0.61	0.03	< 0 02	1 90	207	240	307	59.4	205	26.2	3 6	15.7	1 5	7 25	1.2	3.0	0 4
R 20028 Orig	37.8	1.6	1.4	3 21	0.205	0 36	< 0.02	0 23	0 03	< 0 02	0 36	68 1	209	272	49.1	170	22.1	3.0	14 2	1 4	7.11	1.3	3.3	0.4
R 20028 Dup	39.2	1.8	1.6	3.24	0 219	0.33	< 0.02	0.29	0.03	< 0 02	0 38	71.5	214	282	51.9	181	23.5	3.3	15.0	1.5	7.40	1.3	3 4	0 5
R 20031 Orig																								
R 20031 Dup																								
R 20041 Orig	34.2	1.6	1.7	3.71	0 258	0.36	< 0 02	0 34	0 04	< 0 02	0.52	48 9	188	331	47 5	167	22.4	3.5	13 5	1 3	6 63	1.2	3 0	0.4
R 20041 Dup	34.8	1.9	1.9	3.87	0.238	0.31	< 0 02	0.33	0 04	< 0.02	0.51	49 9	185	324	46 6	167	22 8	3.4	13.8	1 3	6.52	1.1	2.9	0.4
R 20055 Orig	67.2	2.7	2 3	8.68	0.326	0 46	< 0.02	0.38	< 0 02	< 0 02	0 48	68 7	339	532	90.8	328	45 1	6.4	28 6	2.8	13.6	2 5	6.3	0 8
R 20055 Dup	63 6	2.6	2 4	8.51	0.272	0 31	< 0.02	0.35	< 0 02	< 0 02	0.47	66.1	316	498	84.7	311	43 3	6.2	28.1	2.7	12.8	2 3	5.9	0 8
R 20060 Orig																								
R 20060 Dup																								
R 20078 Orig	47.9	7.0	3.2	2 38	0.444	0.38	< 0.02	0.68	0.03	0.05	3 26	244	309	390	86 0	312	42.1	5 8	23.9	2 1	9 58	1.7	4 4	0 6
R 20078 Dup	48.8	7.8	3 2	2 26	0 430	0.40	< 0.02	0.74	0.04	0.03	3.34	179	325	411	89 9	324	42 6	5.9	24.6	2 2	10 0	1.7	4 7	0.6
R 20089 Orig																								
R 20089 Dup																								
R 20092 Orig	45.7	2.6	1 9	5 33	0 278	0 54	< 0 02	0.38	0.05	0.08	1 69	99 6	258	405	71 9	263	35.9	4 9	22.5	2 1	9 49	1.6	4 2	0 6
R 20092 Dup	45.2	2 8	1 9	5 29	0 265	0.51	< 0.02	0.32	0.05	< 0.02	1 69	98 4	259	409	72 3	262	35.8	4.8	21.5	2 0	9 26	1.6	4 2	0 6
R 20105 Orig	48.2	2.3	1.8	4.50	0.302	0 43	< 0.02	0 42	0.04	< 0.02	0.95	118	270	651	74.1	274	37 0	5 8	24 6	2 3	10.5	1 8	4 7	0 6
R 20105 Dup	46.5	2 3	1 9	4.56	0 308	0.39	< 0 02	0 40	0.03	0.09	0.90	117	257	581	71 3	263	35.7	5.6	23 8	2 2	10 0	1 7	4 3	0 6
R 20118 Orig																								
R 20118 Dup																								
R 20119 Orig	43 5	1.7	1.0	4 68	0 206	0 42	< 0.02	0.18	0 02	0.05	0.51	56.3	284	426	72 2	255	31 9	4.7	20.3	1 9	9.10	1.6	4 1	0.5
R 20119 Dup	45.6	1.7	1.1	4.89	0 292	0.40	< 0.02	0.24	0.02	< 0.02	0.53	58 4	289	436	74 5	267	33 6	4 9	20 9	2.0	9.23	1.6	4 0	0 5
Method Blank Method Blank	< 0.01	< 0 1	< 0 1	< 0 01	< 0.002	< 0 01	< 0 02	< 0 05	< 0 02	< 0 02	< 0.02	< 0 5	< 0.5	< 0 01	< 0.1	< 0.02	< 0.1	< 0.1	< 0 1	< 0.1	< 0.001	< 0.1	< 0.1	< 0.1
Method Blank Method Blank	< 0.01	< 0 1	< 0 1	< 0 01	< 0.002	< 0.01	< 0.02	< 0.05	< 0 02	< 0 02	< 0 02	< 0.5	< 0 5	< 0.01	< 0 1	< 0 02	< 0.1	< 0 1	< 0.1	< 0.1	< 0.001	< 0 1	< 0 1	< 0 1

Quality Control

Analyte Symbol	Yb	Lu	Hf	Ta	W	Re	Au	Tl	Pb	Th	U	LOI
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	%
Detection Limit	0.1	0.1	0.1	0.05	0.1	0.001	0.5	0.02	0.01	0.1	0.1	
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	GRAV
GXR-1 Meas	2.0	0.3	< 0.1	< 0.05	161		3360	0.34	743		30.0	
GXR-1 Cert	1.90	0.280	0.960	0.175	164		3300	0.390	730		34.9	
GXR-4 Meas	0.8	0.1	0.2	< 0.05	12.4		471	2.71	49.8	22.8	4.5	
GXR-4 Cert	1.60	0.170	6.30	0.790	30.8		470	3.20	52.0	22.5	6.20	
LKSD-1 Meas												23.31
LKSD-1 Cert												23.5
GXR-6 Meas	0.7	< 0.1	< 0.1	< 0.05	< 0.1		49.6	1.79	99.4	6.8	3.1	
GXR-6 Cert	2.40	0.330	4.30	0.485	1.90		95.0	2.20	101	5.30	1.54	
LKSD-3 Meas												11.83
LKSD-3 Cert												11.8
OREAS 13b (4-Acid) Meas												
OREAS 13b (4-Acid) Cert												
R 20014 Orig	2.1	0.3	< 0.1	< 0.05	< 0.1	< 0.001	2.4	0.49	7.92	14.5	3.2	
R 20014 Dup	2.2	0.3	< 0.1	< 0.05	< 0.1	< 0.001	< 0.5	0.52	8.18	16.9	3.3	
R 20028 Orig	2.4	0.4	< 0.1	< 0.05	< 0.1	0.002	0.9	0.19	3.05	3.8	2.3	
R 20028 Dup	2.7	0.4	< 0.1	< 0.05	< 0.1	0.001	1.0	0.20	3.00	3.7	2.5	
R 20031 Orig												24.18
R 20031 Dup												24.18
R 20041 Orig	2.5	0.3	< 0.1	< 0.05	< 0.1	0.001	1.1	0.23	3.52	3.0	8.3	
R 20041 Dup	2.3	0.3	< 0.1	< 0.05	< 0.1	< 0.001	0.6	0.24	3.36	2.7	7.9	
R 20055 Orig	4.5	0.6	< 0.1	< 0.05	< 0.1	0.003	1.6	0.20	4.84	7.6	6.9	
R 20055 Dup	4.2	0.6	< 0.1	< 0.05	< 0.1	0.006	2.3	0.19	4.38	7.5	6.5	
R 20060 Orig												22.55
R 20060 Dup												22.55
R 20078 Orig	3.4	0.5	< 0.1	< 0.05	< 0.1	0.005	2.2	0.61	11.6	29.3	7.9	
R 20078 Dup	3.7	0.6	< 0.1	< 0.05	0.1	0.005	3.9	0.64	11.9	34.6	8.3	
R 20089 Orig												31.98
R 20089 Dup												31.98
R 20092 Orig	3.4	0.5	< 0.1	< 0.05	< 0.1	0.004	< 0.5	0.28	6.51	7.7	30.6	
R 20092 Dup	3.4	0.5	< 0.1	< 0.05	< 0.1	0.005	1.1	0.27	6.49	7.5	30.6	
R 20105 Orig	3.7	0.5	< 0.1	< 0.05	< 0.1	0.001	0.9	0.25	5.05	5.0	7.1	
R 20105 Dup	3.5	0.5	< 0.1	< 0.05	< 0.1	0.004	< 0.5	0.23	4.91	4.9	6.7	
R 20118 Orig												8.60
R 20118 Dup												8.60
R 20119 Orig	3.1	0.4	< 0.1	< 0.05	< 0.1	0.005	< 0.5	0.09	3.25	3.5	7.8	
R 20119 Dup	3.1	0.4	< 0.1	< 0.05	< 0.1	< 0.001	< 0.5	0.08	3.48	3.0	7.8	
Method Blank Method Blank	< 0.1	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 0.5	< 0.02	< 0.01	< 0.1	< 0.1	
Method Blank Method Blank	< 0.1	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 0.5	< 0.02	< 0.01	< 0.1	< 0.1	

Quality Analysis ... **Actlabs** *Innovative Technologies*

Date Submitted: 17-Sep-10
Invoice No.: A10-6093 (i)
Invoice Date: 22-Oct-10
Your Reference: 30222-2-Azimut

Techni-Lab Abitibi Inc.(Actlabs)
184 Rue Principale
Ste-Germaine-Boule Quebec J0Z 1M0
Canada

ATTN: Andre Caouette

CERTIFICATE OF ANALYSIS

144 Pulp samples were submitted for analysis.

The following analytical packages were requested: Code 4F-LOI LOI
Code UT-1-0.5g Aqua Regia ICP/MS

REPORT **A10-6093 (i)**

Notes:
Assays are recommended for values >10,000 for Cu and Au.

CERTIFIED BY :

Emmanuel Eseme , Ph.D.
Quality Control

ISO/IEC 17025
SCC Accredited
LAB 266
LAB 266
Accrédité CCN

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Activation Laboratories Ltd. Report: A10-6093 (i)

Analyte Symbol	Li	Be	B	Na	Mg	Al	K	Bi	Ca	Sc	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Rb	Sr
Unit Symbol	ppm	ppm	ppm	%	%	%	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.1	0.1	1	0.001	0.01	0.01	0.01	0.02	0.01	0.1	1	0.5	1	0.01	0.1	0.1	0.01	0.1	0.02	0.1	0.1	0.1	0.1	0.5
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
R 20131	4.7	0.5	9	0.054	0.17	2.02	0.09	0.02	0.39	0.6	18	13.8	60	0.94	3.8	12.1	104	40.8	2.10	0.5	1.9	2.7	8.0	25.5
R 20132	8.1	0.3	4	0.054	0.34	1.46	0.16	0.03	0.38	1.6	26	32.5	133	1.83	5.4	12.1	42.9	66.5	3.23	0.3	1.8	1.8	13.2	29.5
R 20133	15.6	0.5	3	0.060	0.64	1.70	0.27	0.05	0.44	3.6	35	33.8	235	2.42	8.6	14.9	48.3	98.8	5.27	0.5	1.2	1.2	25.1	36.7
R 20134	4.7	0.5	3	0.063	0.18	1.90	0.08	0.07	0.36	1.4	19	15.7	80	2.27	5.7	13.1	86.0	104	2.50	0.3	1.3	2.7	7.6	29.2
R 20135	8.5	0.5	5	0.059	0.28	2.06	0.15	0.08	0.24	2.6	30	20.3	190	5.67	16.5	13.9	101	97.6	3.15	0.4	1.7	2.4	16.1	19.5
R 20136	24.1	0.8	3	0.066	0.88	2.30	0.51	0.08	0.41	4.6	49	35.8	459	3.64	19.6	23.7	96.4	122	7.88	0.3	1.0	0.9	54.8	42.3
R 20137	8.0	0.5	3	0.047	0.32	1.22	0.13	0.04	0.30	1.7	23	35.1	129	1.34	5.8	12.2	88.1	73.2	3.37	0.4	0.9	1.4	12.4	29.5
R 20138	19.1	0.5	2	0.056	0.53	1.47	0.21	0.05	0.37	3.5	40	33.2	305	3.01	10.0	13.2	36.2	93.1	5.22	0.4	1.8	0.8	22.2	44.3
R 20139	10.8	0.4	7	0.051	0.37	1.42	0.16	0.02	0.44	2.1	29	22.7	137	1.68	6.0	13.5	58.2	77.9	3.71	0.4	1.3	2.1	15.7	61.7
R 20140	13.7	0.3	3	0.101	0.46	1.37	0.21	0.03	0.38	2.6	25	43.4	159	1.65	7.3	15.4	65.0	74.8	4.27	0.5	1.5	2.0	22.1	33.5
R 20141	8.2	0.7	3	0.049	0.28	1.76	0.11	0.02	0.30	1.2	16	12.1	91	0.87	4.8	11.7	85.3	46.8	3.01	0.6	0.6	2.4	14.6	23.3
R 20142	13.1	0.8	4	0.056	0.44	1.71	0.20	0.05	0.28	2.5	30	36.3	156	1.45	7.4	14.3	90.5	86.6	4.57	0.6	1.5	2.3	26.0	27.2
R 20143	18.0	0.9	4	0.053	0.56	2.21	0.25	0.05	0.29	2.9	36	21.0	203	1.67	9.3	17.6	94.3	99.3	5.44	0.8	1.5	3.0	36.5	25.3
R 20144	11.5	0.3	3	0.057	0.50	1.28	0.22	0.03	0.33	2.5	34	23.5	194	2.06	7.6	12.2	34.2	97.1	4.38	0.3	1.1	1.5	19.8	27.0
R 20145	16.0	0.3	2	0.059	0.64	1.47	0.29	0.04	0.39	3.8	46	33.4	263	2.43	9.2	14.4	37.2	80.8	5.71	0.3	1.4	0.9	27.3	36.2
R 20146	13.0	0.4	2	0.053	0.65	1.13	0.25	0.03	0.34	3.5	46	22.7	293	3.53	8.5	13.5	49.9	93.2	4.54	0.3	1.3	1.4	22.8	27.6
R 20147	11.5	0.5	4	0.057	0.46	1.94	0.22	0.04	0.33	2.5	32	28.6	215	2.86	9.6	15.2	85.4	102	4.32	0.4	0.4	2.3	19.1	26.9
R 20148	13.6	0.5	6	0.058	0.51	1.76	0.23	0.05	0.33	2.7	34	32.9	185	1.64	7.4	14.1	82.1	86.6	4.74	0.6	2.0	1.7	24.8	30.3
R 20149	33.8	0.8	4	0.087	1.10	2.65	0.62	0.06	0.58	5.6	67	31.8	355	3.05	17.8	38.8	189	181	9.69	0.6	0.5	3.8	70.7	55.4
R 20150	31.2	0.7	6	0.077	0.89	2.71	0.50	0.08	0.28	4.2	42	24.8	314	3.68	15.3	30.8	112	134	8.07	0.6	1.7	2.8	80.1	27.1
R 20151	25.8	0.5	5	0.074	0.89	2.14	0.42	0.06	0.36	4.2	43	24.4	287	3.83	13.8	23.3	71.1	120	7.41	0.4	0.4	1.8	59.5	32.7
R 20152	14.4	0.4	4	0.073	0.56	1.51	0.24	0.04	0.43	3.0	29	30.6	168	1.90	8.5	18.8	54.4	90.3	4.67	0.3	2.6	1.7	24.5	32.8
R 20153	8.2	0.6	8	0.056	0.35	1.68	0.14	0.03	0.33	1.9	28	17.2	140	2.16	6.9	18.5	97.3	108	3.37	0.4	1.6	2.3	14.1	22.9
R 20154	24.0	0.9	5	0.070	0.79	2.11	0.37	0.05	0.34	4.2	50	26.1	326	2.84	12.1	28.6	150	147	6.95	0.4	0.7	1.7	50.8	30.4
R 20155	9.4	0.9	4	0.054	0.30	1.78	0.17	0.04	0.29	1.6	24	17.4	110	1.65	6.4	22.2	141	72.2	3.28	0.7	1.5	2.3	20.3	19.1
R 20156	28.3	0.9	4	0.064	0.98	2.85	0.50	0.08	0.33	5.3	61	38.9	295	3.43	13.8	41.3	136	156	9.15	0.6	1.5	1.8	63.6	36.0
R 20157	19.3	0.7	3	0.060	0.64	1.63	0.28	0.06	0.40	3.9	43	51.7	223	2.05	9.5	19.8	90.0	86.4	5.90	0.4	1.9	1.9	31.6	38.8
R 20158	7.1	0.9	5	0.053	0.25	2.56	0.11	0.05	0.27	1.9	27	20.9	142	2.57	16.7	19.4	194	97.9	3.22	0.6	0.9	3.9	11.6	20.0
R 20159	8.6	0.6	6	0.055	0.33	2.01	0.13	0.07	0.31	2.4	25	24.6	234	4.93	17.9	19.9	124	86.1	3.32	0.5	1.8	2.1	13.8	20.8
R 20160	13.4	1.0	5	0.056	0.44	2.00	0.16	0.07	0.40	3.1	35	28.6	169	1.58	8.2	20.6	123	108	4.33	0.5	1.1	2.3	17.9	33.4
R 20161	11.9	1.1	4	0.053	0.37	2.22	0.17	0.04	0.27	3.3	34	20.9	120	1.56	7.3	18.7	126	85.3	3.98	0.7	0.7	2.5	21.1	22.8
R 20162	17.4	1.0	5	0.060	0.69	2.43	0.26	0.06	0.32	4.2	48	29.0	228	3.19	11.2	23.4	136	102	6.46	0.5	1.3	2.6	32.6	33.4
R 20163	7.4	0.1	1	0.057	0.32	0.58	0.16	0.07	0.32	1.3	15	66.2	130	1.11	4.8	6.4	8.82	29.8	3.13	0.1	0.9	0.4	12.5	33.6
R 20164	10.8	0.6	8	0.059	0.39	1.66	0.18	0.02	0.25	2.8	27	14.8	119	1.99	7.3	17.3	88.1	83.0	3.98	0.6	1.6	1.9	24.9	20.7
R 20165	22.3	0.8	4	0.074	0.73	2.06	0.40	0.05	0.38	6.1	39	24.9	238	2.11	12.8	26.8	156	126	6.62	0.7	1.9	2.8	51.0	38.7
R 20166	17.5	0.4	5	0.068	0.60	1.62	0.28	0.03	0.31	3.0	28	21.9	201	1.66	8.3	20.8	60.4	66.9	5.39	0.4	1.6	1.9	40.0	26.3
R 20168	15.6	0.5	4	0.058	0.45	1.38	0.22	0.04	0.32	2.4	23	20.5	142	1.17	7.4	18.0	71.8	94.4	4.37	0.5	2.3	2.0	26.5	29.7
R 20169	23.2	0.6	4	0.089	0.66	1.77	0.39	0.04	0.50	3.8	43	28.0	218	2.35	19.6	27.5	94.5	152	6.41	0.6	1.0	2.6	45.9	54.7
R 20170	28.6	1.0	4	0.063	0.92	2.56	0.51	0.06	0.39	5.2	72	32.1	304	3.60	13.4	28.4	134	180	8.75	0.6	2.1	2.7	59.3	43.8
R 20171	18.0	0.6	4	0.054	0.72	1.96	0.34	0.05	0.32	4.2	50	25.2	651	4.09	16.5	18.1	60.0	112	6.90	0.3	1.4	1.2	37.4	37.5
R 20172	7.5	0.6	6	0.054	0.25	2.01	0.13	0.06	0.30	1.3	24	18.5	548	1.49	16.6	16.2	80.7	98.4	2.99	0.6	1.2	3.1	14.1	23.2
R 20173	9.9	0.7	5	0.052	0.36	2.49	0.18	0.04	0.24	2.1	29	21.0	147	2.42	6.9	12.0	90.6	74.5	3.90	0.8	1.4	3.3	21.4	20.6
R 20174	11.9	0.6	7	0.055	0.37	1.94	0.17	0.04	0.33	1.8	29	20.0	161	1.44	6.9	12.9	98.0	85.2	3.85	0.8	1.7	2.8	18.6	27.8
R 20175	10.1	0.4	3	0.052	0.39	1.74	0.16	0.04	0.34	2.1	27	40.8	140	1.24	5.4	12.9	73.0	64.6	4.04	0.5	1.9	1.9	15.8	29.6
R 20176	9.3	0.6	4	0.056	0.33	1.86	0.14	0.05	0.33	2.1	29	34.0	134	1.87	5.8	10.7	63.8	67.6	3.79	0.5	2.4	2.5	13.4	26.7
R 20177	10.1	0.6	7	0.057	0.34	2.03	0.16	0.04	0.40	1.4	25	23.6	146	1.56	7.3	16.0	77.2	85.5	3.93	0.5	1.6	2.1	15.4	30.4
R 20178	7.7	0.5	4	0.056	0.30	1.46	0.13	0.05	0.29	1.7	24	23.6	237	2.41	21.8	12.7	50.9	104	3.47	0.4	0.6	1.9	12.3	23.1
R 20179	15.9	0.8	3	0.059	0.61	1.87	0.28	0.06	0.38	4.7	49	26.2	412	4.38	14.6	16.6	81.0	126	5.86	0.5	0.4	1.1	30.6	38.3
R 20180	3.8	0.6	3	0.054	0.13	1.89	0.07	0.04	0.32	1.2	13	14.0	47	0.73	3.6	10.8	83.5	83.2	1.97	0.4	2.4	2.1	6.4	28.3
R 20181	4.4	0.3	3	0.056	0.17	1.64	0.10	0.04	0.31	1.5	18	26.4	81	1.70	5.6	10.2	79.3	86.6	2.28	0.4	1.0	1.4	8.5	23.9
R 20182	10.2	0.7	4	0.062	0.37	2.78	0.19	0.05	0.31	3.0	30	22.4	180	2.59	8.9	12.0	124	84.0	4.42	0.6	2.1	1.3	20.4	38.8
R 20183	8.1	0.5	5	0.062	0.30	2.03	0.16	0.06	0.28	2.3	34	19.1	171	3.69	9.4	11.4	130	90.9	3.54	0.5	0.8	2.5	16.2	21.9

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Analyte Symbol	Li	Be	B	Na	Mg	Al	K	Bi	Ca	Sc	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Rb	Sr
Unit Symbol	ppm	ppm	ppm	%	%	%	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.1	0.1	1	0.001	0.01	0.01	0.01	0.02	0.01	0.1	1	0.5	1	0.01	0.1	0.1	0.01	0.1	0.02	0.1	0.1	0.1	0.1	0.5
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
R 20184	6.9	0.4	5	0.060	0.25	1.52	0.13	0.07	0.33	1.6	24	22.7	117	2.02	6.3	16.0	94.0	72.0	2.92	0.4	2.0	2.1	12.0	26.7
R 20185	4.5	0.3	3	0.075	0.17	1.19	0.09	0.05	0.37	1.1	12	17.6	66	0.70	3.9	12.6	90.6	80.6	2.07	0.3	1.5	1.2	7.2	36.7
R 20186	7.3	0.6	6	0.056	0.27	1.65	0.13	0.05	0.33	2.1	31	21.8	135	2.62	5.8	10.5	72.8	83.2	3.14	0.4	0.7	1.3	11.8	28.6
R 20187	12.3	0.9	4	0.068	0.46	2.01	0.23	0.20	0.46	3.3	34	31.5	188	2.10	8.6	17.3	117	129	4.53	0.5	0.8	2.8	21.9	37.9
R 20188	6.8	0.5	6	0.059	0.28	2.16	0.13	0.03	0.38	1.5	29	22.2	153	1.99	7.3	13.2	64.7	73.5	3.45	0.4	1.4	1.9	11.9	25.9
R 20189	7.4	0.5	4	0.057	0.28	2.03	0.14	0.05	0.28	2.3	38	27.2	176	5.60	9.6	9.9	64.1	93.8	3.63	0.4	0.3	2.0	13.2	22.8
R 20190	15.8	0.5	3	0.079	0.52	2.17	0.34	0.04	0.43	4.2	44	33.1	209	2.93	12.0	23.7	134	115	5.68	0.6	1.3	2.1	36.4	36.3
R 20191	23.4	0.6	3	0.069	0.76	2.66	0.42	0.05	0.42	5.5	54	27.0	309	5.10	15.9	22.0	93.4	111	7.51	0.4	0.5	2.1	52.7	37.9
R 20192	11.1	0.3	1	0.044	0.43	1.12	0.12	0.07	0.43	1.9	119	36.7	218	6.29	10.7	13.3	18.4	39.5	6.87	0.2	1.4	1.1	15.3	26.1
R 20193	16.2	0.5	3	0.063	0.56	1.73	0.34	0.04	0.32	4.4	46	32.4	535	5.24	16.3	14.4	79.7	83.8	5.77	0.4	0.6	1.7	41.7	33.9
R 20194	16.3	0.8	4	0.066	0.53	2.41	0.31	0.05	0.34	4.2	47	25.4	242	3.64	12.4	15.9	82.6	92.8	5.64	0.5	1.6	2.1	41.4	29.4
R 20195	9.3	0.3	3	0.065	0.44	1.28	0.22	0.04	0.40	3.1	40	31.0	177	2.85	7.0	12.6	31.5	86.3	4.40	0.3	2.0	1.6	20.5	35.8
R 20196	10.3	0.3	5	0.062	0.40	1.53	0.21	0.04	0.31	3.0	39	36.8	273	3.10	6.9	11.2	60.4	64.1	3.93	0.4	0.8	0.9	20.9	30.5
R 20197	7.0	0.3	2	0.065	0.34	1.10	0.19	0.03	0.32	2.3	33	53.3	128	1.69	5.6	9.7	25.8	92.0	3.31	0.3	1.3	0.8	14.2	24.6
R 20198	12.1	0.4	4	0.068	0.50	2.05	0.24	0.07	0.31	4.0	53	45.2	184	2.73	7.9	13.2	80.9	79.3	5.52	0.3	1.0	0.8	26.4	34.5
R 20199	10.1	0.4	2	0.058	0.43	1.19	0.22	0.04	0.28	3.7	44	36.0	439	5.18	12.9	10.6	41.9	58.4	4.32	0.3	1.3	1.0	22.5	29.4
R 20200	29.1	1.0	4	0.074	1.09	3.17	0.67	0.06	0.35	7.4	72	41.3	2440	7.51	30.1	26.1	114	131	10.1	0.5	< 0.1	0.5	80.9	43.6
R 20201	10.2	0.4	8	0.083	0.38	1.09	0.19	0.04	0.41	1.7	19	23.7	153	1.12	6.8	16.6	64.1	85.1	3.31	0.4	0.9	1.1	18.7	29.8
R 20202	14.4	0.3	4	0.073	0.41	1.10	0.27	< 0.02	0.28	2.5	19	15.8	121	1.04	6.1	14.0	77.0	111	3.84	0.3	0.4	0.6	37.6	22.6
R 20203	11.4	0.3	3	0.060	0.45	1.57	0.25	0.05	0.28	3.0	42	24.1	634	2.79	13.2	16.7	71.5	80.7	4.41	0.3	1.4	2.3	23.6	27.6
R 20204	13.8	0.4	3	0.100	0.60	1.66	0.35	0.05	0.41	3.7	49	38.0	218	2.37	9.2	20.4	82.3	92.3	5.37	0.3	1.5	0.9	30.7	36.3
R 20205	9.0	0.3	2	0.062	0.38	1.50	0.20	0.05	0.23	2.3	28	39.6	205	1.82	5.3	11.4	61.3	53.2	4.03	0.3	1.8	0.8	19.3	22.5
R 20206	16.8	0.3	5	0.066	0.52	1.77	0.33	0.03	0.30	3.5	30	20.8	134	1.40	8.1	17.2	68.2	80.4	5.44	0.3	1.0	1.0	38.3	24.1
R 20207	8.9	0.3	5	0.054	0.31	1.38	0.18	0.04	0.29	2.0	25	16.8	131	1.55	7.6	16.4	67.4	99.1	3.21	0.4	1.2	1.2	19.7	19.8
R 20208	5.5	0.5	9	0.047	0.19	2.67	0.11	0.04	0.25	1.6	25	17.4	326	5.30	10.5	12.1	74.2	65.7	2.74	0.5	1.9	3.1	12.7	15.8
R 20209	9.2	0.5	5	0.057	0.31	1.34	0.17	0.08	0.37	2.1	29	29.6	137	2.08	6.1	13.2	44.9	83.2	3.51	0.4	2.4	1.9	20.4	22.9
R 20210	12.6	0.6	5	0.060	0.46	2.24	0.28	0.07	0.28	4.1	35	24.3	336	4.96	16.1	16.3	99.9	89.1	4.66	0.5	1.9	2.7	30.2	27.2
R 20211	11.4	0.5	3	0.051	0.44	1.89	0.23	0.05	0.28	2.7	26	21.9	169	1.34	6.3	16.1	78.2	79.1	4.22	0.4	1.0	1.5	25.2	22.5
R 20212	6.4	0.5	6	0.063	0.23	2.46	0.13	0.07	0.31	1.6	27	26.7	143	2.19	5.2	12.2	62.5	64.1	2.84	0.4	2.0	2.4	12.4	22.8
R 20213	16.6	0.6	5	0.068	0.59	1.76	0.30	0.05	0.39	4.3	53	41.2	190	2.82	8.7	19.2	73.0	108	5.41	0.3	0.9	1.5	27.3	39.3
R 20214	9.4	0.4	4	0.072	0.37	1.15	0.20	0.06	0.28	2.3	33	38.3	139	2.17	5.7	12.1	34.6	74.9	3.45	0.2	1.6	0.9	15.6	27.4
R 20215	24.6	0.7	6	0.066	0.77	2.33	0.50	0.05	0.42	3.6	44	29.0	262	2.32	10.7	18.1	80.1	105	6.52	0.7	1.0	1.7	53.4	30.7
R 20216	15.9	0.5	3	0.065	0.62	1.53	0.32	0.04	0.42	3.5	46	25.6	195	2.06	8.1	16.8	55.2	108	5.51	0.3	0.9	0.7	28.7	39.5
R 20217	10.6	0.7	5	0.049	0.38	2.03	0.21	0.05	0.26	2.8	35	21.4	170	3.59	8.0	13.8	104	92.6	4.10	0.6	2.2	3.7	24.5	22.0
R 20218	11.4	0.3	3	0.063	0.34	1.75	0.21	< 0.02	0.38	2.1	16	15.7	109	1.00	7.2	16.6	85.9	71.9	3.36	0.4	1.8	1.0	25.1	33.1
R 20219	6.3	0.4	4	0.057	0.25	1.62	0.13	0.04	0.31	1.4	28	20.5	96	1.74	5.3	14.1	91.2	64.2	3.18	0.5	1.3	2.0	13.1	25.6
R 20220	8.9	0.5	3	0.054	0.31	1.60	0.17	0.03	0.31	3.2	36	45.3	357	2.38	11.3	10.1	85.1	51.4	3.54	0.4	1.4	0.9	16.2	26.2
R 20221	25.1	0.6	3	0.071	0.91	2.57	0.56	0.05	0.50	6.4	66	32.9	1000	5.52	20.8	21.7	76.6	105	5.67	0.3	0.7	0.2	56.5	55.1
R 20222	15.4	0.5	5	0.090	0.56	2.28	0.32	0.06	0.38	2.8	39	42.5	210	2.25	9.3	16.7	89.4	80.7	5.46	0.5	1.9	1.7	38.4	28.6
R 20223	14.9	0.4	4	0.062	0.53	2.24	0.27	0.05	0.30	5.1	53	28.4	194	5.14	7.6	15.2	88.1	92.4	5.66	0.4	1.9	2.2	33.0	31.8
R 20224	14.0	0.5	4	0.063	0.51	1.89	0.29	0.05	0.36	3.4	42	25.9	267	2.21	11.7	15.9	83.2	76.3	4.99	0.4	2.5	2.1	29.9	30.1
R 20225	8.7	0.2	2	0.061	0.30	0.58	0.15	< 0.02	0.26	1.0	17	54.3	124	1.32	4.7	6.0	8.28	25.5	2.67	< 0.1	1.0	< 0.1	10.9	20.5
R 20226	17.8	0.5	3	0.073	0.71	2.34	0.36	0.05	0.32	5.0	53	30.0	682	5.62	21.1	17.5	84.6	94.6	7.12	0.4	0.8	2.2	43.6	35.0
R 20227	19.6	0.5	4	0.072	0.61	1.95	0.40	0.04	0.30	3.6	38	19.7	184	2.01	9.1	18.4	58.8	96.9	5.97	0.3	0.3	0.6	49.2	25.8
R 20228	9.9	0.3	5	0.058	0.33	2.04	0.20	0.05	0.26	3.9	34	20.6	570	10.2	26.8	12.9	64.0	67.1	3.93	0.4	0.6	1.5	21.4	25.9
R 20229	16.7	0.6	3	0.066	0.62	3.02	0.36	0.05	0.26	5.2	42	30.8	228	2.83	11.6	27.0	166	115	6.24	0.6	1.2	1.9	44.0	28.3
R 20230	12.1	0.6	5	0.058	0.42	2.22	0.23	0.04	0.28	3.8	39	24.1	169	2.65	7.3	14.3	88.2	91.7	4.51	0.5	0.6	1.7	27.0	24.5
R 20231	6.0	0.5	2	0.060	0.15	1.21	0.10	< 0.02	0.38	1.0	10	13.2	56	0.51	3.4	12.3	89.2	62.4	1.99	0.5	0.8	0.8	11.7	28.7
R 20232	12.7	0.6	3	0.060	0.43	2.80	0.26	0.04	0.27	3.4	38	35.3	196	3.17	8.2	17.4	122	85.2	4.75	0.6	1.5	1.9	30.1	22.7
R 20233	9.6	0.3	2	0.059	0.48	1.28	0.22	0.03	0.37	3.1	32	23.4	385	4.49	20.1	10.4	24.0	63.4	4.49	0.3	0.6	1.3	20.8	35.0
R 20234	6.0	0.6	10	0.058	0.23	1.51	0.11	0.02	0.30	2.5	32	26.5	130	4.21	11.0	11.5	59.5	152	2.74	0.5	1.6	1.0	10.1	24.8
R 20235	11.1	0.8	4	0.058	0.43	1.83	0.23	0.05	0.43	3.5	36	29.2	166	2.25	9.1	17.7	120	145	4.20	0.6	1.5	1.3	21.9	38.1

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Analyte Symbol	Li	Be	B	Na	Mg	Al	K	Bi	Ca	Sc	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Rb	Sr
Unit Symbol	ppm	ppm	ppm	%	%	%	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.1	0.1	1	0.001	0.01	0.01	0.01	0.02	0.01	0.1	1	0.5	1	0.01	0.1	0.1	0.01	0.1	0.02	0.1	0.1	0.1	0.1	0.5
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
R 20236	8.0	0.3	2	0.053	0.36	1.02	0.18	0.03	0.33	2.5	26	36.7	160	1.81	5.3	7.6	31.5	49.1	3.53	0.3	1.3	0.1	15.1	28.1
R 20237	13.5	0.4	3	0.079	0.53	1.42	0.30	0.03	0.49	3.2	35	68.7	189	2.00	9.1	16.1	75.4	123	5.17	0.3	1.5	1.1	27.9	41.3
R 20238	4.1	0.5	3	0.056	0.13	1.59	0.07	0.05	0.37	1.1	13	14.3	46	0.73	3.9	21.0	192	111	1.69	0.4	1.6	1.3	6.2	27.8
R 20239	16.6	0.7	3	0.089	0.62	2.24	0.32	0.10	0.38	3.9	40	35.8	211	4.44	12.8	31.0	205	125	5.46	0.5	1.2	1.3	30.7	32.8
R 20240	14.4	0.5	2	0.084	0.56	1.59	0.24	0.04	0.39	3.8	38	40.8	361	2.94	12.8	13.1	57.2	93.6	5.24	0.3	1.2	0.1	22.8	35.9
R 20241	8.0	0.3	3	0.058	0.30	0.80	0.13	0.03	0.36	2.2	24	40.2	110	1.20	4.2	9.4	36.6	63.8	3.04	0.2	1.0	0.7	10.6	28.1
R 20242	11.4	0.6	5	0.061	0.43	1.70	0.20	0.06	0.33	3.2	34	33.3	244	3.78	10.3	11.6	50.9	104	4.21	0.5	2.3	1.5	18.2	31.0
R 20243	9.9	0.6	4	0.065	0.42	2.42	0.19	0.04	0.35	2.3	25	36.7	150	2.08	6.1	13.4	75.3	87.7	4.30	0.5	1.9	2.2	16.7	25.8
R 20244	11.5	0.3	4	0.061	0.49	1.27	0.20	0.04	0.39	2.3	30	30.3	173	1.87	6.5	12.2	30.7	77.1	4.20	0.3	1.8	0.4	19.2	31.3
R 20245	11.9	0.5	5	0.058	0.41	1.52	0.20	0.05	0.39	2.1	28	34.3	159	1.43	7.7	14.8	54.1	86.3	4.06	0.3	1.6	0.9	18.7	28.4
R 20246	6.8	0.6	6	0.053	0.23	2.11	0.12	0.03	0.38	1.1	19	18.4	90	1.33	5.6	12.3	77.8	52.1	2.66	0.5	2.7	2.0	10.5	23.6
R 20247	30.6	0.7	3	0.070	1.16	2.82	0.58	0.05	0.52	6.0	74	43.8	925	5.13	21.6	25.3	80.5	133	10.0	0.3	0.6	< 0.1	56.8	53.0
R 20248	34.3	0.8	4	0.076	1.12	2.90	0.67	0.06	0.48	6.4	60	40.9	347	3.67	19.0	38.8	140	198	9.81	0.6	1.1	1.5	69.6	47.4
R 20249	7.5	0.4	5	0.063	0.25	1.08	0.11	0.02	0.43	1.5	20	16.1	87	0.89	6.4	17.3	64.9	90.3	2.59	0.4	1.4	1.3	10.8	32.3
R 20250	14.4	0.6	6	0.071	0.52	1.84	0.24	0.04	0.39	2.7	46	42.9	184	2.53	7.7	19.0	104	138	4.93	0.5	1.5	1.7	23.2	33.2
R 20251	18.7	0.8	5	0.066	0.66	2.12	0.33	0.06	0.38	4.3	46	34.9	272	3.85	10.6	20.4	101	117	6.11	0.4	1.5	1.1	32.3	38.0
R 20252	13.3	0.4	4	0.057	0.48	1.65	0.18	0.05	0.38	2.5	35	30.4	166	1.64	6.7	16.6	87.8	76.1	4.66	0.4	1.7	1.6	18.3	33.3
R 20253	14.1	0.6	4	0.037	0.48	2.17	0.21	0.04	0.43	2.7	27	27.6	156	1.84	8.0	23.1	97.5	91.6	4.31	0.4	0.9	2.3	20.8	31.6
R 20254	17.4	0.8	5	0.046	0.58	2.07	0.24	0.06	0.46	3.5	36	58.4	307	2.29	15.1	29.1	113	170	5.18	0.6	2.3	2.4	23.7	43.8
R 20255	7.1	1.1	6	0.027	0.32	2.30	0.11	0.05	0.25	3.4	29	25.3	595	9.58	58.5	29.7	225	160	3.14	0.7	0.8	3.4	12.3	23.4
R 20256	15.2	0.5	5	0.036	0.58	1.59	0.22	0.05	0.37	2.7	35	28.2	176	1.96	9.5	24.4	99.6	91.2	5.07	0.3	0.2	1.7	27.7	28.5
R 20257	24.1	1.0	8	0.040	0.82	2.67	0.29	0.15	0.49	4.1	43	34.4	224	2.43	13.0	44.7	260	183	6.34	0.6	1.3	3.3	35.5	38.9
R 20258	14.1	0.9	6	0.036	0.53	2.38	0.19	0.08	0.39	2.8	33	28.9	235	1.98	9.5	28.2	169	118	4.54	0.6	1.9	2.4	21.0	31.7
R 20259	10.1	0.7	9	0.027	0.35	2.40	0.13	0.08	0.38	1.8	32	33.2	148	1.76	8.2	28.3	140	73.2	3.26	0.5	2.3	3.2	13.6	24.2
R 20260	10.4	0.4	5	0.029	0.29	1.52	0.13	0.05	0.36	1.4	20	18.1	93	0.95	7.1	24.0	133	77.6	2.72	0.4	1.7	2.2	14.6	24.0
R 20261	7.6	0.6	9	0.023	0.27	1.95	0.14	0.03	0.33	1.5	21	17.0	87	1.94	7.0	21.0	147	79.8	2.72	0.5	1.3	2.8	14.1	17.1
R 20262	15.7	0.9	7	0.034	0.54	2.37	0.25	0.06	0.31	3.1	35	25.9	223	2.28	9.2	26.7	149	133	4.78	0.6	2.9	2.5	28.6	28.1
R 20263	14.2	0.6	4	0.038	0.45	2.06	0.19	0.08	0.41	3.3	24	35.9	166	1.14	11.1	38.1	161	108	4.08	0.8	2.2	2.9	20.0	32.4
R 20264	7.6	0.7	4	0.035	0.25	1.18	0.09	0.04	0.43	1.5	17	18.1	83	0.68	6.2	28.5	173	94.6	2.17	0.4	1.7	3.4	8.9	29.9
R 20265	7.1	0.3	9	0.045	0.27	1.13	0.13	0.05	0.46	1.3	17	19.0	149	1.86	17.3	19.3	71.8	66.3	2.22	0.4	1.2	6.1	10.2	30.0
R 20266	12.4	0.6	5	0.045	0.40	1.43	0.17	0.03	0.32	2.4	30	23.9	116	1.66	6.7	17.7	105	91.2	3.81	0.3	0.9	2.0	18.0	28.0
R 20267	13.3	0.5	5	0.033	0.45	1.41	0.20	0.06	0.39	3.4	31	46.8	157	1.93	5.9	18.7	65.0	78.1	4.05	0.4	1.0	1.4	18.4	39.8
R 20268	8.3	0.1	1	0.031	0.37	0.77	0.19	0.03	0.40	1.5	19	76.5	153	1.55	5.8	7.8	9.38	29.9	3.46	0.1	1.5	0.4	12.6	36.0
R 20269	12.4	0.7	4	0.028	0.47	2.07	0.20	0.05	0.27	2.1	30	22.8	189	2.39	6.2	14.3	101	92.2	4.08	0.4	2.1	1.4	18.4	27.0
R 20271	13.7	0.6	5	0.034	0.49	1.90	0.23	0.05	0.40	2.4	33	24.9	185	1.59	10.1	19.3	87.0	110	4.43	0.4	1.2	2.2	22.1	29.5
R 20272	10.5	0.3	5	0.039	0.38	1.46	0.18	0.04	0.47	2.2	26	19.0	132	2.05	8.1	19.3	50.7	103	3.47	0.3	1.8	2.5	15.5	36.3
R 20273	7.0	0.6	5	0.030	0.22	1.84	0.13	< 0.02	0.34	1.2	15	15.2	72	0.95	4.8	14.1	103	61.6	2.33	0.6	0.5	1.9	12.6	22.8
R 20274	8.9	0.4	4	0.026	0.37	1.56	0.15	0.04	0.38	2.0	31	29.2	257	2.62	15.9	12.6	53.0	87.7	3.86	0.3	0.5	1.8	13.3	28.6
R 20275	13.9	0.5	3	0.035	0.56	1.63	0.29	0.05	0.48	3.2	40	32.5	197	1.90	9.7	16.7	61.7	110	5.03	0.3	2.0	1.5	25.7	38.0
R 20276	9.0	0.5	3	0.030	0.43	1.50	0.14	0.03	0.48	2.5	27	39.0	168	1.79	6.5	12.6	38.0	108	3.65	0.3	1.3	1.0	12.3	44.2

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Analyte Symbol	Y	Zr	Nb	Mo	Ag	Cd	In	Sn	Sb	Te	Cs	Ba	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	0.01	0.1	0.1	0.01	0.002	0.01	0.02	0.05	0.02	0.02	0.02	0.5	0.5	0.01	0.1	0.02	0.1	0.1	0.1	0.1	0.001	0.1	0.1	0.1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
R 20131	46.1	1.8	0.9	3.58	0.429	0.42	< 0.02	0.29	0.05	0.04	0.40	65.2	333	476	95.7	357	45.8	6.1	25.4	2.2	9.52	1.6	3.9	0.5
R 20132	24.3	2.1	1.7	4.13	0.116	0.33	< 0.02	0.35	0.04	0.04	0.48	52.4	173	255	44.7	161	20.2	2.7	11.9	1.1	4.86	0.8	2.0	0.3
R 20133	29.3	3.2	2.5	4.97	0.092	0.31	< 0.02	0.63	0.03	< 0.02	0.85	73.8	174	291	55.9	213	28.6	3.8	16.1	1.4	6.33	1.1	2.8	0.4
R 20134	29.9	1.9	1.2	2.07	0.282	0.47	< 0.02	0.18	0.06	< 0.02	0.50	56.8	198	321	48.4	170	22.1	3.1	13.6	1.2	5.89	1.1	2.7	0.4
R 20135	40.8	2.5	1.6	3.78	0.437	0.42	< 0.02	0.32	0.09	0.04	0.82	68.2	250	410	60.6	214	28.1	4.2	18.1	1.8	8.50	1.5	3.9	0.5
R 20136	23.9	3.5	2.0	4.83	0.178	0.08	< 0.02	0.60	0.03	< 0.02	1.99	167	141	256	39.7	146	19.9	3.0	12.5	1.2	5.42	0.9	2.3	0.3
R 20137	32.8	2.4	1.7	4.42	0.122	0.48	< 0.02	0.37	0.03	< 0.02	0.58	53.1	179	285	47.9	177	23.5	3.4	14.9	1.4	6.32	1.1	2.9	0.4
R 20138	25.8	3.1	1.9	9.52	0.033	0.07	< 0.02	0.56	0.03	< 0.02	0.88	69.9	144	259	41.8	153	20.1	2.8	12.3	1.1	5.37	1.0	2.5	0.3
R 20139	30.9	2.3	1.8	4.08	0.188	0.23	< 0.02	0.37	0.02	< 0.02	0.61	58.4	228	382	59.9	214	28.9	3.7	15.9	1.4	6.46	1.1	2.8	0.4
R 20140	33.9	3.0	2.3	5.26	0.199	0.27	< 0.02	0.40	0.02	< 0.02	0.93	80.9	299	386	80.9	296	38.0	4.8	21.5	1.8	7.54	1.3	3.0	0.4
R 20141	36.0	2.2	1.2	1.86	0.287	0.47	< 0.02	0.19	< 0.02	< 0.02	0.72	63.4	294	410	82.3	307	39.3	5.3	21.7	1.8	8.16	1.3	3.3	0.4
R 20142	46.5	2.8	1.9	5.93	0.208	0.37	< 0.02	0.37	0.03	< 0.02	1.15	75.0	287	492	85.4	319	42.7	5.7	24.3	2.2	10.1	1.7	4.5	0.6
R 20143	59.5	3.0	1.8	3.12	0.398	0.45	< 0.02	0.42	< 0.02	< 0.02	1.86	100	412	821	122	458	58.5	8.2	33.9	3.0	13.1	2.3	5.7	0.8
R 20144	18.0	2.3	2.1	2.94	0.071	0.45	< 0.02	0.46	< 0.02	< 0.02	0.74	70.9	125	224	32.0	116	14.3	2.1	8.5	0.8	3.64	0.6	1.6	0.2
R 20145	17.2	2.7	1.7	2.57	0.037	0.07	< 0.02	0.64	< 0.02	< 0.02	0.94	80.7	105	214	30.8	113	15.0	2.2	8.9	0.8	3.92	0.7	1.8	0.2
R 20146	23.1	2.6	1.6	3.54	0.049	0.20	< 0.02	0.52	< 0.02	< 0.02	0.70	74.9	136	201	33.8	119	16.5	2.3	10.1	1.0	4.57	0.8	2.1	0.3
R 20147	30.1	2.3	1.8	5.11	0.169	0.38	< 0.02	0.39	0.03	0.03	0.74	69.1	211	370	54.2	194	24.7	3.6	14.8	1.3	6.15	1.1	2.7	0.4
R 20148	58.7	2.3	1.6	4.08	0.148	0.33	< 0.02	0.41	0.03	< 0.02	0.99	76.4	279	508	83.3	306	40.6	5.9	25.6	2.5	11.9	2.1	5.7	0.8
R 20149	49.8	5.4	2.7	10.2	0.505	0.76	0.02	0.64	0.03	< 0.02	2.47	223	396	527	97.1	336	41.4	5.5	24.2	2.2	10.3	1.8	4.7	0.6
R 20150	56.0	3.8	2.6	6.28	0.609	0.27	< 0.02	0.66	0.06	0.10	3.79	153	310	400	76.8	276	37.0	5.3	24.1	2.3	10.8	1.9	4.8	0.6
R 20151	42.8	3.9	2.2	5.21	0.404	0.21	< 0.02	0.63	0.06	0.03	2.60	112	238	267	56.9	203	26.7	3.9	17.7	1.7	8.10	1.4	3.6	0.5
R 20152	37.1	3.2	2.4	4.43	0.160	0.27	< 0.02	0.49	0.03	< 0.02	1.23	73.6	185	275	46.9	170	22.7	3.3	14.6	1.4	6.84	1.2	3.2	0.4
R 20153	49.4	2.0	1.1	5.94	0.266	0.62	< 0.02	0.25	0.04	0.03	0.71	60.5	254	317	64.5	238	30.8	4.5	19.8	1.8	8.98	1.6	4.4	0.6
R 20154	46.1	2.5	1.7	9.26	0.441	0.50	< 0.02	0.51	0.02	0.03	2.28	168	246	287	61.3	219	28.3	4.1	18.1	1.8	8.87	1.6	4.3	0.6
R 20155	86.1	2.1	1.3	10.9	0.360	0.75	< 0.02	0.25	0.04	< 0.02	1.13	73.5	338	350	86.9	320	42.8	6.4	30.7	3.1	15.0	2.8	7.3	1.0
R 20156	44.6	4.8	2.6	7.25	0.324	0.60	0.03	0.67	0.03	< 0.02	2.74	123	232	357	70.2	261	35.0	4.8	21.5	2.0	9.39	1.6	4.3	0.6
R 20157	37.1	2.7	1.8	6.33	0.236	0.19	< 0.02	0.56	< 0.02	< 0.02	1.49	97.9	171	298	46.9	171	23.5	3.6	15.5	1.5	7.49	1.3	3.6	0.5
R 20158	60.3	1.8	1.3	11.1	0.458	0.54	< 0.02	0.22	0.05	< 0.02	0.96	61.1	303	688	80.8	302	42.6	6.4	29.0	2.7	13.0	2.2	5.6	0.7
R 20159	43.4	2.6	1.4	12.7	0.348	0.48	< 0.02	0.26	0.04	< 0.02	0.97	66.9	216	357	60.4	226	30.6	4.7	19.4	1.8	8.65	1.5	4.0	0.5
R 20160	61.3	3.0	2.0	4.55	0.427	0.84	< 0.02	0.36	0.02	< 0.02	1.00	62.1	291	504	79.8	294	39.7	6.0	25.4	2.5	12.0	2.1	5.7	0.8
R 20161	70.6	4.6	1.6	9.83	0.353	0.57	< 0.02	0.30	0.03	< 0.02	1.22	61.4	315	452	95.6	364	51.3	7.7	32.4	3.1	14.8	2.6	6.6	0.9
R 20162	54.5	3.7	2.0	8.39	0.234	0.28	< 0.02	0.46	0.02	< 0.02	1.78	82.9	229	365	65.2	245	35.1	5.4	22.9	2.3	11.1	1.9	5.2	0.7
R 20163	3.33	2.8	2.4	3.71	0.017	0.01	< 0.02	0.95	< 0.02	< 0.02	0.44	36.2	17.3	37.7	4.0	14.1	2.2	0.4	1.5	0.2	0.916	0.1	0.4	< 0.1
R 20164	73.2	3.5	1.4	4.55	0.371	0.20	< 0.02	0.23	< 0.02	< 0.02	1.03	60.2	281	400	81.8	309	43.8	7.0	29.0	3.0	14.4	2.7	6.8	0.9
R 20165	82.1	9.7	2.5	3.25	0.559	0.38	< 0.02	0.46	0.04	< 0.02	2.04	162	394	532	115	432	61.4	9.0	38.7	3.7	17.1	3.0	7.7	1.0
R 20166	40.6	3.1	1.7	1.75	0.331	0.24	< 0.02	0.42	0.02	0.04	1.83	120	208	313	58.6	220	30.2	4.4	18.8	1.8	8.04	1.4	3.7	0.5
R 20168	46.4	2.6	1.5	3.20	0.265	0.49	< 0.02	0.33	0.03	< 0.02	1.37	105	244	330	64.5	237	30.9	4.4	19.5	1.8	8.81	1.6	4.1	0.5
R 20169	50.6	5.8	2.1	8.64	0.366	0.60	< 0.02	0.47	0.04	< 0.02	1.94	84.8	313	380	78.6	278	34.4	4.7	21.0	2.0	9.10	1.6	4.3	0.6
R 20170	56.2	4.0	2.2	16.5	0.301	0.57	0.02	0.63	0.03	< 0.02	2.48	175	301	461	85.8	312	41.3	5.8	25.6	2.4	11.0	2.0	5.2	0.7
R 20171	27.3	2.8	1.0	7.00	0.071	0.25	< 0.02	0.54	0.03	< 0.02	1.42	118	162	305	42.5	154	20.3	2.9	12.6	1.2	5.64	1.0	2.7	0.4
R 20172	60.0	1.4	0.9	3.42	0.311	1.00	< 0.02	0.24	0.07	0.07	0.76	63.1	325	565	83.9	299	38.7	5.7	25.6	2.4	11.4	2.0	5.1	0.7
R 20173	79.8	2.5	1.4	6.52	0.215	0.38	< 0.02	0.27	0.04	< 0.02	1.03	66.7	388	784	117	445	58.6	8.7	37.2	3.4	16.2	2.8	7.4	1.0
R 20174	64.3	2.2	1.3	6.98	0.307	0.70	< 0.02	0.28	0.03	< 0.02	0.98	78.1	393	590	113	417	53.5	7.4	31.7	2.8	12.8	2.3	5.8	0.8
R 20175	31.2	1.9	1.7	4.13	0.204	0.24	< 0.02	0.35	0.03	< 0.02	0.70	59.6	212	441	65.6	246	32.7	4.4	18.0	1.7	7.43	1.3	3.2	0.4
R 20176	32.7	2.2	1.7	6.84	0.080	0.25	< 0.02	0.37	0.03	0.05	0.70	54.8	229	484	66.3	245	31.8	4.4	18.8	1.7	7.49	1.3	3.1	0.4
R 20177	29.2	2.0	1.5	3.10	0.177	0.52	< 0.02	0.32	0.02	< 0.02	0.77	82.0	240	380	59.8	215	27.2	3.7	16.3	1.4	6.09	1.0	2.6	0.4
R 20178	30.1	1.7	1.4	6.59	0.126	0.64	< 0.02	0.28	0.04	0.08	0.62	69.1	195	355	51.3	187	23.1	3.3	14.2	1.2	5.65	1.0	2.6	0.3
R 20179	35.6	2.9	1.8	10.1	0.113	0.18	< 0.02	0.54	0.02	< 0.02	1.13	103	180	311	58.9	226	32.4	4.5	18.6	1.8	8.16	1.5	3.9	0.5
R 20180	36.1	1.4	1.0	2.19	0.202	0.45	< 0.02	0.13	0.04	< 0.02	0.51	64.5	230	405	66.1	248	34.5	5.1	21.1	1.8	8.11	1.4	3.5	0.5
R 20181	33.3	1.5	1.2	4.06	0.243	0.38	< 0.02	0.20	0.05	< 0.02	0.55	67.3	235	396	62.2	229	29.8	4.2	18.3	1.6	6.98	1.2	2.9	0.4
R 20182	50.4	2.2	1.9	4.15	0.358	0.12	< 0.02	0.36	0.03	< 0.02	1.28	61.9	229	558	90.5	359	52.2	6.8	30.3	2.8	12.2	2.0	5.1	0.7
R 20183	38.8	2.0	1.5	3.61	0.407	0.50	< 0.02	0.28	0.03	< 0.02	1.11	78.7	248	437	60.6	212	28.2	4.0	17.9	1.7	8.08	1.4	3.5	0.5

Analyte Symbol	Y	Zr	Nb	Mo	Ag	Cd	In	Sn	Sb	Te	Cs	Ba	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	0.01	0.1	0.1	0 01	0 002	0.01	0 02	0.05	0 02	0.02	0.02	0.5	0.5	0.01	0.1	0 02	0.1	0 1	0 1	0.1	0 001	0 1	0 1	0.1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
R 20184	33.2	2.0	1.4	3.86	0.213	0 47	< 0.02	0 54	0 04	< 0 02	0.99	69 8	185	305	47.8	172	23.1	3.3	15.0	1.4	6.53	1.2	3.0	0.4
R 20185	27 5	1.5	1 2	1.57	0.192	0.38	< 0.02	0.25	0 05	< 0 02	0.66	78 4	147	281	41 4	157	22.1	3.4	13.7	1 3	5.96	1.0	2 7	0.4
R 20186	49 2	2.1	1.7	4 81	0.131	0.33	< 0.02	0.43	0 05	< 0 02	0.59	57.7	229	357	60 2	218	29 5	4 3	19.2	1 9	9.14	1.7	4.4	0.6
R 20187	65 8	3 1	2.6	6 31	0 239	1.03	< 0.02	0.45	0.03	< 0 02	0.84	78.0	323	473	90 7	337	45 3	6.4	28.5	2 7	12.3	2.2	5.6	0 8
R 20188	45 8	2 0	2.5	2.95	0 217	0.54	< 0.02	0.36	0 02	< 0 02	0 54	78.5	211	389	58 7	220	31 2	4.5	19.9	2 0	9.27	1 6	4 2	0.5
R 20189	37.0	2 8	2.5	2 85	0 162	0.33	< 0 02	0.44	0 03	0 04	0 51	57 2	154	314	43 2	158	23.3	3.5	15 1	1 6	7.69	1 4	3.6	0 5
R 20190	31 5	3 5	2.2	4 26	0.564	0.36	< 0.02	0.46	0.03	0.03	0.96	126	286	426	78.3	284	36.2	4 6	20 6	1.8	7.56	1.3	3 2	0 4
R 20191	35.4	3.2	2 7	5.20	0.382	0.28	0.02	0.70	< 0 02	< 0 02	1 32	173	225	385	54.1	187	23.8	3 3	15 6	1.6	7 27	1.3	3 4	0 5
R 20192	7.13	4.1	3 4	0 87	0 029	0 07	< 0.02	0 77	0 04	< 0 02	1 23	30 4	43 7	85 5	9.4	33.9	5.0	0.8	3 4	0 4	1.73	0.3	0.7	< 0 1
R 20193	38.5	3.0	1 5	4 98	0 272	0.16	< 0 02	0.49	0 04	< 0 02	0.99	129	191	380	49 4	173	22.3	3 2	15.0	1.5	7.55	1.4	3.8	0 5
R 20194	53 6	2 7	2 1	6.07	0.400	0.30	< 0 02	0.50	< 0 02	< 0 02	1.13	139	239	498	62 1	221	28.4	4 4	20.6	2.2	10.8	2.0	5.2	0 7
R 20195	24 5	2.5	1.8	3.38	0.150	0.30	< 0 02	0.41	0 03	< 0 02	0.56	86.4	130	171	30 1	105	13.3	1.9	9 2	0.9	4.32	0 8	2 0	0.3
R 20196	38 6	2 1	1 3	4.62	0.082	0.13	< 0.02	0.43	0 04	0 08	0.61	77.8	160	293	44 5	161	21.5	3 1	14 2	1.4	7.25	1.3	3 5	0.5
R 20197	28.9	1.9	1 1	4.90	0.076	0.30	< 0.02	0.35	0 03	0 07	0 33	64.8	139	202	36 2	131	17.1	2.3	10 9	1.0	5.18	0.9	2.5	0.3
R 20198	45.5	2.3	1 4	5.14	0 130	0.10	< 0.02	0 47	0 04	0 07	0.86	82.0	167	336	50 4	187	26.3	3.7	16.8	1.8	8 93	1.7	4 6	0.6
R 20199	31.7	2.9	1.3	4.32	0 073	0.12	< 0 02	0.49	0 04	0 09	0 66	71 5	139	249	34 4	122	16.0	2 3	11.0	1 1	5 76	1.1	2.8	0.4
R 20200	44.9	4.0	0.7	6 73	0.245	0.20	0.03	0.81	0 02	0 04	2.07	244	255	435	63 0	222	29.0	4.2	19.2	1 8	8 52	1.5	4.0	0.5
R 20201	28.5	3.0	1.6	2 42	0.255	0.55	< 0.02	0.44	0 03	0.03	0 62	59 6	171	237	39 7	138	18.1	2 6	11 5	1 1	5.37	1.0	2.5	0.3
R 20202	26.2	2.6	1.4	1 34	0.253	0.55	< 0.02	0 30	0 04	< 0 02	1 03	122	172	209	40.9	137	16.6	2 2	10.0	1.0	4.69	0 9	2.3	0 3
R 20203	19.9	1.8	0.7	2 28	0 226	0 53	< 0.02	0 36	0.05	< 0 02	0.75	108	129	212	26.8	98.8	12.1	1.8	8.0	0.8	3 94	0 7	1.9	0 3
R 20204	18.1	2.5	1.5	3 75	0 223	0.34	< 0 02	0 45	0.03	0.07	0.83	128	117	183	27.9	97.7	12 5	1.7	7 7	0 8	3 58	0.6	1.7	0 2
R 20205	21.4	1.9	0.8	2 89	0 114	0.10	< 0 02	0 29	0.03	0.04	0.63	78 9	118	212	33.0	119	15 2	2.1	9.2	0 9	4 08	0.8	2.0	0 3
R 20206	20 4	3 1	1.4	1 16	0 315	0 38	< 0 02	0 45	< 0.02	0 04	1.04	192	165	250	45.8	160	19.1	2.5	10.4	0 9	4.43	0 8	2.1	0 3
R 20207	28 9	2 2	1.0	2 30	0.347	0 53	< 0.02	0.28	0.04	0.06	0.85	77.6	225	270	51.0	170	20 4	2.9	12.5	1 2	5.66	1 0	2.5	0 3
R 20208	43.5	2 2	1.0	3 30	0 418	0 46	< 0.02	0.21	0.05	0.05	0.34	58.3	333	775	80.4	276	33.3	4 8	21 1	2 0	9.37	1.6	4.1	0 6
R 20209	36.2	2 7	3.4	4 43	0.209	0 42	< 0 02	0 63	0 09	< 0.02	0.56	59.0	277	370	61 6	208	24.9	3 6	15.7	1 5	7.15	1.3	3.3	0 4
R 20210	54.2	2 6	1 2	4.85	0.296	0 42	< 0.02	0 37	0 05	0.03	0.97	117	344	551	79 7	274	34.2	5 0	22.6	2 1	10.3	1 8	4 7	0.6
R 20211	38.6	2 7	1 2	1.85	0.243	0 57	< 0 02	0 30	0 04	0 06	0.85	66 3	259	367	64 6	228	28.3	4 0	17.3	1.6	7.71	1 3	3 5	0.5
R 20212	36 1	1.9	1 2	3.76	0 276	0 35	< 0.02	0.34	0.06	0.16	0.46	62.4	242	469	61.2	212	25.8	3 4	15.4	1 4	7.03	1 2	3 2	0.4
R 20213	26.9	3.0	1.9	3.64	0.113	0.53	< 0.02	0 47	0 02	0 12	0 86	97.1	133	245	35 8	131	17.3	2 6	11.2	1 1	5.45	1.0	2 6	0 4
R 20214	18.2	1 9	1 3	3.20	0.161	0.42	< 0.02	0.34	0 04	0.18	0 52	70.9	92.6	163	21 3	74.7	9.8	1 5	6.7	0.7	3.26	0.6	1 6	0 2
R 20215	85.8	3 2	3.1	2.57	0.278	0.54	< 0.02	0.59	< 0 02	0.04	1 53	86.4	365	655	99 0	369	54.0	7.5	36.8	3 8	18.5	3.2	8 1	1.1
R 20216	21 5	3 0	2 0	2 44	0.131	0 42	< 0.02	0.53	0.02	0.04	0 79	125	115	176	28.4	99.0	13.1	1 9	8.4	0.9	4.24	0 8	2 0	0 3
R 20217	78 9	2.5	1.6	8 56	0.363	0.62	< 0.02	0.35	0.04	0.12	0.81	76.4	356	551	81.6	285	36.9	5.5	25.7	2 7	13.5	2.5	6.8	0 9
R 20218	44 6	2 2	1.6	1 84	0 270	0 33	< 0 02	0.25	0.03	0.03	0.80	122	208	332	55.8	207	28.7	4 2	19.1	1 9	8.98	1 6	4.1	0 5
R 20219	63 9	1.8	1.4	4.97	0 270	0.57	< 0.02	0.30	0.03	0.04	0.51	73.9	264	356	68 2	248	32.8	4 6	21.6	2.1	10.6	2 0	5.3	0.7
R 20220	49.3	1 7	1 4	6.01	0.133	0 08	< 0 02	0.35	0 03	0 03	0.48	63.4	126	394	51 9	207	32.4	4.8	20 9	2 2	11.3	2 1	5.8	0 8
R 20221	25.6	3 0	0.8	4.79	0.090	0 09	0.02	0.71	0 04	0 08	1 33	186	135	278	34 8	121	15.7	2 3	10 6	1 0	5.22	0.9	2 5	0.3
R 20222	54.3	2.3	2.0	6 95	0 322	0 42	< 0.02	0 48	0 03	< 0.02	1.09	82.2	258	459	61 9	221	29.4	4 2	20 3	2 0	10 0	1.8	4.8	0 7
R 20223	54.0	2.8	1.5	5 99	0 236	0.28	< 0.02	0 45	0.03	0.13	0.94	112	286	479	69.7	239	30.1	4.3	19.5	2 0	10.0	1.9	5 1	0.7
R 20224	52.1	1.8	1.6	3 48	0.207	0.38	< 0 02	0 47	< 0.02	0 07	0.83	88 2	259	495	59.8	208	28.0	4 1	19.8	2 0	10.0	1.9	4.9	0.7
R 20225	3.25	2.3	2 7	3 96	0 217	0 04	< 0.02	0.53	< 0.02	0.03	0.45	29.6	17 7	38 9	4.0	14.4	2.3	0 4	1.4	0.2	0.871	0.2	0 4	< 0.1
R 20226	31.9	2.8	1 1	3 38	0 424	0.24	0.02	0.52	< 0.02	0.08	1 02	133	185	358	44.8	154	19.8	2 8	12.4	1 2	6 23	1.1	3.0	0.4
R 20227	24 8	3 2	2.0	1.89	0.275	0.37	< 0.02	0 44	0.02	0 03	1.18	98.5	168	242	44 2	156	19.8	2 6	11 5	1.1	5 24	0.9	2.4	0.3
R 20228	33 2	3.9	1.2	3 62	0.343	0.29	< 0.02	0 32	0.03	0.06	0.71	116	208	530	53 5	189	24.5	3.2	16 3	1 5	7 02	1.2	3.4	0 5
R 20229	45.9	2.9	1.9	4 88	0.423	0.35	< 0 02	0.36	0.03	0 08	1.40	110	291	586	68 1	325	43.4	5 6	25 6	2.3	10 6	1.8	4 6	0 7
R 20230	49.6	2.8	2 0	4 01	0 256	0 38	< 0.02	0.35	0.04	0 09	0.79	82 2	280	485	82 1	298	39.3	5.2	22 7	2.1	10.1	1.8	4 8	0.7
R 20231	33.7	1.5	0.9	1.02	0.197	0.39	< 0.02	0 15	0 04	0 08	0 47	98.9	237	381	64 0	234	30.6	4 3	18.6	1.7	7 94	1.4	3 4	0 4
R 20232	60 4	2.5	1 9	3.84	0 242	0 24	< 0 02	0 36	0.03	< 0 02	1.08	86.1	307	669	97.1	362	50.9	6.8	31 2	2.9	13 8	2.3	6.3	0.8
R 20233	18.1	2.9	1.8	1 70	0 058	0.13	< 0 02	0.58	< 0.02	0 10	0.60	69.2	99 8	245	26 0	96.7	13.7	2 0	8.9	0.8	3 90	0.6	1 7	0.2
R 20234	48.2	3 3	2 4	6 43	0 249	0 48	< 0 02	0 34	0.04	0 05	0 36	38 0	289	375	73.8	261	34.1	4.6	20.5	2 0	9.32	1.7	4 4	0 6
R 20235	55 6	4 3	2.8	9 85	0 250	0.90	< 0 02	0 38	0 03	< 0.02	0.94	73 9	310	425	85 0	314	42.7	5 8	26 6	2 5	11.7	2 1	5.4	0 7

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Analyte Symbol	Y	Zr	Nb	Mo	Ag	Cd	In	Sn	Sb	Te	Cs	Ba	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	0.01	0 1	0 1	0 01	0.002	0.01	0 02	0.05	0 02	0.02	0.02	0.5	0.5	0.01	0.1	0.02	0.1	0.1	0 1	0.1	0 001	0 1	0 1	0.1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
R 20236	16 8	2 4	2.0	3.63	0 016	0 05	< 0.02	0.51	< 0 02	0 04	0.44	47.8	60.6	139	21.5	84.0	12 9	1 9	7.7	0 8	3 86	0 7	1 9	0 3
R 20237	23 5	3 6	3.2	6 30	0.190	0.40	< 0.02	0 95	0 04	0.06	0 99	85.7	133	253	36.3	131	18.1	2 6	11 2	1.1	5.17	0.9	2 3	0 3
R 20238	40 3	1.5	1.0	2 15	0 281	0 53	< 0.02	0 15	0.06	0.09	0.76	74.4	227	399	61.3	226	31.5	4 1	20.4	2.0	9 25	1 6	3 9	0.5
R 20239	40 8	3.7	2.7	6 85	0.248	0 56	< 0 02	0 47	0.05	0.09	2 60	91.8	210	384	63.4	237	33 3	4 5	19.9	1.9	8.66	1 5	3 9	0.5
R 20240	21 3	2.6	1.5	6 55	0.053	0 06	< 0.02	0 56	0 03	0.06	0.94	77.4	99 1	211	36.8	147	21 9	3 1	11 9	1.1	5.23	0 9	2 4	0 3
R 20241	15 3	2 5	2.1	3 64	0.060	0 31	< 0.02	0.38	0 03	0 05	0 41	47.9	94 2	150	25.2	91.4	12 4	1.7	7.2	0.7	3 37	0.6	1 5	0 2
R 20242	36 7	2,6	1 6	10.1	0.044	0.10	< 0.02	0.45	0.03	0.09	0 83	66 9	205	391	62.3	229	30.2	4 1	17.9	1 6	7 53	1 3	3 6	0.5
R 20243	35 4	2 9	1 9	5 30	0.166	0.27	< 0 02	0 40	0 03	< 0.02	0.74	57 9	265	464	79 9	300	39 4	5 1	21 1	1 8	8.10	1 3	3.4	0 5
R 20244	16.5	2 2	1 8	3 91	0 075	0.21	< 0.02	0 43	0 05	0.07	0.73	63.1	110	189	29 4	105	13 6	1.9	7 8	0.7	3 52	0.6	1.7	0.2
R 20245	29.3	2.0	1 8	3.97	0 235	0.31	< 0.02	0.37	0 03	< 0.02	0.82	73 2	192	318	49 9	179	22 5	3 1	13 5	1 2	5.83	1.0	2.6	0.4
R 20246	44 2	1.8	1 1	3 45	0.280	0 52	< 0.02	0.20	0 04	0.09	0.54	65.4	302	490	82 1	303	39.2	5.2	22 4	2.0	9.16	1.6	4.0	0.5
R 20247	24 1	3.5	1 2	14 9	0.067	0.10	0 03	0 77	0.03	0 11	2.08	168	146	304	43.4	160	21.9	3 0	11 9	1 1	5.47	1.0	2 5	0.3
R 20248	44 7	6 8	2 8	23.2	0.358	0 52	0.02	0.72	0 03	0.03	2 92	73.1	316	419	82 5	341	44.6	5.8	23 4	2 1	9.84	1.7	4.4	0.6
R 20249	34 1	2.6	1.1	4.17	0 248	0.57	< 0 02	0 22	< 0.02	0.08	0.60	47.7	223	277	51.6	181	22.7	3.1	13 4	1 3	6 09	1 1	3 0	0.4
R 20250	47.4	2.7	1.8	15 4	0 247	0 58	< 0.02	0.43	0 03	0 10	1.07	80.7	253	406	69 8	249	32.2	4.4	18.8	1.8	8 59	1.6	4.2	0.6
R 20251	40.1	2.5	1.5	11 7	0 149	0 42	< 0 02	0 47	0 05	< 0.02	1.37	99.7	202	366	63.9	236	31 5	4 4	18 2	1.7	8.38	1 5	4.1	0 6
R 20252	41 9	2.3	1 8	8 10	0 168	0 44	< 0 02	0.43	0.02	< 0.02	1.01	64.3	257	399	59.6	206	26.0	3.7	16 2	1.5	7.41	1.4	3.7	0 5
R 20253	41 5	3 7	2.0	2 91	0.269	0.81	< 0.02	0 31	0.03	0 08	0.99	63 7	252	384	63 5	226	29 6	4 3	17 6	1 7	8 07	1.4	3 8	0 5
R 20254	59.4	3 1	1 8	10.6	0 314	0.89	0.02	0 50	0.06	0 03	1.22	77.3	310	502	79 4	288	38 6	5 4	23 5	2.3	11 0	2.0	5 3	0 7
R 20255	78.1	3.1	1 0	21 8	0.421	0 73	< 0.02	0 21	0.03	0 09	0.82	60 4	410	725	102	368	48 8	7 5	30 9	3.0	14.7	2 7	7 2	1 0
R 20256	36 7	3.1	2 1	10 4	0.424	0 43	< 0.02	0 44	< 0 02	0.02	1.65	47 0	157	217	36 8	133	19.3	2 9	13 2	1.4	6.91	1 3	3.4	0.4
R 20257	64.2	4.3	2 2	11 7	0.789	0.86	0.02	0.56	0 03	0.07	2.64	105	340	461	89.0	327	45.3	6 5	27.8	2.7	13.0	2 3	5 8	0.8
R 20258	68 4	2 8	1.7	10 3	0.473	0.68	< 0.02	0.28	0 02	0 08	1 50	44 9	353	585	91.7	338	45.8	6.7	27.9	2.7	13.2	2.3	6 2	0 8
R 20259	71.0	2 1	1 5	8 22	0.417	0.66	< 0.02	0.28	0 03	0 02	1 08	27.8	334	547	87.2	320	44.4	6.7	28.1	2 9	14.2	2 5	6 7	0.9
R 20260	44.9	1.5	0 9	4 86	0.500	0.57	< 0 02	0.17	< 0.02	0 11	1 39	84 8	227	325	63.3	237	34.0	5.0	20.6	2.0	9.61	1 7	4 5	0.6
R 20261	55.4	1 7	0 9	12 9	0.472	0 42	< 0 02	0 24	0.02	0 09	0 79	57.2	288	434	76 3	280	37.7	5 5	23 2	2.2	10.8	1.9	4 9	0 6
R 20262	77.8	2 8	1 6	14 8	0.294	0.46	< 0.02	0 35	0.03	< 0 02	1.65	67.1	332	528	97 4	367	51 5	7 3	31 9	3 0	15 0	2.7	7.2	1.0
R 20263	89.1	4 2	2.2	2 81	0 439	0 50	< 0 02	0.33	0 04	0 05	1 44	47 5	420	579	116	436	61.3	8.9	38.5	3.7	17.9	3.1	8 1	1 1
R 20264	51.4	2 2	1 0	4.77	0.348	0.75	< 0 02	0 17	0.03	0 09	0.70	27.3	312	374	70.5	250	31 6	4 9	19 3	1.9	9.34	1 7	4 4	0 6
R 20265	40.0	1.3	0 8	12 8	0.285	0.46	< 0 02	0 19	0.03	< 0 02	0.68	26.6	225	279	52.0	184	23 6	3 4	14.5	1.4	6 88	1.2	3.4	0.4
R 20266	51 4	3.5	1 6	7.27	0.356	0.60	< 0 02	0.27	0.03	0.10	1.06	56 4	236	315	62 0	226	31.1	4 4	19.1	1.9	9.30	1.7	4.6	0.6
R 20267	43 6	3 1	1 9	7 24	0.141	0 17	< 0.02	0 42	0.03	0.08	0.94	60.4	196	311	60 2	223	31 1	4 5	18 2	1.8	9 08	1.7	4.4	0.6
R 20268	3.90	2 5	2 9	5 03	0.006	0.04	< 0.02	0 57	0.04	< 0.02	0.50	36 7	20 8	45.1	4 7	17 0	2 8	0 5	1.7	0.2	1.09	0 2	0 5	< 0 1
R 20269	41.8	1 6	0.9	9 66	0 180	0 20	< 0.02	3 20	0.04	< 0.02	0 96	62 2	236	384	69.6	211	26 9	3 8	16.0	1.5	7 64	1 4	3.8	0 5
R 20271	35.7	2 0	1 5	4 55	0.202	0 78	< 0 02	0 40	0 05	< 0.02	0.95	66 7	244	384	59 0	205	26 0	3 5	15.3	1.4	7 00	1 2	3 3	0 4
R 20272	28.5	3 0	1 7	4.53	0.253	0.42	< 0 02	0.27	0.05	< 0 02	0.69	44.3	219	266	49 8	174	21 2	2 8	12.3	1.1	5.12	0 9	2 4	0 3
R 20273	42.3	1 5	1 0	3 66	0.379	0 42	< 0.02	0 16	< 0.02	< 0 02	0 50	63 6	357	449	102	371	46.8	5 9	23 9	2.0	8.99	1.5	3 8	0 5
R 20274	25.4	2.0	2 0	6.08	0 123	0 55	< 0.02	0 43	0 04	< 0 02	0.54	60 2	174	309	44.2	160	20 0	2 8	11.5	1.1	5 09	0.9	2 3	0 3
R 20275	27.1	3 0	2 2	5 79	0.131	0.52	< 0.02	0 46	0 02	0.11	0 88	77.4	182	262	46 8	169	22 2	3 1	12 7	1 2	5.60	0 9	2 5	0 3
R 20276	25 9	2.1	1 6	5 44	0 092	0 32	< 0.02	0 40	0.05	0.03	0.54	54 8	159	229	43.1	158	21.0	2.9	12.3	1 1	5 36	0.9	2.4	0 3

Analyte Symbol	Yb	Lu	Hf	Ta	W	Re	Au	Tl	Pb	Th	U	LOI
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	%
Detection Limit	0 1	0.1	0.1	0.05	0.1	0.001	0.5	0.02	0 01	0 1	0.1	
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	GRAV
R 20131	3.0	0 4	0.1	< 0.05	< 0 1	0.001	2.2	0.22	3 17	1.4	8.3	39.78
R 20132	1.6	0.2	< 0.1	< 0.05	< 0 1	< 0.001	< 0 5	0 14	3.48	3 3	5.8	19.73
R 20133	2.3	0.4	< 0 1	< 0.05	< 0 1	0.002	1 9	0 21	4.28	12 1	8.8	11.43
R 20134	2 3	0.3	< 0 1	< 0.05	< 0 1	< 0.001	0.8	0.21	3.53	3 7	14 5	42 78
R 20135	3.0	0.4	< 0.1	< 0 05	< 0 1	< 0.001	2.4	0.40	8.26	7 0	38 7	29.98
R 20136	2 0	0.3	< 0.1	< 0.05	< 0 1	< 0.001	1.1	0.32	7.19	18.4	15.5	14.20
R 20137	2 3	0.3	< 0 1	< 0 05	< 0.1	< 0.001	1 9	0 15	3 49	4 9	12.7	18 46
R 20138	2 1	0.3	< 0.1	< 0.05	< 0 1	< 0.001	1.9	0.15	4 99	10 5	20 0	9 14
R 20139	2.2	0.3	< 0.1	< 0.05	< 0 1	0.002	< 0.5	0.17	3.16	6.1	8.7	19.83
R 20140	2 4	0.4	< 0 1	< 0 05	< 0 1	0.002	2.4	0.20	4 40	10 8	14.3	17.69
R 20141	2 4	0.3	< 0 1	< 0.05	< 0.1	0 004	2.4	0 15	3 49	5 0	7.8	31.74
R 20142	3.7	0 5	< 0.1	< 0.05	< 0.1	< 0 001	1.3	0.24	5.54	9.4	11.2	19.61
R 20143	4.5	0.7	< 0 1	< 0.05	< 0.1	0.001	1.1	0.29	6.61	11.1	12.4	25 02
R 20144	1.3	0.2	< 0.1	< 0.05	< 0 1	< 0.001	< 0 5	0.20	3.14	7.7	6.7	13.42
R 20145	1.5	0.2	< 0.1	< 0.05	< 0 1	< 0.001	1 3	0.17	4.25	11.1	7.4	7.40
R 20146	1 9	0.3	< 0.1	< 0.05	< 0 1	< 0.001	< 0.5	0.19	3 31	12 8	6 2	6.19
R 20147	2 2	0 3	< 0.1	< 0.05	< 0.1	< 0.001	0 8	0.28	3 89	6 6	12.8	22.52
R 20148	4.6	0.7	< 0.1	< 0 05	< 0 1	< 0.001	1 9	0.18	5.10	5 8	12.6	20.24
R 20149	3 7	0.6	< 0.1	< 0 05	0.2	0.002	2.4	0 64	13.3	22.0	27.5	26.05
R 20150	3 6	0.5	< 0.1	< 0.05	< 0 1	< 0.001	2 6	0.49	12 6	23.5	15 8	22.08
R 20151	2 9	0.4	< 0 1	< 0 05	< 0 1	< 0.001	2 0	0 38	10 3	23.8	11.9	16.46
R 20152	2.8	0.4	< 0 1	< 0 05	< 0.1	< 0 001	1.2	0 24	5 82	8.7	9 4	18.62
R 20153	3.5	0 5	< 0 1	< 0.05	< 0 1	< 0 001	1.2	0.21	3.84	4.3	11.5	31 93
R 20154	3.4	0.5	< 0.1	< 0 05	0.1	0 002	1.6	0 39	8 35	9.1	13.9	22 81
R 20155	5.6	0 8	< 0.1	< 0 05	< 0 1	0 007	1.9	0.17	4 67	3.6	13.5	35.16
R 20156	3.6	0 6	< 0 1	< 0 05	< 0 1	< 0 001	1.3	0 34	11 2	13 0	15.6	23 73
R 20157	2.9	0.4	< 0.1	< 0.05	< 0 1	< 0 001	0 7	0.21	6.12	9 6	9.5	11.07
R 20158	4.5	0 6	< 0.1	< 0 05	< 0 1	< 0 001	1 1	0 70	6.09	3.9	33.4	31.87
R 20159	3.2	0 5	< 0.1	< 0.05	< 0.1	< 0 001	0 7	0.33	4.85	4.9	15.0	29 50
R 20160	4.6	0 6	< 0.1	< 0.05	< 0.1	0.002	1.7	0.26	5 80	5 6	17.8	28.61
R 20161	5.4	0.8	< 0 1	< 0.05	< 0.1	0.003	1.7	0 21	5 52	6 6	19.8	32.08
R 20162	4.4	0.7	< 0 1	< 0.05	< 0.1	0.002	1.2	0.18	6 87	6.7	16 5	24.22
R 20163	0.3	< 0.1	< 0.1	< 0 05	< 0 1	< 0.001	0.7	0 07	3.13	5 2	0.7	1.13
R 20164	5.3	0 8	< 0 1	< 0 05	< 0 1	< 0.001	2.1	0.25	4.06	6 3	8.2	30 32
R 20165	6.0	0 9	< 0.1	< 0.05	< 0 1	0 002	3.9	0.51	9.02	22 0	18.9	28 79
R 20166	2.8	0 4	< 0.1	< 0.05	< 0 1	0 001	1.4	0.30	7 26	10.1	7.8	23.74
R 20168	3.2	0.5	< 0 1	< 0 05	< 0 1	0 003	1 0	0 22	6 32	7 1	12.1	24.58
R 20169	3.4	0 5	< 0 1	< 0.05	0 1	0 007	1 5	0 44	7 96	16 0	34.4	27.27
R 20170	4.5	0.7	< 0 1	< 0.05	0.2	0 003	2.9	0.41	10.8	22 5	37.8	18.28
R 20171	2.3	0.3	< 0.1	< 0 05	< 0 1	< 0.001	1.6	0.29	6 83	17 8	8 8	11.61
R 20172	3.9	0.6	< 0.1	< 0.05	< 0.1	< 0.001	2 2	0 22	8 01	3.4	8 4	36.09
R 20173	5.9	0.9	< 0.1	< 0.05	< 0.1	0.003	2.8	0 18	4 57	6.1	12.0	30 09
R 20174	4 8	0 7	< 0.1	< 0.05	0.2	0.006	3.0	0 17	4 89	4 0	21.6	33.38
R 20175	2.6	0.4	< 0 1	< 0.05	< 0.1	0.002	2.5	0 12	4.34	7 5	7.6	16 98
R 20176	2.6	0 4	< 0 1	< 0 05	< 0 1	0 003	2.2	0 13	4.77	6.0	6 3	20.36
R 20177	2.2	0 3	< 0 1	< 0 05	< 0 1	< 0.001	1.2	0.15	5 11	3.4	8 2	30.98
R 20178	2.2	0.3	< 0 1	< 0.05	< 0 1	< 0 001	0.7	0.31	4 76	3 7	7.3	20.56
R 20179	3.3	0 5	< 0.1	< 0.05	< 0 1	< 0 001	2.7	0.21	5.70	17 2	19.1	11 46
R 20180	2.7	0.4	< 0.1	< 0.05	< 0 1	0 003	1 4	0.23	1.77	3 0	15 1	35.41
R 20181	2 3	0.3	< 0.1	< 0 05	< 0.1	< 0.001	2 5	0 21	3.61	3.4	28.8	29 46
R 20182	4.1	0.6	< 0 1	< 0 05	< 0.1	< 0.001	1.2	0.17	5 46	9 6	79.5	21.64
R 20183	2.8	0.4	< 0 1	< 0.05	< 0.1	< 0 001	2.0	0 30	4 78	5.7	38 0	26.72

Analyte Symbol	Yb	Lu	Hf	Ta	W	Re	Au	Tl	Pb	Th	U	LOI
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	%
Detection Limit	0.1	0.1	0.1	0.05	0.1	0.001	0 5	0.02	0 01	0 1	0.1	
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	GRAV
R 20184	2.3	0 3	< 0 1	< 0.05	< 0 1	< 0 001	2.6	0 14	5.12	2 8	20 0	27.01
R 20185	2.2	0 3	< 0 1	< 0.05	< 0 1	< 0 001	2 5	0 24	3 09	1 5	21.2	30.95
R 20186	3 6	0.5	< 0 1	< 0 05	< 0 1	< 0 001	2.7	0.12	4.57	2.8	11.4	24 11
R 20187	4 6	0.7	< 0.1	< 0 05	< 0 1	0 002	1.8	0.25	4.88	6.5	18.9	23 21
R 20188	3 2	0 4	< 0.1	< 0.05	< 0 1	< 0 001	1.5	0 13	3.91	3.8	7 6	33 68
R 20189	3.1	0.4	< 0.1	< 0 05	< 0 1	< 0.001	2.3	0.16	4 08	5 3	10 1	24 44
R 20190	2 4	0.4	< 0 1	< 0 05	< 0.1	< 0.001	2.2	0.41	6.95	14 8	11 7	23 43
R 20191	2 8	0.4	< 0.1	< 0.05	< 0.1	< 0.001	3.8	0 46	7.89	20 0	5 5	17 10
R 20192	0 6	< 0 1	< 0.1	< 0 05	0.5	< 0 001	27 5	0 12	8 56	12 0	1.1	10.42
R 20193	3 1	0.4	< 0.1	< 0.05	0.1	0 001	2.5	0 41	6 78	17 5	5 5	11 40
R 20194	4.1	0.6	< 0.1	< 0 05	< 0 1	< 0.001	3.1	0 33	7.17	12 6	5.0	21.43
R 20195	1.7	0.3	< 0 1	< 0 05	< 0 1	< 0.001	2 3	0 21	4.89	6.4	2.7	13 37
R 20196	2.9	0.4	< 0.1	< 0 05	0.1	< 0.001	2.7	0 16	4 81	4.6	5.7	13.35
R 20197	1.9	0.3	< 0.1	< 0 05	0.2	0.005	2.5	0 19	3.79	4.0	2.9	12.56
R 20198	3.9	0.6	< 0.1	< 0 05	< 0.1	0.002	2 9	0 19	6 42	5.9	8.2	16 22
R 20199	2.3	0.3	< 0.1	< 0 05	< 0.1	0.005	2.0	0 19	5 57	11.1	4.3	8 91
R 20200	3.3	0 5	< 0.1	< 0.05	< 0 1	0.002	3.6	0 54	11.4	35.1	9 9	12 22
R 20201	2.0	0 3	< 0.1	< 0.05	< 0 1	0 004	3 3	0 25	3.89	3.6	3 7	33.59
R 20202	1 9	0.3	< 0 1	< 0 05	< 0.1	0 003	3 4	0 55	4.25	6.8	5 0	28.83
R 20203	1 5	0.2	< 0.1	< 0 05	< 0 1	0.001	2 5	0 28	4.84	3.9	3 3	17.26
R 20204	1.3	0 2	< 0.1	< 0 05	0.1	0.001	2.3	0 26	5.31	4 9	4 0	16.79
R 20205	1.7	0.3	< 0.1	< 0 05	0.1	0.002	1.5	0 12	3 88	1 9	3 5	16 89
R 20206	1.8	0.2	< 0.1	< 0 05	< 0.1	< 0 001	2.0	0 29	5.59	4.7	4.2	26.05
R 20207	2.0	0 3	< 0.1	< 0.05	< 0.1	0.006	3 5	0 28	4.05	2.1	3.7	29 83
R 20208	3.2	0.5	< 0.1	< 0 05	< 0.1	0.003	2 3	0 57	4 78	2.7	3.4	37 88
R 20209	2.3	0 3	< 0 1	< 0.05	< 0.1	0.002	4 3	0 26	10.9	4.0	2.9	30 58
R 20210	3.7	0.6	< 0 1	< 0 05	< 0.1	0.004	2 9	0 39	6.15	6 3	5 6	22.61
R 20211	2 6	0 4	< 0.1	< 0 05	< 0 1	0.003	2 6	0 23	5.75	2.6	4 3	26.58
R 20212	2 7	0 4	< 0 1	< 0 05	< 0 1	0 002	2 1	0 14	6 09	1.7	4.6	36.73
R 20213	2.2	0 3	< 0 1	< 0 05	< 0.1	0.007	2 5	0 16	5.82	6.7	5.0	18.29
R 20214	1 2	0 2	< 0 1	< 0 05	< 0 1	< 0.001	3.5	0 12	4.36	2 3	2 0	17.02
R 20215	6.0	0 8	< 0 1	< 0 05	< 0.1	0.002	2 8	0.37	7.30	14.6	10.0	25.37
R 20216	1.6	0 2	< 0 1	< 0 05	< 0.1	0.003	2.5	0.21	5 31	6 4	3.5	16.65
R 20217	5.5	0 8	< 0 1	< 0.05	< 0.1	< 0 001	3.1	0 36	5 59	5 6	12 1	25 98
R 20218	2.9	0.4	< 0.1	< 0 05	< 0 1	< 0 001	2 4	0 29	4 08	4.7	7 5	28 68
R 20219	4.2	0 6	< 0 1	< 0 05	< 0 1	< 0.001	2 8	0 14	4.22	2.3	7 1	32 75
R 20220	5.0	0.7	< 0 1	< 0 05	0.1	< 0.001	1 7	0.19	4 61	10.5	8.4	9.59
R 20221	2.0	0.3	< 0.1	< 0 05	< 0 1	0 004	2 8	0 32	8 79	18.8	5 1	7.74
R 20222	3.8	0.6	< 0 1	< 0 05	< 0.1	< 0.001	1.5	0.35	7.58	6.5	6 1	24 38
R 20223	3.9	0 6	< 0.1	< 0 05	< 0.1	0.002	3.3	0 24	7 21	14 5	8.4	17.57
R 20224	3.8	0.6	< 0.1	< 0 05	< 0 1	0.003	1.8	0 36	6 37	8.9	5 0	17.26
R 20225	0.3	< 0.1	< 0 1	< 0.05	0.5	< 0.001	2 2	0 08	3.54	6.0	0.6	1 99
R 20226	2.5	0.4	< 0 1	< 0.05	< 0.1	< 0.001	2 4	0.41	7 24	19 4	4 1	14 32
R 20227	1.9	0.3	< 0 1	< 0 05	< 0 1	0.002	1.7	0.35	6.93	9.1	3 3	23.43
R 20228	2.7	0 4	< 0 1	< 0.05	< 0 1	0.004	2.7	0.44	5 54	10 7	5 1	22.23
R 20229	3.9	0.6	< 0.1	< 0 05	< 0 1	0.002	3 3	0 46	7.46	17.2	13 2	21.49
R 20230	4.1	0 6	< 0 1	< 0.05	< 0 1	0.004	2.5	0 22	5.73	9 0	8.9	23 72
R 20231	2.5	0 3	< 0.1	< 0 05	< 0.1	0.002	2.1	0 23	2.83	2 8	5 5	32 39
R 20232	5.3	0.7	< 0.1	< 0 05	< 0 1	0.003	1 7	0.23	5.46	8 8	12.1	23 17
R 20233	1.3	0 2	< 0 1	< 0.05	< 0 1	0.004	2 1	0.24	4 03	11 2	2.2	7 79
R 20234	3 4	0 5	< 0.1	< 0 05	< 0.1	< 0.001	3.3	0.36	3 11	9 4	8.3	23 02
R 20235	4 1	0 6	< 0 1	< 0.05	< 0.1	0.007	3.0	0.39	5.05	10 9	14.0	26.10

Analyte Symbol	Yb	Lu	Hf	Ta	W	Re	Au	Tl	Pb	Th	U	LOI
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	%
Detection Limit	0.1	0.1	0.1	0.05	0.1	0.001	0.5	0.02	0.01	0.1	0.1	
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	GRAV
R 20236	1.6	0.2	< 0.1	< 0.05	0.1	< 0.001	2.2	0.12	3.46	7.8	5.4	5.58
R 20237	1.8	0.3	< 0.1	< 0.05	0.2	0.003	1.8	0.29	6.91	12.7	10.6	14.51
R 20238	2.8	0.4	< 0.1	< 0.05	< 0.1	0.005	3.6	0.27	3.18	3.1	18.2	36.13
R 20239	3.2	0.5	< 0.1	< 0.05	0.2	0.003	2.4	0.29	7.00	12.4	39.5	20.24
R 20240	2.0	0.3	< 0.1	< 0.05	0.1	0.001	2.4	0.15	5.34	15.7	11.1	6.57
R 20241	1.2	0.2	< 0.1	< 0.05	0.1	0.001	0.8	0.10	3.39	7.5	4.5	10.17
R 20242	2.8	0.4	< 0.1	< 0.05	0.1	0.001	1.6	0.15	5.38	9.1	10.8	14.75
R 20243	2.7	0.4	< 0.1	< 0.05	< 0.1	0.002	1.5	0.11	4.89	8.2	7.3	24.28
R 20244	1.3	0.2	< 0.1	< 0.05	< 0.1	< 0.001	2.5	0.13	7.10	6.6	3.6	12.26
R 20245	2.0	0.3	< 0.1	< 0.05	< 0.1	0.002	1.7	0.16	7.76	5.9	6.6	18.05
R 20246	2.9	0.4	< 0.1	< 0.05	< 0.1	0.001	2.2	0.10	4.56	3.5	8.7	36.84
R 20247	2.2	0.3	< 0.1	< 0.05	0.1	0.002	2.4	0.36	9.64	24.0	10.4	6.40
R 20248	3.5	0.5	< 0.1	< 0.05	0.2	0.008	3.1	0.56	11.7	32.4	19.5	18.61
R 20249	2.3	0.3	< 0.1	< 0.05	< 0.1	0.005	0.8	0.17	3.96	4.6	13.3	34.80
R 20250	3.4	0.5	< 0.1	< 0.05	0.2	0.005	3.3	0.23	6.24	5.5	23.1	22.59
R 20251	3.5	0.5	< 0.1	< 0.05	< 0.1	0.001	3.4	0.23	7.18	10.8	19.7	16.63
R 20252	2.8	0.4	< 0.1	< 0.05	< 0.1	0.002	2.7	0.17	5.71	4.7	13.0	19.29
R 20253	2.9	0.4	< 0.1	< 0.05	< 0.1	0.003	2.9	0.17	5.12	6.8	7.5	34.55
R 20254	4.0	0.6	< 0.1	< 0.05	0.1	0.001	2.7	0.50	9.56	7.9	17.3	20.41
R 20255	5.8	0.8	< 0.1	< 0.05	< 0.1	0.004	3.9	0.91	5.30	6.7	26.5	29.72
R 20256	2.6	0.4	< 0.1	< 0.05	< 0.1	0.002	2.2	0.25	6.37	4.8	14.2	27.53
R 20257	4.3	0.6	< 0.1	< 0.05	< 0.1	0.007	2.7	0.32	12.7	6.2	55.9	29.96
R 20258	4.9	0.7	< 0.1	< 0.05	< 0.1	0.005	2.0	0.32	8.85	4.8	26.2	30.56
R 20259	5.0	0.7	< 0.1	< 0.05	< 0.1	0.002	2.7	0.20	7.77	2.8	21.7	35.43
R 20260	3.2	0.5	< 0.1	< 0.05	< 0.1	< 0.001	2.5	0.22	5.14	1.5	23.7	30.00
R 20261	3.8	0.5	< 0.1	< 0.05	< 0.1	0.004	2.1	0.24	5.94	1.4	15.8	33.61
R 20262	5.9	0.9	< 0.1	< 0.05	< 0.1	0.005	2.1	0.30	7.30	4.3	22.6	27.23
R 20263	5.9	0.9	< 0.1	< 0.05	< 0.1	< 0.001	3.1	0.22	9.63	7.1	24.8	36.46
R 20264	3.3	0.5	< 0.1	< 0.05	< 0.1	0.036	1.8	0.22	4.00	2.2	13.5	39.75
R 20265	2.6	0.4	< 0.1	< 0.05	< 0.1	0.016	2.4	0.20	3.29	1.6	10.8	29.59
R 20266	3.7	0.6	< 0.1	< 0.05	< 0.1	0.001	2.1	0.19	5.03	3.9	14.3	30.28
R 20267	3.7	0.6	< 0.1	< 0.05	< 0.1	< 0.001	2.9	0.13	5.99	6.1	13.0	17.43
R 20268	0.4	< 0.1	< 0.1	< 0.05	0.4	0.001	2.0	0.07	3.70	6.0	0.8	1.82
R 20269	3.1	0.5	< 0.1	< 0.05	< 0.1	0.005	1.6	0.18	10.2	3.9	16.6	18.85
R 20271	2.5	0.4	< 0.1	< 0.05	< 0.1	< 0.001	1.7	0.21	7.54	4.3	10.9	24.31
R 20272	1.8	0.3	< 0.1	< 0.05	< 0.1	< 0.001	2.3	0.20	4.35	5.3	6.8	28.57
R 20273	2.9	0.5	< 0.1	< 0.05	< 0.1	< 0.001	3.3	0.15	4.61	3.4	7.0	35.21
R 20274	1.8	0.3	< 0.1	< 0.05	0.1	< 0.001	1.6	0.26	7.33	5.0	6.4	16.21
R 20275	2.0	0.3	< 0.1	< 0.05	0.1	< 0.001	1.4	0.28	5.00	9.4	8.1	14.99
R 20276	1.8	0.3	< 0.1	< 0.05	0.1	0.001	6.3	0.14	3.28	7.1	5.7	15.70

Quality Control

Analyte Symbol	Li	Be	B	Na	Mg	Al	K	Bi	Ca	Sc	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Rb	Sr
Unit Symbol	ppm	ppm	ppm	%	%	%	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.1	0.1	1	0.001	0 01	0 01	0.01	0.02	0 01	0.1	1	0.5	1	0 01	0.1	0 1	0.01	0 1	0.02	0 1	0 1	0 1	0 1	0.5
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
GXR-1 Meas	5.0	0.8	13	0.035	0.14	0.36	0.03	1610	0.79	1.4	70	7.6	760	25 3	7.7	39.6	1080	751	4 35		402	16 1	2.2	200
GXR-1 Cert	8.20	1.22	15 0	0.0520	0 217	3.52	0.0500	1380	0.960	1.58	80.0	12.0	852	23.6	8 20	41 0	1110	760	13.8		427	16.6	14 0	275
DH-1a Meas																								
DH-1a Cert																								
GXR-4 Meas	8.4	1 6	4	0.116	1.45	2 65	1.85	18 7	0.79	5 8	69	53.7	120	3.10	14 4	40 2	6010	68 8	10 1		91.1	5.7	92 2	67.7
GXR-4 Cert	11.1	1.90	4.50	0.564	1 66	7.20	4.01	19 0	1.01	7 70	87 0	64.0	155	3.09	14 8	42.0	6520	73 0	20 0		98 0	5 60	160	221
LKSD-1 Meas																								
LKSD-1 Cert																								
GXR-6 Meas	24 0	0 9	6	0 054	0.38	7 00	1 14	0.17	0 12	22.6	165	77.8	870	5.58	13.8	25 6	67.3	121	16 7		213	0.4	67.7	27.8
GXR-6 Cert	32 0	1.40	9 80	0.104	0.609	17 7	1.87	0.290	0 180	27.6	186	96.0	1010	5.56	13.8	27 0	86 0	118	35.0		330	0 940	90.0	35 0
LKSD-3 Meas																								
LKSD-3 Cert																								
OREAS 13b (4-Acid) Meas															49.5	2340	2290				49.2			
OREAS 13b (4-Acid) Cert															75	2247	2327				57			
R 20143 Orig	18 6	1.1	5	0 055	0 55	2.14	0.25	0.05	0.29	3.0	37	20.6	198	1 64	9.1	17.9	85 4	99 0	5 36	0.8	2.5	2.9	36 9	25 8
R 20143 Dup	17 4	0 8	3	0 051	0 57	2 28	0.26	0.04	0.28	2.8	35	21 3	209	1 71	9.5	17.3	93.3	99.6	5 53	0.7	0.4	3.2	36 1	24.8
R 20147 Orig																								
R 20147 Dup																								
R 20157 Orig	18.7	0 7	3	0.060	0.65	1.65	0.25	0.06	0 38	3.8	43	51.7	220	1.99	9 1	19 3	89.1	88 3	5 89	0.4	2.3	1 8	30 8	38 3
R 20157 Dup	19.9	0.7	3	0.060	0 63	1 62	0.27	0 05	0.42	3.9	42	51 7	225	2 10	9 9	20 3	91.0	86 4	5 90	0.4	1.5	2 0	32 4	39 3
R 20171 Orig	17 5	0.6	4	0 052	0.73	1 98	0.34	0 05	0 32	4 2	48	25 1	658	4 17	18 5	17 6	59 2	111	6.76	0.3	1 6	1.6	37 1	37 2
R 20171 Dup	18.6	0.5	4	0.055	0 70	1 94	0.33	0 05	0.32	4 2	51	25 4	645	4 01	18 6	18 5	60.8	112	7 04	0.3	1 1	0.7	37 7	37 8
R 20177 Orig																								
R 20177 Dup																								
R 20185 Orig	4.4	0.3	3	0.076	0 17	1 22	0.09	0.06	0 36	1.0	11	17 6	67	0.72	4 0	12 5	88 9	79.7	2.14	0.4	0 9	1.1	7.2	36 5
R 20185 Dup	4.6	0 3	4	0 075	0.17	1 17	0.08	0 05	0 38	1 2	13	17.7	64	0 69	3 8	12.7	92 2	81.6	2 01	0.3	2 0	1.4	7.1	38 8
R 20206 Orig																								
R 20206 Dup																								
R 20208 Orig	5.8	0 4	9	0.050	0.19	2 78	0.12	0.04	0 26	1.7	25	17.7	335	5.45	10 8	12.5	73.5	65 6	2 72	0 5	1 4	2 9	13 0	16.3
R 20208 Dup	5.2	0 5	9	0 045	0.19	2.57	0.11	0 04	0 24	1.5	25	17 2	317	5 15	10 3	11 8	74.9	65 9	2 76	0.5	2 4	3 4	12.4	15 2
R 20222 Orig	15.5	0 4	5	0.090	0 56	2 34	0.34	0.06	0.39	2.8	38	42.7	215	2.31	9.6	16.8	90.0	79.7	5 44	0.5	1 3	1.7	37.2	29.3
R 20222 Dup	15 2	0 5	5	0 091	0.55	2.22	0.30	0 05	0 36	2.8	40	42.4	205	2.19	8.9	16.6	86 8	81 8	5 48	0.5	2 5	1 7	35 5	27.9
R 20235 Orig	11.3	0 9	4	0 058	0.42	1.79	0.23	0 05	0 44	3.6	36	28 4	161	2.21	9.2	17 6	121	144	4 12	0.6	1 1	1 2	21.7	38.6
R 20235 Dup	11.0	0 7	4	0 059	0.44	1.87	0.24	0.05	0.42	3.5	35	30.0	170	2.29	9.1	17.7	119	145	4 27	0.5	1.8	1.5	22.1	37.5
R 20249 Orig	7 8	0 4	5	0.083	0.25	1.09	0.12	0.02	0.45	1.5	23	16 2	87	0 90	6.5	17.8	67 7	93 7	2.64	0 4	1 8	1 3	11 2	33.7
R 20249 Dup	7 2	0 3	4	0 063	0.24	1.08	0.11	0.02	0.41	1.4	17	15.9	86	0 87	6.3	16 8	62.0	87 0	2.54	0.4	1.0	1.4	10 5	31.0
R 20264 Orig																								
R 20264 Dup																								
R 20265 Orig	7 5	0 3	9	0.046	0 28	1.17	0 13	0 05	0 49	1.4	18	19.6	154	1 95	18.3	20.6	74.5	68 1	2 25	0.4	0.9	6 9	10.7	31 6
R 20265 Dup	6 6	0 3	9	0 043	0 26	1.08	0 12	0 04	0 43	1.1	17	18.5	144	1 78	16.3	18.0	89.1	64 4	2.19	0.4	1.6	5 4	9.7	28 5
Method Blank Method Blank	< 0 1	< 0 1	< 1	< 0 001	< 0 01	< 0.01	< 0.01	< 0 02	< 0 01	< 0.1	< 1	< 0 5	< 1	< 0 01	< 0 1	< 0 1	< 0 01	< 0 1	< 0 02	< 0.1	< 0.1	< 0.1	< 0 1	< 0.5

Quality Control

Analyte Symbol	Y	Zr	Nb	Mo	Ag	Cd	In	Sn	Sb	Te	Cs	Ba	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	0 01	0.1	0.1	0 01	0 002	0 01	0.02	0.05	0.02	0 02	0.02	0.5	0 5	0 01	0.1	0.02	0.1	0.1	0 1	0.1	0.001	0.1	0.1	0.1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
GXR-1 Meas	26 8	17.5	0.4	18 1	30 9	2.62	0.74	25.2	86 8	13.9	2.89	298	4.9	12.3		8 81	2.5	0 6	3.8	0.7	4.51			0 4
GXR-1 Cert	32.0	38.0	0.800	18.0	31.0	3.30	0.770	54 0	122	13.0	3.00	750	7.50	17.0		18.0	2.70	0.690	4 20	0 830	4 30			0.430
DH-1a Meas																								
DH-1a Cert																								
GXR-4 Meas	10 9	10.3	0 3	300	3 27	0 05	0.20	5 37	2.92	0.93	2.39	21.3	50 0	96.1		37.1	5.9	1.3	4.4	0 5	2.41			0.1
GXR-4 Cert	14 0	186	10.0	310	4.00	0 860	0.270	5.60	4 80	0.970	2.80	1640	64.5	102		45.0	6 60	1.63	5.25	0.360	2.80			0.210
LKSD-1 Meas																								
LKSD-1 Cert																								
GXR-6 Meas	6.41	11.9	0 1	1 42	0 294	0.11	0.06	0.98	1 59	0 07	3.65	851	11.5	33.8		11.5	2.3	0.6	2.0	0.3	1.50			0.1
GXR-6 Cert	14.0	110	7.50	2.40	1 30	1.00	0 260	1 70	3.60	0 0180	4.20	1300	13.9	36.0		13 0	2.67	0.760	2 97	0.415	2 80			0 0320
LKSD-3 Meas																								
LKSD-3 Cert																								
OREAS 13b (4-Acid) Meas				8 28	0 824																			
OREAS 13b (4-Acid) Cert				9 0	0.86																			
R 20143 Orig	59.5	3 1	1.8	3.12	0 267	0.45	< 0.02	0.39	0.03	< 0 02	1.84	96 6	418	834	123	461	58.8	8 2	33.6	3 0	13.3	2.3	5 8	0.8
R 20143 Dup	59.6	3 0	1.8	3.13	0 529	0.46	< 0.02	0.45	< 0 02	0.05	1 87	104	406	807	120	465	58 3	8.2	34.2	2 9	12.9	2 2	5.6	0 7
R 20147 Orig																								
R 20147 Dup																								
R 20157 Orig	36.8	2.5	1.7	6 05	0.219	0 22	< 0.02	0.57	< 0.02	< 0 02	1.44	95.4	168	294	46 6	170	23.3	3.6	15.1	1 5	7.36	1 3	3 6	0 5
R 20157 Dup	37.4	2.8	1.9	6.61	0.254	0 16	< 0.02	0.55	0 03	< 0 02	1.53	101	174	301	47.2	172	23 8	3.6	15.9	1.6	7.63	1.3	3 5	0 5
R 20171 Orig	27.3	2.8	1 0	7.22	0.071	0.24	< 0.02	0.56	0 03	< 0 02	1.42	117	159	301	42 0	153	20.5	2.9	12.9	1 2	5.62	1.0	2 6	0 4
R 20171 Dup	27.3	2.8	1.1	6.78	0 070	0.26	0 02	0.54	0.04	< 0 02	1 42	119	164	308	42 9	154	20 2	2.9	12.3	1 2	5.66	1.0	2 8	0 4
R 20177 Orig																								
R 20177 Dup																								
R 20185 Orig	27.3	1.3	1.1	1.68	0 186	0.35	< 0.02	0 30	0.05	< 0.02	0.64	86.2	145	276	40.5	156	21 8	3 4	13 5	1.3	5.87	1.0	2.6	0.3
R 20185 Dup	27.6	1 8	1.2	1 55	0.197	0 40	< 0.02	0.20	0.04	< 0.02	0.68	70.6	149	287	42.3	159	22.5	3.5	13.8	1 3	6.05	1.1	2.7	0 4
R 20206 Orig																								
R 20206 Dup																								
R 20208 Orig	43 8	2 3	1 0	3.34	0.453	0.43	< 0.02	0.22	0.04	0.05	0.35	60.5	334	774	79 7	274	33.4	4.8	21 6	2 0	9.52	1.6	4 0	0 6
R 20208 Dup	43.3	2.1	0.9	3.27	0 383	0 49	< 0.02	0.20	0.05	0.05	0.34	56 2	332	777	81 0	278	33.3	4.7	20.6	2 0	9.22	1.6	4 2	0.6
R 20222 Orig	54 5	2 3	2.0	7 09	0 325	0.38	< 0.02	0.62	0 03	0 04	1.13	84.3	262	465	62.6	223	29.8	4 3	20 9	2.1	10 3	1 9	4.8	0 7
R 20222 Dup	54 0	2 4	2 0	6.80	0 318	0 46	< 0.02	0 44	0 03	< 0 02	1.05	80.0	253	454	61.2	218	28 9	4.1	19.6	1.9	9 71	1.8	4.8	0 6
R 20235 Orig	55 2	4.3	2 7	9 48	0 255	0 96	< 0 02	0.40	0 02	< 0.02	0 96	73 8	314	432	86 6	317	43 1	5 9	26.4	2 5	12.1	2 1	5.5	0 7
R 20235 Dup	56.0	4.4	2.9	10.2	0 246	0.84	< 0.02	0.37	0.04	< 0 02	0 92	74 0	306	418	83 5	311	42.3	5.8	26.8	2 4	11.4	2.0	5.3	0 7
R 20249 Orig	35.1	2.6	1 1	4.25	0 256	0.56	< 0.02	0.25	< 0.02	0 10	0.62	50.5	234	289	54.0	186	23.6	3.2	14.1	1 3	6.46	1 2	3.2	0.4
R 20249 Dup	33.1	2.6	1 1	4.09	0 240	0.59	< 0.02	0.18	0 03	0.05	0 58	44 8	211	265	49 2	174	21 7	3.0	12.8	1 2	5 72	1.0	2.8	0 4
R 20264 Orig																								
R 20264 Dup																								
R 20265 Orig	41 5	1.5	0.8	13.3	0 287	0 45	< 0.02	0.19	0.03	< 0.02	0.70	27.0	233	288	53 6	189	24.4	3.5	15 2	1.4	7 11	1 3	3 4	0.4
R 20265 Dup	38.6	1.2	0 7	12.4	0 282	0.46	< 0.02	0 18	0 02	0 02	0.66	26.2	216	270	50 3	179	22.7	3.3	13.9	1 3	6.65	1.2	3 3	0 4
Method Blank Method Blank	< 0 01	< 0.1	< 0 1	< 0 01	< 0 002	< 0.01	< 0.02	< 0.05	< 0 02	< 0 02	< 0 02	< 0.5	< 0 5	< 0 01	< 0 1	< 0.02	< 0.1	< 0 1	< 0.1	< 0 1	< 0.001	< 0 1	< 0 1	< 0.1

Quality Control

Analyte Symbol	Yb	Lu	Hf	Ta	W	Re	Au	Tl	Pb	Th	U	LOI
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	%
Detection Limit	0.1	0 1	0.1	0 05	0.1	0 001	0.5	0.02	0.01	0.1	0.1	
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	GRAV
GXR-1 Meas	2.1	0 3	< 0 1	< 0 05	162		3370	0 33	751		35.0	
GXR-1 Cert	1.90	0.280	0 960	0 175	164		3300	0.390	730		34.9	
DH-1a Meas										> 200	2610	
DH-1a Cert										910	2630	
GXR-4 Meas	0.8	0 1	0.2	< 0.05	11 5		516	2 53	46.9	19 6	5 0	
GXR-4 Cert	1 60	0.170	6 30	0 790	30.8		470	3 20	52 0	22.5	6.20	
LKSD-1 Meas												23 40
LKSD-1 Cert												23 5
GXR-6 Meas	0.7	< 0 1	< 0 1	< 0.05	< 0 1		48 0	1 71	103	4.9	0 9	
GXR-6 Cert	2.40	0.330	4 30	0.485	1.90		95 0	2 20	101	5 30	1 54	
LKSD-3 Meas												11 60
LKSD-3 Cert												11 8
OREAS 13b (4-Acid) Meas												
OREAS 13b (4-Acid) Cert												
R 20143 Orig	4 5	0 7	< 0 1	< 0 05	< 0 1	0.001	1.1	0.29	6 68	11.0	12.6	
R 20143 Dup	4 5	0.7	< 0 1	< 0.05	< 0.1	0.001	1.1	0 29	6 55	11.3	12 2	
R 20147 Orig												22.52
R 20147 Dup												22.52
R 20157 Orig	2 9	0 4	< 0.1	< 0.05	< 0.1	< 0.001	0.7	0 22	6 20	9.4	9.4	
R 20157 Dup	2 9	0.4	< 0 1	< 0.05	< 0 1	< 0.001	0.7	0.20	6.03	9.8	9.6	
R 20171 Orig	2 3	0.3	< 0 1	< 0 05	< 0 1	< 0.001	1 6	0 28	6 79	18.0	8.5	
R 20171 Dup	2.3	0.3	< 0.1	< 0 05	< 0 1	< 0 001	1 6	0 29	6 87	17.6	9.0	
R 20177 Orig												30.98
R 20177 Dup												30 98
R 20185 Orig	2.1	0 3	< 0 1	< 0.05	< 0.1	0.003	2.5	0 22	3 11	1.2	20.7	
R 20185 Dup	2 3	0 3	< 0 1	< 0.05	< 0.1	< 0.001	2.5	0 25	3.08	1.7	21.7	
R 20206 Orig												26 05
R 20206 Dup												26.05
R 20208 Orig	3.1	0 4	< 0 1	< 0 05	< 0 1	0 005	2.3	0 56	4.71	2 8	3 4	
R 20208 Dup	3 2	0 5	< 0 1	< 0 05	< 0 1	0.001	2 3	0 59	4 84	2.6	3 4	
R 20222 Orig	3.7	0.6	< 0 1	< 0 05	< 0 1	< 0 001	1.5	0 34	7 82	6 8	6 3	
R 20222 Dup	3.8	0.6	< 0.1	< 0 05	< 0 1	< 0.001	1.5	0 35	7 35	6.2	5.9	
R 20235 Orig	4.3	0.6	< 0.1	< 0 05	< 0 1	0.007	3.0	0.41	5 24	11.2	14 5	26 10
R 20235 Dup	3.9	0.6	< 0.1	< 0 05	< 0.1	0.006	3.0	0.38	4.86	10.6	13.6	26 10
R 20249 Orig	2 4	0 4	< 0 1	< 0 05	< 0.1	0.003	0.8	0.18	4.15	5.8	14.0	
R 20249 Dup	2.2	0 3	< 0.1	< 0 05	< 0.1	0.007	0.8	0 16	3 77	3.4	12.5	
R 20264 Orig												39 75
R 20264 Dup												39 75
R 20265 Orig	2 6	0.4	< 0 1	< 0.05	< 0.1	0.017	2 4	0 20	3 36	1.7	11.1	
R 20265 Dup	2 6	0.4	< 0 1	< 0 05	< 0.1	0.014	2.4	0.20	3.23	1 4	10.5	
Method Blank Method Blank	< 0 1	< 0.1	< 0 1	< 0.05	< 0.1	< 0 001	< 0.5	< 0 02	< 0 01	< 0 1	< 0.1	

Quality Analysis ... **Actlabs** *Innovative Technologies*

Date Submitted: 22-Sep-10
Invoice No.: A10-6264
Invoice Date: 13-Oct-10
Your Reference:

Techni-Lab Abitibi Inc.(Actlabs)
184 Rue Principale
Ste-Germaine-Boule Quebec J0Z 1M0
Canada

ATTN: Andre Caouette

CERTIFICATE OF ANALYSIS

185 Pulp samples were submitted for analysis.

The following analytical packages were requested: Code 4F-LOI LOI
Code UT-1-0.5g Aqua Regia ICP/MS

REPORT **A10-6264**

Notes:
Assays are recommended for values >10,000 for Cu and Au.

CERTIFIED BY :

Emmanuel Eseme , Ph.D.
Quality Control

ISO/IEC 17025
SCC Accredited
LAB 266
LAB 266
Accrédité CCN

Activation Laboratories Ltd. Report: A10-6264

Analyte Symbol	Li	Be	B	Na	Mg	Al	K	Bi	Ca	Sc	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Rb	Sr
Unit Symbol	ppm	ppm	ppm	%	%	%	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.1	0 1	1	0.001	0.01	0.01	0.01	0.02	0 01	0 1	1	0.5	1	0 01	0.1	0.1	0.01	0.1	0.02	0.1	0.1	0.1	0.1	0 5
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
R 20277	7.8	0 5	1	0.034	0 26	1.32	0.12	0.03	0.38	1.0	17	31.0	112	1.20	5.5	13.4	69.7	154	2 39	0 3	0 3	1.9	11.3	29 7
R 20278	8.2	0.3	2	0 029	0 32	1.03	0.14	0 04	0 38	1 4	17	31 8	128	1.39	5.3	11.2	33.8	71.8	2.68	0 2	1 0	1.0	12 4	26 0
R 20279	9.1	0.4	6	0 029	0 29	1.42	0 14	< 0.02	0.32	1 2	18	14.3	99	1 32	5.5	17 8	116	77.1	2.93	0 4	1.1	1.7	17.5	22.5
R 20280	8.3	0.3	2	0.028	0 27	1.09	0 13	0 04	0.31	1 8	19	36.0	250	1.95	15 5	9.5	47.4	57 6	2 64	0.2	0.6	1.2	13.4	19 4
R 20281	7.8	0.3	3	0.033	0 24	1.32	0 12	0 03	0 39	1 5	18	33.5	98	1.46	5 2	14.5	95 4	55 0	2 61	0 3	0 6	1 6	13.1	25 3
R 20282	17.5	0.3	< 1	0.038	0 68	1.48	0.32	0.04	0 44	3.1	39	26.3	405	3 05	12 2	15.0	40.8	88 8	6 04	0 2	< 0.1	1.0	34 8	36 0
R 20283	21.9	0.5	7	0 046	0.61	1.84	0.34	0.02	0 37	2.3	22	19 0	210	1.68	10.2	23.8	119	119	5.77	0.4	0.4	1.6	54 5	30 7
R 20284	10 3	0 4	3	0 026	0 29	1.18	0.12	< 0 02	0.29	1 1	17	19 8	99	1.15	6 3	17.3	72.8	78 0	2.95	0 3	0.9	1.9	15 5	22.6
R 20285	12.5	0 7	4	0 036	0 37	2.61	0 19	0.02	0 29	2 7	31	22 6	230	5.34	12 9	15.4	130	88 5	4.21	0.7	0.8	3.1	24 4	20 9
R 20286	6.7	0.5	2	0.027	0.20	2.35	0.10	0.02	0 28	1.1	18	22.2	122	1 51	8 5	13.0	146	54.7	2.95	0 5	0.2	2 0	11 1	19 7
R 20287	8.2	0.3	2	0.035	0.30	1 06	0.12	0.04	0.34	1 6	22	34.1	115	1.35	5.4	13 8	49 8	68.5	3.26	0 4	0.7	1.5	12 7	28 5
R 20288	13.3	0 7	5	0.035	0 39	2.31	0.18	0.05	0.28	2.1	33	22 1	216	3.49	11 2	15.7	118	103	4.48	0.7	0.4	3 4	24 5	23.7
R 20289	8.8	0 4	4	0.030	0 24	1.15	0.13	0 02	0.25	0.8	12	11 6	88	0.91	5 6	17.6	102	87.1	2.35	0.5	< 0.1	2.1	15.5	21 6
R 20290	13.2	0.7	3	0.034	0.45	1.69	0.19	0.05	0.24	2 2	30	30 0	161	2.06	7 6	14.7	66.4	105	4.58	0.5	0.9	1 2	25 7	26.5
R 20291	7.4	< 0.1	< 1	0.024	0 28	0.50	0.13	0 02	0.26	0.9	14	59.9	119	1.33	5.2	6.8	8.98	30.4	2.57	< 0 1	< 0.1	0.1	10 7	24 4
R 20292	12.9	0.5	2	0.031	0 43	1.08	0.20	< 0.02	0 30	1.5	20	18 3	148	1.43	6.2	14 9	40 6	108	3 54	0 2	0.2	0 9	21 5	26 5
R 20293	11.4	0.4	4	0.030	0 45	1 24	0.18	0 03	0 29	1.7	28	22 5	161	1 81	6 6	16.1	53.7	93 1	3.94	0 2	1 0	1.3	18.3	25.5
R 20294	19.2	0.8	4	0.041	0 58	1.55	0.28	0 05	0 36	2.3	34	30.8	183	1 70	9 7	23 1	130	130	5.08	0 5	< 0.1	1.9	35.2	30 3
R 20295	24.2	0.6	2	0.035	0.85	2.05	0 47	0 06	0 38	5.0	53	29.4	315	3 70	15 0	23 5	76 4	111	7 60	0 2	< 0.1	0.5	48.5	38 3
R 20296	15.7	0.8	3	0 034	0.51	2.04	0 24	0 05	0.25	3.2	35	29.7	219	2.89	10 4	19 9	109	153	5 26	0 5	0.9	2.8	28.0	25.2
R 20297	15.7	0.7	3	0 032	0 54	2.47	0.27	0.04	0.25	2 8	41	22 3	1980	3 90	34 5	18.3	122	127	5 82	0 5	< 0.1	3 0	34.5	24.7
R 20298	16.9	0.9	5	0 031	0.45	2.47	0.26	0 03	0.31	1.9	28	16 8	185	1.78	13.7	19 4	103	130	4 49	0 6	1 6	2 2	36 0	27.2
R 20299	6.7	0 5	2	0 027	0 22	1 24	0 12	0.03	0.33	1.2	14	11.1	93	1.16	5 1	12.8	52.7	135	2.13	0.5	0 3	1 3	13.2	25.8
R 20300	13.2	0 7	4	0 027	0 41	1.76	0 18	0 04	0.26	1 8	29	19.8	224	2.63	10 3	18 0	95.4	153	4.09	0.5	1.1	2.5	21 9	24.3
R 20301	10.7	0 9	7	0 027	0.36	1.72	0 14	0.05	0 29	1 3	27	20.0	167	1.49	7 0	13 9	99 7	84.6	3.65	0.5	1.0	2.7	17 6	23.2
R 20302	14 8	0 6	8	0 033	0.61	1 50	0.23	0.04	0 48	2 2	31	22.0	246	1 93	11 2	19.3	59.8	102	4.84	0.3	0.5	1.1	26 8	34 3
R 20303	11.9	1.0	5	0 030	0.41	2.33	0 17	0 04	0.31	1.9	29	18.0	158	2 39	8 4	17 9	109	96.6	4 05	0 6	0.6	2.5	23 6	23 9
R 20304	4 1	0 5	3	0 030	0.14	1 48	0 07	< 0.02	0.32	0.6	13	11.6	50	1 10	3 5	22 5	128	83 8	1.59	0.5	0 3	2 7	7 6	30 5
R 20305	26 0	1 0	5	0.033	0.63	2.18	0 35	0.04	0.31	2.9	39	23.2	202	2 26	9 6	26.1	252	138	5.88	1.0	0 7	3.7	57 6	26 1
R 20306	10.5	0.7	4	0 028	0.30	1.49	0 16	0.04	0.23	1.5	18	28 5	153	1 91	6 2	12 2	103	76 5	2 89	0.6	0 9	2 2	19.8	18.2
R 20307	20.0	0.8	3	0.031	0.58	2.14	0 31	0.04	0 19	3 1	31	20.4	184	2 58	8 4	14 1	93 9	104	5.94	0.6	0.5	1.4	47 0	21.0
R 20308	9 8	0.8	4	0 039	0.24	1.97	0.13	0.03	0 35	1 0	12	13 7	81	0.85	5 0	19 2	177	66 6	2 59	0.7	1.3	2 6	16.9	28.5
R 20309	11.6	0 4	2	0.038	0.35	1.76	0 19	0 03	0.34	2 4	24	21 4	128	1.62	8.0	21.0	153	169	3.32	0.8	0.9	2 3	22.1	30 2
R 20310	6.7	0.6	7	0.029	0.24	1.88	0.12	0 03	0.30	1.3	23	17.9	134	2.35	8.6	14.0	92 1	95.0	2.74	0 4	0.9	1 8	11.7	22.6
R 20311	8.9	0.5	7	0.031	0 28	1.75	0.14	0 03	0.31	1.7	27	18.5	159	2 93	8 7	11.8	86.5	115	2.96	0 4	< 0.1	1.3	14.6	25.4
R 20312	8.3	0.4	3	0 038	0.24	1 21	0.14	< 0 02	0.31	1.7	15	17.5	90	1 12	6.8	18.2	156	207	2.39	0 5	< 0.1	1.6	17.4	26 7
R 20313	9.3	0.7	3	0.027	0.33	1.66	0.15	0.04	0.25	2 1	27	20.6	161	3 42	6.4	10.2	75.7	87.6	3.32	0 4	0 3	1.5	16.4	20 8
R 20314	8.4	0.4	2	0 026	0.33	0.98	0.12	0 03	0.27	1.8	28	30.1	139	2 47	7 0	8.8	34.8	73 2	3 11	0.3	1.0	1 1	11 6	24 2
R 20315	18.6	0 5	2	0.031	0 70	1 40	0.30	0.03	0 40	3 6	38	27.8	243	3 15	10 1	16 3	50 2	102	6 25	0.3	0.4	0.5	32 1	33 3
R 20316	10.3	0.9	5	0 025	0.36	1.67	0.16	0 04	0.23	2.5	29	18.0	178	4.05	9 2	13.0	95.8	165	3.46	0 5	0.7	2.4	17.2	20.5
R 20317	6.4	0.3	1	0 024	0 23	0.82	0.10	< 0.02	0.21	1.3	8	39 4	120	0 99	3.7	6.5	26.3	41.6	2.02	0 3	1.1	0 1	9 3	15.5
R 20318	11.9	0.7	3	0.026	0.36	2 18	0.19	0.06	0.20	1 6	25	19.8	137	1 87	5.7	12.9	133	80 2	3.83	0.6	1.7	2.9	23 1	16.5
R 20319	7.7	0.1	< 1	0.029	0.29	0.55	0.15	0.02	0 27	0 8	14	63.7	128	1.42	5 3	7.1	9 81	32.5	2.64	0.1	< 0.1	< 0.1	11.6	24.5
R 20320	17.3	0.5	1	0 045	0 68	1.48	0.28	0.04	0 42	3 6	26	57 7	347	2 68	11 0	18.5	59.0	92.3	5.11	0 3	< 0.1	0.6	28 9	22.5
R 20321	8.2	0 5	1	0 026	0.22	1.29	0.12	< 0.02	0.27	0.9	12	9 9	77	0.81	5.0	11.2	85.5	96.2	2.17	0.4	1 5	2.0	13.9	19 5
R 20322	8 7	0.3	2	0.033	0 26	1.02	0.13	0.03	0.34	1.0	11	20 1	98	0.91	4 9	10.9	54.7	69.6	2 59	0 4	0.8	1.3	14 4	24.3
R 20323	31.0	0 7	3	0.038	0.77	2.49	0 50	0.05	0.41	4 7	35	24.0	255	2.55	15 8	34.1	220	267	7 24	0 8	0.6	2.7	63 1	35 1
R 20324	14.8	0.6	5	0.027	0 43	1.83	0 20	0.05	0.26	1.6	24	18.8	217	2.38	10 2	22.2	137	175	3 93	0.5	0.9	2.9	23.7	21.3
R 20325	35.3	0.7	3	0.038	0 99	2.90	0.55	0.07	0.29	4.8	53	42 3	359	4.33	16 7	41.9	169	173	9 74	0.5	< 0.1	2.3	67.0	30.5
R 20326	13.4	0.6	3	0 031	0.43	1.48	0.20	0 08	0.28	2.5	30	39 9	487	2.64	13 1	14.6	81.8	83 4	4.32	0.5	0.8	0.9	23 8	22 0
R 20327	7.7	0.4	4	0 024	0.22	1.57	0.11	0.04	0.28	0 7	12	14.9	85	0.94	5 5	21.5	123	69 0	2 30	0.5	0 7	2.3	13 4	17 2
R 20328	5.3	0 5	6	0 027	0.18	1 79	0.06	0 07	0.28	0 4	11	20.3	69	1 13	5 7	22.3	183	46.9	2.09	0 4	1.2	2.5	6 4	19 1

Activation Laboratories Ltd. Report: A10-6264

Analyte Symbol	Li	Be	B	Na	Mg	Al	K	Bi	Ca	Sc	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Rb	Sr
Unit Symbol	ppm	ppm	ppm	%	%	%	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.1	0.1	1	0.001	0.01	0.01	0.01	0.02	0.01	0.1	1	0.5	1	0.01	0.1	0.1	0.01	0.1	0.02	0.1	0.1	0.1	0.1	0.5
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
R 20329	8.7	1.0	5	0.019	0.33	2.21	0.12	0.04	0.26	1.4	31	19.4	240	3.74	17.0	24.0	187	125	3.30	0.7	0.4	3.1	12.9	16.9
R 20330	14.7	0.6	4	0.036	0.46	1.45	0.19	0.04	0.34	3.0	27	31.9	164	2.04	8.7	23.6	94.3	137	4.19	0.6	0.9	1.5	20.9	24.8
R 20332	13.5	0.5	2	0.030	0.44	1.25	0.20	0.03	0.31	2.4	23	35.9	164	1.51	7.1	14.9	67.4	95.8	3.97	0.5	1.4	1.7	22.6	20.0
R 20333	19.3	0.6	4	0.029	0.66	1.61	0.30	0.08	0.33	3.1	33	34.6	213	2.12	10.3	22.3	75.3	120	6.14	0.4	0.4	0.9	37.4	27.9
R 20334	31.3	0.6	2	0.034	0.92	1.88	0.42	0.05	0.34	4.9	41	62.5	289	2.71	15.7	40.1	163	199	7.28	0.5	< 0.1	1.6	49.6	33.0
R 20336	18.3	0.5	2	0.029	0.57	1.87	0.29	0.05	0.33	2.7	30	26.5	225	2.33	11.0	17.3	67.6	116	5.16	0.5	1.3	2.0	32.7	23.6
R 20337	14.1	1.1	4	0.033	0.50	2.55	0.28	0.10	0.26	3.0	37	33.7	218	3.53	11.1	16.0	136	139	5.31	0.5	0.7	1.8	33.6	20.4
R 20338	11.1	0.5	2	0.029	0.40	1.59	0.17	0.05	0.27	2.6	34	19.4	205	5.76	11.9	12.5	94.4	106	4.32	0.4	0.4	2.1	21.1	20.3
R 20339	11.6	0.5	3	0.030	0.35	1.81	0.21	0.03	0.31	2.6	28	23.9	137	2.60	7.7	19.8	155	125	3.85	0.6	0.4	2.5	27.1	24.1
R 20340	7.7	0.7	3	0.027	0.24	1.78	0.13	0.03	0.27	1.8	17	31.4	126	2.10	7.2	14.4	150	111	2.55	0.7	0.7	2.3	15.4	19.4
R 20341	4.8	0.6	3	0.034	0.19	1.82	0.10	0.03	0.29	1.8	20	19.7	96	2.59	7.1	16.2	103	156	2.15	0.6	1.0	2.1	10.6	23.9
R 20342	16.9	0.8	2	0.027	0.51	1.66	0.29	0.03	0.21	2.4	30	15.0	189	2.26	9.2	13.1	73.2	94.7	5.11	0.5	0.4	1.6	43.9	21.9
R 20343	12.3	0.6	4	0.026	0.43	1.59	0.19	0.04	0.24	1.1	21	13.3	137	1.38	5.3	12.9	88.1	91.0	3.38	0.3	0.7	1.7	24.1	19.7
R 20344	10.7	0.6	3	0.024	0.32	1.27	0.16	0.03	0.25	1.4	20	11.0	106	1.09	4.8	13.9	108	103	2.53	0.4	1.2	2.4	18.4	21.1
R 20345	10.0	0.6	5	0.027	0.35	2.19	0.18	0.05	0.24	1.6	37	24.9	271	3.13	11.1	13.0	104	90.9	3.55	0.4	1.0	2.4	18.0	19.2
R 20346	10.5	1.5	3	0.033	0.39	1.96	0.19	0.03	0.35	1.5	26	21.4	162	2.52	10.6	26.2	294	170	3.53	0.4	1.3	3.4	23.3	23.9
R 20347	9.8	0.5	2	0.023	0.32	1.29	0.15	0.02	0.22	1.6	17	15.3	110	1.22	5.9	13.9	91.3	70.1	2.90	0.3	0.5	1.0	22.9	19.3
R 20348	20.4	0.7	3	0.037	0.64	2.00	0.38	0.08	0.33	3.9	36	19.6	217	2.32	11.6	22.4	99.3	104	6.14	0.3	0.3	1.8	51.8	31.0
R 20349	13.2	0.8	2	0.024	0.44	1.59	0.21	0.04	0.29	2.3	24	29.0	158	1.57	6.6	14.8	94.2	94.3	3.98	0.4	0.2	2.2	23.8	28.5
R 20350	12.0	0.7	3	0.022	0.41	1.60	0.20	0.04	0.29	2.2	25	24.1	151	1.46	6.4	16.5	106	102	3.94	0.6	0.8	2.0	23.7	25.5
R 20351	5.6	0.9	3	0.015	0.20	2.12	0.09	0.04	0.24	1.7	28	12.8	860	9.70	35.1	8.9	65.2	63.9	2.97	0.4	0.6	2.1	11.4	21.0
R 20352	6.0	0.2	< 1	0.021	0.23	0.48	0.13	0.02	0.25	0.6	13	60.9	112	1.23	4.5	5.9	7.73	25.9	2.13	< 0.1	0.2	< 0.1	9.9	22.8
R 20353	9.4	0.7	4	0.026	0.33	2.50	0.18	0.04	0.25	1.8	29	20.1	274	3.35	13.8	14.8	223	87.8	3.79	0.6	0.5	3.6	20.4	21.8
R 20354	20.9	0.4	4	0.033	0.68	2.17	0.41	0.06	0.28	3.4	36	20.2	219	2.52	10.2	20.5	78.1	115	6.76	0.4	1.1	1.1	56.6	27.9
R 20355	3.9	0.3	3	0.026	0.10	1.15	0.06	0.04	0.37	0.5	8	9.3	68	0.77	3.2	10.6	60.6	59.4	1.27	0.4	1.1	2.1	8.8	21.1
R 20356	6.3	0.4	7	0.030	0.21	1.55	0.11	0.03	0.30	0.8	17	15.2	77	1.37	4.9	17.2	84.4	59.9	2.33	0.4	0.5	1.7	13.7	18.7
R 20357	7.2	0.4	7	0.022	0.23	1.61	0.13	0.04	0.28	0.7	26	15.7	76	1.48	4.0	13.8	101	60.7	2.62	0.4	0.9	2.1	17.3	17.8
R 20358	8.8	0.4	4	0.017	0.28	1.68	0.17	0.03	0.19	1.3	26	23.2	106	1.95	5.3	12.1	68.6	62.3	3.11	0.3	0.8	1.6	22.5	14.8
R 20359	9.8	0.5	2	0.028	0.30	1.72	0.17	0.04	0.29	2.2	26	41.4	147	2.23	6.0	11.7	97.7	58.8	3.16	0.4	1.5	1.1	18.0	21.0
R 20360	5.6	0.6	7	0.024	0.19	1.92	0.09	0.04	0.22	1.4	24	24.9	139	4.04	7.0	15.0	121	108	2.46	0.5	1.1	2.5	10.2	17.3
R 20361	20.1	0.5	2	0.037	0.69	1.91	0.38	0.04	0.37	4.4	44	29.8	387	3.13	13.0	20.3	80.5	122	6.83	0.3	< 0.1	0.7	42.8	44.8
R 20362	7.2	0.5	6	0.029	0.23	1.50	0.13	0.04	0.33	1.6	24	23.8	112	1.69	5.8	15.6	105	98.5	2.60	0.5	0.9	1.9	14.3	25.8
R 20363	19.2	0.6	3	0.035	0.66	2.07	0.38	0.05	0.39	3.7	39	24.9	295	2.99	13.3	19.7	95.9	119	6.06	0.5	1.5	1.6	43.4	38.4
R 20364	44.4	1.4	5	0.039	1.30	3.94	0.85	0.06	0.27	6.2	66	34.3	510	5.21	21.6	32.3	172	199	14.2	0.7	0.7	1.1	134	40.0
R 20365	10.0	0.7	3	0.026	0.33	1.74	0.16	0.05	0.15	1.6	25	14.5	208	3.19	8.6	9.3	74.2	72.7	3.60	0.5	0.6	2.1	24.3	17.0
R 20366	9.1	0.3	5	0.029	0.31	1.80	0.16	0.05	0.21	1.7	27	18.7	153	3.81	9.4	13.5	81.4	90.4	3.17	0.4	1.6	2.8	20.2	18.0
R 20367	8.0	0.3	3	0.020	0.31	1.06	0.16	0.03	0.28	1.4	31	30.2	135	2.48	6.3	12.0	43.0	79.9	3.18	0.2	0.7	0.8	14.8	18.6
R 20368	16.0	0.7	3	0.030	0.54	2.24	0.27	0.03	0.26	2.3	35	28.1	199	2.07	8.5	19.6	131	99.6	5.38	0.6	1.4	2.1	40.1	23.9
R 20369	11.1	0.4	2	0.025	0.38	1.33	0.19	0.04	0.24	1.9	31	21.7	162	2.21	6.9	14.0	67.7	92.4	3.88	0.3	0.9	1.2	22.6	22.0
R 20370	7.9	0.7	6	0.025	0.25	1.91	0.13	0.03	0.26	1.3	18	15.7	91	1.96	6.6	21.0	186	69.3	2.79	0.6	0.8	2.5	18.6	21.4
R 20371	5.4	0.4	4	0.027	0.20	1.28	0.08	0.04	0.35	0.6	12	16.7	59	0.83	6.6	25.5	271	49.6	2.03	0.4	1.1	2.5	8.8	21.9
R 20372	12.2	0.5	2	0.030	0.39	1.95	0.22	0.04	0.31	2.2	26	30.6	253	1.67	18.9	14.7	79.5	102	4.16	0.5	< 0.1	2.8	27.5	23.0
R 20373	5.6	0.1	< 1	0.019	0.22	0.45	0.12	< 0.02	0.22	0.7	11	58.5	104	1.13	4.1	5.7	7.76	24.1	2.08	< 0.1	0.5	< 0.1	9.6	22.1
R 20374	4.5	0.7	2	0.013	0.17	2.17	0.08	0.04	0.22	1.5	28	15.2	446	15.9	30.0	8.9	58.7	66.7	2.56	0.6	0.9	2.3	10.6	19.0
R 20375	4.7	0.6	4	0.025	0.18	1.43	0.09	0.04	0.18	0.8	22	18.3	95	2.26	3.8	6.8	68.4	84.6	1.92	0.3	1.1	2.1	9.8	16.9
R 20376	6.2	0.5	4	0.030	0.17	1.10	0.10	0.04	0.31	0.6	18	18.3	76	1.21	4.4	16.1	80.6	79.4	1.78	0.4	1.5	2.1	13.1	24.7
R 20377	9.3	0.6	2	0.021	0.30	1.50	0.17	0.03	0.18	1.6	21	207	130	1.67	6.7	17.3	70.8	75.6	2.98	0.4	1.1	1.6	23.1	14.8
R 20378	6.1	0.5	5	0.025	0.20	2.28	0.11	0.05	0.22	1.2	24	20.3	179	3.18	6.4	10.9	87.1	78.9	2.65	0.6	1.4	2.6	14.3	14.9
R 20379	10.6	0.3	4	0.030	0.34	1.39	0.18	0.03	0.28	1.3	21	18.0	110	1.44	5.7	17.7	69.1	74.5	3.34	0.3	0.7	1.6	23.7	18.6
R 20380	12.9	0.6	4	0.029	0.41	2.06	0.24	0.04	0.29	2.0	34	21.6	171	2.51	8.2	19.2	133	100	4.15	0.5	0.9	3.2	33.2	23.8
R 20381	8.4	0.3	3	0.037	0.31	0.97	0.16	< 0.02	0.44	1.7	14	17.3	109	1.18	6.3	18.8	76.9	71.1	2.61	0.4	0.8	1.5	17.2	41.2
R 20382	8.4	0.7	6	0.024	0.28	1.40	0.14	0.03	0.27	1.6	25	19.0	130	2.18	6.2	12.7	81.8	101	2.78	0.6	< 0.1	2.3	15.9	25.9

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Analyte Symbol	Li	Be	B	Na	Mg	Al	K	Bi	Ca	Sc	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Rb	Sr
Unit Symbol	ppm	ppm	ppm	%	%	%	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.1	0.1	1	0.001	0 01	0.01	0.01	0.02	0.01	0.1	1	0.5	1	0 01	0.1	0.1	0 01	0.1	0.02	0 1	0.1	0.1	0.1	0 5
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
R 20383	15 7	0.8	2	0.038	0.39	2 24	0.25	0.02	0.30	3.2	27	22 1	137	1.76	8.5	17.8	208	153	4 03	0.8	1.4	2.9	37 4	29 9
R 20384	3.8	0.5	6	0.033	0 16	1 46	0.06	< 0.02	0.37	0 4	7	14 0	63	1 12	4 0	12.5	99.3	70.0	1.86	0.6	1.1	2.1	7 0	26 6
R 20385	12 8	0 9	5	0.033	0 41	2.36	0 21	0.04	0.30	1 7	35	22.9	188	2.12	7.5	15.2	176	93.0	4.27	0 6	0.9	2 9	29 8	25.5
R 20386	21 5	0 6	4	0.045	0 62	1.49	0.36	0.03	0.36	2 7	32	28.2	212	1.89	8.5	21.3	69 0	109	5 63	0 3	< 0.1	1 5	45.8	35 7
R 20387	10 6	0 5	4	0 035	0 27	1.27	0.13	0.03	0.41	1 1	13	21 5	98	1.11	5.9	19.3	96.0	80 6	2 86	0 5	< 0 1	1.9	14.1	32.7
R 20388	10 9	0 3	2	0 029	0 42	1.22	0 20	0.03	0.32	1.9	24	32 1	158	1.56	7 3	15.0	53.5	73.3	3 68	0.2	1 4	0.7	19.1	27.2
R 20389	7.0	0.5	5	0.027	0.24	1 80	0.11	0.03	0.27	1 4	25	21.5	121	2 87	8 1	13.1	111	85.3	2.78	0 4	1.0	2 1	12 6	21 7
R 20390	19.3	0.6	5	0 054	0 55	1.80	0.26	0.12	0.38	2 2	30	48.7	174	1.80	11.1	32.3	160	113	4.95	0.6	0.9	2 2	42.5	34 3
R 20391	8.9	0.2	1	0.025	0 37	0.73	0.19	0.02	0 34	1.6	25	45 6	144	1.96	5 7	10.2	9 72	44 8	3 00	0 1	0.7	0 2	15.9	20.6
R 20392	17.4	0 7	2	0.030	0 73	2.40	0.35	0 04	0.32	3 5	43	27 5	268	3 31	11 8	17.3	123	112	6.16	0 6	0.9	2.6	40.2	28 7
R 20393	10 7	0.4	2	0.048	0.45	1 25	0 22	0 03	0.27	2 3	28	44 9	193	3 26	8 1	11.4	41.1	70 4	3 92	0 2	0.5	0.9	24 5	24 4
R 20394	34.9	0.6	3	0 058	0.96	2 88	0.88	0.07	0 31	4 7	47	24.9	364	3.97	17.6	28.1	116	185	9 47	0 5	0.9	2.3	102	35 4
R 20395	23.6	0.6	2	0 037	0 76	2.66	0.49	0 05	0 27	4.8	46	27 8	432	3.52	21.3	21.7	160	126	7.54	0 6	0.8	1.5	62 9	36 8
R 20396	19.2	0.4	2	0.039	0 76	1.55	0.45	0 04	0 48	4 1	48	23.0	344	2 86	14.6	17.6	41.8	90.8	7.01	0 2	< 0.1	0.4	49.0	49 5
R 20397	4.1	0 5	1	0.027	0 13	1.31	0.05	< 0.02	0 39	1 0	7	26.0	51	0 59	3 4	15.6	74.4	42.8	1.50	0 4	0.2	1.7	6.8	24 7
R 20398	11 7	0 4	3	0.035	0 39	1.67	0.21	0 10	0.31	2 2	25	28 3	144	2 40	10 3	31.4	208	151	3 55	0.4	0.9	1 8	23 1	25.6
R 20399	5 9	0.2	2	0.021	0 25	0.77	0.09	0 07	0 28	1 1	14	47 4	111	1 33	4 9	8.6	29 0	48.0	2 37	< 0 1	1.1	0.6	8 5	21 4
R 20400	36 1	0 8	4	0.051	1 26	3.25	0.69	0.07	0.69	7 4	78	37 8	511	6 03	20 8	31 2	63 7	171	10.9	0.1	0.8	0 4	60.4	72 9
R 20401	23.3	0 6	3	0.064	0 97	2 31	0 52	0 06	0 58	5 7	55	32 3	367	3 73	15 1	23 0	90 9	132	8 16	0.2	0.7	0 7	45 3	54 3
R 20402	10.4	0 6	3	0.046	0 42	1.50	0.20	0.04	0 46	3 6	30	53.8	157	2 05	9.9	22 5	207	140	3.70	0 2	1 7	1 0	18 7	35 8
R 20403	31.9	0.6	3	0.042	1 01	2.59	0.62	0.07	0 51	5 8	62	40.5	503	3.85	18.2	27.8	90 0	160	9.75	0 3	< 0.1	0 9	65.5	51 1
R 20404	13.9	0.7	3	0.035	0 42	2.19	0 23	0 04	0 38	3 2	32	39.5	164	1 86	8.1	19.6	168	128	4.02	0 4	1.6	1.7	23.1	26 9
R 20405	4.9	0 9	3	0.027	0 25	2 50	0.09	0 04	0 34	2 0	27	23 2	204	6.14	17.7	14.0	85 0	72 8	3.10	0 3	0.5	1.4	7.9	22 6
R 20406	22.4	0.6	3	0.034	0.80	2 53	0.46	0.05	0 34	4.9	55	51.0	402	4.31	15 6	21.0	120	120	7.98	0 4	1.0	0.4	52.3	27.6
R 20407	22.2	1.1	5	0.043	0.73	2.71	0 38	0.04	0 38	3.8	48	52.9	277	3.30	12 6	39 9	120	125	7 01	0 5	1.1	1 5	45.5	28.5
R 20408	10.7	0.5	8	0.031	0.33	2 33	0 18	0.03	0 41	1.8	23	18 3	120	1.96	6.9	23.2	123	77 9	3.74	0 3	1 4	2.4	21 8	24.4
R 20409	15.2	0 5	2	0 040	0.51	1.90	0.23	0.06	0.37	3 6	40	76.2	800	3 62	14 7	15.7	100	85 7	5.01	0 4	1 2	0.7	24 5	29 1
R 20410	18.6	0.7	5	0 037	0 54	2 19	0 29	0.05	0.36	2.8	35	24 5	188	1 93	8 8	22.5	130	112	5.25	0.5	1.2	2 5	35 1	27.4
R 20411	16.1	0.7	5	0.037	0.47	2 22	0 24	0 06	0.32	2 4	39	30.0	186	1 98	7.5	18.7	140	92 2	4 67	0 4	1.6	2 5	28.6	26.6
R 20412	15.2	0.5	2	0.037	0 47	1.74	0.28	0 04	0.37	2 5	28	26.0	174	1 65	8 0	20.0	93.1	141	4 59	0.4	1.5	1.9	27 3	24 9
R 20413	3.4	0.6	6	0 037	0.12	1.84	0.06	0 03	0.39	0 8	16	21.2	80	1 33	5 2	17 6	72.4	76 7	1.70	0.4	2.3	3 1	4 7	21 2
R 20414	16.4	0 7	4	0.036	0.50	2.26	0 23	0 05	0.37	2 7	35	47.3	182	2.13	13 9	57 9	255	128	4 59	0.5	1.5	2 3	22.2	32.6
R 20415	7.2	0 9	4	0.035	0.19	2.79	0 10	0.04	0 39	1.4	14	17 6	73	1.30	15.8	59.1	312	128	1 94	0 7	0.8	2 8	9.6	30.2
R 20416	4.5	0.5	4	0.026	0 13	1.56	0.05	0 05	0 39	0.9	8	18 7	42	0.86	10.8	53.5	216	205	1.38	0 4	0.9	1.4	4.9	25 6
R 20417	10.7	1.3	3	0.023	0.20	2 60	0.08	0 14	0.26	1.5	15	23 3	64	0.63	19.9	93.1	415	185	2.08	0 5	1.2	3.1	7.4	29 3
R 20418	10 2	0 4	5	0.047	0 34	1.38	0.16	0.05	0 50	2.4	28	27 9	124	1.48	9.0	27.1	148	113	3.29	0 2	0.3	1.5	15.4	30.7
R 20419	11.1	0.3	4	0 042	0.40	1 44	0 19	0.04	0.34	2 9	28	45 2	145	2.14	8 6	21 7	79.9	156	3 80	0.2	0.9	1.2	19 1	29.9
R 20420	10.4	0.5	8	0 053	0 41	1.61	0.20	0 05	0.37	3 5	40	53 1	192	3 28	13 8	20 9	76 3	142	4.42	0 1	1 0	1 6	18 3	28.6
R 20421	23.9	0.5	3	0 050	0 78	2.66	0 45	0 06	0 31	5 8	54	27 5	241	3.00	14 5	27.8	80 6	115	8.40	0 2	0.2	0 8	54 8	31 1
R 20422	34.7	1 0	5	0.055	1 05	3 10	0.64	0.04	0 43	6.5	63	22.6	319	3.24	16.7	24.4	180	160	9 65	0 5	0.8	1.9	85.1	42 3
R 20423	10 2	0 5	6	0.042	0 36	1 42	0.16	0.05	0 37	2.6	23	23.5	122	1.36	7.7	22 1	107	89.0	3 57	0.2	1 6	1 0	17 8	26 3
R 20424	13 7	0 7	3	0.027	0 47	1.54	0.21	0 05	0 33	4.4	34	46.2	297	2.40	11.0	20.9	92.9	93.5	4.89	0.2	1 3	0.4	20 6	34 5
R 20425	8.2	0.7	8	0.031	0.21	1.85	0.10	0 06	0.39	1.5	19	21.8	84	1.48	12 3	45.8	237	152	2.51	0 3	0.8	2.3	9 7	25 8
R 20426	6.7	0 5	6	0.042	0.23	2 00	0 13	0 04	0 33	1.4	21	20.6	124	4.70	9.9	18 0	140	154	2.41	0 4	1.9	2.0	12.5	21 7
R 20427	21.7	0.7	3	0 032	0 68	1 85	0.30	0 05	0 50	4.1	42	48 4	383	2.66	23 5	58.0	234	137	6 28	0 3	1.6	0.8	28 3	44 7
R 20428	3.7	0.9	6	0 038	0.11	2.21	0.05	0.03	0 53	0.9	14	21 3	54	1 25	8.7	53.6	269	151	1 62	0 4	0.6	2 7	4.4	31.5
R 20429	6.8	0.5	4	0 040	0 26	2.41	0.12	0.03	0 32	2 3	25	27.7	114	8 71	7 2	13.7	75 3	93.9	2 97	0.4	0.5	2 7	11 0	17.2
R 20430	18 6	0 7	4	0 045	0 55	2 00	0.24	0.03	0.41	3.3	32	45.1	206	1 72	10 0	22 4	98 8	164	4.72	0.5	1.3	1.8	24.9	28.0
R 20431	9.0	0.2	1	0 027	0 34	0 82	0.16	0.04	0 42	1.7	36	58.4	163	2 41	6.6	8.1	11.9	34 8	3.82	< 0 1	1 2	0.4	12 5	36.6
R 20432	8.7	0.4	5	0 036	0 29	1.47	0.15	0 04	0 33	1 2	20	23 7	120	1.75	6 1	16.0	72.6	91 0	2.83	0 3	1.4	2.0	13 6	20.4
R 20433	11 5	0 6	3	0.040	0.43	2 13	0.20	0.05	0.33	1.9	34	42 0	193	2.74	8 1	15.7	80 1	93 7	4.39	0 3	1.3	2.0	19 0	24.4
R 20434	38 8	0.8	6	0.063	1 23	3.22	0.69	0.07	0 36	5 6	56	36.7	353	3 75	17 4	44 9	157	168	9 87	0 3	0 4	1 5	97 3	31 0

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Analyte Symbol	Li	Be	B	Na	Mg	Al	K	Bi	Ca	Sc	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Rb	Sr
Unit Symbol	ppm	ppm	ppm	%	%	%	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.1	0.1	1	0.001	0.01	0.01	0.01	0.02	0.01	0.1	1	0.5	1	0.01	0.1	0.1	0.01	0.1	0.02	0.1	0.1	0.1	0.1	0.5
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
R 20438	8.5	0.6	3	0.041	0.34	2.20	0.15	0.02	0.50	2.4	25	31.5	178	1.44	9.2	18.9	114	171	3.29	0.4	1.6	2.3	14.4	31.0
R 20439	9.0	0.6	6	0.045	0.29	1.94	0.15	0.05	0.45	1.7	23	28.1	123	1.70	6.3	23.6	156	75.2	3.02	0.3	2.0	1.7	14.2	29.0
R 20440	8.4	0.4	3	0.032	0.37	1.27	0.14	0.08	0.34	2.4	28	49.0	175	4.49	12.1	11.9	53.8	80.0	3.64	< 0.1	0.7	1.6	12.6	28.3
R 20441	23.1	0.7	3	0.044	0.71	3.05	0.44	0.05	0.33	5.1	52	33.7	307	3.32	15.4	34.6	146	179	7.12	0.4	1.9	1.5	60.5	30.5
R 20442	4.9	0.4	2	0.023	0.16	1.68	0.09	0.03	0.30	0.9	15	44.4	68	0.86	4.2	14.5	74.4	39.8	2.55	0.2	< 0.1	1.3	7.9	21.5
R 20443	8.2	0.5	9	0.038	0.28	1.61	0.14	0.03	0.38	1.8	29	42.9	119	1.54	5.6	15.3	85.1	94.9	3.16	0.3	1.1	1.4	12.7	30.2
R 20444	17.0	0.4	2	0.033	0.64	1.56	0.32	0.04	0.49	4.4	54	38.6	388	3.49	11.6	14.2	50.8	80.8	6.35	0.2	0.9	< 0.1	32.5	47.6
R 20445	9.0	0.4	3	0.037	0.31	1.58	0.17	0.03	0.39	2.4	27	30.7	132	1.66	6.2	13.9	77.6	113	3.13	0.3	1.6	1.4	15.3	31.1
R 20446	8.4	0.2	< 1	0.029	0.34	0.79	0.16	0.04	0.39	1.5	27	55.9	157	2.04	5.9	7.4	11.2	34.0	3.48	< 0.1	0.3	< 0.1	11.9	36.9
R 20447	11.7	0.5	4	0.045	0.41	1.69	0.19	0.04	0.43	3.1	41	44.5	178	2.61	7.4	12.5	85.6	111	3.90	0.3	1.6	0.6	16.7	38.0
R 20448	10.7	0.5	5	0.041	0.38	2.03	0.20	0.04	0.37	3.2	40	44.1	231	5.86	19.3	14.5	96.6	111	4.06	0.3	1.1	2.3	17.7	33.2
R 20449	7.1	0.7	5	0.040	0.25	2.56	0.12	0.03	0.35	1.6	27	25.9	150	5.73	11.6	12.6	71.0	94.2	3.00	0.3	1.5	2.2	10.6	24.0
R 20450	11.1	0.5	5	0.050	0.37	1.70	0.19	0.03	0.39	1.4	20	18.3	114	1.38	6.1	14.2	88.5	93.5	3.62	0.5	1.1	0.8	21.8	31.1
R 20451	10.1	0.5	6	0.039	0.30	1.36	0.12	0.03	0.38	1.4	27	26.4	111	1.51	6.3	15.4	69.5	94.4	3.30	0.3	1.7	1.4	12.3	30.8
R 20452	5.0	0.8	2	0.038	0.14	1.98	0.08	0.03	0.35	1.3	13	40.0	70	0.86	4.4	14.6	189	112	1.94	0.6	1.7	2.9	8.3	25.9
R 20453	25.6	0.5	2	0.036	1.01	2.03	0.51	0.05	0.54	5.1	55	31.4	575	4.20	15.2	19.8	51.5	116	8.63	0.2	0.8	< 0.1	53.2	45.7
R 20454	26.8	0.7	3	0.041	1.09	2.15	0.56	0.06	0.54	5.4	54	31.3	368	3.21	13.4	22.9	61.9	133	8.94	0.3	1.5	0.5	57.4	48.3
R 20455	12.3	1.2	5	0.042	0.42	1.82	0.20	0.04	0.47	3.5	33	23.7	178	2.09	9.2	14.8	122	182	4.00	0.9	2.1	1.9	22.3	30.4
R 20456	9.3	0.8	4	0.036	0.31	2.54	0.18	0.03	0.33	2.5	25	31.7	130	1.78	7.3	23.6	157	85.5	3.35	0.8	0.9	2.8	19.0	22.4
R 20457	21.6	0.6	3	0.038	0.85	1.91	0.32	0.05	0.41	4.6	48	44.4	458	2.99	13.6	22.7	74.1	110	6.97	0.3	1.0	0.5	34.8	37.0
R 20458	27.4	0.7	2	0.042	0.99	2.19	0.60	0.03	0.56	5.2	57	33.1	358	2.88	16.9	23.3	56.5	130	9.05	0.2	0.6	0.8	61.0	44.2
R 20459	15.5	0.6	3	0.031	0.59	1.90	0.27	0.05	0.35	4.0	41	35.6	252	3.45	9.5	15.6	73.2	108	5.45	0.4	1.3	1.4	29.1	28.8
R 20460	9.7	0.4	2	0.046	0.31	1.31	0.18	< 0.02	0.39	2.0	15	25.3	114	1.34	5.0	16.4	92.3	119	3.18	0.4	1.1	1.2	19.5	30.0
R 20461	23.1	0.9	3	0.044	0.85	2.03	0.39	0.03	0.41	5.1	47	35.9	296	2.58	12.8	25.5	116	158	7.13	0.5	1.4	1.7	44.6	36.2
R 20462	11.6	0.6	14	0.035	0.42	2.25	0.20	0.02	0.33	3.2	29	18.9	144	3.58	9.1	20.2	121	128	4.12	0.7	2.2	2.6	28.0	20.7
R 20463	12.8	0.5	3	0.043	0.43	1.60	0.22	0.03	0.33	1.9	21	18.6	146	1.36	9.1	21.7	94.2	104	4.13	0.4	1.4	1.5	27.8	28.7
R 20464	11.8	0.7	4	0.060	0.47	1.52	0.12	0.10	0.41	2.5	23	31.0	124	0.96	6.8	27.1	186	84.6	3.29	0.7	1.6	5.1	14.6	22.9
R 20436	3.9	0.6	17	0.072	0.12	2.29	0.06	0.05	0.40	1.0	13	16.8	78	1.04	4.8	12.3	142	76.1	1.86	0.6	1.7	2.2	5.7	29.8
R 20437	11.5	0.6	3	0.040	0.45	2.01	0.18	0.06	0.35	2.2	33	60.6	174	1.55	5.7	13.9	116	65.6	4.40	0.5	0.7	1.7	18.7	28.3

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Analyte Symbol	Y	Zr	Nb	Mo	Ag	Cd	In	Sn	Sb	Te	Cs	Ba	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	0.01	0 1	0 1	0.01	0 002	0 01	0 02	0.05	0 02	0.02	0.02	0.5	0 5	0 01	0.1	0.02	0.1	0 1	0.1	0.1	0.001	0 1	0 1	0.1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
R 20277	37 8	1.4	1.7	3 51	< 0.002	0.56	< 0.02	0 26	0.04	< 0.02	0.58	54 0	223	288	57 7	210	28.0	4.2	17 5	1 6	7.55	1.4	3 5	0.5
R 20278	23.9	1.4	3.4	3 01	< 0 002	0 24	< 0.02	0 50	0 04	< 0 02	0.47	49.5	134	195	33 0	117	15.8	2.3	10.4	1 0	4.77	0.8	2.1	0 3
R 20279	47.5	2.0	2.0	2 02	0 108	0.33	< 0.02	0.27	0 04	< 0 02	0.49	82 0	249	371	68.1	245	32 1	4.6	20.3	1 9	9.42	1.7	4 6	0 6
R 20280	24 2	0.9	2.4	3.39	0 011	0.31	< 0.02	0 54	0 05	< 0.02	0.34	52.1	120	283	31 6	112	15 0	2 2	9.9	1 0	5 17	0.9	2 4	0 3
R 20281	38.3	1.4	2.4	5.29	0 107	0 41	< 0.02	0 32	0 06	< 0.02	0.37	83.2	180	309	49.9	180	24 1	3 6	16.4	1.6	8.15	1.4	3 7	0.5
R 20282	18 8	1.8	2.8	3.49	0 009	0.16	< 0.02	0 66	0.03	< 0.02	0 78	102	110	191	24.1	82.5	10.9	1 6	7.7	0.8	3.87	0.7	1.8	0 2
R 20283	46 2	2.6	2.6	6.27	0.376	0 44	< 0 02	0.46	0.03	< 0.02	1 36	152	273	333	68 0	239	31 6	4 5	20 5	2.0	10.1	1 8	4.5	0 6
R 20284	42.6	1 2	1 4	2 78	0.292	0.46	< 0 02	0.24	0 04	0 02	0 54	83 7	228	301	58.5	208	26 0	3 8	17.0	1 6	8.14	1 5	3 8	0.5
R 20285	104	2.2	2 3	10.2	0.335	0 32	< 0.02	0 33	0 02	< 0.02	0.77	85 9	418	891	111	398	53.9	7.9	39.8	4 0	20.2	3 7	9 5	1.3
R 20286	77.8	1.0	2.0	4.48	0 137	0 29	< 0.02	0.31	0.03	< 0 02	0 41	54 7	247	592	75.8	291	44.0	6 7	31.4	3 4	17.6	3 1	8 1	1 1
R 20287	46 6	1 4	3 0	3 11	< 0.002	0.24	< 0.02	0.47	0.05	< 0.02	0.44	68 3	208	306	55.5	200	26.8	3.8	17.8	1 8	9.04	1 7	4.3	0 6
R 20288	105	1 8	2 1	8.13	0.221	0.45	< 0.02	0 93	0 04	< 0 02	0.94	87.5	373	871	96 7	351	48 9	7.4	36.2	3 7	19.5	3 7	9 7	1 3
R 20289	72.7	1.3	1.3	4 39	0.139	0 53	< 0.02	0 22	0 05	< 0 02	0.61	50 7	342	358	86.3	310	40.0	5.9	27 1	2 6	12.6	2 3	6 1	0 8
R 20290	74.4	2.4	2.2	8.39	< 0.002	0 07	0.02	0.47	0 03	< 0 02	0.92	69.5	296	503	83 7	304	43.1	6.5	29 4	3 0	15.5	2.9	7.6	1 1
R 20291	2.96	1.5	2 2	4.92	< 0 002	0.06	< 0.02	0 39	0.03	< 0 02	0 42	31 2	18 1	38 9	3.9	13.4	2.1	0.4	1.5	0 2	0 872	0.1	0.4	< 0 1
R 20292	25.0	1.9	2 1	1.84	< 0.002	0 42	< 0.02	0.34	0.04	< 0.02	0.68	86.8	143	190	35.7	126	16 8	2 6	11 1	1 1	5 32	0 9	2.5	0.3
R 20293	24.8	1 1	1.7	2 44	0 030	0 40	< 0.02	0 41	0.04	< 0.02	0.63	82.5	138	218	32.8	114	15 0	2 2	10 0	1.0	4.86	0 9	2.4	0 3
R 20294	47.5	2.2	1.5	2.83	0.319	0 78	< 0.02	0.43	0.04	< 0.02	1.22	132	365	392	93.1	329	39 8	5 5	23 0	2 0	9 75	1 7	4.4	0 6
R 20295	23.9	2.5	1.5	2.52	0.023	0.14	0.02	0.63	0.03	< 0.02	1.28	177	169	273	40.3	135	17 0	2 5	11 0	1.0	5 20	0.9	2.4	0 3
R 20296	54.1	1.9	2.1	5.53	0 050	0.60	< 0.02	0.51	0.04	< 0.02	0.83	124	337	607	81.3	276	34 7	5 0	22 9	2 2	10 7	1.9	5.0	0 7
R 20297	48.0	1.7	1.5	3.34	0 315	0.61	< 0.02	0.40	0.04	< 0 02	1 01	142	278	646	67.6	232	29.8	4 4	19 9	1 9	9.68	1.8	4.6	0.6
R 20298	62.0	2.0	1.9	2.48	0.470	0.56	< 0.02	0.35	0 03	< 0 02	1.05	120	342	685	84.8	299	39.5	6 1	28 0	2 7	13.4	2 4	6 0	0.8
R 20299	49.4	1.3	1.0	2.09	0 168	0.58	< 0.02	0 20	0.05	< 0 02	0.46	57 4	320	348	75.3	260	32 1	4.8	21 3	2 0	9.82	1.7	4 4	0.6
R 20300	55 2	1 3	1 2	11.1	0 172	0.94	< 0.02	0.35	0 04	< 0 02	0.75	95.7	340	468	81 8	280	35.1	5.0	22.6	2 2	10.6	1.9	5 1	0.7
R 20301	76 4	1 2	1 4	3.87	0 102	0.67	< 0.02	0.33	0 04	< 0 02	0.72	75.4	331	662	92 1	338	47 0	7.1	31.7	3.1	15 6	2.8	7 4	1.0
R 20302	40 9	1 9	2.6	2 38	0.193	0.45	< 0.02	0.48	0 03	< 0 02	0.82	75.3	225	321	53 3	186	24 9	3.8	17.0	1 7	8 48	1.5	3 7	0.5
R 20303	92.0	1 9	1 7	5 05	0.233	0.58	< 0.02	0 32	0.03	< 0.02	0.81	85.6	346	627	94.8	347	48 7	7 7	33.9	3 4	17.5	3.2	8.6	1.2
R 20304	80 2	0 9	1 1	4.81	0 174	0.57	< 0 02	0 18	0 02	< 0 02	0.33	53 1	303	569	84 0	312	45.6	6 7	31.5	3 3	16 9	3.1	7.8	1 1
R 20305	145	2.9	2 3	8 82	0.387	0.74	< 0 02	0 46	0.04	< 0.02	2.03	128	629	749	157	565	78 0	12 4	53.5	5 5	28 6	5.3	14 1	1.9
R 20306	86.7	1.4	1 8	5 54	0.085	0.52	< 0.02	0 37	0.04	0.02	0.75	54 9	358	645	91 8	333	45.6	6 9	32.6	3 2	16 2	2.9	7.8	1.1
R 20307	60.8	4.1	2 4	9.02	0.065	0.26	< 0.02	5 20	0.04	< 0 02	1.44	95.5	231	408	80 6	313	48.4	7 0	29.4	2 9	14 3	2.6	7.2	1 0
R 20308	77.2	1 6	1 4	3.17	0 296	0 52	< 0.02	0.24	0.03	< 0 02	0.72	77.2	401	651	119	453	62 5	8.8	38.5	3 7	18.0	3.1	7.8	1 0
R 20309	91.3	3.3	2.4	8.64	0.150	0.79	< 0.02	0.33	0.03	< 0 02	0.76	84 2	452	669	132	495	67.8	9.4	43 6	4 1	19 9	3 6	8 9	1.2
R 20310	60.7	1 3	1.8	6 14	0.193	0.47	< 0.02	0 28	0.03	< 0 02	0.42	64 1	246	442	62.8	227	32.1	4.6	23.1	2 3	11.8	2.2	5 7	0.8
R 20311	50 7	1.5	1.4	12.8	0.049	0 52	< 0 02	0 29	0.05	< 0 02	0.48	75 4	242	390	61.7	218	28.6	4 0	18 8	1 9	9.55	1 8	4 8	0 7
R 20312	61.5	1.9	1.3	3 71	0.151	1.00	< 0.02	0.23	0.03	< 0 02	0.48	78 2	345	400	89 1	312	39.3	5.3	24.7	2 3	11.7	2 2	5.8	0.8
R 20313	52 9	1.6	1.9	5.95	< 0 002	0.13	< 0.02	0.45	0 04	< 0 02	0.59	53 2	234	374	65.4	234	32.3	4.7	20.9	2 1	10.5	1 9	5 3	0.7
R 20314	22.4	1.4	1.8	5 66	< 0.002	0.12	< 0.02	0 43	0 03	< 0 02	0.50	42.8	126	233	34.6	124	16 5	2.3	10.3	1.0	4 67	0.8	2 2	0.3
R 20315	17.0	2.7	2 3	4.66	< 0 002	0.04	< 0.02	0.62	< 0 02	< 0 02	0.99	91.6	117	192	31 7	113	14 7	2 0	8.5	0.8	3 80	0.7	1.8	0 2
R 20316	46.5	1 9	1.8	7.04	0 034	0.64	< 0.02	0 31	0.04	< 0.02	0.78	64.7	318	386	74.8	254	31.3	4 3	19.0	1 8	8.77	1 6	4.2	0 6
R 20317	16.1	1 2	1 9	3.34	< 0.002	0.06	< 0.02	0 41	< 0.02	< 0.02	0.35	33.5	106	165	32 7	120	15.8	2.2	9.1	0 8	3.81	0.7	1 7	0.2
R 20318	64.0	1 5	1 6	7.01	0.100	0.25	< 0.02	0.35	0.04	< 0.02	0 94	64 0	373	711	99.3	351	46 1	6 3	29.1	2 8	13 8	2.5	6 5	0.9
R 20319	3.17	2 2	2 5	4.92	< 0.002	0.05	< 0 02	0.48	< 0.02	< 0.02	0.47	32.0	19.0	40.6	4 2	14.1	2.3	0 4	1.5	0.2	0.947	0.2	0 4	< 0 1
R 20320	16.6	2.3	1.6	7.34	< 0 002	0 04	< 0 02	0.46	< 0 02	< 0 02	0.99	81 2	135	201	38.9	145	19.7	2 5	10.5	0.9	4.05	0.7	1.8	0.2
R 20321	38 3	1.1	0.8	3 72	0 150	0.71	< 0.02	0 16	0.03	< 0.02	0.53	68 5	318	308	79.2	277	32.8	4.2	18 3	1 6	7.47	1.3	3 5	0.5
R 20322	24 9	1.7	1 3	2.09	0 051	0 40	< 0.02	0 32	0 05	< 0 02	0.50	72 8	253	307	66.1	230	27.1	3.4	14.3	1 2	5.34	0.9	2.3	0.3
R 20323	58.9	8.9	2 6	5 29	0 570	1 06	< 0.02	0.46	0 04	0 08	2.49	251	396	600	122	453	63.7	8 3	35.6	3 3	15.0	2 6	6 5	0.9
R 20324	57.5	1.7	1.3	10 9	0 229	1 16	< 0.02	0.31	0 03	< 0.02	1.30	86 8	336	597	79 8	277	36.1	5 2	23 6	2 2	10.9	2.0	5 3	0.7
R 20325	38.7	7.6	3 3	10 0	0.205	0.29	0.02	0.69	0 04	< 0.02	2.50	170	251	399	71.9	261	35.9	4 8	20.5	1.9	9.11	1.6	4.3	0.6
R 20326	49.5	1 9	1 4	8 97	< 0 002	0.09	< 0.02	0.51	0.06	< 0 02	1.13	60 8	206	403	67 7	252	34 8	5 1	22.3	2.2	11.0	2.0	5.5	0.8
R 20327	63.9	0.7	0 8	6 12	0 262	0.42	< 0 02	0.21	0.03	< 0.02	0.76	59.2	304	423	80.8	295	40.7	5 9	27 1	2 7	12 9	2.3	5 8	0 8
R 20328	46.9	0.9	1 1	4 83	0 163	0.24	< 0 02	0 47	0.07	< 0.02	0.59	48 5	210	366	62.7	242	34 8	5 7	22 1	2.2	10.5	1 9	4 8	0.6

Analyte Symbol	Y	Zr	Nb	Mo	Ag	Cd	In	Sn	Sb	Te	Cs	Ba	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	0 01	0.1	0 1	0 01	0.002	0.01	0 02	0.05	0.02	0.02	0 02	0 5	0 5	0 01	0.1	0 02	0.1	0.1	0 1	0.1	0.001	0 1	0 1	0.1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
R 20329	83.8	1 4	1 3	13 3	0.225	0 75	< 0 02	0 87	0 03	< 0 02	0 78	51.6	411	1010	112	409	54 2	7 9	36 0	3.4	17 2	3.1	8 3	1 1
R 20330	50 8	2.9	2 3	8 57	0.047	0.35	< 0 02	0.50	0.03	< 0 02	1 02	88 3	302	356	82 9	300	39.5	5 4	23.5	2.2	10.8	1 9	4 9	0.6
R 20332	48 7	2 2	2 4	6.00	0.027	0.52	< 0.02	0.53	0,02	< 0,02	0 75	72.7	252	354	66.8	241	32 4	4 6	20.8	2.0	10 2	1 8	4.8	0.7
R 20333	39 3	3 0	2 3	2.92	0.052	0.35	< 0 02	0.64	0.11	0.02	1.46	119	198	265	51.5	185	24 8	3 6	15.9	1.6	8 14	1 5	3.9	0.5
R 20334	37.2	7.9	4 0	5 59	0 154	0.80	< 0 02	0 73	0.03	< 0.02	1.76	141	254	348	69.7	249	33 3	4 5	19.0	1 8	8.79	1 5	4.1	0.6
R 20336	42 9	2 1	2.2	3.99	< 0.002	0.25	< 0.02	0 48	0 05	< 0.02	1 14	90.8	267	549	71 8	259	33 6	4 5	21 4	1.9	9.10	1 6	4.1	0 5
R 20337	51 1	3.1	2.8	12.7	0 063	0 13	< 0.02	0.48	0 06	< 0.02	1 31	94 0	217	573	77.0	293	41 9	5.7	25 7	2.5	12.8	2.3	6.3	0 9
R 20338	42 3	2.6	2 7	2 91	0 290	0 32	< 0.02	0 49	0.04	< 0 02	0.77	65.7	235	375	55.9	192	26.4	3 9	17 3	1.7	8.85	1.6	4.1	0 6
R 20339	76 4	2 8	2.0	9 57	0.247	0.73	< 0.02	0 33	0 05	< 0.02	0.76	99 5	376	560	96.4	335	44 0	6 1	28 9	2.9	14.9	2 8	7 5	1.0
R 20340	88.8	2.1	2.2	25 2	0.154	0.92	< 0.02	0 35	0 03	< 0 02	0.60	55 7	365	612	108	407	55 3	7.8	37.8	3.7	18 0	3.3	8.8	1 2
R 20341	80 4	1.9	1.7	14 1	0.113	0.50	< 0.02	0 21	0 04	< 0.02	0.41	53.5	372	559	102	374	51.0	7.1	33 2	3.2	15.8	3 0	7.8	1 1
R 20342	59.0	2.4	1 9	5 37	< 0.002	0 22	< 0.02	0.70	0.05	< 0.02	1.50	106	267	443	74 1	273	39 6	5 8	25.6	2.5	12.6	2 3	6 2	0.8
R 20343	65.0	2 3	1 3	2.78	0.677	0.87	< 0.02	0 42	0 05	< 0.02	0 91	64.5	277	333	72.0	261	35.4	5 1	21.5	2 2	11 1	2 1	5 8	0 8
R 20344	75.3	2.4	1 2	2 74	0.598	1.00	< 0.02	0.25	0 04	< 0.02	0 75	60.4	337	312	88 8	317	42 4	6 1	26.4	2.7	13 5	2 6	6 9	0 9
R 20345	62.0	1.8	1.8	4 48	0 229	0.49	< 0.02	0.37	0 05	< 0.02	0 82	65 1	269	665	72.3	263	38.3	6 0	26.4	2.7	13 7	2 4	6 4	0 9
R 20346	81.4	1 9	2 1	11.6	0.621	0.72	< 0.02	0.32	0.03	< 0.02	1.02	91.0	361	549	90.6	324	46 2	7 3	31.8	3 2	16 3	2 9	7 9	1 1
R 20347	46 6	2 0	1 7	2.68	0.199	0.25	< 0.02	0.32	0.03	0 03	0.82	72.1	226	311	60 6	221	31 4	4 6	19.5	2 0	10 0	1 8	4 7	0 6
R 20348	34.2	5 5	2 6	2 29	0.317	0.38	< 0 02	0.57	0 08	0 11	1 60	170	207	268	55.3	197	26 3	3.7	15.8	1.5	7 36	1.4	3 4	0.5
R 20349	63.4	2 1	1.6	2.57	0.238	0.49	< 0 02	0 40	0.03	0 14	0.81	88 0	301	585	78.6	285	41 0	6 2	28.7	2 9	14.0	2 4	6 4	0 8
R 20350	75.2	2 5	1 9	2.94	0.274	0.69	< 0.02	0 46	0 04	< 0.02	0 84	99.5	386	642	100	364	51.5	7.7	33 6	3.2	15 9	2 8	7 5	1 0
R 20351	45.1	3 2	1 3	2.81	0 551	0 36	< 0.02	0 27	0 05	< 0 02	0.48	74 5	282	477	63.3	221	28.8	4 6	19 2	1.9	9.88	1.8	4.6	0 6
R 20352	2.65	1.8	2.3	4 95	0.020	0 07	< 0.02	0 35	< 0 02	< 0.02	0.39	29 3	16 4	35.1	3.5	11.9	1.9	0 3	1 3	0.2	0.813	0 1	0 4	< 0 1
R 20353	72.4	1 8	1 6	4 04	0 380	0 60	< 0.02	0.39	0.05	< 0.02	0.74	86.3	411	872	99 5	356	47.1	6 9	33.3	3.1	15 0	2 6	6 8	0.9
R 20354	41 1	4.8	2 5	1 90	0 279	0 35	< 0.02	0.65	0 07	0.02	1.43	161	303	405	74 6	258	32.0	4.6	19.7	1.9	9.05	1 6	4 1	0.5
R 20355	49 2	1.1	0 8	7 29	0 395	0.67	< 0,02	0.21	0.05	< 0.02	0 24	51.5	382	431	85 7	284	34 7	4 8	21 5	2 1	10.5	1 9	4 8	0.6
R 20356	33.1	1 5	0 8	2 42	0.523	0 82	< 0 02	0.26	0.04	0.03	0.39	63.2	302	338	68 9	229	26.7	3 5	15.6	1 4	6 86	1 2	3.2	0.4
R 20357	40 0	1 2	0.7	3 13	0 522	0.80	< 0.02	0 21	0 05	< 0.02	0 43	67.6	347	315	80.5	260	30.2	3 9	16.9	1.6	7 81	1 4	3.6	0 5
R 20358	38.7	1 5	1 1	3.57	0.200	0 17	< 0.02	0.25	0.04	< 0 02	0.50	59.0	294	483	76 2	254	29 8	4 1	17.9	1.8	8 87	1 6	4 1	0.5
R 20359	45.3	1.7	2 0	8 13	0 180	0 06	< 0.02	0 40	0.03	< 0.02	0 57	56.3	192	416	65.4	248	36 2	5.0	22 8	2 3	11 4	2.0	5.2	0.7
R 20360	64.6	1.9	2 3	9 44	0 268	0 71	< 0.02	0 33	0 04	0.07	0 45	53 3	343	444	85.6	303	40 0	5.5	26.1	2 5	12 7	2.3	6 0	0 8
R 20361	33 5	3 6	2 5	6 07	0.110	0.14	0.02	0 67	0 03	< 0 02	1.21	142	169	291	52 9	198	29.3	4 0	16 6	1.6	7.81	1 5	4.0	0.5
R 20362	74 6	1 8	2 0	6 68	0.241	0.64	< 0 02	0 45	0 06	< 0 02	0.58	71.1	346	449	92.0	333	45.3	6 5	29 7	2.9	14.6	2.7	7.1	0 9
R 20363	57 9	3 2	2.5	7.03	0.230	0.33	< 0 02	0 53	0 03	< 0.02	1.34	146	283	619	72 9	264	37.3	5 3	25 5	2.4	11 9	2 2	5 7	0 8
R 20364	60.1	8 8	3.7	6.16	0.276	0 16	0.03	1.06	0 03	0 08	4.35	306	407	641	109	395	56.9	7.9	33.5	3.0	13.7	2.4	6 5	0.9
R 20365	69.7	2.2	1 3	6 99	0.170	0 23	< 0.02	0 38	0 05	0 03	1.12	60 5	312	716	89 4	328	47.5	7 0	31 3	3.1	15.7	2 9	7 7	1 0
R 20366	67.2	2 4	2.1	4 60	0 416	0 36	< 0.02	0.38	0.08	< 0.02	0 83	75 7	324	592	75 6	268	38 6	6.0	28.0	2.9	14.6	2.7	6 8	0 9
R 20367	27.6	1 9	2 2	3 63	0 129	0.32	< 0.02	0 39	0.04	0.04	0.60	65 8	153	226	35 9	128	17 7	2 7	12.1	1.2	5.85	1 1	2 6	0.4
R 20368	78 7	3.0	3 0	3 94	0.480	0.61	< 0.02	0 48	0 02	< 0.02	1.51	102	378	751	96.8	350	49 2	7 3	33 4	3 4	17 1	3.1	8.2	1.1
R 20369	35.7	1 7	1 3	2 33	0 117	0 36	< 0 02	0 39	0 04	< 0 02	0.81	95.6	196	333	48 7	168	22 7	3 3	15 0	1.5	7 46	1 3	3 5	0.5
R 20370	80.6	2.4	1 4	9.56	0.533	0.53	< 0.02	0 22	0.03	0.08	0.89	76.0	342	499	97.3	368	54 0	8.5	35.8	3.6	17 8	3.2	8.3	1.1
R 20371	66.5	1.7	1.1	4.69	0.390	0 35	< 0 02	0 19	0 04	0 03	0.85	56.5	262	431	74.0	284	44 2	7.7	30.1	3.0	15.3	2.7	6.8	0.9
R 20372	58.4	1 9	2 8	3 41	0 160	0.34	< 0 02	0 50	0.02	< 0.02	0.87	85 8	342	1050	89 5	317	41.5	6.1	29.0	2 6	12 6	2.2	5.7	0 7
R 20373	2.69	1.8	2 2	5.05	0.009	0 04	< 0.02	0 36	0.02	0 05	0 38	29.5	16 9	36 9	3 7	12 9	1.9	0 3	1 4	0.2	0 802	0.1	0 4	< 0 1
R 20374	46.8	4.8	1.6	4.35	0 590	0 35	< 0.02	0 24	0.05	< 0 02	0.45	67.6	296	493	66.9	234	31.3	4 9	22 0	2.1	10.5	1.8	4 6	0 6
R 20375	59.2	1.5	0.9	4.68	0 261	0.66	< 0 02	0.18	0 06	< 0 02	0.43	42.0	275	390	73.7	263	35.0	5 2	23 0	2.3	11.5	2 1	5 7	0 8
R 20376	55.9	1.4	0.8	4 22	0 399	0.69	< 0 02	0 20	0.05	< 0.02	0.34	52.7	413	399	94 5	314	36 3	5.1	22 4	2.1	10.4	1 9	5 0	0.6
R 20377	39 9	1.9	1 1	18 1	0 261	0 44	< 0.02	0 37	0 04	< 0.02	0.57	72.0	318	416	77 0	257	30.4	4 1	18.8	1.7	8.27	1 5	3 8	0 5
R 20378	57 3	1 6	1 1	6.88	0.301	0 43	< 0 02	0.24	0 04	0.03	0.43	53 4	423	783	107	362	43.4	5 8	26 9	2 5	12 2	2 1	5.5	0.7
R 20379	27.5	2 3	1.3	1.72	0 436	0.45	< 0.02	0.28	0 05	< 0 02	0.48	80.2	276	354	69 2	229	25 6	3.2	13 9	1.2	5.85	1 1	2.8	0 4
R 20380	47 0	1 9	1.3	5 64	0.806	0.72	< 0.02	0 36	0 04	< 0 02	0.77	102	420	509	96 1	309	36.0	4.7	21.6	2.0	9.96	1.8	4 5	0 6
R 20381	50.4	3.8	1.4	2 23	0 293	0.35	< 0 02	0 21	0 02	< 0 02	0.40	57.2	360	410	81 3	279	35.0	5 1	23.0	2.2	10.4	1.8	4.7	0 6
R 20382	71.6	1 8	1 3	4 94	0.322	0.56	< 0.02	0 28	0 03	< 0.02	0.44	64 6	474	735	115	390	47 2	6 6	30.0	2 8	13 8	2 5	6 6	0 9

Analyte Symbol	Y	Zr	Nb	Mo	Ag	Cd	In	Sn	Sb	Te	Cs	Ba	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	0 01	0 1	0 1	0.01	0.002	0.01	0 02	0.05	0.02	0.02	0.02	0.5	0.5	0.01	0.1	0.02	0.1	0.1	0.1	0 1	0.001	0.1	0.1	0.1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
R 20383	80.9	5.8	2.1	3 56	0 711	1 25	< 0.02	0 34	0.04	< 0 02	0.92	98.4	576	752	153	554	70 4	9 8	43 0	3 8	18.3	3 2	7.9	1.0
R 20384	77.6	1.3	1 0	3 85	0 589	0.47	< 0.02	0 17	0.03	0 03	0.34	36.1	445	574	114	417	54.4	9 1	36 6	3 3	15 5	2 7	6 7	0 9
R 20385	109	2 1	1 9	6.45	0.492	0.46	< 0.02	0 35	0.04	< 0 02	1.13	86.9	427	845	121	457	66 5	10 4	45 2	4 4	22.1	4 1	10.7	1 5
R 20386	39.4	4.2	2.3	1.94	0 143	0.43	< 0.02	0.49	0.04	0 06	1 48	153	213	279	54.5	195	25 6	4.0	17 3	1 7	8 14	1.5	3.7	0 5
R 20387	53.0	2.9	2.2	2 57	0 301	0.46	< 0.02	0 30	0 05	0.08	0 77	70 7	322	457	83.2	310	42.9	6.6	28.2	2.8	12.9	2.2	5.2	0.7
R 20388	29.8	2.1	2.6	3.11	0.099	0.28	< 0.02	0.50	0 03	< 0.02	0.66	93 4	164	274	41 4	150	20.6	3.2	13.3	1.3	6.32	1.1	2.8	0 4
R 20389	53.0	2 1	2 2	5.24	0.322	0.41	< 0 02	0.31	0 03	< 0 02	0.54	63.5	262	445	67 5	246	35.1	5.6	23 2	2 3	11.6	2.1	5.4	0 7
R 20390	66.4	3.7	2.8	2 90	0.360	0 53	< 0.02	2 60	0.04	0.04	2.59	109	357	668	96 1	356	48.2	7.6	31 7	3 0	15 0	2 7	6 8	0 9
R 20391	10.4	2.0	2.6	3 54	0.013	0 07	< 0.02	0.50	0 03	0 04	0 49	53 3	52 6	89 1	12 4	44.8	6.5	1 0	4.4	0 5	2 23	0 4	1.1	0 1
R 20392	78.3	2.7	2 9	5.41	0.422	0.33	< 0 02	0.52	0.03	< 0.02	1.38	95.2	334	865	91 0	336	49.2	7 4	33 9	3 4	17 3	3 1	8 3	1.1
R 20393	31.8	2.5	2 5	5 19	0 149	0.21	< 0.02	0 49	0.03	< 0.02	0.79	63 2	174	282	38 2	131	18.1	2 7	12.0	1 3	6 42	1 2	3 1	0 4
R 20394	65 1	5.5	3 9	6 66	0.785	0 47	0.02	0.86	0.06	0.02	2.75	205	337	360	78 9	272	36.7	5 3	24.6	2.4	12.3	2 3	6 0	0 8
R 20395	64.9	3.2	2.0	7 88	0.576	0 35	0.02	0 60	0.04	0.03	2.09	175	367	897	98 9	357	50.3	7.2	33.1	3 0	14 8	2 6	6 8	0 9
R 20396	13.5	9.5	3.0	4 30	0.102	0.16	0 02	0 82	0.03	< 0 02	1.15	154	91 8	153	21 1	73.9	10.1	1 5	6.4	0 6	3 07	0.5	1 4	0 2
R 20397	40.5	1.9	1.4	2 63	0.249	0.23	< 0.02	0 14	< 0.02	0.05	0.38	59.9	215	360	61 9	235	35.8	5.7	23.2	2 2	10.4	1 7	4 2	0.5
R 20398	42.5	3.1	2.3	6 70	0.324	0.47	< 0 02	0.34	0.06	0.10	2.15	103	270	404	71.3	254	35.2	4.8	21 6	2 0	9 28	1.6	4.1	0.5
R 20399	14.5	1.2	1.6	4 64	0.051	0.17	< 0 02	0 34	0.05	0 02	0.61	37.9	91 1	156	22 6	79.8	10.6	1 6	6 6	0 6	3.12	0.6	1.5	0 2
R 20400	22.9	4.5	1.3	4 47	0.405	0.10	0 03	0.87	0.05	< 0.02	1.65	195	125	223	32.7	115	15.6	2.4	9.8	0.9	4.81	0.8	2.2	0.3
R 20401	24.4	3 4	1 5	5.83	0.223	0.19	0 02	0.70	0 04	0 07	1.39	142	139	244	37.9	138	18.8	2 7	11.4	1 1	5.28	0.9	2.4	0.3
R 20402	35.7	3.6	2 4	6.97	0 254	0.51	< 0.02	0 41	0 06	< 0 02	0.86	67 9	220	327	59.3	210	27.1	3 7	15.8	1 4	7.09	1.3	3 4	0 4
R 20403	25.9	2.7	1.5	6 13	0.147	0.21	0 02	0 77	0 04	0 15	1.69	200	175	320	45 3	159	20.5	2.8	12.2	1.2	5 74	1.0	2 6	0 4
R 20404	49.7	2.8	2.3	7.26	0.428	0.71	< 0 02	0.41	0 03	0 03	0.84	77 1	288	511	84 0	307	41.8	5 7	24.6	2.3	10 9	1 9	4 8	0 6
R 20405	22.1	2.3	1.7	3.23	0.267	0.40	< 0 02	0.26	0 06	< 0 02	0.34	62.3	198	341	49 4	173	21 8	3.1	12.4	1 1	5.48	0.9	2 3	0 3
R 20406	36 5	3 1	2.3	4 39	0.120	0.05	0.02	0.75	0 03	0 12	1.37	98 8	188	488	62 0	226	31 1	4.1	18 2	1 7	8.60	1.5	4 0	0 6
R 20407	60 8	2 9	2 2	6.14	0.530	0 32	< 0 02	0 48	0 03	< 0 02	1.39	103	375	736	92.6	324	42 4	5 6	27.3	2 6	13.1	2.3	6.0	0 8
R 20408	34.3	2.9	1 9	2.44	0 510	0 46	< 0 02	0 28	0 04	< 0 02	0 68	79.4	271	433	70.9	252	31.8	4 2	18 7	1 7	7.94	1.3	3.2	0 4
R 20409	49.0	1.5	1 1	14 9	0 088	0 08	< 0 02	0 64	0 05	< 0 02	0.94	67.3	220	536	74.4	279	39.2	5.4	23.8	2 3	11.6	2.1	5.4	0 8
R 20410	64.4	2.7	1.7	4 21	0 352	0.49	< 0 02	0 37	0 03	< 0 02	1 42	85 7	357	490	94.8	337	45.5	6 4	27 2	2 6	13.0	2.3	5.9	0.8
R 20411	62 9	2 2	1 6	4.97	0 335	0.42	< 0 02	0.35	0 05	0 07	1.19	71.2	338	563	84.4	294	39.0	5 7	25 0	2 5	12.7	2.2	5.9	0.8
R 20412	48 0	3 1	1.9	3 65	0.319	0.70	< 0 02	0 40	0 04	< 0 02	0.97	83.4	291	329	74.6	285	33 3	4 6	20 6	1 9	9 62	1.7	4.4	0.6
R 20413	90 1	1.0	1 2	3 71	0 361	0.44	< 0 02	0 17	0 05	< 0 02	0.24	43.0	315	510	82.2	304	43.9	6.8	31.5	3 3	17.6	3.2	8 5	1 1
R 20414	61.5	3 0	2.1	10 8	0.454	0 84	< 0 02	0 42	0 05	< 0 02	1.20	31.0	318	529	86 2	320	42.4	7 0	26 4	2 4	12.0	2.2	5.5	0 7
R 20415	91.7	1 4	0 9	6.79	0.582	0.62	< 0 02	0.14	0.04	0.03	0.81	24.1	470	798	132	505	67.9	11 7	42.8	3 8	18.8	3 3	8 3	1 1
R 20416	55 8	0.6	0 5	5.19	0.348	0.61	< 0 02	0.08	< 0 02	< 0 02	0.69	38 0	272	417	80.8	313	43 5	7 5	26.3	2 4	11.3	2.0	5 1	0.7
R 20417	60 8	0 9	1 3	1.92	0.620	0.79	< 0 02	0.22	0 04	< 0 02	1.88	58 1	361	579	98 1	368	48.2	8 2	29.1	2 8	13.6	2 4	6 0	0.8
R 20418	46.3	2 8	1 4	5.57	0.340	0.41	< 0 02	0.24	0 03	< 0 02	0 68	38 9	198	271	50 5	182	24.3	3.7	15 9	1.6	8.24	1.5	4 1	0.6
R 20419	29.2	3 1	1 6	6.11	0.251	0.54	< 0 02	0 33	0.03	< 0 02	1.12	61 2	174	212	47.8	177	22 4	3 4	12.9	1 2	6.03	1.1	2 8	0 4
R 20420	21.6	2.4	1 5	7 19	0 248	0 51	< 0.02	0 41	0 05	< 0.02	0.60	85.5	137	190	31.8	107	13 3	1.8	8.0	0 8	4.02	0.8	2.0	0 3
R 20421	19.0	5.3	2.4	1 60	0 231	0 19	< 0.02	0.61	0.03	< 0.02	1.42	187	133	203	33.4	112	14.2	2 0	8.4	0 8	4.14	0.7	1.9	0.2
R 20422	60 4	7.6	2.5	3.24	0.543	0 59	0.02	0.62	0.03	< 0.02	1.71	74.7	279	316	79.8	286	39.6	5 6	24.1	2 4	12.0	2 2	5.6	0 8
R 20423	39.8	2.9	1.5	3.45	0 320	0.33	< 0.02	0.28	0.03	< 0.02	0.82	65 0	170	245	44 8	163	22.1	3 4	14 4	1 4	7.43	1.4	3.6	0 5
R 20424	34.8	2.0	1.5	5 25	0.187	0 11	< 0.02	0.54	0 02	0.03	1.09	81 9	136	250	46.7	181	26 9	4 0	16.9	1 6	8.04	1.4	3.8	0 5
R 20425	54.6	1 2	1.0	11.7	0.655	0 68	< 0.02	0.18	0 03	< 0 02	1.25	48.0	269	411	69 7	255	35.6	5.8	23.0	2 2	11.1	2 0	4.9	0.6
R 20426	68.0	1 8	1.1	14.9	0 534	0.43	< 0.02	0.37	0 06	< 0.02	0.64	29.0	319	454	77.3	275	37.1	5 8	24.4	2.5	12.6	2 3	5 9	0.8
R 20427	30 6	4.2	2 7	4.19	0 153	0.21	< 0.02	0.60	0.03	0 02	1.87	93.3	211	358	53.3	201	25.5	4 3	15 4	1.4	6.76	1.2	2 9	0 4
R 20428	62.9	1 3	0 9	7 01	0 423	0.75	< 0.02	0 43	0 05	0.07	0 32	28.1	318	490	77 3	282	37.2	6 3	24 2	2.3	11.8	2.1	5.5	0 7
R 20429	84.7	2 7	2 0	12.8	0 508	0.40	< 0.02	0.29	0 03	< 0.02	0 39	41 4	341	528	81.4	283	38.0	5 5	25.1	2 6	13.4	2.4	6.0	0.8
R 20430	70.8	4 1	2.8	3.51	0 282	0 88	< 0.02	0.45	0 03	0.04	0.74	38 0	368	492	96 5	345	46.7	6 6	29 1	2 9	14.8	2 8	6.8	0.9
R 20431	4 98	2.3	3 2	3.73	0.009	0.08	< 0.02	0.56	0 02	< 0.02	0.61	31 6	26 4	56.7	5 8	20.4	3.2	0 6	2 2	0 2	1.31	0.2	0.6	< 0.1
R 20432	53.0	1.6	1.3	4.86	0.336	0.42	< 0 02	0 29	0 03	< 0.02	0 52	41 2	283	347	64.3	222	28.8	4.1	18.5	1.9	9.76	1.8	4 5	0 6
R 20433	47.0	1.5	1.7	5.09	0.294	0 65	< 0.02	0.40	0.04	0 03	0.71	57 7	223	369	55.7	198	26.9	3 9	17 7	1.8	9.28	1 7	4 3	0 6
R 20434	47 8	3 9	2.3	4 24	0 430	0 32	0 02	0 70	0 03	< 0.02	4.32	164	213	304	58.7	211	31.0	4 5	19 0	2 0	10.3	1.8	4 8	0 6

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Analyte Symbol	Y	Zr	Nb	Mo	Ag	Cd	In	Sn	Sb	Te	Cs	Ba	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	0.01	0 1	0.1	0 01	0 002	0.01	0.02	0.05	0 02	0 02	0.02	0.5	0 5	0 01	0 1	0.02	0.1	0 1	0.1	0 1	0 001	0.1	0.1	0 1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
R 20438	40 8	2 9	2 2	3 40	0.320	0 54	< 0.02	0 30	0 02	0.04	0 47	26 3	351	537	87 4	306	37 9	4.9	21.3	1.9	9.31	1.5	3 8	0 5
R 20439	42 3	2 2	1.9	2.89	0 321	0.38	< 0.02	0 28	0.04	0.04	0.80	37.7	235	393	62 7	225	29 2	4.1	18.0	1 7	8 56	1.5	4 1	0 5
R 20440	17.3	1.7	1.6	5 28	0.142	0 21	< 0.02	0 42	0.03	< 0 02	0 87	50 5	97 7	173	22 9	78.7	10.9	1.6	6.9	0.7	3.55	0 6	1.7	0 2
R 20441	47 5	2 2	1 9	5 47	0.250	0 50	< 0.02	0 54	0.03	0.04	1 84	106	322	498	84 3	293	37 6	4 7	21.8	2.1	10 2	1 7	4 6	0 6
R 20442	26.4	1.1	1 7	4.05	0.199	0.51	< 0.02	0 20	< 0.02	< 0.02	0 35	48.2	182	303	45 2	161	21 8	3 0	13 1	1 3	6.18	1.0	2.6	0 3
R 20443	45.5	1.8	2.0	4.45	0.258	0.68	< 0.02	0.33	0 03	< 0 02	0 38	61.0	246	371	61 8	215	28 0	3 8	17 7	1 7	8.82	1 6	4 1	0 6
R 20444	12.0	3.5	2.1	4 81	0.046	0.09	0.02	0.73	< 0 02	< 0 02	0 79	88 1	68.6	145	18.6	67 2	9 5	1.3	5.5	0.6	2.90	0 5	1 3	0 2
R 20445	42.5	1.7	2.2	4 17	0.194	0 59	< 0 02	0.37	0 03	< 0 02	0 39	72.9	259	316	65.8	229	29 6	4 0	17.9	1.7	8.40	1.5	3 7	0 5
R 20446	4.31	1 6	2 6	3 51	0 012	0.04	< 0.02	0 52	0 02	< 0 02	0 53	32.2	23.1	50.4	5.3	18.4	3 0	0 5	2 0	0.2	1 19	0 2	0 5	< 0 1
R 20447	48.2	1.4	2.0	8 71	0.181	0 30	< 0.02	0 49	< 0.02	< 0 02	0.47	60.6	227	463	64.2	227	30 7	4 2	19 2	1.9	9.81	1.8	4.5	0.6
R 20448	50.3	2 0	2 3	8 33	0.492	0.44	< 0.02	0 51	0.03	0.07	0 48	66.4	240	504	60 9	213	29.5	4.1	18 8	1.9	9.62	1.7	4 5	0 6
R 20449	38 7	1.9	1.7	3 24	0.270	0.37	< 0.02	0.25	0.02	< 0.02	0.50	64.6	206	424	57.1	207	29.6	4 5	17 8	1 7	8 48	1 5	3 8	0 5
R 20450	50 1	2.9	1.4	2 71	0 347	0.45	< 0.02	0 24	0 03	< 0.02	1.09	41.1	367	405	105	381	47 3	6 4	24 5	2.2	10 2	1 7	4 6	0 6
R 20451	28.6	2.1	1.6	5 47	0.260	0.68	< 0 02	1 02	0.03	0.08	0.55	61.7	237	304	57.3	199	24.1	3.2	13.1	1 2	5 75	1.0	2 5	0 3
R 20452	66 4	1.3	1.0	3 75	0.458	0 54	< 0 02	0.16	0.05	0.04	0.39	38.6	481	735	131	470	59.4	7.4	33.7	3.0	14 0	2 4	5 9	0 7
R 20453	16.8	3.2	0.8	4 28	0.038	0 05	0 02	0 89	< 0.02	< 0.02	1.29	139	120	197	29.2	100	13.7	1 9	7.9	0.7	3.79	0.6	1 8	0 2
R 20454	21 8	3.5	2.1	2.77	0 138	0 25	0.02	0.86	0 02	< 0.02	1 34	153	149	230	38.1	134	17 4	2 3	10 0	1.0	4.74	0.9	2.2	0.3
R 20455	94 1	5 1	2 3	5.51	0.417	0 61	< 0 02	0.33	0.04	< 0.02	0 62	45 1	756	828	182	626	77 9	9 2	43 6	4 1	20 3	3 5	8 8	1 1
R 20456	86.5	2 5	1.9	7.86	0.443	0.73	< 0.02	0.28	0 03	< 0 02	0 58	62 2	505	862	145	516	66 5	8.5	39 4	3.9	19.3	3.4	8 6	1.1
R 20457	29.3	2 3	1 6	4 60	0.129	0 14	< 0.02	0 79	< 0.02	< 0.02	0.98	91.8	166	339	47.5	174	24 3	3 3	14 1	1.4	6 96	1.2	3.1	0.4
R 20458	25.9	2 9	1 5	2 93	0.176	0.23	0.02	0 72	0.02	< 0 02	1 21	165	131	212	33.5	118	16.1	2 2	10 2	1.0	5 25	0 9	2 4	0.3
R 20459	51.5	2 7	2 1	6 82	0.116	0.20	< 0.02	0 53	0.03	< 0 02	0 90	70 4	258	442	73 6	263	36.0	5.0	22.7	2.3	11 5	2.0	5 2	0.7
R 20460	57.8	3.6	1 9	2 33	0.271	0.56	< 0.02	0 30	0 03	< 0.02	0.65	43 3	300	434	71 6	250	33.9	4.7	22.0	2.3	11.6	2 0	5 3	0 7
R 20461	97.3	4.6	2.4	3 87	0 261	0.56	0.02	0 51	< 0.02	0.02	1.08	56 0	388	504	101	354	48 0	6 5	28.6	2.9	14.7	2.6	6.7	0 9
R 20462	85 4	4.6	2 1	5 99	0.645	0.43	< 0.02	0.30	0.02	< 0.02	0.74	52 1	520	816	138	483	61.0	8.0	36 9	3.6	17.6	3 1	7.8	1 0
R 20463	50.7	3 0	1 6	3 00	0.368	0.38	< 0 02	0.32	0 03	< 0.02	1.05	34.4	273	410	71 5	258	35.0	4.7	21.5	2 1	10 5	1 8	4 6	0 6
R 20464	82 9	1 5	1 2	12.4	0.946	0.44	< 0 02	0 22	0 04	0.04	1.78	44.1	204	285	69.7	240	39.3	6 1	29.2	3 2	15.5	2.9	7 7	1 1
R 20436	58.5	1 3	1 1	2 79	0.392	0 38	< 0.02	0.14	0.06	< 0 02	0 30	29.4	425	679	112	399	48.9	6.2	27.7	2.5	12 5	2.2	5 5	0.7
R 20437	42.3	1 7	2.0	5 03	0 312	0 29	< 0 02	0 43	0.04	< 0.02	0.84	60.8	248	512	70 8	257	34.7	4 6	19.7	1.9	9 66	1 6	4 2	0.6

Analyte Symbol	Yb	Lu	Hf	Ta	W	Ra	Au	Tl	Pb	Th	U	LOI
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	%
Detection Limit	0.1	0.1	0.1	0.05	0.1	0.001	0.5	0.02	0.01	0.1	0.1	
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	GRAV
R 20277	2.5	0.4	< 0.1	< 0.05	0.1	0.004	< 0.5	0.25	3.26	3.0	12.9	24.59
R 20278	1.5	0.2	< 0.1	< 0.05	0.2	< 0.001	< 0.5	0.16	4.86	5.9	5.6	15.15
R 20279	3.4	0.5	< 0.1	< 0.05	< 0.1	0.001	< 0.5	0.24	3.94	5.1	6.4	36.44
R 20280	1.8	0.2	< 0.1	< 0.05	0.1	< 0.001	0.6	0.30	5.95	7.3	4.0	10.22
R 20281	2.6	0.4	< 0.1	< 0.05	0.1	0.001	< 0.5	0.24	6.22	6.2	7.3	24.07
R 20282	1.2	0.2	< 0.1	< 0.05	< 0.1	0.001	< 0.5	0.38	7.28	12.6	2.4	8.47
R 20283	3.1	0.4	< 0.1	< 0.05	< 0.1	0.002	0.9	0.53	7.73	14.1	8.3	30.39
R 20284	2.6	0.4	< 0.1	< 0.05	< 0.1	0.003	< 0.5	0.18	4.19	4.6	4.2	27.93
R 20285	6.9	1.0	< 0.1	< 0.05	< 0.1	0.007	1.1	0.46	6.39	11.8	8.7	29.27
R 20286	6.1	0.8	< 0.1	< 0.05	< 0.1	0.001	1.4	0.19	4.40	5.5	6.6	27.85
R 20287	3.1	0.4	< 0.1	< 0.05	0.2	< 0.001	< 0.5	0.18	5.94	7.6	5.0	19.12
R 20288	7.2	1.0	< 0.1	< 0.05	< 0.1	< 0.001	1.9	0.43	7.56	6.8	11.4	27.14
R 20289	4.6	0.7	< 0.1	< 0.05	< 0.1	< 0.001	< 0.5	0.23	3.83	3.2	9.4	31.98
R 20290	6.8	0.8	< 0.1	< 0.05	< 0.1	0.001	< 0.5	0.19	13.4	8.9	10.9	20.53
R 20291	0.3	< 0.1	< 0.1	< 0.05	0.7	< 0.001	< 0.5	0.08	3.28	5.9	0.8	1.55
R 20292	1.8	0.3	< 0.1	< 0.05	< 0.1	0.001	< 0.5	0.20	4.11	7.3	4.7	22.03
R 20293	1.7	0.3	< 0.1	< 0.05	< 0.1	0.001	0.6	0.20	4.36	3.9	2.9	22.26
R 20294	2.8	0.5	< 0.1	< 0.05	< 0.1	0.002	0.6	0.28	6.51	4.4	7.5	30.33
R 20295	1.7	0.3	< 0.1	< 0.05	< 0.1	0.001	< 0.5	0.32	7.48	14.5	3.7	7.39
R 20296	3.7	0.6	< 0.1	< 0.05	< 0.1	0.003	< 0.5	0.44	6.59	7.6	6.3	18.97
R 20297	3.2	0.5	< 0.1	< 0.05	< 0.1	0.002	1.5	1.08	6.57	9.0	3.7	24.94
R 20298	4.2	0.6	< 0.1	< 0.05	< 0.1	0.004	< 0.5	0.51	6.45	7.1	4.7	34.42
R 20299	3.2	0.5	< 0.1	< 0.05	< 0.1	0.001	0.8	0.24	3.89	3.2	3.9	30.99
R 20300	3.7	0.6	< 0.1	< 0.05	0.1	0.002	< 0.5	0.38	5.27	3.2	7.4	24.93
R 20301	5.3	0.8	< 0.1	< 0.05	< 0.1	< 0.001	< 0.5	0.22	4.89	2.6	5.6	30.05
R 20302	2.6	0.4	< 0.1	< 0.05	< 0.1	0.002	2.2	0.30	5.25	6.4	3.3	24.93
R 20303	6.5	0.9	< 0.1	< 0.05	< 0.1	0.003	1.4	0.24	5.09	4.7	5.9	33.41
R 20304	5.2	0.7	< 0.1	< 0.05	< 0.1	0.007	0.8	0.32	3.60	2.3	10.4	42.38
R 20305	10.6	1.6	< 0.1	< 0.05	< 0.1	0.005	1.7	0.43	9.68	14.0	13.7	31.85
R 20306	5.9	0.9	< 0.1	< 0.05	< 0.1	0.003	0.6	0.31	5.76	7.0	11.9	22.05
R 20307	6.0	0.9	< 0.1	< 0.05	< 0.1	0.003	2.1	0.36	17.4	22.9	12.8	19.87
R 20308	5.4	0.7	< 0.1	< 0.05	< 0.1	0.004	2.2	0.22	7.10	7.5	24.3	42.95
R 20309	6.3	0.9	< 0.1	< 0.05	< 0.1	0.003	< 0.5	0.62	8.10	16.1	26.5	28.39
R 20310	4.2	0.6	< 0.1	< 0.05	< 0.1	0.002	2.9	0.38	5.04	6.4	8.8	28.73
R 20311	3.7	0.5	< 0.1	< 0.05	< 0.1	0.003	1.1	0.30	5.19	5.9	7.3	24.79
R 20312	4.3	0.6	< 0.1	< 0.05	< 0.1	0.007	< 0.5	0.55	4.17	7.0	7.4	30.14
R 20313	3.9	0.6	< 0.1	< 0.05	< 0.1	0.003	0.7	0.14	5.54	6.2	10.6	17.50
R 20314	1.6	0.3	< 0.1	< 0.05	< 0.1	< 0.001	< 0.5	0.13	3.93	8.2	6.8	7.22
R 20315	1.3	0.2	< 0.1	< 0.05	< 0.1	< 0.001	< 0.5	0.20	5.78	18.3	5.0	3.78
R 20316	3.2	0.5	< 0.1	< 0.05	< 0.1	0.002	1.9	0.26	4.94	7.4	8.1	22.69
R 20317	1.3	0.2	< 0.1	< 0.05	0.1	< 0.001	< 0.5	0.07	4.49	6.0	3.2	7.68
R 20318	4.8	0.7	< 0.1	< 0.05	< 0.1	0.002	< 0.5	0.20	7.66	5.8	8.4	26.57
R 20319	0.3	< 0.1	< 0.1	< 0.05	0.5	0.001	< 0.5	0.08	3.56	6.2	0.7	1.62
R 20320	1.4	0.2	< 0.1	< 0.05	0.1	0.003	1.5	0.19	6.66	18.1	8.7	6.28
R 20321	2.5	0.4	< 0.1	< 0.05	< 0.1	0.003	1.1	0.21	4.20	5.6	6.3	28.91
R 20322	1.5	0.2	< 0.1	< 0.05	< 0.1	0.003	< 0.5	0.18	5.80	5.8	3.8	32.28
R 20323	4.7	0.7	< 0.1	< 0.05	< 0.1	0.007	1.9	0.76	11.6	48.5	26.3	33.28
R 20324	3.9	0.6	< 0.1	< 0.05	< 0.1	0.006	0.7	0.43	7.35	9.9	16.2	28.53
R 20325	3.4	0.5	< 0.1	< 0.05	< 0.1	0.001	2.3	0.48	15.7	35.3	20.5	19.88
R 20326	4.2	0.6	< 0.1	< 0.05	< 0.1	0.006	2.2	0.19	8.59	9.0	15.8	15.89
R 20327	3.9	0.6	< 0.1	< 0.05	< 0.1	0.010	< 0.5	0.20	5.82	3.6	18.3	32.83
R 20328	3.5	0.5	< 0.1	< 0.05	< 0.1	0.005	2.6	0.19	8.43	2.5	27.5	37.35

Analyte Symbol	Yb	Lu	Hf	Ta	W	Re	Au	Tl	Pb	Th	U	LOI
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	%
Detection Limit	0.1	0.1	0 1	0 05	0 1	0.001	0.5	0 02	0 01	0.1	0.1	
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	GRAV
R 20329	6 1	0 9	< 0 1	< 0 05	< 0.1	0 004	6 1	0 50	5.38	3.7	38 4	30.71
R 20330	3 5	0 5	< 0.1	< 0.05	< 0.1	0 004	< 0 5	0 23	5.45	9.4	23 6	24 20
R 20332	3.6	0.5	< 0.1	< 0 05	< 0.1	0.005	2 8	0.20	5.58	11 9	5.9	18.30
R 20333	2 9	0.4	< 0.1	< 0 05	< 0.1	0.002	3.3	0 26	12.5	12.9	4.6	20 05
R 20334	3 1	0 5	< 0 1	< 0 05	0 1	0.006	3.9	0.51	12.5	29.1	13.5	18 87
R 20336	2 9	0 4	< 0.1	< 0 05	< 0 1	0.003	7.8	0.29	10.7	14.1	8.3	17 90
R 20337	5.0	0.7	< 0.1	< 0.05	0 1	0.003	2.1	0.31	10.4	15.0	11.4	24 33
R 20338	3 0	0.4	< 0.1	< 0 05	< 0 1	0.002	2.2	0 41	6.87	15.1	5.9	20.51
R 20339	5 5	0 8	< 0 1	< 0 05	< 0.1	0 006	0.7	0 31	7 15	10.2	12 5	29 28
R 20340	6.5	1.0	< 0.1	< 0 05	< 0.1	0 004	2.6	0 27	7.30	9 0	23.3	30.33
R 20341	6.0	0.8	< 0.1	< 0 05	< 0 1	0.001	1.9	0 58	4 68	9.7	16.5	31 78
R 20342	4.7	0.7	< 0.1	< 0 05	< 0.1	0.002	2.3	0 38	8 99	12 3	7.9	18.12
R 20343	4.4	0 7	0.1	< 0.05	< 0 1	0.006	< 0.5	0 28	6 08	3.2	9.7	25 09
R 20344	5.3	0.8	< 0 1	< 0.05	< 0.1	0.008	2.0	0 24	4 09	4.0	12 5	30.13
R 20345	4.9	0 7	< 0.1	< 0.05	< 0.1	0.005	< 0.5	0 21	5 39	4.2	20.3	25 37
R 20346	6.0	0.9	< 0 1	< 0.05	< 0.1	0 002	2.6	0 72	5 08	5.0	17 0	40.72
R 20347	3 4	0.5	< 0.1	< 0.05	< 0.1	0.003	< 0.5	0 32	5.03	5.8	7 2	24 55
R 20348	2 5	0.4	< 0 1	< 0 05	< 0.1	0.004	2 6	0.34	9 82	11.8	5.9	27 24
R 20349	4 5	0 7	< 0.1	< 0 05	< 0.1	0 005	< 0 5	0 24	5.15	6.8	7 1	18 17
R 20350	5 4	0 8	< 0 1	< 0 05	< 0.1	0.005	< 0 5	0 26	5.95	6.2	6.7	25.37
R 20351	3 2	0 4	< 0.1	< 0.05	< 0.1	0.003	1.0	0 41	5 47	7.0	3 7	30 65
R 20352	0 3	< 0.1	< 0 1	< 0.05	0.5	0.004	< 0 5	0 07	3 06	4 6	0 6	1.49
R 20353	4.8	0 7	< 0.1	< 0.05	< 0 1	0.004	< 0.5	0.64	4.71	4 5	4.6	29.22
R 20354	2.9	0 4	< 0 1	< 0.05	< 0.1	0.004	2.5	0 43	10.4	12 9	3.0	27.50
R 20355	3 3	0.5	< 0.1	< 0.05	< 0.1	0.005	2.5	0 14	4 32	2.4	4.1	43.69
R 20356	2.3	0.4	< 0.1	< 0.05	< 0 1	0.004	< 0.5	0 17	3 80	1 5	2.8	37 94
R 20357	2.8	0 4	< 0 1	< 0 05	< 0 1	0.006	2 6	0.18	4 44	1.1	3.5	37.56
R 20358	2 9	0 4	< 0.1	< 0.05	< 0 1	0 005	2 8	0.19	4 99	2 9	3 4	25.23
R 20359	4 3	0 6	< 0 1	< 0.05	< 0.1	0 003	0 6	0 14	5.44	7 1	11 2	15 19
R 20360	4.7	0 7	< 0.1	< 0 05	< 0.1	0.007	< 0.5	0 20	6 03	4 7	11.7	30.17
R 20361	3.2	0.5	< 0.1	< 0 05	< 0.1	0.001	1 7	0 33	8 83	20 1	12.5	8.59
R 20362	5.3	0.7	< 0.1	< 0 05	< 0.1	0.009	0.7	0 25	6 11	6.1	12.5	29.46
R 20363	4.2	0.6	< 0.1	< 0.05	< 0.1	0.005	< 0.5	0.54	7 91	14.7	12 1	15.21
R 20364	5.0	0 8	< 0 1	< 0 05	< 0 1	0.005	< 0.5	0.88	20.9	59.8	17 1	14 14
R 20365	5 8	0 8	< 0 1	< 0.05	< 0 1	0 005	3.7	0.30	6.43	11.0	10 4	21 67
R 20366	5.0	0 7	< 0.1	< 0 05	< 0 1	0 006	1.7	0 44	6 73	9 3	18 3	29.88
R 20367	2.0	0.3	< 0.1	< 0 05	< 0.1	0 002	2.1	0 22	4.68	7 0	8 5	16.39
R 20368	6.4	0 9	< 0.1	< 0.05	< 0 1	0.007	2 5	0.34	9 70	11.5	20 8	28 69
R 20369	2.8	0 4	< 0 1	< 0.05	< 0 1	0.005	< 0.5	0 17	5 61	3.9	6.1	18.09
R 20370	6.3	0.9	< 0 1	< 0.05	< 0.1	0.007	1.4	0 33	5 45	3 9	15 3	38 70
R 20371	5 0	0 7	< 0 1	< 0 05	< 0 1	0.008	< 0 5	0.35	3 20	1 7	8 8	40.65
R 20372	3 9	0 6	< 0.1	< 0.05	< 0.1	0.003	1.9	0 54	8.43	6.7	8.0	23.48
R 20373	0.3	< 0 1	< 0.1	< 0 05	0.4	0.002	1.4	0 08	3 01	4.8	0.6	1.31
R 20374	3.4	0.5	< 0 1	< 0 05	< 0 1	0.003	< 0 5	0.54	6 13	9.5	3.7	30.16
R 20375	4 2	0.6	< 0.1	< 0 05	< 0.1	0 003	< 0 5	0 16	4.52	2 7	3 0	24 21
R 20376	3.5	0 6	< 0 1	< 0 05	< 0.1	0.007	< 0.5	0 21	4.01	2 2	3 7	32.79
R 20377	2 8	0.4	< 0.1	< 0.05	0.1	0.007	< 0 5	0 26	4.67	3 2	4 0	21 80
R 20378	4 2	0.6	< 0 1	< 0.05	< 0.1	0.001	< 0.5	0 20	5 51	3.3	5 5	33 37
R 20379	2.0	0 3	< 0 1	< 0 05	< 0.1	0.005	2 1	0.26	4.69	3 1	2.3	33 17
R 20380	3.2	0.5	< 0 1	< 0.05	< 0.1	0.008	< 0 5	0.42	6 29	4 3	5.5	26 18
R 20381	3.3	0 5	< 0.1	< 0.05	< 0.1	0.002	0.8	0 23	3 34	8.9	3.1	39.93
R 20382	4 8	0 7	< 0.1	< 0.05	< 0.1	0 007	0 9	0.34	4 70	5.2	4 7	25 44

Analyte Symbol	Yb	Lu	Hf	Ta	W	Re	Au	Tl	Pb	Th	U	LOI
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	%
Detection Limit	0.1	0.1	0.1	0.05	0.1	0.001	0 5	0.02	0.01	0.1	0 1	
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	GRAV
R 20383	6 4	0 8	< 0 1	< 0.05	< 0.1	0.008	1 8	0.55	8 16	19 2	7.6	32.13
R 20384	4 7	0.7	< 0 1	< 0 05	< 0 1	0.005	< 0.5	0.17	2 59	4 0	6.5	45.48
R 20385	8 1	1.2	< 0.1	< 0 05	< 0 1	0 007	4.1	0.26	9 33	5 7	17.2	32.19
R 20386	2.6	0 4	< 0.1	< 0.05	< 0 1	0.006	< 0.5	0.31	7 58	8 9	6.7	23 68
R 20387	3 4	0.5	< 0.1	< 0.05	< 0 1	0.003	0.9	0.19	6 43	4 5	15 4	41.40
R 20388	2 0	0 3	< 0.1	< 0.05	< 0.1	0.003	1.0	0 18	5 82	5 0	7.3	17 06
R 20389	4.1	0 6	< 0 1	< 0.05	< 0.1	0.003	0 5	0 32	4.71	5 9	30.1	32 74
R 20390	4.7	0 7	< 0 1	< 0.05	< 0.1	0 008	2.3	0.51	13.7	8 7	30.6	31 06
R 20391	0.8	0 1	< 0 1	< 0.05	0 1	0.003	< 0.5	0 12	4.26	7 3	3 6	5.72
R 20392	6.7	0 9	< 0.1	< 0.05	< 0.1	0.006	1 0	0 50	7.51	23.0	29 8	15.43
R 20393	2.3	0.3	< 0.1	< 0 05	< 0 1	0.006	< 0.5	0.27	5.58	13.4	4.5	10.98
R 20394	4.3	0.7	< 0 1	< 0.05	< 0 1	0 005	3.2	0.71	14 9	33 7	7.9	20.81
R 20395	5 3	0.8	< 0.1	< 0.05	< 0 1	0.008	0.9	0.94	12.6	36 6	21.6	12.06
R 20396	1.1	0 2	< 0 1	< 0.05	< 0.1	0.002	< 0 5	0 38	8 28	20 3	4.5	2.97
R 20397	2.7	0.4	< 0.1	< 0.05	< 0 1	0.004	2.1	0.22	2 77	5 7	4 1	34.91
R 20398	3.0	0 5	< 0.1	< 0.05	0 1	0.004	2 0	0.43	6 77	9.4	44.1	28.03
R 20399	1.1	0.2	< 0.1	< 0.05	0 1	0.002	< 0.5	0.11	6.72	5.5	7 1	9.40
R 20400	1.7	0.3	< 0.1	< 0 05	< 0.1	0.001	4.2	0.38	9.01	17 7	8 3	6.40
R 20401	1.9	0.3	< 0.1	< 0 05	< 0 1	< 0.001	1 6	0.34	7.48	20.3	10.9	7.15
R 20402	2.7	0 4	< 0.1	< 0 05	0.1	0.005	4.4	0.33	5.98	13.6	18 0	24.06
R 20403	2.0	0.3	< 0 1	< 0 05	0.1	0.004	5.2	0.47	9.50	24.5	10.2	8.58
R 20404	3.6	0.5	< 0.1	< 0 05	< 0 1	0.003	1.0	0.38	5.31	10.4	17.7	23.39
R 20405	1 6	0.2	< 0.1	< 0.05	< 0.1	0.004	4.5	0.26	5.23	7.4	7.0	33 31
R 20406	3.1	0.5	< 0.1	< 0 05	< 0 1	0.001	3.0	0.35	9.66	23.6	6 3	11.37
R 20407	4 1	0 6	< 0 1	< 0 05	< 0 1	0.005	3.0	0 43	8.50	17 3	8 9	23.84
R 20408	2.2	0.3	< 0 1	< 0.05	< 0.1	0.002	7.2	0 34	6 72	7.6	5 2	39.77
R 20409	4 5	0 7	< 0.1	< 0.05	< 0 1	0.003	5.2	0.24	8.53	9 8	8 9	10.76
R 20410	4.4	0 7	< 0 1	< 0.05	< 0.1	0.006	< 0.5	0 28	8 38	7 3	10.8	28.18
R 20411	4 3	0 7	< 0.1	< 0.05	< 0.1	0.006	2.9	0 19	8 34	4 6	10.4	27.85
R 20412	3.3	0 5	< 0.1	< 0.05	< 0 1	0.003	3.0	0 30	5 99	8 1	8 8	25.80
R 20413	6.2	0.9	< 0 1	< 0.05	< 0 1	0.003	4 2	0 20	2 57	3 0	3 4	44.58
R 20414	3.9	0.6	< 0.1	< 0 05	< 0.1	0.021	3 0	0 22	22 0	4 0	42 5	27.84
R 20415	5 8	0 9	< 0 1	< 0 05	< 0.1	0.008	2.7	0.42	6.89	2.4	40.7	40.60
R 20416	3.7	0 6	< 0 1	< 0 05	< 0.1	0.006	9.0	0.27	36 9	1.1	22.8	29.74
R 20417	4.0	0 6	< 0 1	< 0 05	< 0.1	0.008	1.6	0.54	30 0	1.2	72.7	37.97
R 20418	3 2	0.5	< 0 1	< 0 05	< 0.1	0.007	6 1	0.26	4.83	2 3	9 7	30.92
R 20419	2 2	0.3	< 0 1	< 0.05	< 0.1	< 0 001	< 0.5	0 25	13 8	5 2	16 0	21.95
R 20420	1 5	0.2	< 0.1	< 0.05	0 2	0.003	3 4	0.25	5.22	3 4	4 5	22.28
R 20421	1.4	0.2	< 0.1	< 0 05	< 0 1	0.001	6.4	0.37	8.75	11.4	4.1	20.86
R 20422	4.4	0 7	< 0.1	< 0 05	< 0 1	0 007	5.8	0.46	12 0	20.9	7 1	26.77
R 20423	3.0	0.5	< 0 1	< 0 05	< 0.1	0.003	3 5	0.18	5 24	5.5	6.1	28.73
R 20424	3 1	0.5	< 0.1	< 0.05	< 0.1	0.005	6 9	0 16	7 22	11 0	23.1	10.82
R 20425	3.4	0.5	< 0 1	< 0.05	< 0.1	0.005	6 3	0 29	15 0	3 3	56.9	33.11
R 20426	4.4	0.6	< 0 1	< 0.05	< 0.1	0 006	4.6	0 29	7 26	3.0	30.2	37.45
R 20427	2.0	0 3	< 0.1	< 0 05	< 0 1	0.011	1.6	0.35	8 19	13.2	28 5	12.76
R 20428	4.0	0.6	< 0.1	< 0 05	< 0 1	0.018	1.1	0.23	16.0	2.6	49.0	42.58
R 20429	4.4	0.6	< 0.1	< 0.05	< 0 1	0.004	7.0	0 35	3.58	7.8	4.5	33.24
R 20430	4.9	0.7	< 0.1	< 0 05	< 0 1	0.004	4.8	0 29	5.88	9 2	6.3	28.00
R 20431	0.4	< 0 1	< 0.1	< 0 05	0.2	< 0 001	1 2	0 08	5.12	10 5	0 9	3.42
R 20432	3.3	0.5	< 0 1	< 0.05	< 0 1	0.003	< 0 5	0 17	5 55	3 8	5.3	31.41
R 20433	3 0	0.4	< 0.1	< 0 05	< 0 1	0 002	2 0	0 18	7 17	4 0	5.4	26.14
R 20434	3.6	0.5	< 0.1	< 0.05	< 0 1	0 003	6 0	0 60	16 3	19 7	7 1	21.78

Analyte Symbol	Yb	Lu	Hf	Ta	W	Re	Au	Tl	Pb	Th	U	LOI
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	%
Detection Limit	0.1	0.1	0.1	0.05	0.1	0.001	0.5	0.02	0.01	0.1	0.1	
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	GRAV
R 20438	2.8	0.4	< 0.1	< 0.05	< 0.1	0.004	6.2	0.38	3.62	8.0	10.8	36.67
R 20439	3.0	0.4	< 0.1	< 0.05	< 0.1	0.006	1.1	0.20	4.99	5.4	16.4	35.28
R 20440	1.3	0.2	< 0.1	< 0.05	< 0.1	0.001	< 0.5	0.20	4.59	7.1	10.7	10.72
R 20441	3.5	0.5	< 0.1	< 0.05	< 0.1	0.002	< 0.5	0.56	10.6	16.5	11.4	20.90
R 20442	1.9	0.3	< 0.1	< 0.05	< 0.1	0.004	1.3	0.08	5.67	2.9	5.5	32.15
R 20443	3.2	0.4	< 0.1	< 0.05	< 0.1	0.002	2.1	0.16	5.00	3.2	4.7	26.97
R 20444	1.1	0.2	< 0.1	< 0.05	0.1	< 0.001	1.2	0.20	6.16	12.4	4.2	3.13
R 20445	2.8	0.4	< 0.1	< 0.05	< 0.1	0.006	3.0	0.19	4.21	6.1	5.1	23.26
R 20446	0.5	< 0.1	< 0.1	< 0.05	0.2	0.003	4.7	0.08	4.92	8.4	0.9	2.82
R 20447	3.5	0.5	< 0.1	< 0.05	< 0.1	0.005	3.2	0.19	4.69	9.3	7.9	13.87
R 20448	3.3	0.5	< 0.1	< 0.05	< 0.1	0.003	6.6	0.43	4.39	10.8	6.6	16.68
R 20449	2.8	0.4	< 0.1	< 0.05	< 0.1	0.005	1.5	0.27	3.39	5.5	7.5	29.88
R 20450	3.3	0.5	< 0.1	< 0.05	< 0.1	0.002	< 0.5	0.14	4.04	4.4	8.4	37.60
R 20451	1.8	0.3	< 0.1	< 0.05	< 0.1	0.003	1.2	0.15	6.77	3.0	8.0	31.89
R 20452	4.0	0.6	< 0.1	< 0.05	< 0.1	0.010	5.8	0.34	3.88	3.6	15.5	35.61
R 20453	1.3	0.2	< 0.1	< 0.05	< 0.1	0.003	3.1	0.34	7.70	19.3	5.3	3.75
R 20454	1.7	0.2	< 0.1	< 0.05	< 0.1	< 0.001	1.2	0.39	6.95	20.7	5.7	10.15
R 20455	6.2	0.9	< 0.1	< 0.05	< 0.1	0.009	4.2	0.34	5.85	15.2	8.7	35.22
R 20456	6.2	0.9	< 0.1	< 0.05	< 0.1	0.007	7.7	0.21	5.62	7.5	13.0	36.70
R 20457	2.3	0.3	< 0.1	< 0.05	< 0.1	0.002	4.2	0.25	7.79	17.5	5.8	11.80
R 20458	1.8	0.3	< 0.1	< 0.05	< 0.1	0.002	3.3	0.42	8.29	22.4	3.3	9.65
R 20459	3.8	0.6	< 0.1	< 0.05	< 0.1	0.004	7.6	0.22	6.35	15.2	7.5	17.13
R 20460	3.9	0.6	< 0.1	< 0.05	< 0.1	0.004	5.1	0.24	3.89	8.2	3.8	37.51
R 20461	5.0	0.7	< 0.1	< 0.05	< 0.1	0.009	7.0	0.42	7.19	25.2	8.4	22.26
R 20462	5.5	0.8	< 0.1	< 0.05	< 0.1	0.002	7.1	0.48	4.69	17.8	7.4	38.24
R 20463	3.2	0.5	< 0.1	< 0.05	< 0.1	< 0.001	1.0	0.30	7.98	7.1	17.4	29.19
R 20464	6.6	1.0	< 0.1	< 0.05	< 0.1	0.019	1.4	0.26	12.4	2.5	89.1	32.48
R 20436	3.9	0.5	< 0.1	< 0.05	< 0.1	0.005	4.9	0.22	3.63	3.1	10.4	42.20
R 20437	3.0	0.4	< 0.1	< 0.05	< 0.1	0.001	< 0.5	0.15	5.84	5.1	7.4	21.32

Quality Control

Analyte Symbol	Li	Be	B	Na	Mg	Al	K	Bi	Ca	Sc	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Rb	Sr
Unit Symbol	ppm	ppm	ppm	%	%	%	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0 1	0.1	1	0.001	0 01	0.01	0.01	0.02	0 01	0.1	1	0.5	1	0.01	0 1	0.1	0.01	0.1	0 02	0 1	0.1	0 1	0.1	0.5
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
GXR-1 Meas	4 4	0 8	11	0.023	0.12	0.31	0.03	1560	0 71	1.1	65	5.0	713	25 5	7 5	37.0	1080	777	3 73		369	16 9	2 1	165
GXR-1 Cert	8.20	1.22	15.0	0.0520	0.217	3.52	0.0500	1380	0.960	1 58	80 0	12.0	852	23 6	8 20	41.0	1110	760	13.8		427	16.6	14 0	275
DH-1a Meas																								
DH-1a Cert																								
GXR-4 Meas	9.0	1.5	3	0 108	1.29	2.47	1.54	19 6	0.73	5.5	68	50 1	118	3 10	14.6	41.4	6300	74.5	9.95		87.8	5.6	94.3	69.6
GXR-4 Cert	11.1	1.90	4.50	0 564	1 66	7.20	4.01	19.0	1 01	7.70	87.0	64.0	155	3.09	14 6	42.0	6520	73 0	20 0		98.0	5.60	160	221
LKSD-1 Meas																								
LKSD-1 Cert																								
GXR-6 Meas	24 7	0 9	4	0.057	0.31	5.86	0.90	0 15	0 16	17 3	129	62 4	746	5 50	12 7	21.6	60.2	117	16 4		164	< 0 1	56 2	36.6
GXR-6 Cert	32 0	1 40	9.80	0 104	0 609	17 7	1.87	0 290	0 180	27.6	186	98 0	1010	5 58	13 8	27.0	66 0	118	35 0		330	0.940	90 0	35 0
LKSD-3 Meas																								
LKSD-3 Cert																								
OREAS 13b (4-Acid) Meas															50.6	2350	2380				47 8			
OREAS 13b (4-Acid) Cert															75	2247	2327				57			
R 20289 Orig	8 8	0 4	4	0.030	0.23	1 15	0.13	0 02	0 26	0 8	12	11 7	89	0 92	5.8	17.9	101	86 2	2 37	0 5	< 0.1	1.9	15.6	21.7
R 20289 Dup	8 7	0.4	5	0.031	0.24	1.14	0.12	0 02	0 26	0.8	12	11 6	88	0.90	5 5	17.2	103	88 0	2.33	0.5	0.8	2 3	15 3	21 4
R 20294 Orig																								
R 20294 Dup																								
R 20303 Orig	12.4	1.2	5	0.029	0 42	2.39	0 18	0.03	0.32	2.0	30	18 4	162	2.51	8.8	18.8	112	98 8	3.99	0 7	0.4	2 6	24 5	24 9
R 20303 Dup	11.3	0.9	5	0.030	0 40	2.26	0.16	0 04	0.30	1.8	28	17.6	153	2.27	8 0	17 1	107	94 4	4.10	0 6	0 8	2.5	22.6	22.9
R 20316 Orig	10.7	1.0	5	0.026	0.36	1.66	0.16	0 04	0.24	2.5	31	18.5	178	4 05	9 4	13.2	98 8	168	3.56	0 5	1.0	2.6	17.6	21 5
R 20316 Dup	9.9	0.9	5	0.023	0 36	1 69	0.15	0 04	0.22	2 4	27	17 5	178	4 05	9.0	12 8	92 8	161	3.36	0 5	0.4	2.3	16.8	19.6
R 20323 Orig																								
R 20323 Dup																								
R 20330 Orig	15 1	0.6	4	0 037	0.47	1.47	0 19	0 04	0.36	3 1	29	32.9	166	2.06	8.9	24.4	97 3	140	4 29	0.6	0.8	1 5	21 5	25 9
R 20330 Dup	14 3	0.6	3	0.035	0.45	1 43	0 18	0.03	0 33	2 9	26	31.0	161	2.01	8 5	22.8	91 3	133	4.09	0 5	1.1	1.6	20 3	23 8
R 20354 Orig																								
R 20354 Dup																								
R 20355 Orig	3 8	0.2	3	0 024	0 09	1.08	0.06	0.04	0.35	0.5	9	8.8	64	0 73	2.9	9.9	59.0	60.2	1.24	0.4	1 4	2.0	8.5	20 7
R 20355 Dup	4 0	0.4	3	0.028	0 10	1 22	0.07	0.03	0 38	0.5	8	9 8	72	0.82	3.5	11 2	62.2	58.6	1.30	0.4	0.7	2.2	9 0	21 6
R 20369 Orig	11.1	0 3	2	0.025	0.39	1.32	0.19	0.04	0.24	1 9	32	22 7	160	2 16	6.7	14.3	68 3	93 2	3 91	0 3	0.6	1.1	22.6	22.0
R 20369 Dup	11.0	0.4	2	0.026	0 38	1.34	0.20	0.04	0.25	1.8	30	20 7	164	2 26	7 0	13 8	67 2	91.7	3.85	0 3	1.3	1.3	22.6	22.1
R 20382 Orig	8.2	0 6	6	0.024	0 28	1.44	0.14	0.03	0 27	1.7	24	19 2	132	2 21	6 3	12 6	80 6	100	2.82	0.6	1.6	2.2	15.7	25.6
R 20382 Dup	8.5	0 7	6	0 024	0.27	1.37	0.14	0.03	0 27	1.6	27	18.8	128	2.15	6 2	12.9	83.1	102	2.74	0.6	< 0.1	2.5	16.2	26.1
R 20383 Orig																								
R 20383 Dup																								
R 20396 Orig	18.6	0.4	2	0.038	0.77	1.55	0.44	0.04	0.47	3.9	45	22 8	346	2 86	14 6	17 0	40 9	89 9	6 88	0 2	0.2	0 3	47.8	47.5
R 20396 Dup	19.7	0.4	3	0.041	0 76	1.55	0.46	0 04	0.49	4.3	51	23 3	343	2.86	14.7	18.3	42.7	91 7	7.15	0 2	< 0 1	0 5	50.2	51.4
R 20412 Orig	15.5	0 5	2	0.039	0 46	1.73	0 28	0 04	0 37	2.5	28	25 5	173	1.66	8.1	20.3	92 5	142	4 52	0 4	2 0	2 3	27 4	25.5
R 20412 Dup	14.9	0.5	2	0.035	0.48	1.76	0.27	0 04	0 37	2 6	28	26 5	175	1.63	7.9	19.6	93.7	141	4 66	0 4	1.0	1 5	27 3	24 3
R 20426 Orig	6.8	0 5	5	0 040	0.22	1 96	0.13	0.04	0.33	1 5	20	19 9	122	4.67	9.9	17.7	138	151	2 40	0.3	2.2	1.9	12.2	21 1
R 20426 Dup	6.6	0 5	6	0 043	0.24	2.04	0.13	0.05	0 33	1 3	23	21 3	126	4.74	9 9	18.4	142	157	2.41	0.4	1.7	2.0	12.7	22 4
R 20442 Orig	5.1	0.5	2	0.025	0 16	1.89	0.10	0.03	0 30	1.0	17	44 4	70	0.88	4.3	15 0	76.9	40.9	2 62	0 3	1.7	1.7	8 3	22.3
R 20442 Dup	4.7	0.4	2	0.022	0.16	1 88	0.09	0 03	0.29	0.8	12	44 3	67	0 85	4.1	14.0	71.9	38.8	2 49	0 2	< 0.1	1.0	7.5	20.8
R 20444 Orig																								
R 20444 Dup																								
R 20456 Orig	9.7	0 9	4	0 035	0.30	2.51	0.18	0.03	0.34	2 6	27	31.7	129	1.79	7 4	23.9	162	86 2	3 29	0 8	0.6	2 6	19 2	22 4
R 20456 Dup	8 9	0 8	5	0 037	0.31	2.57	0.18	0.04	0 31	2.4	23	31.8	131	1.78	7 2	23.3	153	84.7	3.40	0 7	1.1	2 9	18.9	22 5
R 20462 Orig	12.1	0.7	15	0 036	0 41	2 22	0 20	0 03	0 33	3 4	31	19 0	142	3 53	9 1	20 0	123	130	4 16	0 7	2.0	2.5	28 1	20.7
R 20462 Dup	11 1	0.6	13	0 035	0.42	2 28	0.21	0 02	0.32	3.0	26	18 8	147	3 63	9.1	20.3	120	127	4.09	0 7	2.4	2 7	27.8	20.7
R 20463 Orig	12.5	0 4	2	0 042	0.43	1 61	0.21	0 03	0.32	1 8	19	17 7	145	1.35	9.0	21.4	92 2	102	3 98	0 4	1.9	1 5	26 9	27.6
R 20463 Dup	13.1	0 6	3	0.045	0.43	1.60	0 22	0.03	0.35	2.1	23	19.4	148	1 38	9 3	22.0	96 3	107	4.28	0.4	0.9	1.5	28.8	29 7
R 20464 Orig	12.2	0.7	4	0.056	0.45	1 47	0.12	0 10	0.42	2.3	24	30.3	122	0 95	6 9	27.4	191	81 7	3 20	0 7	1.0	5.2	14.5	22 7
R 20464 Dup	11.4	0.6	5	0.064	0 49	1.57	0.12	0.10	0.41	2.7	21	31 7	126	0.97	6 8	26.7	181	87 5	3 37	0 7	2.2	4.9	14 6	23 1
Method Blank Method Blank	< 0.1	< 0.1	< 1	< 0 001	< 0.01	< 0.01	< 0.01	< 0.02	< 0 01	< 0 1	< 1	< 0.5	< 1	< 0 01	< 0 1	< 0.1	< 0 01	< 0.1	< 0 02	< 0 1	< 0.1	< 0 1	< 0 1	< 0 5

Quality Control

Analyte Symbol	Y	Zr	Nb	Mo	Ag	Cd	In	Sn	Sb	Te	Cs	Ba	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	0.01	0 1	0.1	0.01	0.002	0.01	0.02	0 05	0.02	0.02	0 02	0.5	0.5	0.01	0.1	0.02	0 1	0 1	0.1	0.1	0.001	0.1	0 1	0.1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
GXR-1 Meas	25.3	15.7	0 4	17 4	30 6	2 51	0 71	23 3	91 0	13.5	2.64	237	4 2	11 0		6.01	2 2	0 5	3.5	0 6	4.49			0 4
GXR-1 Cert	32 0	38 0	0 800	18 0	31 0	3 30	0 770	54.0	122	13.0	3 00	750	7.50	17 0		18.0	2.70	0.690	4 20	0 830	4.30			0 430
DH-1a Meas																								
DH-1a Cert																								
GXR-4 Meas	11.0	10.7	0 2	314	3.58	0 12	0 20	5 35	3 45	0 99	2.43	30.5	48.3	93 4		35.3	5.6	1.3	4 3	0 5	2.51			0 1
GXR-4 Cert	14.0	186	10 0	310	4.00	0.860	0.270	5 60	4 80	0.970	2.80	1640	64 5	102		45.0	8.60	1.63	5 25	0 360	2 60			0.210
LKSD-1 Meas																								
LKSD-1 Cert																								
GXR-6 Meas	5.71	12.7	0 1	1.56	0.270	0 11	0 05	0.88	1 76	0 07	3.14	1200	10 4	30 4		10.0	2.0	0.5	1.8	0.2	1 42			0 1
GXR-6 Cert	14 0	110	7 50	2 40	1 30	1.00	0.260	1.70	3.60	0 0180	4.20	1300	13 9	36.0		13.0	2.67	0.760	2.97	0.415	2.80			0 0320
LKSD-3 Meas																								
LKSD-3 Cert																								
OREAS 13b (4-Acid) Meas				8.55	0.854																			
OREAS 13b (4-Acid) Cert				9 0	0.86																			
R 20289 Orig	72.3	1.3	1.3	4.49	0.134	0 52	< 0.02	0.21	0.08	< 0.02	0 83	51.3	340	355	84.9	305	39.6	5 9	27 4	2.6	12.6	2.3	6.0	0.8
R 20289 Dup	73.1	1 3	1 3	4.28	0.143	0 54	< 0.02	0.23	0 03	< 0.02	0.60	50 1	344	362	87.6	315	40.5	6 0	26.8	2.5	12.7	2.4	6 2	0 8
R 20294 Orig																								
R 20294 Dup																								
R 20303 Orig	94 4	2.1	1.8	5 33	0 254	0 60	< 0 02	0 34	0.04	0.03	0.83	91 1	353	638	85 9	351	49.2	7 8	35 1	3.5	18.0	3.3	8.8	1.2
R 20303 Dup	89 6	1 8	1 6	4 77	0.211	0 57	< 0.02	0.30	0.03	< 0 02	0.80	80 0	338	615	93.8	344	48.1	7 6	32 7	3 3	17 0	3.1	8 3	1 2
R 20316 Orig	47.6	1 9	1.9	7 09	0.057	0 67	< 0.02	0 31	0.04	< 0.02	0.78	66.6	326	395	76 5	257	31.6	4.3	18.8	1 8	8 97	1.7	4 3	0.6
R 20316 Dup	45.4	1 9	1.7	6 99	0.012	0 61	< 0.02	0 31	0.05	< 0.02	0 77	62 8	310	376	73.2	251	31.0	4 3	19.3	1.8	8 57	1 5	4 1	0 6
R 20323 Orig																								
R 20323 Dup																								
R 20330 Orig	52.1	3 2	2 4	8 78	0 044	0 36	< 0.02	0 47	0.03	< 0.02	1.01	89 6	310	365	85.2	309	40.2	5.4	23 7	2.3	11.1	2.0	5.1	0.7
R 20330 Dup	49.6	2 7	2 2	8 35	0 051	0 34	< 0.02	0 53	0.03	< 0.02	1.02	87.1	295	347	80.6	292	38.7	5.3	23.3	2.2	10.6	1.8	4.8	0.6
R 20354 Orig																								
R 20354 Dup																								
R 20355 Orig	46.5	1 1	0 7	7 03	0.384	0 69	< 0 02	0 21	0.05	< 0.02	0.24	50 2	380	430	85.6	283	34 3	4 7	21 0	2 1	10 3	1.9	4.8	0.6
R 20355 Dup	50.0	1 0	0 9	7 55	0 406	0.64	< 0 02	0 20	0.05	< 0.02	0.25	52 7	384	433	85.8	286	35 1	4 9	22.1	2.2	10.7	1.9	4.8	0.6
R 20369 Orig	36.0	1.5	1.3	2.30	0.123	0.40	< 0 02	0 39	0 04	0.05	0.81	95 0	198	338	49.5	171	23.0	3 4	14 8	1 5	7 53	1.4	3 7	0 5
R 20369 Dup	35 5	1.7	1.3	2 36	0.111	0.31	< 0.02	0.38	0.04	< 0.02	0.81	96.1	193	329	47.9	166	22.4	3 3	15 2	1.5	7.38	1.3	3 4	0.5
R 20382 Orig	71.0	1.7	1 3	4.97	0.317	0.58	< 0 02	0.28	0.02	0.02	0 44	62.7	465	719	113	387	47.3	6 6	30 1	2.8	13.5	2 4	6.5	0.9
R 20382 Dup	72 2	1.9	1 3	4 91	0.328	0.54	< 0.02	0 27	0.04	< 0.02	0 45	66.4	484	752	117	393	47.0	6.6	29 9	2.8	14.1	2 6	6.7	0.9
R 20383 Orig																								
R 20383 Dup																								
R 20396 Orig	13 2	9.4	2.8	4 13	0.106	0.13	0 02	0 83	0.03	0.02	1 14	152	90.0	150	20.7	73.3	9.9	1 5	6 4	0 6	3 03	0 5	1 4	0.2
R 20396 Dup	13 7	9 6	3 3	4 47	0 097	0 16	0 02	0 82	0.03	< 0.02	1 16	157	93 7	156	21.4	74.5	10 3	1 5	6 4	0 6	3 11	0.5	1.5	0.2
R 20412 Orig	47.8	3.2	2.0	3.69	0.332	0 73	< 0.02	0 39	0 04	< 0.02	0 97	70 5	290	328	74 0	263	33.1	4 6	20 5	2.0	9.63	1.7	4 4	0.6
R 20412 Dup	48.2	2.9	1 9	3 60	0.306	0.68	< 0.02	0 41	0 05	0.05	0.97	95 3	292	330	75 2	267	33.5	4 6	20.7	1.9	9 62	1 7	4.5	0 6
R 20426 Orig	66.9	1.8	1.1	14.6	0.635	0 34	< 0.02	0 41	0.05	< 0.02	0 65	28.3	316	449	76.0	271	36.4	5.8	24.1	2.4	12 4	2 3	5 8	0 8
R 20426 Dup	69 2	1 7	1.1	15.2	0 433	0 52	< 0.02	0.32	0.07	< 0.02	0.63	29.6	322	459	78 7	279	37.8	5.9	24.8	2.5	12.8	2 3	6.0	0 8
R 20442 Orig	27.1	1 2	1 7	4 15	0 192	0.51	< 0 02	0 18	< 0.02	0.02	0.35	48.6	186	311	45.9	164	21 9	3 0	13 2	1 3	6 25	1 0	2.6	0.3
R 20442 Dup	25 6	1 0	1 7	3.95	0 205	0.51	< 0.02	0 23	0 02	< 0.02	0.35	49 9	177	296	44.6	159	21 6	2 9	13 0	1.2	6 11	1 0	2.6	0.3
R 20444 Orig																								
R 20444 Dup																								
R 20456 Orig	87.3	2 5	2.0	7 88	0 439	0.77	< 0.02	0 30	0 03	0.05	0 60	60.6	510	870	146	517	66.5	8.5	39 4	3.9	19.6	3 4	8.6	1 1
R 20456 Dup	85 8	2 6	1.9	7 85	0 447	0 69	< 0.02	0 27	0.03	< 0 02	0.57	63.8	501	854	144	516	66.6	8.4	39.3	3.8	18.9	3 3	8 5	1 1
R 20462 Orig	86.0	5.1	2 1	5 99	0.656	0.45	< 0 02	0.30	0.03	< 0.02	0.71	43 6	520	813	137	482	60.3	7.9	36 2	3 6	17 6	3 1	7 8	1.0
R 20462 Dup	84 8	4.0	2 2	6.00	0 633	0.42	< 0.02	0 31	0 02	0 10	0.76	60 5	520	818	138	484	61.7	8.0	37.6	3 6	17 7	3 1	7 8	1 0
R 20463 Orig	49.3	2.9	1 6	2 95	0 358	0.39	< 0 02	0 31	0 03	0.11	1 03	30.6	265	399	69.4	253	34.2	4.6	21 5	2.1	10.3	1.8	4 5	0 6
R 20463 Dup	52.1	3.1	1.6	3 04	0 377	0.37	< 0 02	0 33	0.02	< 0.02	1.06	38 3	280	422	73.5	263	35 7	4 8	21 5	2 1	10 7	1 9	4 8	0 6
R 20464 Orig	83 2	1.3	1.1	12.2	0.971	0.44	< 0 02	0.23	0 04	0 04	1 76	48 7	207	289	70 6	242	39.6	6 1	26.5	3.2	15 7	2 9	7.9	1 1
R 20464 Dup	82.6	1 6	1 3	12 5	0 921	0.44	< 0 02	0 22	0.04	0 03	1.81	39.4	200	281	68.7	239	39 0	6 2	29.8	3.1	15 4	2.8	7 5	1.0
Method Blank Method Blank	< 0.01	< 0 1	< 0 1	< 0.01	< 0.002	< 0 01	< 0.02	< 0 05	< 0.02	< 0.02	< 0.02	< 0.5	< 0 5	< 0 01	< 0 1	< 0 02	< 0 1	< 0.1	< 0 1	< 0 1	< 0.001	< 0 1	< 0.1	< 0.1

Quality Control

Analyte Symbol	Yb	Lu	Hf	Ta	W	Re	Au	Tl	Pb	Th	U	LOI
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	%
Detection Limit	0 1	0.1	0 1	0.05	0 1	0 001	0 5	0.02	0.01	0.1	0.1	
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	GRAV
GXR-1 Meas	1.9	0.3	< 0 1	< 0 05	157		3300	0.35	754	3 4	34.9	
GXR-1 Cert	1.90	0.280	0.960	0.175	164		3300	0.390	730	2.44	34 9	
DH-1a Meas										> 200	2550	
DH-1a Cert										910	2630	
GXR-4 Meas	0.8	0.1	0.3	< 0.05	12.3		451	2.74	50 8	19.7	5.2	
GXR-4 Cert	1 60	0.170	6.30	0.790	30.8		470	3.20	52.0	22.5	6 20	
LKSD-1 Meas												23.40
LKSD-1 Cert												23.5
GXR-6 Meas	0 6	< 0.1	< 0 1	< 0.05	< 0.1		40.7	1.54	98.4	5 1	0.8	
GXR-6 Cert	2 40	0.330	4.30	0.485	1 90		95.0	2 20	101	5.30	1.54	
LKSD-3 Meas												11.60
LKSD-3 Cert												11.8
OREAS 13b (4-Acid) Meas												
OREAS 13b (4-Acid) Cert												
R 20289 Orig	4 5	0.7	< 0.1	< 0.05	< 0 1	0.001	< 0.5	0.23	3.75	3 4	9.3	
R 20289 Dup	4 7	0 7	< 0.1	< 0.05	< 0.1	< 0.001	< 0 5	0.24	3.91	3 0	9.5	
R 20294 Orig												30 33
R 20294 Dup												30 33
R 20303 Orig	6.5	0 9	< 0 1	< 0 05	< 0 1	0.004	1 3	0 23	5 13	4 9	6.0	
R 20303 Dup	6.5	0.9	< 0 1	< 0 05	< 0 1	0 002	1 8	0.24	5.05	4 5	5 8	
R 20316 Orig	3 3	0.5	< 0 1	< 0 05	< 0.1	0 002	1.5	0.25	4 97	8 2	8 2	
R 20316 Dup	3.2	0.5	< 0 1	< 0 05	< 0.1	0.001	2.2	0.26	4.91	6.6	7.9	
R 20323 Orig												33 28
R 20323 Dup												33 28
R 20330 Orig	3.6	0 5	< 0.1	< 0.05	< 0.1	0.005	1.6	0.23	5 48	9.2	24 2	
R 20330 Dup	3.4	0 5	< 0.1	< 0.05	< 0 1	0.003	< 0 5	0.22	5 43	9.5	23 0	
R 20354 Orig												27.50
R 20354 Dup												27.50
R 20355 Orig	3.3	0 5	< 0 1	< 0 05	< 0.1	0.005	3.8	0 13	4 32	2 9	4 1	
R 20355 Dup	3.3	0.5	< 0.1	< 0.05	< 0.1	0.006	1.3	0 15	4.32	1.9	4.2	
R 20369 Orig	2.7	0.4	< 0.1	< 0.05	< 0.1	0.006	1.8	0.17	5 95	4 5	6.3	
R 20369 Dup	2 6	0.4	< 0 1	< 0 05	< 0.1	0.005	< 0.5	0 16	5.27	3 3	6.0	
R 20382 Orig	4.8	0.7	< 0 1	< 0.05	< 0.1	0 005	0.8	0.33	4 67	5.4	4 5	
R 20382 Dup	4.9	0.7	< 0 1	< 0 05	< 0 1	0.008	1.0	0.35	4 74	5.0	4.9	
R 20383 Orig												32.13
R 20383 Dup												32.13
R 20396 Orig	1.0	0.2	< 0.1	< 0 05	< 0.1	0.003	< 0.5	0.38	8.22	20 6	4.4	
R 20396 Dup	1.1	0.2	0.1	< 0 05	< 0.1	0 002	1 5	0.39	8.33	20 0	4.6	
R 20412 Orig	3.2	0.5	< 0.1	< 0.05	< 0.1	0 001	5.3	0 29	5.96	7 8	6.7	25.80
R 20412 Dup	3 3	0.5	< 0.1	< 0.05	< 0 1	0.005	0.7	0 30	6 02	8.4	6.8	25.80
R 20426 Orig	4.3	0.6	< 0 1	< 0 05	< 0.1	0.006	8.4	0 28	7.24	3.3	30.0	
R 20426 Dup	4.4	0.7	< 0 1	< 0.05	< 0 1	0.006	0.9	0 30	7.28	2.7	30 3	
R 20442 Orig	1.8	0.3	< 0.1	< 0.05	< 0.1	0.002	0.8	0 07	5 62	3 5	5.5	
R 20442 Dup	1.9	0.3	< 0.1	< 0.05	< 0.1	0.005	1.9	0 09	5.72	2 2	5.5	
R 20444 Orig												3.13
R 20444 Dup												3.13
R 20456 Orig	6 1	0.9	< 0.1	< 0.05	< 0 1	0.007	6.4	0.21	5 64	8 1	13.1	
R 20456 Dup	6 3	0.9	< 0.1	< 0.05	< 0 1	0 007	9.0	0 22	5 60	6 9	12 9	
R 20462 Orig	5.4	0.8	< 0 1	< 0 05	< 0 1	0.003	8.4	0 47	4.60	19.1	7 3	
R 20462 Dup	5 6	0.8	< 0 1	< 0.05	< 0 1	0 002	5.7	0.50	4 77	16 4	7 5	
R 20463 Orig	3.1	0.5	< 0 1	< 0.05	< 0 1	0.008	1.0	0 29	7 83	7 2	17.1	
R 20463 Dup	3.3	0.5	< 0.1	< 0.05	< 0 1	< 0.001	1.0	0.31	8.12	7 1	17.7	
R 20464 Orig	6.6	1 0	< 0.1	< 0.05	< 0 1	0.021	1.9	0 26	12 4	2 4	70 2	
R 20464 Dup	6 6	1 0	< 0 1	< 0.05	< 0 1	0 018	1.0	0.26	12 3	2.5	68 0	
Method Blank Method Blank	< 0.1	< 0.1	< 0.1	< 0 05	< 0 1	< 0.001	< 0.5	< 0 02	< 0 01	< 0 1	< 0.1	

Quality Analysis ... **Actlabs** *Innovative Technologies*

Date Submitted: 24-Sep-10
Invoice No.: A10-6374
Invoice Date: 19-Oct-10
Your Reference:

Techni-Lab Abitibi Inc.(Actlabs)
184 Rue Principale
Ste-Germaine-Boule Quebec J0Z 1M0
Canada

ATTN: Andre Caouette

CERTIFICATE OF ANALYSIS

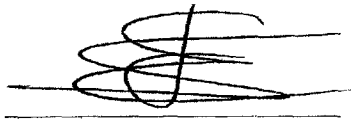
190 Pulp samples were submitted for analysis.

The following analytical packages were requested: Code 4F-LOI LOI
Code UT-1-0.5g Aqua Regia ICP/MS

REPORT **A10-6374**

Notes:
Assays are recommended for values >10,000 for Cu and Au.

CERTIFIED BY :



Emmanuel Eseme , Ph.D.
Quality Control

ISO/IEC 17025
SCC Accredited
LAB 266
LAB 266
Accrédité CCN

ACTIVATION LABORATORIES LTD.

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Activation Laboratories Ltd. Report: A10-6374

Analyte Symbol	Li	Be	B	Na	Mg	Al	K	Bi	Ca	Sc	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Rb	Sr
Unit Symbol	ppm	ppm	ppm	%	%	%	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0 1	0.1	1	0.001	0.01	0 01	0 01	0.02	0.01	0 1	1	0.5	1	0.01	0.1	0 1	0.01	0.1	0.02	0 1	0 1	0.1	0 1	0.5
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
R 20465	17 0	0 4	1	0.020	0.58	1.09	0.21	0 03	0 31	1.9	34	40.7	177	1 84	8 0	11.9	47.8	81.8	4.37	0.3	0.5	1.4	21.0	22 8
R 20466	17.0	1.1	7	0.029	0.64	1.76	0.24	0 04	0 47	2.6	36	24.9	194	2 26	9 5	23.9	159	144	5.29	1 0	0.8	4 0	31.0	31 1
R 20467	10 0	0.6	8	0.032	0 39	1 86	0.16	0 04	0.41	1.6	22	22.8	195	1 71	7.3	20.1	117	81.8	3.43	0 6	0.4	2.5	19 1	23 8
R 20468	9 4	0 4	5	0 032	0.40	1 68	0 14	0.04	0 37	1.4	18	20 2	120	1 31	6.2	20 9	92 5	84.0	3.53	0 6	1.2	2 8	18.7	23 0
R 20469	12.0	0 7	4	0 031	0.52	1.60	0.20	0 04	0 41	2.1	34	41.1	198	2 35	8.4	16.2	90 8	159	4.49	0.6	0.9	2.0	20 7	24.9
R 20470	17 0	0.6	7	0 025	0.63	1.45	0 29	0 04	0.42	2.8	30	24 4	214	2 01	8 1	18.7	73.7	133	5.42	0.5	1.1	1.6	37 5	25.9
R 20471	6 3	1 1	2	0.030	0 25	1 64	0.10	0.03	0.33	1 9	23	28 6	87	1.34	6 5	29.5	339	212	2 68	0.8	1.2	3.2	11.8	29.0
R 20472	3 6	0 4	2	0.024	0 14	1 57	0 06	< 0.02	0 32	0 8	7	13.2	51	0.68	3.2	11.0	140	90.6	1.62	0 5	0 3	2.2	6.0	33 4
R 20473	8 9	0 5	3	0 028	0.35	1 99	0.12	0 03	0.27	1 1	24	30.5	127	1.65	8.5	20.7	144	59 8	3 08	0 5	< 0.1	2.6	17.0	22 6
R 20474	19.0	1 0	3	0 025	0.62	2.53	0.27	0.06	0 23	2 7	43	32.1	220	3 01	10.2	26.6	387	99.0	6 05	0 7	1.1	3.9	41.3	23 3
R 20475	11.0	0 7	5	0.025	0 36	1.75	0 20	0.03	0 30	1 8	26	16 8	143	2.35	6 8	18.4	144	117	3.72	0 5	0.5	2 2	26.4	24 4
R 20476	8.9	0.3	2	0 020	0 20	1 06	0.09	< 0.02	0.27	0.9	8	11 8	72	0 56	3 8	10 1	74.1	82.9	1 93	0.5	0.5	2.0	11.6	27 5
R 20477	8 7	0 4	2	0.023	0.25	1 58	0.12	< 0.02	0 22	1.4	13	17 9	82	1.01	4 4	12.2	99 3	97.8	2.26	0 7	0.6	1.8	16 6	21 2
R 20478	16.0	0 5	4	0 028	0 46	1.70	0.23	0 02	0.28	1 8	23	22 8	126	1 46	7 3	20 9	157	84.9	4.03	0 8	0.3	2.1	34 0	27.9
R 20479	5.8	0.3	2	0.027	0 22	1.34	0 11	0 04	0 41	0 9	21	23.0	109	2.25	9.5	10 5	127	87.3	2.46	0 4	< 0.1	2.8	8 8	51 4
R 20480	7.5	0 3	4	0 026	0 27	1.53	0 13	0.03	0 34	1.2	20	18.3	149	2 72	12.8	18.6	133	160	2.90	0 5	0.2	2 7	15.9	30 0
R 20481	13.0	0.7	2	0 027	0 43	1.78	0 21	0.04	0 31	2 2	26	43.2	177	2.23	7.8	15.3	137	151	4.02	0 7	0.4	2.8	26.2	26 8
R 20482	13.0	0 6	2	0 023	0.43	1.74	0.19	0 03	0.22	1 9	22	22 1	156	1 54	8.3	18.7	167	87 2	3.61	0 6	< 0.1	1.8	29 0	22.2
R 20483	7.6	0 2	< 1	0 015	0.32	0.59	0 12	0.03	0.29	1.0	23	42 3	141	1 84	5 6	7.6	11.6	31 9	3.16	0 1	< 0.1	0 2	11 0	24.0
R 20484	5.0	1 3	7	0 023	0.19	1 36	0 08	< 0.02	0.32	0.6	15	20 0	58	0 68	4 1	10 1	213	69.0	1 90	0 9	1.4	3 4	9 2	22 6
R 20485	20.0	1 0	3	0.031	0.96	2.13	0 36	0.04	0.32	3.3	41	61 2	336	3.37	12 8	22.3	132	126	7 62	0.5	< 0.1	2.0	47.2	38.0
R 20486	12.0	0.5	9	0 022	0.40	1 90	0 23	0.05	0.34	2.4	30	18.3	151	2.58	7 3	16 1	133	99 3	4 05	0 9	0 6	2.5	35 8	27.1
R 20487	16.0	0 7	4	0 027	0.55	1 89	0.29	0 04	0.32	3 4	42	28 8	184	2.41	8 9	22.0	173	152	5 55	0 8	1.0	3.5	45 1	27.9
R 20488	7.6	0 9	4	0 029	0.31	2 03	0.14	0.03	0.26	2.0	30	24.4	280	3.81	10 7	14.6	102	98 6	3 32	0 6	0.9	2 9	17.6	17.4
R 20489	6 1	0.4	3	0 029	0.21	1.32	0.10	0.03	0.36	0.7	18	20 9	84	1.63	5 5	14.3	87.8	75 9	2 45	0 4	0 9	2.5	12.2	23 5
R 20490	8.8	0.7	3	0 019	0.33	1 92	0.16	0.04	0.22	1.9	30	20 8	255	2.40	9 7	13.0	97.8	104	3 49	0 6	1.1	2 6	22.3	17.9
R 20491	29 0	0.8	2	0.020	1 06	3 02	0.62	0.05	0 28	6 5	73	36 9	931	6 02	26.6	31.8	185	167	11.8	0 6	0.2	1 6	91 6	33 9
R 20492	7.1	0.5	3	0.022	0 27	1.38	0 14	0.04	0.25	2 3	23	31 0	115	5.47	7.9	13.0	92.6	122	2.94	0 9	1.3	3.1	17 3	18 2
R 20493	14 0	0.7	2	0.020	0 42	1 56	0 22	0.02	0.24	2.1	25	14 7	156	2.01	6.4	14.1	131	105	4 03	0 7	0.4	2.4	38.4	20 3
R 20495	22 0	0 8	3	0.039	0 57	1 96	0 27	0.03	0.45	3 8	29	27 4	224	5.42	24.7	23.5	156	171	4.81	0 9	< 0.1	2.3	34.6	55.2
R 20496	15.0	0.7	3	0 035	0 56	2.00	0.31	0.03	0.28	3.0	30	43 1	226	3.20	16 0	19.1	112	144	5 09	0 7	< 0.1	2.7	40 6	25.6
R 20497	13.0	0.4	3	0.025	0.49	1 53	0.22	0.03	0.28	2.3	34	23 1	185	2.33	8 3	18.4	92.7	122	4.45	0 4	0 2	2.3	23.8	27.7
R 20498	3.5	0.4	5	0 022	0.12	2.02	0 06	0.03	0.28	0.9	15	14.9	56	2.18	4 3	11.0	109	109	2 21	0 5	0.8	3 2	5.8	23 2
R 20499	35.0	1.1	3	0 030	0.99	2.50	0.55	0 05	0.28	5 1	53	36 4	324	3.08	18 0	31.5	198	189	9 02	0.8	0 2	2.7	88 6	30.6
R 20500	8.6	0 3	< 1	0 031	0.26	1.19	0.14	0 03	0.23	1 5	12	20.2	90	0.86	4 8	12.5	111	73.8	2 59	0.5	0.6	1.8	18 1	25 1
R 20501	3.6	0 4	3	0 023	0.12	1.61	0 08	< 0.02	0.33	1 0	15	14.5	55	0.85	3 3	14.5	145	104	1 61	0.5	0.5	2.0	5 9	26.1
R 20502	11.0	0 5	4	0.023	0.39	1.34	0 16	0.03	0.35	1 8	22	33.1	125	1.49	6.7	36.1	189	102	3.51	0 4	0.8	1.8	21 0	23.7
R 20503	10.0	0.9	3	0.020	0.31	1.89	0 13	0.05	0 23	1 6	21	29.5	99	1 37	4.7	11.9	108	56 2	3.04	0 5	0.6	2.6	16.1	18 9
R 20504	12.0	0.7	2	0.024	0.38	1 69	0 19	0.02	0 31	2 7	23	25 2	123	1.35	8 5	26.2	371	189	3 66	0 7	0.3	2 6	24.1	31 5
R 20505	4.6	1.0	5	0.017	0 21	1.81	0.09	0 05	0 26	1 6	24	20 2	118	4.74	7.3	12 3	167	88.7	2.56	0 4	0.8	2.7	9 3	18.0
R 20506	18 0	0 4	< 1	0.022	0.70	1.34	0.29	0 03	0 37	3 9	43	30.2	444	3 51	14.3	23.0	93 5	130	6 13	0.2	< 0.1	0.7	30.3	43 5
R 20507	9 9	0 7	5	0 033	0.39	2.01	0.17	0 05	0 30	2 7	32	34.1	723	5.67	47.2	23.4	144	127	4.04	0.5	< 0.1	3.1	19 5	26.8
R 20508	8.2	0 8	4	0 017	0 33	1.75	0.14	0.06	0 24	2 5	27	25 5	566	6 12	39.4	21.6	141	182	3 41	0 6	0.2	3.3	14 7	22 9
R 20509	7.0	0.7	3	0.021	0 25	1.67	0.11	0 03	0 27	1 6	22	20.2	116	2 33	7.4	15 0	144	91 8	2.87	0 4	< 0.1	2 1	13 1	20 2
R 20511	6.5	0.3	2	0.013	0 23	1.48	0.09	0 05	0.21	0 5	11	21.1	67	0.75	2 8	11.3	41.6	36.8	2.82	0 2	0.8	1.8	8 9	16.5
R 20512	11.0	0 6	8	0 022	0.35	1.94	0.16	0 04	0.37	1.2	20	26 0	131	1.47	7 4	19.5	138	76 6	3.45	0 6	0.2	2 7	20 1	28.4
R 20513	25.0	0.5	4	0 037	0 85	2.17	0.56	0.03	0.25	4 1	42	21.5	314	4 27	13.9	22.9	111	153	6.21	0 6	0.8	1 9	81 6	26.8
R 20514	16.0	0 4	3	0.028	0 58	1.47	0.31	0 02	0.39	2 6	29	25.3	241	1 90	9.8	16.7	69.8	99.8	5 56	0 3	< 0.1	1 3	39 8	31 0
R 20515	12.0	0 6	2	0.018	0 47	1.46	0.23	0.02	0.29	2 3	29	30 5	183	2 09	7.1	13.4	72.7	82.4	4 30	0 4	< 0.1	1 9	27 6	23.3
R 20516	8.7	0.5	4	0 014	0 32	1 65	0.14	0.04	0.29	1.4	24	24.7	185	1.61	8.0	13.5	102	84 7	3.30	0 5	0.6	2 2	15 9	22 5
R 20517	12.0	0.6	4	0 019	0 40	1 91	0 19	0.03	0 27	2 1	32	49 8	175	2.20	6.5	11.9	111	73 8	4 13	0.5	0.6	2 0	20 5	19 8
R 20518	8.7	0 7	3	0 016	0 30	2 21	0.14	0 05	0 20	2 0	30	21.4	146	3.52	9 3	11.4	121	91 9	3 67	0 7	1.0	3.2	17 7	17.9

Analyte Symbol	Li	Be	B	Na	Mg	Al	K	Bi	Ca	Sc	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Rb	Sr
Unit Symbol	ppm	ppm	ppm	%	%	%	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.1	0.1	1	0.001	0.01	0.01	0.01	0.02	0.01	0.1	1	0.5	1	0.01	0.1	0.1	0.01	0.1	0.02	0.1	0.1	0.1	0.1	0.5
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
R 20519	24.0	0.8	2	0.022	0.82	2.42	0.39	0.04	0.20	4.1	44	48.7	567	5.32	24.0	31.7	190	126	7.17	0.8	< 0.1	2.7	68.6	22.2
R 20520	13.5	0.4	7	0.027	0.59	1.32	0.29	0.03	0.40	3.0	38	23.2	221	2.29	12.0	19.7	65.1	126	5.19	0.3	< 0.1	1.3	27.8	33.8
R 20521	14.0	0.4	5	0.044	0.49	1.46	0.26	0.03	0.46	2.4	33	44.8	165	1.66	15.5	29.5	885	191	4.47	0.6	< 0.1	2.6	22.1	47.5
R 20522	42.0	1.4	6	0.026	1.41	2.76	0.71	0.05	0.39	5.3	59	34.1	470	3.79	20.0	33.0	150	181	12.3	0.7	< 0.1	1.5	112	42.7
R 20523	9.6	0.6	8	0.013	0.37	1.20	0.16	0.03	0.28	1.6	25	27.5	147	1.96	7.0	14.3	90.7	83.2	3.59	0.5	0.3	1.8	19.7	20.0
R 20524	12.0	1.0	5	0.026	0.46	2.60	0.19	0.07	0.30	1.7	43	25.2	1060	4.40	37.5	14.1	263	119	5.39	1.1	0.6	5.2	23.9	23.3
R 20525	13.0	0.4	3	0.024	0.46	1.07	0.22	0.03	0.39	2.3	24	38.4	164	1.43	8.1	15.3	43.5	106	4.06	0.4	0.4	1.5	24.2	34.7
R 20526	11.0	0.4	2	0.036	0.50	1.42	0.26	0.03	0.30	3.1	35	86.4	247	3.19	8.5	16.4	70.2	86.4	4.72	0.4	< 0.1	0.5	28.4	25.4
R 20527	10.0	0.7	6	0.015	0.33	1.29	0.16	0.02	0.32	1.4	28	25.0	121	1.63	6.3	15.9	106	104	3.37	0.6	0.3	2.3	23.9	22.4
R 20528	7.5	0.2	< 1	0.019	0.31	0.64	0.13	0.04	0.29	1.1	29	35.9	148	2.17	6.3	6.9	12.5	35.8	3.36	0.1	0.1	0.3	10.8	22.1
R 20529	8.3	0.2	< 1	0.044	0.29	0.70	0.14	0.03	0.31	< 0.1	39	32.9	139	1.76	6.5	7.2	12.6	35.9	3.45	< 0.1	< 0.1	0.5	12.3	24.5
R 20530	15.0	0.5	4	0.039	0.59	1.80	0.28	0.04	0.42	3.0	43	34.0	184	2.09	10.4	22.7	142	169	4.92	0.3	2.3	1.6	26.8	30.0
R 20531	8.7	0.5	5	0.054	0.22	1.61	0.12	0.03	0.43	0.6	19	24.9	95	1.88	6.1	15.6	91.6	90.8	2.37	0.4	1.2	2.7	11.6	22.7
R 20532	8.9	0.6	7	0.042	0.36	1.77	0.16	0.02	0.38	2.3	29	24.8	128	3.23	8.9	23.8	114	150	3.47	0.4	0.6	1.7	16.5	23.3
R 20533	3.5	0.2	2	0.034	0.12	1.29	0.07	< 0.02	0.46	0.8	6	13.9	44	0.47	3.2	11.4	77.9	72.3	1.26	0.3	1.1	1.2	7.0	25.2
R 20534	11.0	0.4	7	0.033	0.49	1.42	0.24	0.03	0.29	2.9	41	33.5	195	3.86	9.1	18.7	86.3	146	4.47	0.3	< 0.1	1.9	22.6	21.7
R 20535	12.0	0.4	5	0.030	0.48	1.71	0.19	0.04	0.40	2.5	38	28.1	172	2.26	8.6	19.0	87.5	87.1	4.72	0.4	0.9	1.8	23.3	24.1
R 20536	7.2	0.6	11	0.031	0.30	1.97	0.14	0.03	0.37	2.2	37	24.3	128	3.71	7.7	17.3	103	103	3.37	0.5	0.6	1.8	16.1	20.7
R 20537	8.2	0.4	2	0.034	0.31	1.55	0.16	< 0.02	0.41	1.8	20	33.6	108	1.23	7.3	18.9	93.8	96.6	3.19	0.4	0.6	1.5	19.0	29.5
R 20538	28.0	0.7	3	0.052	0.98	2.52	0.67	0.04	0.46	5.9	56	32.3	341	3.25	17.6	33.0	163	179	9.95	0.6	0.2	1.6	97.1	48.0
R 20539	14.0	0.3	1	0.042	0.67	1.16	0.38	0.02	0.47	3.6	40	37.6	253	2.26	9.3	16.4	30.0	81.1	5.79	0.2	< 0.1	0.4	39.5	33.1
R 20540	38.0	1.0	3	0.050	1.20	3.68	0.85	0.06	0.31	7.7	84	39.2	649	6.97	29.1	39.6	174	202	14.7	0.6	< 0.1	1.4	140	43.8
R 20541	27.0	0.7	4	0.043	0.88	2.35	0.57	0.04	0.32	4.6	50	25.2	309	3.05	14.9	29.5	109	144	9.72	0.4	0.3	1.2	85.4	30.5
R 20542	37.0	0.9	3	0.051	1.18	3.44	0.86	0.05	0.35	6.6	67	37.3	432	4.25	23.7	43.3	121	226	13.8	0.5	< 0.1	1.6	133	41.4
R 20543	11.5	0.6	3	0.032	0.44	1.76	0.23	0.04	0.24	2.8	39	37.6	451	3.91	24.8	17.4	67.3	116	5.18	0.5	< 0.1	2.0	29.6	22.8
R 20544	14.0	0.3	< 1	0.041	0.64	1.22	0.31	0.03	0.38	3.6	41	45.9	1080	4.04	16.6	21.7	32.0	85.6	5.95	0.3	< 0.1	0.9	36.3	32.2
R 20545	15.0	0.3	2	0.037	0.58	1.26	0.33	0.03	0.40	3.0	32	38.1	226	1.83	9.3	19.3	58.5	136	5.49	0.4	0.3	1.4	38.2	30.3
R 20546	11.0	0.3	2	0.043	0.57	1.05	0.26	0.04	0.43	2.7	53	58.1	253	3.64	11.0	15.8	40.0	70.4	5.40	0.3	0.7	1.0	32.8	30.4
R 20547	10.0	0.4	3	0.029	0.44	1.23	0.24	0.03	0.30	2.5	34	32.3	187	2.76	8.9	14.7	58.9	114	4.28	0.3	0.5	1.4	25.8	23.1
R 20548	13.0	0.4	4	0.030	0.47	1.63	0.28	0.04	0.29	2.6	39	36.6	191	2.39	8.2	17.4	96.8	102	4.98	0.5	0.5	2.3	35.0	23.3
R 20549	21.0	0.4	2	0.031	0.69	2.12	0.46	0.04	0.23	4.4	43	25.3	1280	6.79	23.3	22.9	124	134	7.12	0.5	0.6	2.4	66.0	26.6
R 20550	21.0	0.5	1	0.033	0.73	1.76	0.47	0.03	0.30	3.7	43	32.2	277	2.45	11.7	22.2	76.8	131	7.74	0.5	< 0.1	1.2	61.9	25.8
R 20551	7.4	0.2	< 1	0.026	0.32	0.71	0.15	0.04	0.27	2.0	23	35.7	143	1.50	6.5	10.6	70.6	109	3.37	0.2	< 0.1	1.1	14.1	22.6
R 20552	5.7	0.2	< 1	0.024	0.22	0.68	0.10	0.04	0.25	1.3	20	32.4	104	1.10	3.6	8.1	32.2	52.9	2.44	0.2	< 0.1	0.8	9.2	18.6
R 20553	5.8	0.3	3	0.029	0.19	0.94	0.08	0.04	0.25	0.9	16	58.6	88	1.21	4.4	14.2	30.3	81.3	2.81	0.2	0.7	0.9	7.1	17.7
R 20554	6.4	0.3	3	0.028	0.30	0.87	0.12	0.05	0.24	1.8	31	41.0	144	2.08	5.5	12.0	51.5	98.6	3.19	0.3	0.4	1.2	11.2	18.7
R 20555	7.9	0.3	2	0.034	0.31	1.11	0.14	0.08	0.36	1.8	27	49.4	134	1.58	8.1	25.1	69.6	95.5	3.29	0.3	1.2	1.5	13.9	23.4
R 20556	4.1	0.3	6	0.026	0.16	1.42	0.08	0.09	0.36	1.1	18	24.4	80	1.71	6.4	32.3	131	127	1.90	0.4	0.4	2.0	7.0	20.2
R 20557	5.4	0.3	4	0.025	0.22	1.29	0.11	0.03	0.30	1.5	26	41.1	105	2.41	10.3	14.1	83.2	79.9	2.71	0.4	0.4	1.8	9.1	19.5
R 20558	8.3	0.3	2	0.030	0.37	0.95	0.14	0.04	0.26	1.6	21	42.5	147	1.24	5.8	14.2	47.0	59.0	2.93	0.3	0.6	1.3	12.6	16.2
R 20559	9.3	0.4	4	0.026	0.33	1.23	0.19	0.05	0.25	1.5	22	22.9	175	1.48	5.4	14.3	83.2	74.0	3.18	0.4	< 0.1	1.6	19.6	17.4
R 20560	18.0	1.1	6	0.068	0.77	2.94	0.51	0.05	0.61	5.9	79	69.5	349	6.22	22.3	40.8	201	215	7.90	1.1	0.8	2.8	55.6	40.5
R 20561	13.0	0.7	7	0.049	0.53	2.55	0.37	0.02	0.30	< 0.1	36	21.1	231	2.89	10.4	22.7	122	127	5.13	0.9	0.2	2.2	38.4	22.9
R 20562	35.0	0.8	3	0.076	1.44	3.09	1.22	0.03	0.35	7.6	79	25.8	552	5.93	25.2	40.7	182	220	14.4	0.5	< 0.1	1.5	137	35.1
R 20563	28.0	0.8	3	0.047	1.05	2.34	0.92	< 0.02	0.30	5.2	53	19.2	387	3.46	18.8	30.7	120	219	10.4	0.6	< 0.1	1.4	106	26.2
R 20564	4.4	0.4	17	0.023	0.18	1.39	0.12	< 0.02	0.29	1.4	12	11.7	83	2.13	6.0	12.7	112	98.3	2.44	0.7	0.8	1.7	14.6	15.2
R 20565	10.0	0.5	5	0.027	0.41	1.13	0.19	0.03	0.34	2.5	29	39.4	186	1.77	8.1	15.2	74.2	106	4.38	0.4	0.5	1.1	19.5	18.7
R 20566	6.9	0.5	6	0.027	0.32	1.52	0.20	0.03	0.35	2.6	28	18.2	205	3.35	9.4	14.8	132	152	3.44	0.7	0.3	2.2	19.1	17.5
R 20567	5.8	0.4	5	0.030	0.27	1.46	0.16	< 0.02	0.38	2.0	27	20.3	126	2.61	7.6	13.8	106	131	2.94	0.5	< 0.1	1.8	14.9	19.7
R 20568	7.0	0.7	5	0.025	0.33	2.16	0.19	0.02	0.42	2.7	38	20.5	190	3.09	8.5	14.9	146	101	3.76	0.7	1.0	1.9	18.4	21.3
R 20569	4.3	0.3	3	0.022	0.23	0.90	0.14	< 0.02	0.32	1.5	15	37.4	95	1.25	5.1	11.8	66.4	77.5	2.49	0.3	0.6	1.1	11.7	18.4
R 20570	6.3	0.4	8	0.032	0.27	1.40	0.15	0.04	0.38	2.0	26	30.0	157	2.39	8.4	14.9	106	122	3.12	0.6	1.1	1.8	14.0	19.8

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Analyte Symbol	Li	Be	B	Na	Mg	Al	K	Bi	Ca	Sc	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Rb	Sr
Unit Symbol	ppm	ppm	ppm	%	%	%	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0 1	0 1	1	0.001	0 01	0.01	0 01	0.02	0.01	0.1	1	0.5	1	0.01	0.1	0.1	0.01	0.1	0.02	0 1	0.1	0.1	0.1	0 5
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
R 20571	15.0	0.5	3	0.035	0.68	1.47	0.42	0 02	0 39	3.8	39	37 2	248	2.23	11.1	17.5	112	142	6.43	0 5	0.7	1.1	44.3	24.6
R 20572	4 9	0.2	< 1	0.025	0 23	0 42	0 11	< 0.02	0.23	1.1	13	68 3	105	1.06	3 7	5.7	8.73	27 2	2 44	0 1	0.4	0.3	9.2	23.5
R 20573	20.0	0.5	1	0 038	0 84	1.76	0.55	0 03	0 41	4.9	51	49.2	334	3.11	13 4	21.3	117	140	7.98	0.5	0.7	0.6	56.9	26 1
R 20574	9 3	0.6	4	0.024	0 37	2.33	0 19	0 05	0.31	2 6	30	23 1	312	4 03	16 1	17.9	164	118	3.98	0.7	0.4	3 4	21.0	17.7
R 20575	6.6	0.5	4	0.035	0 31	1.56	0 12	0 02	0 36	1 4	17	15.5	120	1.19	7 3	16.7	108	92 7	3.22	0.5	0.7	2 6	15.7	21.1
R 20576	5.2	0 4	4	0.027	0 24	1.42	0.11	0 05	0.30	1.5	22	23.2	117	2 38	6 7	16.5	75.3	114	2.69	0.5	1.0	2 3	10 5	17 1
R 20577	11.0	0.7	5	0.030	0.50	1.98	0.22	0.05	0'32	3.3	36	30.9	200	2 77	9 5	23.3	167	135	4.69	0 8	1.4	2.8	26 6	19 4
R 20578	11 0	0.6	4	0 027	0.41	1.22	0 20	0 03	0 37	2 2	21	25.5	158	1 30	7.7	30.2	105	119	3.98	0 6	< 0.1	1.5	24 0	21 7
R 20579	14.0	0.5	6	0 042	0 53	1 79	0 39	0 02	0 37	3 0	28	24 3	196	1.84	10.4	25.9	174	130	5.66	0 7	1.1	2 0	44 6	24 2
R 20580	12 0	0.3	2	0.030	0 55	1.21	0.34	< 0.02	0.36	3.4	32	28.4	192	2.12	8 5	15.7	65 2	105	5.25	0 4	< 0.1	1 0	34 5	21.2
R 20581	2 8	0.4	7	0 023	0 13	1.31	0.08	< 0.02	0 51	1.2	13	16 2	60	0.91	4 3	16 3	152	84.0	1.93	0 5	0.9	1 7	7.0	22 4
R 20582	5 7	0 4	6	0 028	0 29	1.32	0 16	0 02	0 48	2.5	26	39 5	179	2.39	6 7	12 1	83.2	108	2.75	0 6	1.6	1.3	13.3	23 0
R 20583	5.2	0 5	9	0 033	0.27	1 63	0.16	0 03	0 37	2.3	26	34.4	163	3.26	8 1	14.2	94.5	132	2.82	0 5	1.1	2 1	13.3	17.3
R 20584	8.1	0.6	2	0 030	0.44	1 30	0 25	< 0 02	0 41	3 5	35	24.6	185	2.60	8 5	13.8	110	120	4 06	0 6	< 0.1	1.5	22 3	19 7
R 20585	14 0	0.7	6	0 036	0.62	1.74	0.38	0.02	0 44	5.0	37	31.7	233	2.84	12 8	22.0	176	152	5.78	1 0	0.8	2.1	44 0	24 9
R 20586	30.0	0.7	3	0 055	1.15	2.44	0.98	0 02	0.34	5.5	54	20 8	403	3 44	18 7	32 8	125	221	10.6	0.6	< 0.1	1 1	115	29.0
R 20587	5 9	0.7	4	0 027	0.23	1.73	0.12	0.03	0 46	2 5	22	30.1	107	1.45	6 9	19.2	165	105	2 90	0 9	1.4	2.2	13 2	28.7
R 20588	11 0	0.6	4	0 033	0.44	1 94	0.26	0.06	0.51	2 4	29	30.0	156	1 83	12 4	41 7	400	179	4.11	0.8	1.6	3.8	25 2	33 4
R 20589	12 0	0.8	6	0 052	0.53	2 07	0.32	0.05	0 40	4 1	39	56.0	246	3.75	12 4	49 4	192	156	4.91	0.7	0.5	2 5	34 3	29.9
R 20590	6.6	0.2	< 1	0.025	0.31	0 64	0.12	0.03	0.33	1 5	28	332	159	2 04	7 7	238	16.8	30.4	3.25	0 2	< 0.1	0 5	10.9	30 7
R 20591	26 0	0.6	4	0.059	0 92	2 49	0.71	0.05	0.38	4 6	41	20.4	313	2.68	19.6	31.4	222	169	8 12	0 7	0.4	1 7	82 3	32 7
R 20592	25.0	0 7	2	0 047	0.80	2.53	0.60	0 07	0 30	5 3	45	33 2	561	4.15	19.7	44.3	229	174	7.78	0 8	< 0 1	2 0	73.0	27 8
R 20593	7.4	0 4	4	0.026	0.29	1.48	0.17	0.04	0.25	1 7	18	14 8	103	1.50	6.6	30.0	177	74.5	3.19	0 4	0 6	2.0	22 1	17 7
R 20594	4.8	0 7	4	0.019	0.17	1.58	0.09	0.03	0.25	1 7	30	44.8	491	6 94	17.5	9.0	120	74.0	2.26	0 5	0.8	2.5	9 6	18 7
R 20595	11.0	0 8	3	0.025	0.37	1.81	0.18	0.04	0.28	2 3	27	25 1	171	1.79	8.4	19.8	184	108	3 79	0 6	0.7	3.0	23.6	26 6
R 20596	4.9	0.3	2	0.023	0.19	1.20	0.09	0.02	0.29	1.2	10	25 3	72	1 19	4 5	20.7	86.8	81.8	2 02	0 3	0.3	1.9	10 3	22 8
R 20597	13.0	0 8	4	0 038	0 50	2.52	0.19	0.07	0 23	2 4	38	39 6	260	4 32	18 2	32.8	259	117	5 01	0.6	0.6	3.3	27 5	20 8
R 20598	18.0	0 4	1	0.035	0 73	1.39	0.41	0.03	0.45	4.2	44	29 0	450	2 83	13.3	18.8	66 2	95.4	7.08	0.3	0 3	0.3	50 8	48 8
R 20599	8.3	0 3	< 1	0.034	0 33	0.82	0.11	0 03	0.36	2 2	20	92 6	121	1 32	4.4	13.1	38 0	39 4	2 80	0 3	0 2	0.8	10 5	28 8
R 20600	6.4	0.4	2	0 035	0 26	1 08	0.12	0.02	0 29	1.8	21	80.2	123	1 26	4.7	10 5	60.8	51 6	2 62	0 3	0.8	1.4	11 5	23 9
R 20601	6.6	0 3	2	0.039	0 23	1 04	0.12	0.02	0.26	1.8	16	46 4	96	1 51	4.7	12.4	84 9	74.6	2.36	0 3	0.3	1.2	12 9	21 1
R 20602	28.0	0 6	4	0.041	0.75	2 12	0.46	0 04	0.27	3 8	38	30.3	248	2 54	11.7	28 0	174	134	7.05	0.5	< 0.1	2.8	73.7	27 4
R 20603	19.0	0.6	4	0.035	0 61	1.74	0.32	0 03	0 27	3 0	29	31.0	187	2.04	8.8	19.7	88 5	105	5.74	0 5	< 0.1	1.9	54 2	25 5
R 20604	25.0	0 5	2	0 043	1.02	2.17	0.52	0 05	0 55	6 4	62	32 6	623	4.17	17.7	24.0	48 3	120	9.86	0 3	0.3	0.5	57.9	71 5
R 20605	13.0	0.6	4	0 033	0.50	1.38	0.23	0 05	0 32	2 9	35	35.1	217	2.35	9 3	18.2	66 3	112	4 78	0.4	0.8	1.8	25.8	32 1
R 20606	4 7	0.5	3	0.022	0.12	1.23	0.08	< 0.02	0 29	1 0	9	10 6	55	0 51	4.8	15.2	230	70.0	1.69	0 6	0 9	2.3	8.8	39 7
R 20607	6 0	0.4	3	0.030	0 19	1.24	0.12	< 0.02	0.25	1 2	12	13 7	73	0 77	4.8	14.8	146	71 9	1 98	0 4	0 6	1.6	14 1	22 5
R 20608	7.2	0.5	4	0.036	0 21	1.25	0.12	< 0.02	0 30	1 1	11	20 2	79	0.69	4.9	19.0	230	88 6	2 10	0.5	0 6	1.9	13 4	29 1
R 20609	25.0	0.7	4	0.055	0 91	2.21	0.53	0.04	0 28	3 6	41	30 8	312	2 89	12 8	23.5	141	137	8.09	0 6	< 0.1	2.1	82.2	32 3
R 20610	9.3	0.7	5	0.022	0.36	1 72	0 18	0 03	0 31	2 4	24	30 6	146	1 74	7.8	16.1	147	106	3 75	0 7	0.2	2.6	21.8	32 8
R 20611	10.0	0 7	2	0.024	0.41	1 40	0.19	0.05	0 15	2.4	26	27.0	156	2 95	6 4	13.6	131	94.7	3.81	0.5	0 3	2 3	31.7	17.2
R 20612	9.3	0.5	2	0 029	0.31	1.14	0.18	< 0.02	0 28	1.7	16	13.6	125	1.15	5 2	14.6	98 5	83.9	3.05	0.6	0.3	2.1	29.8	22.0
R 20613	7 2	0.3	3	0 030	0.25	0.80	0.11	0.03	0 35	1.9	16	39.6	108	1.13	4 8	12.7	66.7	102	2.63	0 5	0.9	1.6	13.1	27.5
R 20614	6 9	0.4	4	0.029	0.26	1.08	0.13	0.02	0.36	1.8	19	39.7	109	0.96	4 9	12.2	68.1	79.3	2.65	0.5	0.8	1.7	15 7	26.6
R 20615	7.6	0.3	2	0.039	0 33	0.98	0.17	< 0.02	0.35	2.3	21	77.3	139	1.29	5 5	13.0	53 6	108	3 32	0 4	< 0.1	1 7	20 2	28.5
R 20616	21.0	0.7	4	0 038	0 86	2.19	0.48	0.04	0.34	4.6	49	50.1	287	2 86	13.8	27.2	166	172	8 56	0 6	0.7	2.8	75 1	35 5
R 20617	9.8	0 6	5	0 024	0.40	1.46	0.19	0.03	0.26	2.9	32	20.8	149	3 04	7.6	16.4	110	113	4 42	0.5	0.5	2.9	32 4	24 1
R 20618	5 6	0.2	2	0.028	0.26	0.78	0.13	0.02	0.28	1.3	16	36 9	109	0.84	4 6	12.3	49 0	60 6	2.53	0.3	0.4	1 4	13 3	21.0
R 20619	5.7	0 3	5	0 027	0.26	1 48	0 12	0 05	0.25	2.6	21	25 4	85	4.42	6 5	16.5	96 7	92 2	2 87	0.4	0.9	3 3	15 3	16.4
R 20620	13.0	0 4	1	0 035	0 65	1 50	0.32	0 04	0.37	4.2	46	34.0	298	3.28	11 4	17.8	66 5	93 7	6 20	0 3	< 0.1	1 2	35 5	41 5
R 20621	7.2	0.3	3	0 037	0 30	0.77	0 14	0 04	0 38	1 7	15	38.5	100	1.08	4.5	16.2	87.1	87.8	2.91	0 3	0.8	1.5	15 8	33.2
R 20622	18.0	0 5	3	0 038	0 60	1.54	0 36	< 0 02	0 35	3.7	32	21 2	197	1 87	9.5	20.4	94.7	111	5 59	0 5	0.3	1.4	58 5	34 6

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Analyte Symbol	Li	Be	B	Na	Mg	Al	K	Br	Ca	Sc	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Rb	Sr
Unit Symbol	ppm	ppm	ppm	%	%	%	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.1	0.1	1	0.001	0.01	0.01	0.01	0.02	0.01	0.1	1	0.5	1	0.01	0.1	0.1	0.01	0.1	0.02	0.1	0.1	0.1	0.1	0.5
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
R 20623	8.1	0.3	1	0.028	0.39	1.05	0.19	0.02	0.29	2.5	27	34.3	149	1.54	5.6	11.9	48.4	71.4	3.80	0.3	0.7	1.6	20.8	28.6
R 20624	10.0	0.3	1	0.037	0.49	1.25	0.25	0.03	0.33	2.8	31	35.4	186	1.73	7.8	15.3	49.0	86.0	4.79	0.3	0.6	1.1	28.7	30.4
R 20625	13.0	0.4	1	0.034	0.61	1.48	0.31	0.04	0.37	3.9	43	28.7	241	2.43	11.2	17.4	58.0	103	5.89	0.3	< 0.1	1.4	34.8	37.9
R 20626	18.0	0.5	2	0.026	0.69	1.81	0.35	0.04	0.29	3.7	43	30.6	293	2.60	11.7	20.4	62.4	132	7.17	0.3	0.4	1.2	50.1	28.8
R 20627	5.4	0.1	< 1	0.024	0.26	0.50	0.12	< 0.02	0.29	1.2	14	69.9	119	1.17	4.1	6.1	8.32	25.1	2.80	0.1	< 0.1	0.1	10.5	33.7
R 20628	12.0	0.4	1	0.026	0.52	1.49	0.24	0.03	0.24	3.3	40	28.5	335	3.85	10.4	14.7	68.5	89.7	5.24	0.4	0.3	1.5	31.7	25.3
R 20629	32.0	0.8	3	0.046	1.06	3.07	0.68	0.05	0.33	5.9	63	31.7	384	3.54	18.1	35.5	177	187	12.0	0.6	0.7	1.9	115	39.2
R 20630	3.4	0.8	2	0.020	0.14	1.23	0.07	< 0.02	0.37	1.1	14	13.5	60	1.16	4.0	10.8	132	81.3	2.01	0.7	0.4	3.0	8.6	26.8
R 20631	9.5	0.5	4	0.034	0.43	1.46	0.24	0.03	0.26	2.6	31	23.5	171	3.39	8.8	15.7	94.1	113	4.42	0.5	< 0.1	1.9	32.9	22.3
R 20632	12.0	0.6	3	0.033	0.46	1.54	0.26	0.04	0.29	3.1	34	33.3	194	2.70	9.8	16.3	103	132	4.91	0.5	0.7	1.8	37.3	25.1
R 20633	30.0	0.9	2	0.070	1.18	2.68	0.73	0.04	0.29	5.6	60	35.1	510	4.19	21.5	30.9	133	165	11.5	0.5	0.4	1.7	114	38.1
R 20634	7.8	0.3	< 1	0.037	0.39	0.79	0.20	< 0.02	0.47	2.8	30	68.7	176	1.63	5.8	9.7	22.4	49.2	4.16	0.2	0.6	0.7	21.8	36.7
R 20635	4.9	0.4	9	0.028	0.17	1.74	0.09	0.04	0.29	1.2	18	22.9	78	2.25	4.2	13.9	115	59.9	2.40	0.6	0.8	3.5	9.9	18.4
R 20636	19.0	0.5	3	0.037	0.64	1.58	0.40	0.03	0.33	3.2	39	27.5	224	2.19	10.2	21.7	94.3	135	5.99	0.4	0.2	1.7	56.6	29.8
R 20637	35.0	0.8	2	0.045	1.11	2.61	0.76	0.05	0.32	5.4	59	57.5	372	3.50	18.9	48.3	174	205	10.6	0.4	< 0.1	1.1	99.7	36.4
R 20638	12.0	0.4	3	0.034	0.47	1.70	0.27	0.04	0.25	3.0	33	32.9	249	7.60	11.6	16.8	112	85.2	4.74	0.5	0.2	2.4	34.9	23.2
R 20639	12.0	0.3	2	0.040	0.48	1.31	0.28	0.04	0.37	2.6	29	64.0	177	1.78	8.3	28.1	64.2	93.7	4.96	0.3	0.3	1.3	31.7	30.6
R 20640	11.0	0.5	3	0.029	0.43	2.02	0.23	0.04	0.25	2.5	35	34.2	177	3.65	14.0	42.5	171	114	4.64	0.4	< 0.1	2.3	28.7	21.5
R 20641	13.0	0.5	4	0.038	0.53	2.05	0.31	0.04	0.25	3.1	39	31.0	282	6.73	18.8	34.8	126	148	5.66	0.5	0.4	2.7	42.0	23.4
R 20642	60.0	0.9	3	0.082	1.72	3.78	1.50	0.06	0.32	7.5	92	46.9	627	5.41	28.2	55.1	166	233	18.0	0.5	< 0.1	0.9	206	55.1
R 20643	12.0	0.3	5	0.029	0.45	1.58	0.27	0.04	0.24	2.4	32	26.8	160	3.06	8.1	20.2	89.2	93.4	4.61	0.4	0.6	1.9	36.7	20.0
R 20644	14.0	0.3	2	0.038	0.49	1.32	0.31	0.03	0.29	2.4	28	68.6	183	1.94	8.6	23.4	69.6	91.5	4.99	0.3	0.3	1.3	37.9	30.0
R 20645	4.9	0.1	< 1	0.025	0.23	0.47	0.12	< 0.02	0.29	1.1	13	70.9	112	1.10	3.9	5.8	8.06	24.7	2.82	0.1	0.7	0.2	10.4	35.9
R 20646	34.0	0.7	2	0.049	1.18	2.39	0.77	0.04	0.44	5.4	60	54.5	389	3.45	21.2	46.9	123	198	10.3	0.4	< 0.1	2.0	101	43.8
R 20647	10.0	0.2	2	0.040	0.35	0.87	0.21	< 0.02	0.32	1.6	15	70.8	124	1.08	6.9	21.2	48.6	61.3	3.30	0.3	0.3	1.2	23.8	24.4
R 20648	26.0	0.6	2	0.037	0.79	1.93	0.49	0.04	0.38	4.1	43	48.6	280	2.52	14.7	37.9	151	160	7.32	0.5	0.5	1.5	62.1	32.4
R 20649	10.0	0.3	2	0.038	0.44	1.42	0.21	0.03	0.36	2.5	30	61.5	178	2.19	8.0	18.2	89.6	74.9	4.25	0.3	< 0.1	1.1	24.5	26.7
R 20650	22.0	0.5	4	0.038	0.60	1.62	0.33	0.04	0.40	2.9	34	31.7	191	1.82	9.8	30.3	167	135	5.49	0.5	0.7	2.3	44.8	32.7
R 20651	12.0	0.4	5	0.038	0.42	1.70	0.23	0.03	0.33	2.5	31	29.8	167	3.51	11.2	21.0	121	147	4.35	0.4	0.5	2.1	29.0	23.8
R 20652	9.3	0.3	9	0.043	0.33	1.83	0.18	0.02	0.37	1.5	26	30.5	132	2.16	7.7	20.4	136	84.9	3.60	0.4	0.2	2.0	21.3	22.6
R 20653	21.0	0.4	2	0.047	0.59	1.71	0.38	0.02	0.34	2.4	29	24.0	188	1.89	11.4	26.3	111	97.2	5.67	0.4	< 0.1	1.3	58.4	25.1
R 20654	6.4	0.2	< 1	0.022	0.28	0.61	0.12	0.04	0.35	1.5	29	43.2	142	1.99	5.8	7.3	11.4	29.6	3.58	0.2	0.9	0.3	11.8	36.3
R 20655	13.0	0.4	3	0.032	0.49	1.87	0.29	0.04	0.25	3.0	37	38.8	254	4.31	14.6	29.8	139	127	4.92	0.4	0.5	2.4	36.8	20.2
R 20656	15.0	0.4	3	0.023	0.45	1.76	0.28	0.03	0.24	2.2	32	27.1	165	2.21	12.4	29.9	182	115	4.84	0.5	0.7	2.3	40.1	19.0

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Analyte Symbol	Y	Zr	Nb	Mo	Ag	Cd	In	Sn	Sb	Te	Cs	Ba	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	0.01	0 1	0.1	0.01	0 002	0.01	0 02	0 05	0 02	0.02	0.02	0.5	0 5	0.01	0.1	0.02	0 1	0.1	0.1	0 1	0.001	0.1	0.1	0.1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
R 20465	24.2	2.9	2 5	4.96	0.079	0 14	< 0 02	0.56	0 03	< 0.02	0 58	59.5	123	175	33 0	118	15 5	2 2	10.1	1.0	4 93	0 9	2 3	0 3
R 20466	107	3.1	2 2	4.82	0 430	0 57	< 0.02	0.40	0 04	< 0.02	0 98	98.6	475	525	120	438	61.2	8.7	41.6	4 2	20.2	3.7	9 6	1 3
R 20467	55 9	1.8	1 7	3 50	0.310	0.55	< 0.02	0.35	0 06	< 0.02	0 54	86.5	292	443	77 7	284	37.7	5.3	24 8	2 4	11.1	1.9	4 8	0 7
R 20468	58 3	2.1	1.9	4 20	0.414	0.32	< 0 02	0.29	0.05	< 0 02	0 64	74 9	310	515	83 0	302	40.1	5.5	26 3	2 6	12.0	2.1	5.1	0 7
R 20469	45.7	2.3	2.2	6 37	0.188	0.77	< 0.02	0.46	0.04	< 0 02	0.63	91 5	343	495	75.3	254	29.9	3 9	19 6	1 8	8.91	1 6	4.1	0.5
R 20470	34 2	3.8	2 9	3 30	0.168	0.38	< 0.02	0.52	0.05	< 0.02	0.97	92 2	248	323	65.7	234	29 5	3 8	17.6	1 6	7.57	1 3	3 3	0.4
R 20471	69.7	1.5	1 3	7.50	0 379	0 75	< 0 02	0.17	0 04	< 0 02	0.56	59 4	298	485	92 8	368	54.1	9 1	33.9	3 2	14 8	2.6	6 7	0.9
R 20472	37.6	0 7	0 8	1 32	0 165	0.51	< 0.02	0.08	0 03	< 0.02	0 29	51.6	237	403	62 2	227	29.3	4 5	18.3	1 7	7.82	1.3	3.4	0.5
R 20473	44.8	1 1	1 2	9.54	0.359	0.30	< 0.02	0 34	0.03	< 0 02	1 20	66.9	217	403	62 9	233	32.0	4.8	20.1	2 0	9.69	1.7	4.3	0.6
R 20474	75.4	2 3	2 1	15 8	0 285	0 40	< 0 02	0 47	0.04	< 0 02	2.20	93 6	236	613	76.1	287	45 0	7 2	31 2	3 4	17.1	3 1	8 2	1.1
R 20475	64.0	1.6	1 5	8 00	0.309	0 63	< 0 02	0.29	0.04	< 0.02	0.90	101	219	305	63.5	237	35 0	5.3	24.3	2.5	12.0	2.2	5.8	0.8
R 20476	58.5	0 9	0 8	1.73	0.197	0.39	< 0.02	0 12	< 0 02	< 0.02	0.54	61 3	198	280	60.1	232	36.0	5.8	23.7	2 4	11.4	2 0	5 1	0.7
R 20477	76 2	1.4	1 0	2.04	0.227	0.46	< 0.02	0.14	0.02	< 0.02	0.80	56.8	304	458	95.4	372	53.4	8.1	34.6	3 3	15.5	2 7	7.1	1.0
R 20478	78 9	2.7	1 6	2.96	0.569	0.39	< 0 02	0.26	0.02	< 0.02	1 71	108	303	408	88 6	343	51.0	8 3	34.6	3 5	16.5	2 9	7 4	1.0
R 20479	33.5	1 4	1.7	2.65	0.151	0 51	< 0 02	0.46	0.05	< 0.02	0.46	93.5	173	274	41.9	153	20.9	3 6	14 2	1.3	6.21	1 1	2.7	0.4
R 20480	53.3	1.4	1.6	5.53	0.378	0 47	< 0 02	0.20	0.03	0 03	0 65	68.2	232	375	63.2	228	31.9	4 6	21 1	2.1	10 2	1 8	4.7	0 6
R 20481	74.4	2.4	2.1	4.74	0.284	0 61	< 0.02	0.45	0.04	< 0.02	1.03	74 8	281	502	90 6	351	52 8	8.0	34 2	3.4	16.3	2 8	7.3	1 0
R 20482	74.4	1 7	1 5	3.17	0 199	0 25	< 0.02	0.22	0.03	< 0.02	1.22	94 7	259	407	81 1	316	49.0	7 9	33 2	3 4	16.5	2 9	7 3	1.0
R 20483	3.85	2.2	2.7	2.94	< 0 002	0.05	< 0 02	0.38	< 0.02	< 0.02	0 52	30 4	20 0	43.5	4.6	16 1	2.5	0 4	1.8	0 2	0.990	0 2	0 4	< 0.1
R 20484	105	1 8	1 1	2 95	0 337	0.28	< 0 02	0.16	< 0.02	< 0 02	0.45	53 6	388	517	123	499	75.3	12 1	48 2	4 5	21 3	3 8	9 4	1.2
R 20485	46.0	4 2	2 5	4 62	0.238	0.12	< 0.02	0.59	0.03	< 0 02	1.40	103	190	475	58 2	219	33.2	5.3	22.2	2 2	10 6	1.9	5 0	0 7
R 20486	64.4	2.2	1 6	3 92	0 558	0 48	< 0.02	0.26	0.03	< 0 02	0.59	93 9	464	658	121	417	49.4	6 3	30 6	2 7	12.7	2.3	5.8	0 8
R 20487	65.4	4.2	2 1	5.23	0 485	0.84	< 0.02	0.40	0.04	< 0.02	0.80	114	463	493	115	397	48 0	6.3	29.5	2 6	12.5	2 2	5 8	0 8
R 20488	58 1	1.6	1 3	4 76	0.369	0.50	< 0.02	0.21	0 04	< 0 02	0.42	69.1	263	480	73 7	263	36.7	5.2	24 4	2 4	11.8	2.1	5.5	0.8
R 20489	51.3	1.0	1 1	1 86	0.216	0.73	< 0.02	0 18	0.05	< 0 02	0.28	66 4	209	324	53 1	182	24.5	3.6	16 8	1.7	8.70	1.6	4.2	0 6
R 20490	67 5	1.6	1 4	3 22	0 293	0.43	< 0.02	0 25	0 04	0.02	0.47	72.8	346	648	94 3	331	43 2	6 1	28 6	2.8	13.7	2 4	6 5	0 9
R 20491	33 0	4.5	1 6	4 00	0 486	0.21	0.02	0 92	0 03	< 0.02	1 41	251	298	452	70.7	233	27 6	3 6	17 3	1.5	7 02	1 2	3.2	0.4
R 20492	68.2	2.8	2 1	5 24	0.554	0.33	< 0.02	0 32	0 05	< 0.02	0.34	50.5	516	614	118	399	47 3	6.5	29 2	2.7	12.6	2 2	5.8	0.8
R 20493	86.6	2.1	1 6	18.1	0.335	0.42	< 0.02	0.33	0.02	< 0.02	1.00	88.4	369	501	96.8	350	46.8	7 3	32 1	3.2	15.8	2 9	7.7	1 0
R 20495	92 6	6.9	2.5	6.36	0.465	0 27	< 0.02	0 35	0 02	< 0 02	1.23	10.1	395	594	115	438	65 2	10.0	42.8	4.1	19.4	3 4	8 7	1 1
R 20496	77.6	3.5	3.0	6 84	0.331	0 39	< 0.02	0.42	0.04	< 0.02	1.13	94.5	284	448	78 9	301	44 9	6.8	30 0	3.0	14.4	2 6	6 6	0 9
R 20497	39.8	2.2	1 7	3.13	0 198	0 61	< 0 02	0.37	0.03	< 0 02	0.81	103	183	295	49 2	175	23 8	3.6	15 6	1.5	7.53	1 3	3.5	0 5
R 20498	41 7	1.5	1 2	3 71	0 361	0.46	< 0.02	0.16	0 04	< 0 02	0 50	41.6	300	442	75 1	273	37 1	5.1	22.2	2.0	9.13	1 5	3.7	0 5
R 20499	82 8	7.5	3 3	3 57	0.461	0.59	< 0.02	0 63	0 02	< 0.02	4 18	120	293	517	88 8	335	52 4	8.1	35.9	3 7	18.1	3 3	8.7	1 2
R 20500	51.8	2.1	1 4	1.89	0 261	0.31	< 0.02	0 27	0 04	< 0.02	0 77	71.3	208	361	63 6	241	37.2	5 6	24 2	2.4	11.2	1 9	4.9	0 7
R 20501	60.0	1.0	0 9	7 12	0 258	0.49	< 0.02	0.09	0 02	< 0.02	0 32	49 2	208	366	62 8	235	36.0	5.2	23 1	2.4	11.8	2 1	5 5	0 8
R 20502	43.9	1.9	1 8	9.93	0.272	0.31	< 0.02	0.30	0.03	< 0 02	1 70	86.0	184	341	55 2	207	29 6	4 4	19.3	2.0	9.62	1.7	4 4	0 6
R 20503	65.1	1.6	1.3	4.94	0.171	0.68	< 0.02	0 22	0 04	< 0.02	0 93	56 8	235	367	66.8	250	37.6	6 1	25.6	2.7	13.5	2.4	6 4	0 9
R 20504	71.1	2.6	2.1	4.68	0.466	0.62	< 0.02	0 28	0 03	< 0 02	0 87	83.6	308	507	97.7	379	57.0	9.5	35.1	3.3	15.8	2.8	7 1	1 0
R 20505	46.5	1.7	1 4	4 08	0.243	0 35	< 0.02	0 23	0 05	< 0.02	0.54	48.8	194	335	55.2	204	30.1	5.2	19.6	2 0	9 79	1.7	4.5	0.6
R 20506	13.4	3 7	2 2	6.48	0 041	0.09	< 0.02	0 59	< 0 02	< 0.02	1.01	82.8	75 9	134	21.0	76.9	11 1	1.7	6 6	0.8	3 17	0.6	1.5	0.2
R 20507	45.5	2.6	2.1	5.78	0 241	0.51	< 0.02	0 37	0 04	< 0.02	0.87	86.8	206	484	55.9	204	29 9	4.7	20.5	2.0	9.82	1.7	4 3	0.6
R 20508	65.5	2.3	1 6	9 23	0.177	0.74	< 0.02	0.32	0 04	< 0.02	0.62	79 6	292	503	72.9	259	35 9	5 2	24 2	2.3	11.5	2 1	5.6	0.8
R 20509	50.7	1.6	2.3	3.89	0.316	0 40	< 0.02	0 29	0 03	< 0 02	0.52	63 5	206	353	59 7	221	32 5	5 0	20.9	2.2	11.0	2 0	5 1	0.7
R 20511	20 0	1.0	1 3	1.47	0.219	0 17	< 0.02	0.92	0 05	< 0.02	0.60	38 7	110	188	29.3	105	15 5	2 5	10.1	1.1	5.24	0 9	2 0	0 3
R 20512	58.8	1.9	1.6	2 74	0.364	0.41	< 0.02	0 30	0 04	< 0.02	0.83	61 2	296	456	82.2	307	42 4	6 5	27.1	2 6	12.6	2 2	5.5	0 7
R 20513	59 4	5 8	3.4	6.47	0.343	0.20	< 0.02	0 61	0.03	< 0.02	2.10	183	253	309	69.4	254	35 2	5 0	22.9	2 2	10.6	1 9	5 2	0 7
R 20514	32.5	2.8	2 8	2.44	0.227	0.26	< 0.02	0.47	0.02	< 0.02	1 15	113	158	209	41.0	146	20.5	3 0	13 1	1 3	6.48	1.1	3 0	0 4
R 20515	48 5	2.7	2 3	4.47	0.164	0.36	< 0.02	0.41	< 0.02	< 0 02	0.87	66.5	212	295	56.1	200	28 1	4.2	18 5	1 9	9.57	1 7	4 6	0.6
R 20516	66.6	1.5	1 8	3.71	0.204	0.66	< 0 02	0.28	0.04	< 0 02	0.68	89 6	223	438	59.7	218	32 3	5 0	22.8	2 3	11.6	2.1	5.2	0.7
R 20517	70.6	2.2	2 2	6.70	0.805	0.11	< 0.02	0.57	0 02	< 0 02	0.91	56.1	204	504	68.7	262	42.0	6 8	29.2	3.1	15.2	2.7	7 1	1 0
R 20518	83.7	2.1	1 8	7 16	0.245	0.33	< 0 02	0 28	0 04	< 0.02	1.01	84.7	319	580	91.3	346	51.5	8 1	34 1	3.4	17.1	3 0	8 0	1.1

Analyte Symbol	Y	Zr	Nb	Mo	Ag	Cd	In	Sn	Sb	Ta	Cs	Ba	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	0 01	0.1	0 1	0 01	0.002	0.01	0 02	0.05	0.02	0 02	0 02	0.5	0 5	0.01	0.1	0.02	0.1	0 1	0.1	0.1	0 001	0.1	0 1	0.1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
R 20519	88 3	3.9	2 2	5 01	0.350	0.21	< 0 02	0.50	0.02	< 0.02	3 16	135	317	955	95 1	354	54 5	8 6	39 4	4.0	20.0	3 6	9 7	1.3
R 20520	25 8	3.2	2 5	2.51	0 109	0.37	< 0 02	0.43	0.03	< 0.02	0 82	127	136	197	33.9	120	16 2	2 4	10 6	1.0	5.05	0 9	2 3	0.3
R 20521	46.7	4.0	2.5	4.00	0.378	0.56	< 0.02	1.34	0.04	0.02	0 93	114	222	425	71 8	285	43 4	7 5	27.1	2.5	11 6	1 9	4.7	0 6
R 20522	56 6	9.6	3.8	1 88	0.442	0 21	0.02	0 90	0 02	< 0.02	4.55	260	295	419	84 9	317	45.5	7 0	29 0	2.8	13.1	2 3	5 7	0 7
R 20523	55.1	2 2	2.0	4 89	0.506	0.24	< 0.02	0.42	0.03	< 0 02	0 71	55.5	243	306	64.3	232	32.4	5 0	21 8	2.2	10.6	1.9	4 9	0 6
R 20524	122	2 0	1.5	11.8	0.339	0.52	< 0 02	0 66	0 05	0.04	0 96	66.7	478	5220	138	536	75.0	11 9	74 3	5.2	23 1	4.1	10 8	1 5
R 20525	33.5	2.8	2.6	3.38	0.112	0.33	< 0.02	0 45	0.02	< 0.02	0 53	72.6	217	264	52.1	179	21.5	3 1	13.5	1.2	5.99	1.1	2 8	0 4
R 20526	24 3	2.5	1 9	8 26	0.128	0.12	< 0 02	0.51	< 0.02	< 0.02	0.50	78.6	168	204	45.6	156	19 2	2.5	11.0	1.1	5.08	0.9	2 4	0.3
R 20527	52.1	1.7	1 0	4.27	0 471	0 70	< 0.02	0.22	0.03	< 0 02	0.47	76 9	390	340	91 2	299	34 8	4 5	20.4	1.9	9.42	1.7	4 3	0.6
R 20528	3 87	2 3	2.5	2.41	< 0 002	0 07	< 0.02	0.55	< 0 02	< 0 02	0 56	31.1	24.8	52.3	5.4	18 3	2 8	0.5	1 9	0.2	1 04	0.2	0 4	< 0.1
R 20529	4 25	2.4	2.0	2.52	0.009	0.06	< 0.02	0 59	< 0.02	0.02	0.53	29.8	24.7	51 6	5 3	17.5	2.6	0.5	1.9	0.2	1 06	0 2	0 5	< 0 1
R 20530	24.4	3.3	1 6	3.17	0.230	0.75	< 0 02	0 36	0 03	0.04	0.62	118	186	223	48 5	162	19 2	2 4	10 4	1.0	4.71	0.8	2 3	0 3
R 20531	49.8	1.6	1.3	2.14	0.350	0 76	< 0 02	0 29	0.05	0 03	0 27	63.4	208	323	52.9	183	25.1	3 7	17.6	1.8	8.89	1.6	4 2	0 6
R 20532	24.6	2.8	1.3	2 15	0.324	0 52	< 0 02	0 22	0.03	< 0 02	0 46	80 0	229	396	58.6	191	22.0	2 8	13 0	1.1	5.21	0.9	2 4	0 3
R 20533	13.7	1 0	0.4	1 04	0.237	0 40	< 0.02	0 27	0.03	< 0 02	0 18	72 3	173	292	42.7	139	15.3	1.9	8 6	0 7	3.35	0 6	1.4	0 2
R 20534	17 7	3.1	1 5	4.19	0.252	0 44	< 0.02	0 33	0 03	< 0 02	0.51	93.0	163	201	36.8	117	13.4	1 8	8 3	0 8	3.63	0 6	1 8	0 2
R 20535	20 4	2.5	1.8	1 87	0 302	0 43	< 0 02	0 35	0.03	< 0.02	0 53	102	212	286	52.1	170	19.7	2 6	11.8	1.0	4.70	0.8	2.0	0 3
R 20536	32 5	2.3	1.3	2 39	0 533	0 55	< 0.02	0.20	0 04	< 0 02	0 37	84 1	316	396	77.7	251	29 0	3 9	16.9	1 5	7.01	1 2	3 1	0.4
R 20537	16 1	2 0	1 3	2 13	0.266	0.33	< 0.02	0 20	0 02	< 0 02	0 35	89.5	217	331	55.1	178	18 9	2.5	10.7	0.9	4.07	0 7	1 7	0 2
R 20538	23 2	10 4	3 2	1.48	0.426	0.40	0.02	0.73	0.03	0 03	1.52	303	341	340	80.7	261	28.2	3 4	15.7	1 3	5 61	0 9	2 4	0 3
R 20539	8 89	4 6	2 3	2 01	0.085	0.09	< 0 02	0 57	< 0.02	0.04	0.73	106	85 4	126	18 7	60 2	7 2	1.0	4.7	0.4	2.03	0.3	0.9	0 1
R 20540	23.1	12 8	3.6	1 33	0.353	0.17	0.03	1 00	0.02	0.06	2 22	374	278	524	67 7	214	24.4	3.0	15 1	1 2	5.49	0 9	2.5	0 3
R 20541	15.8	7 4	3.1	0.88	0.343	0.33	< 0 02	0 71	0.02	< 0 02	1 54	338	184	267	43.1	138	16.0	2.1	9 7	0.8	3 91	0 7	1.8	0 2
R 20542	19.5	14 2	3.6	1 20	0.334	0.28	0 03	0 93	< 0.02	< 0.02	2 20	277	246	379	58.3	179	20.7	2.7	13 3	1.1	4.83	0 8	2.1	0.3
R 20543	35.3	3 1	1.7	4.02	0.286	0.54	< 0 02	0.39	0.03	0.03	0 74	123	250	533	59.6	199	24.7	3 7	17.5	1.6	7.35	1 3	3.4	0 5
R 20544	13 3	3.2	1.9	3.28	0.146	0.14	< 0.02	0 57	0.03	0 02	0.72	98 7	109	196	23.6	76.8	9.5	1 4	6.7	0.6	2.91	0.5	1 3	0 2
R 20545	20.8	3.6	2 4	2 55	0.740	0.54	< 0.02	0 52	0.03	< 0 02	0 79	127	187	247	44.9	151	17.9	2 5	11.5	1.0	4.57	0 8	2.0	0.3
R 20546	11.1	4.1	3.0	4 06	0.607	0 21	< 0.02	0 50	0.08	0.02	0.63	119	111	197	23.3	74 4	8 9	1.3	6.1	0.5	2 57	0 4	1.1	0.1
R 20547	24 5	2 8	2 2	3.89	0.259	0.37	< 0.02	0 47	0.05	< 0.02	0 57	78 4	189	287	45 3	150	18.2	2 5	11.8	1.1	5 04	0.9	2.3	0.3
R 20548	39.7	3.0	2.1	4.00	0.357	0 32	< 0 02	0 42	0 03	< 0 02	0 87	106	294	560	74.4	248	30 7	4.1	20.4	1.8	8.65	1 5	4.0	0 5
R 20549	32.8	3.6	1.6	4 93	0.660	0.35	< 0.02	0 48	< 0 02	< 0 02	1.53	191	268	572	64.9	211	26 5	3 5	18 2	1.6	7.32	1 3	3.2	0 4
R 20550	29 9	3.7	2 3	2.45	0.178	0.34	< 0 02	0 55	0 02	0 03	1.49	168	201	281	53.9	182	23 4	3.2	14.7	1 3	5.95	1 1	2.7	0 4
R 20551	16.3	2.9	2 6	4.68	0.089	0.30	< 0.02	0.43	0 02	0.03	0.75	53 5	86 1	156	25 0	90.4	13 1	1 8	8.2	0 8	3 71	0 6	1 7	0 2
R 20552	13 4	1 6	1 2	2 84	0 057	0 14	< 0.02	0 29	< 0 02	< 0.02	0 47	42.9	73 8	129	19.9	69 3	9 5	1.4	6.2	0.6	3.02	0.5	1 4	0 2
R 20553	12 2	1 5	1 5	4 86	0 089	0 29	< 0.02	0.26	0 05	< 0 02	0.50	42 8	66 5	132	16 3	56 5	7.9	1.2	5.4	0.5	2 58	0 4	1 2	0.2
R 20554	18 7	2.1	1 4	4.40	0.073	0.27	< 0 02	0 32	0.03	< 0.02	0 59	50.8	98.2	153	24.9	86.1	11 4	1.7	7.6	0.7	3 54	0.6	1.7	0 2
R 20555	16 6	2.0	2 1	3 93	0.194	0.33	< 0 02	0.35	0 07	< 0.02	1 20	69.1	112	205	27.7	95 2	13 0	1.7	8 5	0 8	3 82	0 7	1 7	0.2
R 20556	26.9	1 3	1 1	5 83	0 366	0.51	< 0.02	0.15	0 04	< 0 02	0 74	69.6	182	313	47 4	162	20.9	2 7	13.4	1.2	5 90	1.0	2.7	0 4
R 20557	22.3	1.9	2.0	3 78	0 250	0 22	< 0.02	0 25	0.04	< 0.02	0.59	60.6	196	351	49 2	173	21.9	3 1	13 3	1.1	4.98	0 8	2 1	0.3
R 20558	18.1	1 5	1 1	2.73	0.077	0.19	< 0 02	0 25	0.03	< 0.02	0 69	56 3	111	172	28.6	98.4	12.7	1 8	8 0	0.8	3.64	0.7	1.8	0 2
R 20559	28.1	2 2	1.1	2 57	0 153	0.28	< 0.02	0 25	0 05	0 02	1.10	76.6	200	378	58.0	200	24 9	3 2	15 4	1.3	6.05	1.1	2.8	0.4
R 20560	47 5	6 6	4.3	9.02	0.592	0.71	0 02	0 67	0.06	0 03	1.61	227	686	1060	156	533	58 0	6 6	36 4	2.6	10.6	1 8	4 5	0 6
R 20561	31 5	2.4	1.6	4.09	0.402	0.49	< 0.02	0.35	0 02	0.02	0 93	115	394	623	92 1	293	32.3	3.6	18 6	1.4	6.36	1.1	2 7	0 4
R 20562	13.5	7.2	4 5	3 12	0.613	0 20	0.03	1.08	< 0 02	0.11	1 91	489	277	339	60 4	187	19 4	2 1	11.1	0.8	3.45	0 6	1.4	0.2
R 20563	20.0	5.2	3 9	1.86	0.254	0.34	0 02	0 74	< 0 02	< 0.02	2.19	297	310	389	74 4	239	25.3	2 9	14 4	1.1	4 57	0.8	1.9	0 3
R 20564	29 1	1.8	1 0	3 31	0.629	0.38	< 0.02	0.14	0.02	< 0 02	0 31	76.7	467	608	108	349	35.5	3.9	20 3	1.6	6.57	1.1	2 8	0 4
R 20565	16.4	2.6	2 0	3.63	0.214	0.35	< 0.02	0.41	0.05	0.03	0.47	104	318	449	71.7	222	22 2	2.4	12.7	0 9	3.85	0.6	1 6	0 2
R 20566	24.7	2 2	1 4	3.31	0 457	0 51	< 0.02	0.27	0 04	0 03	0.39	106	510	664	107	326	31.4	3.3	18 4	1 4	5 63	0.9	2 4	0 3
R 20567	16 6	2 2	1 4	2.44	0 444	0 38	< 0 02	0.22	0 03	< 0 02	0.30	87.2	438	577	86.4	260	23.6	2 6	14 5	1.0	4.28	0 7	1 8	0 2
R 20568	24 1	2 5	1 7	3 38	0.626	0.40	< 0 02	0.26	0.02	< 0 02	0.37	121	440	738	116	381	39 2	4.2	21 7	1.6	6.24	1 0	2 4	0 3
R 20569	11.0	1 4	1 1	3.16	0 199	0 21	< 0 02	0.22	0 02	< 0.02	0.19	70 4	219	357	52 7	167	16 4	1.7	8 9	0.6	2 75	0 4	1.1	0.1
R 20570	21 5	1 9	1 2	5.39	0 381	0 37	< 0 02	0.25	0.06	< 0 02	0.38	68 8	402	491	95.1	307	30.7	3.5	16 9	1.2	5 12	0 8	2 0	0 3

Analyte Symbol	Y	Zr	Nb	Mo	Ag	Cd	In	Sn	Sb	Te	Cs	Ba	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	0.01	0 1	0.1	0.01	0 002	0 01	0 02	0.05	0.02	0.02	0 02	0.5	0.5	0.01	0 1	0 02	0 1	0 1	0.1	0.1	0.001	0 1	0.1	0.1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
R 20571	17.9	3.8	2 7	4 51	0.162	0.52	< 0 02	0 63	0.03	0 04	0.79	183	313	407	76.6	250	25 5	3.0	14.1	1 0	4 22	0 7	1.7	0.2
R 20572	2.49	2.0	2.0	5 25	0 005	0.02	< 0 02	0.30	< 0.02	< 0 02	0.37	30.6	15 3	32.8	3.4	11.4	1.8	0.3	1.2	0 1	0 704	0 1	0.3	< 0.1
R 20573	13.1	4 4	2.6	5.43	0 167	0.26	< 0 02	0 70	< 0.02	< 0 02	0.95	220	179	255	48 1	160	18.1	2.2	9 7	0 8	3.40	0 6	1 4	0.2
R 20574	37.0	2 4	1.5	6 75	0.404	0.48	< 0 02	0 28	0 04	< 0 02	0.69	115	459	917	106	340	37.5	4.7	24 7	2 0	5.56	1.4	3 6	0 5
R 20575	26.6	2.0	1.2	2.52	0.541	0.48	< 0.02	0 18	0.02	< 0 02	0.51	71 9	323	389	74 7	243	27.6	3.5	15.8	1.3	5.95	1.0	2 5	0.3
R 20576	31.7	1.8	1 1	4 05	0.347	0.34	< 0.02	0.21	0.06	< 0.02	0 43	44.8	306	388	73.6	247	27.7	3.6	16.3	1.4	6.38	1.1	2 9	0 4
R 20577	40.9	3 4	1.8	8.50	0 542	0.66	< 0.02	0.33	0.04	< 0 02	0.89	95 0	472	676	116	385	43 6	5.4	25.4	2 2	9 49	1.6	4.1	0 5
R 20578	24.8	3.1	1.7	2 93	0 327	0 53	< 0.02	0 32	0.04	< 0 02	0.75	93.8	356	408	91.1	309	33.4	4.1	18 3	1 5	6.04	1.0	2.4	0.3
R 20579	25.9	3.6	1 9	2 37	0 702	0.43	< 0.02	0.34	0.03	< 0.02	1.00	96.7	398	474	106	359	38.9	4.5	21.3	1.6	6 41	1.0	2.5	0 3
R 20580	13.7	3.5	2 1	3.94	0.192	0.13	< 0.02	0.40	< 0 02	< 0 02	0.68	146	204	221	54 3	178	19.0	2 2	9 7	0 8	3.24	0.5	1.3	0 2
R 20581	16.1	1.4	0 8	1.80	0 424	0 45	< 0.02	0.09	0.02	< 0 02	0.16	92 8	354	538	83 6	267	25.6	2 8	14.1	1 0	4.03	0.7	1 6	0 2
R 20582	20 3	1.9	1 3	5 55	0 523	0 42	< 0.02	0.25	0.03	0.03	0.27	72 5	350	495	85 0	289	26 7	2 9	15 2	1 2	4.84	0.8	2.0	0.3
R 20583	22.5	2 0	1.3	4.68	0 373	0.35	< 0.02	0 25	0.05	< 0.02	0.28	67 9	421	586	93 5	293	28 6	3 1	16.8	1 2	5 17	0 8	2.2	0 3
R 20584	24.5	2.8	1.9	4 70	0 327	0.31	< 0.02	0 35	< 0.02	< 0.02	0.35	108	397	495	98 2	316	32.1	3.5	17.5	1 3	5.52	0.9	2 3	0 3
R 20585	34.2	4.0	2.4	4 41	0 617	0.53	< 0.02	0 46	0 03	0 03	0.70	164	640	775	153	515	53 1	5 3	28.9	2 2	8.60	1.4	3 5	0 4
R 20586	19.7	5.6	4.2	1 41	0.225	0 39	0.03	0 78	< 0 02	< 0.02	2.23	167	311	377	74 3	239	25 4	2.9	14 3	1.1	4.50	0 8	1 9	0.2
R 20587	33.3	2.6	2.0	3.32	0 477	0 45	< 0.02	0.21	0.03	0 03	0.36	104	533	794	142	475	49.6	5.3	27.7	2.1	8.22	1.3	3 4	0.4
R 20588	42.8	4.0	2.0	3.59	0.716	0 63	< 0.02	0.31	0 06	0 03	1 14	87.1	511	686	140	491	55.8	6 6	29 4	2.3	9.85	1.6	4 1	0 5
R 20589	42.4	3.0	2 2	7 47	0.470	0 67	< 0.02	0.40	0 05	0 03	1.22	97.1	433	612	107	384	40 6	4.9	23.3	1 9	8.65	1.5	3.9	0 5
R 20590	3 98	2.7	3 0	18.9	0.004	0 04	< 0.02	0.58	0 02	0.04	0.53	31.5	23 3	50 5	5.3	17.9	2 7	0 5	1.9	0 2	1.07	0.2	0.5	< 0.1
R 20591	28.6	4.3	2.9	1.22	0.507	0.41	< 0.02	0 51	0 03	0.05	1.92	296	374	505	100	350	39 6	5 0	21.7	1.8	7.38	1.2	3.0	0.4
R 20592	38.3	3.6	2 5	4.37	0.382	0 37	0.02	0.58	0 04	0.07	2 53	202	344	708	101	356	43.6	5 3	26.8	2 2	9.13	1 5	3.8	0.5
R 20593	21.5	2.2	1 5	3 97	0.504	0.29	< 0.02	0.19	0.04	0.06	2.15	96 8	197	313	50.9	174	21.2	2 7	12.6	1 1	4.83	0 8	2 0	0.3
R 20594	34 9	2 9	1 7	5.75	0.152	0.30	< 0.02	0.23	0.06	0.03	0.39	46 4	191	374	56.0	205	27.6	4.4	17.3	1.6	7.66	1.3	3.5	0.5
R 20595	74.6	2.1	1 6	6.11	0.294	0.48	< 0.02	0 27	0.03	< 0.02	0 92	72 7	273	529	83.4	311	46.7	7.7	31.6	3.2	15.8	2.8	7 6	1.0
R 20596	37.7	1 3	0.9	6.94	0.230	0.33	< 0.02	0 14	0.03	< 0 02	0.58	53 0	175	278	42.8	149	20.1	3 0	14 3	1 4	6.97	1.3	3.3	0.4
R 20597	64.9	2 3	1.4	24 7	0 405	0.17	< 0.02	0 40	0.03	< 0 02	1.83	71 9	212	459	67.3	253	38 2	5 9	26.3	2 7	13.3	2 6	6 7	0 9
R 20598	13 9	5 5	1.5	5 99	0 091	0 07	< 0.02	0 79	< 0 02	< 0.02	1.52	120	83.8	165	20 6	70 3	9.6	1 4	6 4	0.6	3.01	0 5	1.4	0 2
R 20599	24 4	2 5	3.5	7 55	0 039	0.10	< 0.02	0 60	< 0.02	0.04	0.51	36 4	96 0	162	29.1	109	16.2	2.6	10 9	1.1	5.28	0 9	2.5	0.3
R 20600	38.8	2.0	2.0	8 86	0 084	0.17	< 0.02	0 34	< 0 02	< 0 02	0.57	45 4	153	246	42 0	155	22 5	3.6	15 6	1 6	7 72	1.4	3 6	0 5
R 20601	40.2	1.8	1.1	12.0	0.271	0 32	< 0.02	0 19	0.05	0.02	0 62	48.6	133	192	38.5	144	20 9	3.2	13 7	1 4	6.91	1.3	3 4	0.5
R 20602	65.2	4.1	2 6	7 42	0 582	0 52	< 0 02	0.49	< 0 02	0.05	3.49	152	257	377	71.5	259	37.0	5.6	25 3	2.6	12 9	2.4	6.3	0 9
R 20603	55.3	4.0	2.1	2.66	0 403	0.26	< 0.02	0.42	0.03	0.06	3.05	87.3	210	291	59.3	221	32 9	5.3	23.2	2 3	11 2	2.0	5 1	0 7
R 20604	12.3	5 8	0.8	2.07	0.075	0.07	0.03	0.84	0.03	< 0.02	1.63	194	77 1	146	18.1	63.2	8.6	1 4	6.0	0 6	2.70	0.5	1 2	0.2
R 20605	38.8	2 9	2.1	4 22	0.127	0.50	< 0.02	0.44	0.03	< 0.02	1.02	99 5	194	342	49.8	179	23.9	3 6	16.4	1 5	7.19	1 3	3 4	0.5
R 20606	50.2	1 4	0.8	1.11	0.305	0.48	< 0.02	0.10	0 02	0.06	0.46	79 9	244	456	79.0	304	46.1	8.0	29 0	2 8	12.9	2.2	5 5	0.7
R 20607	35 3	1.5	0.8	2 36	0 501	0.23	< 0.02	0 10	< 0 02	< 0.02	0.76	80.3	174	304	54 2	206	30.7	4.8	19 9	1.9	9 07	1 5	3 8	0.5
R 20608	41.7	1.4	0 9	2.03	0.253	0.44	< 0.02	0.13	0 02	0 02	0.80	97.1	184	325	60 3	237	37.9	6.6	24.4	2.4	11.0	1 8	4 5	0.6
R 20609	64.7	4 4	2.8	3 19	0 440	0.23	< 0 02	0.67	0.02	0 03	2.82	169	282	396	81 2	299	43.3	8 6	28 9	2.8	13.0	2 3	6 0	0.8
R 20610	72.9	2.8	2.2	4.83	0.374	0 40	< 0.02	0 34	< 0.02	0 02	0.76	76.3	317	633	93 9	351	51.2	7 8	34 7	3.3	15.5	2.8	7 2	1.0
R 20611	66.3	2.1	1.3	9.21	0 241	0.21	< 0.02	2 14	0.05	< 0 02	1 12	66.6	235	417	65.5	233	32.9	5.4	24.2	2.5	12.3	2.3	6 3	0.9
R 20612	68 9	1.9	1.4	8.07	0.441	0.40	< 0.02	0 29	0.02	0.03	0.84	61.5	355	403	85 3	302	38.8	6.1	27 9	2.6	12 3	2.2	5 7	0.8
R 20613	48.2	3.4	3 1	3 85	0.273	0.44	< 0.02	0 41	0.04	0.06	0.34	47.6	342	388	80 1	270	31.9	4 6	21 2	1 9	8 68	1.5	3 9	0.5
R 20614	45.4	2.4	2 0	3.43	0 262	0 38	< 0 02	0.33	0 04	< 0.02	0 37	50 2	353	447	81 9	274	31.6	4.3	20.6	1.9	8.89	1.6	4.0	0.5
R 20615	30.4	3 0	3 3	6 60	0 168	0.42	< 0.02	0 52	0.03	< 0.02	0.38	61 4	258	316	61 5	206	23 8	3.3	15 2	1.4	6.14	1.1	2 7	0 4
R 20616	41.4	7 4	3.2	5 39	0.462	0.63	< 0 02	0 64	0 04	0 10	1.19	155	246	337	72.3	256	32.4	4.4	19.9	1.8	8.32	1 5	3.8	0.5
R 20617	46.8	3.4	1.7	4 57	0 543	0 52	< 0.02	0.33	0.03	0 04	0.63	72 3	275	321	69.2	230	28.0	3 9	18 2	1.7	8.60	1.6	4.3	0.6
R 20618	13.5	1.4	0.8	2 61	0.181	0.37	< 0.02	0 20	0.03	< 0 02	0.32	61.7	127	164	27.6	88.0	10.0	1.3	6 4	0.6	2.71	0.5	1.3	0 2
R 20619	22.9	2 5	1 1	3.40	0.525	0.37	< 0.02	0 27	0.08	0.04	0.38	53.8	228	317	52 7	168	18.2	2.3	11.6	1 0	4.56	0.8	2.1	0.3
R 20620	15.7	3.0	1 5	2 59	0.126	0.16	< 0.02	0 51	0 03	0 05	0.75	137	126	179	29 5	97.9	11.8	1.6	7 5	0.7	3.12	0.5	1 5	0.2
R 20621	14.4	2 5	1 3	2 87	0.186	0.47	< 0.02	0 30	0 08	< 0 02	0.38	53.0	159	201	34 5	111	11 9	1 6	7 2	0.6	2.94	0.5	1 3	0.2
R 20622	22.1	5.8	2.2	1.13	0 302	0.25	< 0.02	0 38	< 0 02	0 06	0 91	96.4	291	291	70 9	230	24 9	3 1	13 9	1.2	5.27	0.9	2 4	0 3

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Analyte Symbol	Y	Zr	Nb	Mo	Ag	Cd	In	Sn	Sb	Te	Cs	Ba	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	0 01	0.1	0 1	0.01	0.002	0.01	0 02	0 05	0 02	0.02	0.02	0 5	0.5	0 01	0.1	0.02	0 1	0.1	0 1	0.1	0 001	0.1	0 1	0.1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
R 20623	15 2	1.8	1 1	2 51	0 107	0.17	< 0 02	0.31	0 02	0 04	0 47	85 1	129	196	29.9	97 1	11 4	1 5	7 5	0 7	3 07	0 5	1 5	0 2
R 20624	14.0	2 2	1 5	2 42	0.124	0 24	< 0 02	0.38	< 0.02	0 02	0.59	104	127	201	28.0	91 8	10 6	1.4	7 0	0 6	2.82	0.5	1 3	0.2
R 20625	17.1	2 4	1 4	2 53	0.128	0 19	< 0.02	0 50	0 02	0 05	0.71	135	141	223	32 8	108	12 6	1.7	8 1	0 7	3 38	0 6	1 8	0.2
R 20626	16.2	2.6	1 7	1.84	0 116	0 27	< 0.02	0 53	0 02	0.04	1.04	162	160	243	37 4	120	13.7	1 9	8 7	0 8	3 55	0.6	1.6	0 2
R 20627	3.11	2 5	2 3	5 17	0 006	0.04	< 0.02	0.37	< 0.02	< 0 02	0.39	32.6	17.1	37 0	3.8	13 1	2.1	0 4	1.5	0.2	0.850	0.1	0.4	< 0 1
R 20628	18.6	2 5	1 2	2 63	0.078	0.17	< 0.02	0.38	0.02	0 07	0.67	99 5	144	275	36.8	123	14.4	2 0	9.3	0.8	3.82	0 7	1 8	0.2
R 20629	26 1	8 4	3 6	5 65	0.394	0 43	0 02	0 85	0 03	0 04	1.93	375	280	398	66 1	212	23 6	3 1	15.1	1 3	5.74	1 0	2 6	0.4
R 20630	59 8	1 7	1.3	4.22	0.376	0.41	< 0.02	0 24	0.04	0.02	0.27	48.3	371	625	92 7	326	42 4	6 8	30.1	2.7	12.3	2 1	5.3	0.7
R 20631	46.3	3.0	2 2	3.10	0 445	0.30	< 0 02	0 35	0 04	0 02	0.64	96.3	296	455	67.1	221	27 3	4.1	19 5	1.8	8.42	1 5	3 9	0.5
R 20632	46 9	3.2	2 3	4 43	0 247	0 41	< 0.02	0.39	0.03	< 0.02	0 80	85 7	280	456	70.8	243	31 2	4.3	21 3	2.0	9.19	1.6	4 3	0 6
R 20633	29.6	3.0	1.2	2.87	0 616	0.25	0.02	0 76	< 0 02	0.03	1.94	278	284	455	61.5	194	22 5	3.1	15 8	1.4	6 23	1.1	2.9	0.4
R 20634	13 3	3 0	3 3	5 17	0.041	0.09	< 0.02	0.75	< 0 02	0 04	0.42	61.8	77 6	150	19 6	67.9	9 3	1.5	6 4	0.6	2 86	0 5	1 3	0.2
R 20635	47.0	1.8	1 5	5.84	0.531	0.56	< 0.02	0 24	0 05	0 03	0.42	46.1	348	548	81 3	277	34 3	4.7	22 9	2.0	9 14	1 6	4 0	0 5
R 20636	29.9	2 7	2 1	2 75	0.250	0.39	< 0.02	0 45	< 0 02	0 05	1.33	101	206	280	54 8	188	23.7	3 2	15.1	1 4	6.22	1 1	2 9	0 4
R 20637	19.4	4 0	1 7	5.70	0.267	0.59	< 0.02	0 70	< 0.02	0.07	2.84	247	151	233	39.0	133	17 0	2.5	10 9	1.0	4.32	0.8	2.0	0.3
R 20638	30.0	3 5	1 5	4 44	0.250	0.23	< 0.02	0.32	0 03	0.08	1.20	113	174	353	43.2	147	18.9	2.8	13 6	1.2	5.66	1 0	2.7	0.4
R 20639	16.3	2 9	2.2	5.15	0.121	0.31	< 0.02	0.49	0.03	0.04	1.10	114	104	174	25.8	88.3	11.3	1 7	7 7	0.7	3.29	0.6	1.5	0.2
R 20640	25 3	2 4	1.7	6 80	0 285	0 56	< 0 02	0.33	0.03	0.02	1.20	75 8	168	321	42.3	142	18 2	2 6	12 5	1.1	5.29	0 9	2 4	0 3
R 20641	29 0	3.4	2 0	8 64	0 301	0.56	< 0 02	0 40	0.02	0.08	1.63	125	193	334	45.8	152	19.1	2 9	13.5	1.2	5.83	1 0	2 7	0 4
R 20642	20 4	8 6	0 7	1 36	0 214	0 17	0.03	1 07	< 0.02	0.05	5.24	503	187	321	41.4	136	16 3	2 3	11.2	1.0	4.32	0 7	2 0	0 3
R 20643	26 2	2 5	1.7	3 22	0 393	0 34	< 0.02	0 29	0 02	0.05	1 32	81.2	177	249	43 4	145	18 2	2 7	12.2	1 1	5.37	1 0	2 5	0.3
R 20644	15.0	2 3	1.7	6.47	0.147	0.31	< 0.02	0 36	0 03	< 0.02	1.24	119	105	170	26 5	91 5	11.6	1.7	7.8	0 7	3.24	0 6	1 5	0.2
R 20645	2.99	2 3	2.2	5 43	0.022	0.04	< 0.02	0 33	< 0.02	0 05	0.40	34.0	15 3	33.5	3 4	12.1	1 9	0.4	1 5	0.2	0 803	0 1	0 3	< 0.1
R 20646	19.8	9 2	3.0	3.94	0.305	0.48	0.02	0 69	< 0.02	0.05	3.17	89.3	169	258	42.7	146	17.8	2.6	11 5	1.0	4 44	0 8	2 0	0.3
R 20647	11 0	2 0	1.3	5 39	0.157	0.31	< 0.02	0 27	0 02	0.02	0.86	88 2	85.5	131	21.0	71.7	8 7	1.3	5 6	0.5	2 29	0 4	1 0	0.1
R 20648	24.0	3.1	2 0	5 96	0.254	0.49	< 0.02	0.50	< 0.02	0.04	2.07	162	176	275	49 2	170	21.4	3 0	13.4	1.2	5 26	0 9	2 3	0.3
R 20649	20 6	2 2	1.6	6.79	0.108	0.13	< 0 02	0.37	0 03	0.04	0.96	74 8	130	264	35.3	122	15 3	2 3	10 3	0.9	4.22	0.7	1.9	0.3
R 20650	35 2	3 5	2.2	3.09	0.326	0 93	< 0.02	0.37	0 03	< 0.02	1.86	64 9	212	300	57 2	198	24.8	3.6	16.2	1.5	7.05	1 3	3 3	0 5
R 20651	34.1	2.3	1.7	8 67	0 361	0 53	< 0.02	0.30	0 04	0 02	1.06	110	206	333	50.1	167	20.9	3 0	14 7	1.4	6.25	1.1	3 0	0 4
R 20652	32.2	1.8	1 4	7 15	0.428	0.56	< 0 02	0 22	0.03	< 0 02	0 81	73.3	196	298	48.2	163	20.4	2 9	13 8	1.2	5 77	1 0	2.6	0.4
R 20653	27.1	2.6	1.7	2.34	0.369	0 28	< 0 02	0 36	0.03	< 0.02	2 07	150	158	234	43.1	150	19.0	2 8	12.3	1 1	5.23	0.9	2.4	0.3
R 20654	4 49	2 6	2 8	3.12	0.009	0.05	< 0 02	0 47	< 0.02	< 0.02	0.58	31.8	25 0	53.3	5 4	18 6	2.8	0.5	2.2	0 2	1.15	0.2	0.5	< 0.1
R 20655	30.8	2.4	1 6	15 8	0 265	0.61	< 0.02	0 64	0 03	< 0 02	1.54	107	155	290	39 8	138	19 2	2.9	13.6	1.3	6.29	1.1	3.0	0 4
R 20656	37 9	2 2	1.4	18 9	0.460	0 51	< 0.02	0 22	< 0.02	< 0.02	1.82	134	201	347	57.5	205	27 5	4.2	18 2	1.7	8.05	1 4	3.7	0.5

Analyte Symbol	Yb	Lu	Hf	Ta	W	Re	Au	Tl	Pb	Th	U	LOI
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	%
Detection Limit	0.1	0.1	0 1	0.05	0 1	0 001	0 5	0 02	0.01	0.1	0.1	
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	GRAV
R 20465	1 8	0 3	< 0.1	< 0.05	0.2	0.002	1.9	0 17	5.17	4 9	4 6	8.02
R 20466	7.3	1.1	< 0 1	< 0.05	< 0.1	0 008	2.6	0.24	7.93	5 8	9 6	42.09
R 20467	3.6	0.5	< 0.1	< 0 05	< 0 1	0.007	3.7	0.20	6.53	3 6	7.2	32.93
R 20468	3.6	0 5	< 0.1	< 0.05	< 0 1	0.013	2.1	0.25	11.9	3.8	6 2	40.56
R 20469	3 1	0 4	< 0.1	< 0 05	< 0 1	0.003	1.9	0 22	7.00	4 0	4.6	26.79
R 20470	2.4	0.3	< 0.1	< 0.05	< 0.1	0.003	9 7	0 28	7.44	10 1	2.9	25 59
R 20471	5 4	0 8	< 0.1	< 0 05	< 0 1	0.010	2.3	0.42	6 71	4.1	49.6	31.80
R 20472	2 7	0.4	< 0 1	< 0 05	< 0.1	0.003	2.2	0.27	2 41	1 8	10 5	36.21
R 20473	3 4	0.5	< 0 1	< 0.05	< 0.1	0.002	1.9	0.31	7 17	2 0	24 3	30 59
R 20474	6.8	0.9	< 0.1	< 0 05	< 0 1	0.003	1 4	0.33	9 48	4 4	27.9	26 68
R 20475	4.7	0 7	< 0.1	< 0 05	0.2	0.004	1 4	0.24	5.12	3 4	10.7	30.07
R 20476	3.9	0 6	< 0.1	< 0 05	< 0.1	0 002	1.1	0.18	2.97	1.9	8.6	27.92
R 20477	5.7	0.8	< 0.1	< 0 05	< 0.1	0 004	2.0	0.26	3.88	6.0	19.3	28.41
R 20478	5.9	0.8	< 0 1	< 0.05	< 0.1	0.004	2 4	0.26	8.06	5.8	25 7	30.55
R 20479	2 0	0.3	< 0 1	< 0.05	< 0.1	0.002	1 6	0.16	4.34	2.8	15.8	47.08
R 20480	3.6	0.5	< 0.1	< 0 05	< 0.1	0.003	2.8	0.32	5.22	2.5	21 9	36.39
R 20481	5.9	0.8	< 0 1	< 0 05	0.1	0.004	2 4	0 29	8.02	5.3	20.3	29.74
R 20482	5.6	0.8	< 0.1	< 0.05	< 0.1	0.003	1.5	0 22	10.2	6.4	21 6	26.28
R 20483	0.4	< 0.1	< 0 1	< 0.05	0 2	0.001	0.7	0 07	4 43	5.9	0 8	3.86
R 20484	7 1	1.0	< 0 1	< 0.05	< 0.1	0.004	2.4	0.25	4 02	2.3	14 4	51.46
R 20485	4 1	0.6	< 0 1	< 0 05	< 0.1	0.003	2.4	0.30	9 18	11 3	13.1	13.71
R 20486	4.4	0 7	< 0 1	< 0.05	< 0.1	0.005	1 8	0 51	6 65	10.2	4.7	34.03
R 20487	4.8	0 7	< 0 1	< 0.05	< 0.1	0.005	4.2	0 35	10 2	11.7	7.1	32 37
R 20488	4.5	0 7	< 0 1	< 0.05	< 0.1	0 002	2.4	0 31	4.72	5.8	3.5	30 44
R 20489	3.4	0 5	< 0 1	< 0.05	< 0.1	0.005	1.1	0.12	3.84	2.0	1.0	42.22
R 20490	5.2	0 8	< 0.1	< 0 05	< 0.1	0.001	2.5	0 28	4 89	3 9	3.0	28 04
R 20491	2.7	0 4	< 0.1	< 0 05	< 0 1	0 004	3.2	0.62	15.0	44 2	4.3	11.47
R 20492	4.5	0 7	< 0.1	< 0 05	< 0 1	0.004	1 4	0.35	5 48	16 7	3.7	31.73
R 20493	6.1	0 9	< 0.1	< 0 05	< 0 1	0.008	1.8	0.33	8.60	12 6	19.2	23.75
R 20495	6.7	1.0	< 0.1	< 0.05	< 0 1	0.005	3.1	0.48	8.02	21 4	55.5	32.98
R 20496	5.4	0.8	< 0 1	< 0.05	< 0.1	0 003	1.1	0.55	8.27	13 9	14.1	24.20
R 20497	2.8	0 4	< 0.1	< 0.05	< 0 1	0.002	1.3	0.21	5 68	4.7	11.0	23.08
R 20498	2.8	0 4	< 0.1	< 0.05	< 0.1	0 003	1.4	0.29	7.53	2 8	137	44.94
R 20499	6.9	1.0	< 0 1	< 0.05	< 0.1	0 005	2.4	0.60	13 2	25.6	26.4	25 47
R 20500	3 9	0 5	< 0.1	< 0.05	< 0 1	0.003	0.8	0.26	6.11	7.6	14.3	26 66
R 20501	4 5	0.6	< 0 1	< 0.05	< 0.1	0.003	1 6	0.23	2 88	3.1	10.5	35.85
R 20502	3.4	0.5	< 0.1	< 0.05	< 0 1	0.005	2.5	0.32	7.31	4 1	26.0	26.42
R 20503	5.1	0.7	< 0.1	< 0 05	< 0 1	0.003	1 2	0.13	6.29	3.5	11 4	27.23
R 20504	6.0	0.9	< 0.1	< 0.05	< 0.1	0 009	2.8	0.57	8.33	9.5	21.1	28.05
R 20505	3.7	0.5	< 0 1	< 0.05	< 0 1	0 002	2.2	0.19	5.70	4.1	8.1	32.44
R 20506	1.3	0 2	< 0.1	< 0.05	< 0.1	0 002	1.1	0.22	7.86	14.7	13.1	4 23
R 20507	3.6	0 5	< 0.1	< 0.05	< 0.1	0.002	1.4	0.50	9.15	7 8	16.9	24 19
R 20508	4.7	0.7	< 0 1	< 0.05	< 0.1	0.002	< 0.5	0 77	10.3	6.0	23.6	23.47
R 20509	4.2	0.6	< 0 1	< 0.05	< 0.1	0.003	1 8	0.34	4 92	5 2	12.6	28.54
R 20511	1.4	0.2	< 0 1	< 0.05	< 0 1	0 002	1.2	0.10	7.69	1 9	3.5	38.09
R 20512	4 2	0.6	< 0 1	< 0 05	< 0 1	0.005	1.1	0.20	7.01	3 4	11.1	37.62
R 20513	4.2	0.6	< 0 1	< 0.05	< 0 1	0.003	2.5	0.55	10.3	28.5	9 6	20.19
R 20514	2.4	0.3	< 0.1	< 0.05	< 0 1	0.001	< 0.5	0.32	6.50	14.3	4 5	17.67
R 20515	3 7	0 5	< 0.1	< 0.05	< 0 1	< 0.001	2.2	0 23	4.91	10 3	7.9	17.40
R 20516	4.3	0.6	< 0.1	< 0.05	< 0 1	0.004	1 9	0.23	5.96	5 2	10.1	27.23
R 20517	6.2	0.9	< 0.1	< 0 05	< 0 1	0.003	2.2	0 14	5.91	6 4	17.0	19.35
R 20518	6.5	0.9	< 0 1	< 0 05	< 0 1	0 002	1.7	0.23	7.04	5.9	22 6	26.95

Analyte Symbol	Yb	Lu	Hf	Ta	W	Re	Au	Tl	Pb	Th	U	LOI
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	%
Detection Limit	0 1	0.1	0.1	0.05	0.1	0.001	0.5	0 02	0 01	0.1	0.1	
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	GRAV
R 20519	8.1	1 1	< 0.1	< 0.05	0.2	0.001	1.6	0.68	10 6	25.3	20.8	20 20
R 20520	1.8	0 3	< 0 1	< 0 05	< 0.1	0.002	1.7	0 25	5 04	7 2	6.6	18.34
R 20521	3 4	0 5	< 0 1	< 0.05	< 0 1	0.003	2.5	0 75	7 14	8 6	15.4	32.08
R 20522	4 4	0.6	< 0 1	< 0.05	< 0.1	0.003	2.3	0.85	15 6	35.3	12.3	19 75
R 20523	3.7	0.5	< 0.1	< 0.05	< 0.1	0.002	1.1	0 25	6 82	8.8	9.0	26 46
R 20524	8.8	1.4	< 0.1	< 0.05	< 0.1	0.003	2 5	0.85	11 6	7.8	17.5	32 33
R 20525	2 1	0.3	< 0.1	< 0 05	< 0.1	0.004	< 0 5	0 28	5 19	8.3	3.9	35.14
R 20526	2.0	0.3	< 0 1	< 0 05	0.1	0.002	1.6	0 20	5 93	10.2	3.9	17.19
R 20527	3.4	0 5	< 0 1	< 0.05	< 0.1	0 005	2 2	0 22	5 10	4.1	4.9	10.08
R 20528	0.4	< 0.1	< 0.1	< 0 05	0 1	0.001	< 0 5	0 08	5 32	10 7	1.0	29 98
R 20529	0.4	< 0.1	< 0 1	< 0.05	< 0 1	0.001	1.2	0 08	5 50	7 6	0.8	3.35
R 20530	1.9	0.3	< 0.1	< 0 05	< 0.1	0.003	2.7	0 28	8 05	4.3	3.5	23 51
R 20531	3 5	0.5	0.1	< 0.05	< 0 1	0.004	1.7	0 13	4.22	1.7	0.9	43 66
R 20532	1 9	0.3	< 0.1	< 0.05	< 0.1	0 004	1.6	0.39	3 39	3.9	2.4	36 42
R 20533	1.1	0.2	< 0.1	< 0.05	< 0.1	0.004	1 0	0 32	2.46	1.1	2 5	29 97
R 20534	1.5	0.2	< 0.1	< 0.05	< 0.1	0.002	1.5	0.27	4 54	4.4	2 7	19 72
R 20535	1.6	0 2	< 0 1	< 0.05	< 0.1	0 004	0.9	0 22	5 67	4.3	1 8	25.64
R 20536	2.5	0 4	< 0 1	< 0 05	< 0.1	0 003	2 8	0.22	4.79	3.7	2.2	35 88
R 20537	1 3	0 2	< 0 1	< 0.05	< 0 1	0.002	2.2	0 38	3.35	4.2	1 3	28.56
R 20538	2.0	0.3	< 0.1	< 0.05	< 0.1	0.006	2 8	0 79	12 2	28.9	3 8	20 92
R 20539	0.8	0.1	< 0 1	< 0 05	< 0.1	0 002	< 0 5	0.27	5.26	13 3	1 1	4 55
R 20540	2.2	0.4	< 0 1	< 0 05	< 0 1	0.003	2.3	0 94	17 5	55.9	3 2	13 14
R 20541	1 4	0 2	< 0.1	< 0 05	< 0.1	0.003	1.3	0 57	10 9	28.0	2.3	19 97
R 20542	1 8	0.3	0.1	< 0 05	< 0 1	0.004	2.7	1 01	15 1	49.7	3.1	15.36
R 20543	2 9	0 4	< 0.1	< 0.05	< 0.1	0.002	1 9	0 84	7 41	10.2	3 1	18 75
R 20544	1 0	0 2	< 0 1	< 0 05	< 0 1	0.002	1 6	0.37	7 14	11.2	1 1	6.52
R 20545	1 6	0 2	< 0.1	< 0 05	< 0 1	0.004	1 4	0.30	6.11	8.5	1 8	15.94
R 20546	0.9	0 1	< 0 1	< 0.05	0 1	0.002	0.9	0 29	9 58	8 9	1.3	39 61
R 20547	1.8	0 3	< 0 1	< 0 05	< 0 1	0.002	0.9	0.34	7.04	8 2	3.1	16.34
R 20548	3 3	0 5	< 0 1	< 0 05	< 0 1	0.003	0 8	0.29	7 51	7.5	5 8	20.55
R 20549	2 7	0 4	< 0.1	< 0 05	< 0 1	0.002	< 0 5	0.77	9.40	30.2	7 3	13.15
R 20550	2 4	0.4	< 0 1	< 0 05	< 0.1	0.002	0.6	0.39	8.88	14 7	5.0	13.25
R 20551	1.4	0 2	< 0.1	< 0 05	0.1	0 002	0 6	0 22	4.04	8 7	16 2	9.14
R 20552	1.2	0 2	< 0 1	< 0 05	< 0.1	< 0 001	1 2	0 07	3.17	3.6	5.0	7 61
R 20553	0.9	0.1	< 0.1	< 0.05	0.1	0 003	< 0 5	0 10	4.96	2 8	10.4	21 79
R 20554	1.5	0.2	< 0 1	< 0 05	0 1	0.001	1 7	0 10	3 94	3.1	8.6	10 59
R 20555	1.3	0 2	< 0.1	< 0 05	0 1	0.003	< 0.5	0.28	7 68	4.0	15.3	23 39
R 20556	2 2	0 3	< 0 1	< 0 05	< 0.1	0.005	1 2	0 17	10.5	2.3	39 7	33.41
R 20557	1 6	0 2	< 0.1	< 0 05	< 0.1	0.003	1 5	0 19	3.73	3 1	16 5	29 82
R 20558	1.5	0.2	< 0.1	< 0.05	< 0 1	0.002	< 0.5	0.10	4 11	1.8	7.0	12 05
R 20559	2.3	0 4	< 0.1	< 0.05	0 2	0.002	1 0	0.13	5.34	1.9	12 4	22 03
R 20560	3.5	0.6	< 0.1	< 0 05	0 2	0.007	3.2	0.60	9 51	27.5	15.6	15.47
R 20561	2.1	0 3	< 0.1	< 0 05	< 0 1	0 004	0.9	0 34	6.24	7.7	6 8	30.57
R 20562	1.0	0 2	< 0.1	< 0 05	< 0.1	0.003	1.6	0 85	12 3	40 5	3.1	13.27
R 20563	1.5	0.2	< 0 1	< 0.05	< 0.1	0.004	1.4	0 67	8.22	21.6	7.0	24 45
R 20564	2.1	0 3	< 0.1	< 0 05	< 0 1	0.002	0.6	0.30	3 26	5.3	3.6	43 88
R 20565	1.2	0 2	< 0 1	< 0.05	< 0 1	0.004	0 8	0.21	5.54	6.5	1 9	23 26
R 20566	1.9	0 3	< 0 1	< 0 05	< 0 1	0.005	1.0	0.32	4.08	5 3	2 3	35 04
R 20567	1 3	0 2	< 0 1	< 0 05	< 0 1	0.005	3.0	0 20	3 27	4 2	1 2	41.18
R 20568	1 8	0 3	< 0.1	< 0.05	< 0 1	0.005	2 9	0.28	3 96	7.5	2 3	33 92
R 20569	0.8	0.1	< 0.1	< 0 05	< 0 1	0 003	0.7	0 17	2 59	4.3	1 0	22 44
R 20570	1.5	0.2	< 0 1	< 0 05	< 0.1	0.004	1 8	0 26	5 85	4.3	2 9	33 57

Analyte Symbol	Yb	Lu	Hf	Ta	W	Re	Au	Tl	Pb	Th	U	LOI
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	%
Detection Limit	0.1	0.1	0 1	0 05	0 1	0.001	0 5	0.02	0 01	0.1	0.1	
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	GRAV
R 20571	1 3	0 2	< 0.1	< 0.05	< 0 1	0.006	< 0.5	0.31	6 17	11.9	2.6	19.39
R 20572	0.3	< 0.1	< 0.1	< 0.05	0 2	0.001	1.1	0.06	2.94	4 9	0.5	1.38
R 20573	1.1	0 2	< 0 1	< 0 05	0.1	0.005	0 7	0 34	9 93	19.3	3 0	7.75
R 20574	2 7	0.4	< 0 1	< 0.05	< 0.1	0 004	1.9	0.39	7.23	7.9	7.4	30.52
R 20575	1 9	0 3	< 0.1	< 0 05	< 0 1	0.004	1.1	0 25	4 25	3 2	8.7	38.47
R 20576	2.2	0 3	< 0.1	< 0 05	< 0 1	0 004	0.9	0.19	5 26	3.0	5 4	32.17
R 20577	3.1	0.5	< 0 1	< 0 05	< 0.1	0 004	0 6	0.30	6.98	7 7	14.1	33 46
R 20578	1.7	0.3	< 0 1	< 0 05	< 0.1	0 005	1 0	0 24	8.53	5 5	5.7	32.85
R 20579	1 9	0 3	< 0.1	< 0 05	< 0.1	0.005	2.7	0.40	6.12	10.6	5 5	36.31
R 20580	1.1	0.2	< 0 1	< 0.05	< 0 1	0.003	0.9	0.23	4.41	14.2	2 5	15.36
R 20581	1 1	0.2	< 0.1	< 0.05	< 0 1	0.005	3.4	0 47	2 02	4.2	1.5	40.67
R 20582	1 5	0.2	< 0.1	< 0 05	< 0 1	0.005	2 4	0 24	3 96	5 9	1.9	24.67
R 20583	1.6	0.3	< 0.1	< 0 05	< 0 1	0 003	1 3	0.28	4.09	5 0	1.8	32.53
R 20584	1.8	0 3	< 0.1	< 0 05	< 0 1	0 003	1.5	0 30	3 30	9 8	2.9	22.90
R 20585	2.6	0 4	< 0.1	< 0 05	< 0.1	0.006	2.8	0.44	7.00	15 9	3.3	27.18
R 20586	1.4	0 2	< 0.1	< 0.05	< 0.1	0 004	1.8	0.70	8.75	21 4	6.6	24.11
R 20587	2.6	0 4	< 0 1	< 0 05	< 0 1	0 006	4.1	0.56	3 40	11.0	6.9	37.37
R 20588	3.0	0 5	0 2	< 0 05	0.1	0 007	3.5	0.61	23 0	6 7	26.5	46 58
R 20589	3.1	0 5	< 0.1	< 0.05	0 1	0 004	1.5	0.44	6 84	9.5	18.9	27.75
R 20590	0.4	< 0 1	< 0 1	< 0 05	0 5	0 005	0.6	0.08	4.60	8.6	0.9	3 33
R 20591	2.1	0.3	< 0.1	< 0 05	0.1	0.005	3.8	0.72	10.9	24.5	16.7	23.51
R 20592	2.9	0.4	< 0.1	< 0.05	0.2	0.006	2.0	0.53	11 9	28.4	65 8	19.10
R 20593	1 5	0.2	< 0 1	< 0 05	< 0.1	0.003	2 1	0.58	4.25	6.8	23.7	32.04
R 20594	2 8	0.4	< 0 1	< 0 05	< 0.1	0 003	1 3	0.15	7.63	7.9	9 3	25 60
R 20595	6.1	0.9	< 0 1	< 0 05	< 0 1	0.005	2.0	0.28	7.86	4.8	19 9	28 10
R 20596	2.6	0.4	< 0 1	< 0.05	< 0.1	0.002	1.0	0.19	8.81	3.0	29 0	27.11
R 20597	5.5	0.8	< 0.1	< 0 05	< 0.1	0 003	0 9	0 20	16 2	3 9	88.7	24 08
R 20598	1.1	0.2	< 0 1	< 0.05	< 0.1	0.001	< 0.5	0.35	9.25	19.2	14 4	2.44
R 20599	2 0	0.3	< 0.1	< 0.05	0 2	0.003	< 0.5	0.08	5 34	8.3	8 9	7 22
R 20600	2 9	0.4	< 0.1	< 0.05	0 1	0 002	1.1	0.11	4 51	4 9	11.6	17.13
R 20601	2.8	0 4	< 0.1	< 0.05	< 0.1	0.004	0.9	0 14	3.84	4.2	11.2	22 36
R 20602	5 1	0 8	< 0 1	< 0.05	< 0.1	0.005	1.5	0.48	12 4	14.5	20.5	26 86
R 20603	4.0	0.6	< 0 1	< 0.05	< 0.1	0.002	1 8	0.34	7.61	12.6	10.2	26.03
R 20604	1.0	0.1	< 0.1	< 0 05	< 0 1	0.001	1.5	0.32	8.86	18.3	4.6	3 66
R 20605	2 6	0.4	< 0 1	< 0.05	< 0 1	0.002	2 8	0.24	7 06	6 3	10.3	20.75
R 20606	3.9	0.5	< 0 1	< 0.05	< 0 1	0.004	1.1	0.25	5.32	2.5	20.0	36.96
R 20607	2 8	0.4	< 0 1	< 0.05	< 0.1	0.002	0 7	0 24	3.99	2.6	11 2	28.89
R 20608	3.2	0.4	< 0 1	< 0.05	< 0 1	0.004	0 7	0 35	4 01	2 0	11.7	30.05
R 20609	4.6	0.6	< 0.1	< 0 05	< 0 1	< 0.001	1.4	0 60	13 1	17 1	14.8	24.42
R 20610	5.7	0 8	< 0.1	< 0.05	< 0 1	0 004	2.7	0.32	6.30	8 0	31.0	28.10
R 20611	5.2	0 8	< 0.1	< 0.05	< 0.1	0.003	< 0.5	0 24	8.33	8.7	12.5	18.03
R 20612	4.2	0.6	< 0.1	< 0.05	< 0 1	0.004	2.6	0.34	5.95	8 9	12.8	26.89
R 20613	2.9	0.4	< 0 1	< 0.05	< 0 1	0.002	1 0	0.22	5.77	8 6	2.6	35.62
R 20614	3.0	0.4	< 0 1	< 0 05	< 0 1	0.004	2 6	0.22	4.44	5.7	2.7	27.68
R 20615	1 9	0.3	< 0.1	< 0 05	0 1	0.003	0.7	0 28	4.97	10 0	2.1	18.67
R 20616	3 0	0 5	< 0 1	< 0 05	< 0.1	0.005	2.0	0 66	12.1	28.4	3.4	25.33
R 20617	3.4	0 5	< 0 1	< 0 05	< 0 1	0.004	1.1	0.29	5.58	10.9	2.1	31.85
R 20618	1.0	0 2	< 0 1	< 0 05	< 0 1	0.002	0.8	0.13	3.63	2.6	1 4	21.96
R 20619	1.7	0.3	< 0 1	< 0.05	< 0.1	0.003	1.1	0.21	5.38	6 0	2.8	33.43
R 20620	1 2	0.2	< 0.1	< 0 05	< 0.1	0.003	1.0	0 23	6.04	8 0	2.1	9.49
R 20621	1.0	0.2	< 0.1	< 0.05	< 0 1	0.004	< 0.5	0 20	5.36	3 4	0.9	36.53
R 20622	1.8	0 3	< 0 1	< 0.05	< 0 1	0.003	2.4	0.47	6.54	16 0	2.7	25.93

Analyte Symbol	Yb	Lu	Hf	Ta	W	Re	Au	Tl	Pb	Th	U	LOI
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	%
Detection Limit	0.1	0.1	0.1	0 05	0 1	0.001	0 5	0.02	0 01	0.1	0.1	
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	GRAV
R 20623	1 1	0 2	< 0 1	< 0 05	< 0.1	0.002	< 0.5	0 14	4.12	4.7	1.6	13 30
R 20624	1 0	0 2	< 0.1	< 0 05	< 0 1	0.001	< 0 5	0 20	4 97	5.4	1 7	12 59
R 20625	1.3	0 2	< 0 1	< 0.05	< 0 1	0.002	2.1	0 25	6.12	8.1	1.9	10.49
R 20626	1.3	0.2	< 0 1	< 0.05	< 0.1	0.002	1.0	0 36	8 00	12.0	2.0	15.08
R 20627	0.3	< 0.1	< 0 1	< 0.05	0.2	0 001	< 0 5	0 06	3 31	6.4	0.6	1 60
R 20628	1.5	0 2	< 0.1	< 0 05	< 0.1	0.003	1 1	0.22	5 44	9.5	2.2	13 98
R 20629	2.1	0.3	< 0.1	< 0 05	< 0.1	0.005	0.9	0 75	17 8	35.3	5.9	20.00
R 20630	4.0	0.6	< 0 1	< 0 05	< 0.1	0.006	1.1	0 26	2 85	5.6	3.1	38 22
R 20631	3.1	0.4	< 0 1	< 0 05	< 0.1	0.002	2.0	0 39	7 02	9.3	4 0	26.08
R 20632	3 4	0 5	< 0.1	< 0 05	< 0 1	0.004	1.3	0 43	8 15	12.4	5.5	23 53
R 20633	2 2	0.3	< 0.1	< 0.05	< 0.1	0.003	3.0	0.69	13 8	49 5	2.8	13.00
R 20634	1 0	0 1	< 0.1	< 0 05	0.2	0 002	1.2	0 15	5 04	13.5	1 2	3.18
R 20635	2.9	0 4	< 0.1	< 0 05	< 0.1	0 005	2 0	0.12	6.45	6.4	16 8	43.53
R 20636	2.3	0 3	< 0.1	< 0.05	< 0.1	0.004	2.8	0 41	7.82	14.6	5 6	20 92
R 20637	1.7	0 3	< 0.1	< 0.05	< 0.1	0.004	1.2	0 73	13 8	27.2	7 2	15.48
R 20638	2.2	0 3	< 0.1	< 0 05	< 0.1	0.003	1.5	0 34	6.51	15.9	4.9	20 86
R 20639	1.2	0.2	< 0.1	< 0.05	0.1	0.003	0 6	0 28	7 82	8.0	3.4	15.68
R 20640	1.9	0.3	< 0.1	< 0 05	< 0 1	0.002	1.9	0 31	10.7	8.4	8.0	27.07
R 20641	2.1	0 3	< 0 1	< 0 05	< 0.1	0 002	1.0	0.66	6 89	10 5	6.4	25 17
R 20642	1.6	0 2	< 0 1	< 0 05	< 0 1	0.002	1.6	1 22	15 9	45 1	4.5	9 73
R 20643	2 0	0 3	< 0.1	< 0.05	< 0.1	0 003	0 6	0 29	6 01	9 0	5.0	28 34
R 20644	1 2	0.2	< 0.1	< 0 05	0.1	0 002	< 0 5	0 29	5.26	7 2	3.8	15.56
R 20645	0 3	< 0 1	< 0 1	< 0 05	0.2	< 0.001	< 0.5	0 06	3 08	5.1	0 6	1.30
R 20646	1.6	0 3	0 1	< 0 05	< 0.1	0.003	1 7	0 84	13 8	30.6	6.8	20.19
R 20647	0.8	0 1	< 0.1	< 0.05	0.1	0.001	1 1	0 20	3 89	6.4	2.6	19.61
R 20648	1.9	0 3	< 0 1	< 0 05	< 0.1	0.003	1.6	0 53	11.0	17 9	10.5	15.03
R 20649	1 5	0.2	< 0 1	< 0 05	< 0.1	0.001	< 0 5	0.17	5.82	8 0	5.3	14.05
R 20650	2 6	0 4	< 0.1	< 0 05	< 0 1	0 004	2.0	0 32	9 76	8.4	9 5	31.51
R 20651	2 4	0.3	< 0 1	< 0 05	< 0 1	0 004	0 6	0 58	9 21	7.9	7 6	27 55
R 20652	2.1	0.3	< 0 1	< 0 05	< 0.1	0 003	2.3	0 22	7.47	4.2	6.7	33 36
R 20653	1.9	0.3	< 0 1	< 0 05	< 0.1	0 002	1.1	0.44	7.01	11 3	10 7	24 38
R 20654	0.4	< 0 1	< 0 1	< 0 05	0 1	0.001	< 0 5	0.07	4.95	10 7	0 9	3 50
R 20655	2.5	0 4	< 0 1	< 0 05	< 0 1	0.003	1.1	0.42	7.80	9 2	8 3	21.93
R 20656	2 9	0 4	< 0.1	< 0 05	< 0 1	0.004	1 4	0 50	8.68	5 7	12 4	27 92

Quality Control

Analyte Symbol	Li	Be	B	Na	Mg	Al	K	Bi	Ca	Sc	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Rb	Sr
Unit Symbol	ppm	ppm	ppm	%	%	%	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.1	0.1	1	0.001	0.01	0.01	0 01	0 02	0 01	0 1	1	0.5	1	0.01	0.1	0.1	0 01	0.1	0.02	0.1	0.1	0 1	0.1	0 5
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
GXR-1 Meas	4.2	0 8	10	0.032	0.13	0.31	0.03	1400	0 72	1 4	68	6 0	712	23.8	7 7	38.6	1110	771	3.66		364	16 8	2.0	162
GXR-1 Cert	8.20	1.22	15.0	0 0520	0 217	3 52	0 0500	1380	0 960	1.58	80 0	12.0	852	23.6	8.20	41.0	1110	760	13.8		427	16 6	14 0	275
DH-1a Meas																								
DH-1a Cert																								
GXR-4 Meas	7 7	1 3	3	0.106	1.18	2.22	1.44	19 6	0 71	5 6	66	48.5	122	3.14	14 5	41.0	6540	717	10.2		88.0	5 8	92.6	70.0
GXR-4 Cert	11 1	1.90	4 50	0 684	1.66	7.20	4.01	19 0	1 01	7.70	87.0	64 0	155	3 09	14.6	42.0	6520	73.0	20 0		98.0	5.60	160	221
LKSD-1 Meas																								
LKSD-1 Cert																								
LKSD-1 Meas																								
LKSD-1 Cert																								
GXR-6 Meas	21.0	0.7	4	0.058	0 28	4.93	0 80	0.14	0 16	16 3	119	56 7	706	4 67	11 9	20.2	61.1	118	15.4		157	0 4	52 8	34.1
GXR-6 Cert	32 0	1.40	9.80	0.104	0 609	17.7	1.87	0.290	0.180	27 6	186	96 0	1010	5.58	13 8	27.0	66 0	118	35.0		330	0.940	90 0	35.0
LKSD-3 Meas																								
LKSD-3 Cert																								
LKSD-3 Meas																								
LKSD-3 Cert																								
OREAS 13b (4-Acid) Meas												308			51 8	2430	2560	66.0			47.1			
OREAS 13b (4-Acid) Cert												8650			75	2247	2327	133			57			
R 20477 Orig	8.7	0.3	1	0 027	0 26	1.59	0.12	< 0.02	0.22	1.3	13	17 9	83	1.01	4 4	12.2	100	99.2	2 30	0 8	0.5	1 8	16 7	21 3
R 20477 Dup	8.7	0.4	2	0.019	0 25	1 56	0.12	< 0 02	0.22	1.4	13	18 0	81	1.00	4 4	12.3	98.6	96.4	2 21	0 7	0.8	1.9	16 5	21 0
R 20491 Orig	30.0	0.9	2	0 020	1 08	3 08	0.63	0 05	0.28	6.6	74	37.7	945	6 10	27 0	32.4	187	166	11.7	0 6	0.3	1.8	93 2	34 0
R 20491 Dup	28.0	0 8	2	0.020	1.04	2 97	0.61	0 05	0.27	6.5	72	36 2	918	5.95	26.1	31.2	182	166	11.9	0 5	0.2	1.3	90 0	33.8
R 20505 Orig	4 4	1 0	6	0 017	0 21	1.81	0.09	0.05	0 26	1 7	23	20 3	118	4.74	7.4	12 1	185	86.0	2 59	0 4	0.8	2.7	9 2	18 0
R 20505 Dup	4 8	1.1	5	0.017	0 21	1.82	0.09	0 05	0.27	1.4	24	20.1	118	4.74	7.3	12.5	169	91.4	2.53	0 4	0 8	2.7	9.4	18 0
R 20520 Orig	13.0	0.3	2	0.023	0 55	1.23	0 27	0.03	0.38	2.9	36	21 9	208	2 17	11 5	18.9	62.8	118	4 94	0.3	0.2	1.5	26.5	31.5
R 20520 Dup	14.0	0.4	13	0.032	0.63	1.40	0 31	0.03	0.42	3 1	41	24 5	235	2 41	12 5	20.5	67.4	134	5.43	0 3	< 0.1	1 2	29.1	36.2
R 20543 Orig	11.0	0.6	3	0.030	0.43	1.71	0 23	0.04	0 23	2 7	37	36.4	442	3 85	24 2	17.1	65.3	113	5 05	0 5	< 0.1	2.0	29 0	21.9
R 20543 Dup	12.0	0.5	3	0.034	0.45	1.81	0 24	0 05	0 25	2 9	41	38 7	460	3.97	25 4	17.8	69.4	119	5 30	0 5	0.2	1.9	30 3	23 7
R 20557 Orig	5.5	0 3	3	0 026	0 22	1.33	0.11	0.04	0 31	1 5	26	42.2	108	2.47	10 6	14.2	84.5	83.3	2 74	0 4	0.7	2 0	9 2	19 9
R 20557 Dup	5.4	0.3	5	0 025	0.22	1.26	0 10	0.03	0 29	1.4	26	40 1	103	2 34	10.0	14.0	81.8	76.5	2 67	0.4	0 2	1 6	8.9	19.2
R 20570 Orig	5 8	0.4	8	0.029	0.25	1.29	0.14	0 04	0 35	2 0	24	27 5	145	2.20	7.8	13.7	98.5	113	2 83	0 6	1.1	1.6	12.9	18 4
R 20570 Dup	6.8	0.4	9	0 034	0.29	1 51	0.16	0 05	0 41	2.0	29	32 5	169	2.57	9 1	16 0	114	132	3 40	0 7	1.1	2.0	15 1	21 3
R 20584 Orig	8.2	0.5	3	0.030	0.45	1 33	0.26	< 0.02	0 41	3.6	35	25 1	189	2 65	8 6	14.1	112	122	4 12	0 6	< 0.1	1.5	22 6	20 0
R 20584 Dup	8.1	0.6	2	0.029	0.43	1 27	0.25	< 0.02	0.40	3 4	35	24.1	181	2.55	8 4	13.5	109	118	3 99	0 6	1.0	1.5	21.9	19.4
R 20600 Orig	6.3	0.4	2	0.036	0.25	1 07	0.12	0.03	0.29	1 9	20	59 6	122	1 25	4 6	10.5	60.8	51.4	2 57	0.3	1.2	1.6	11 4	24 3
R 20600 Dup	6.4	0.4	3	0 035	0.26	1.10	0.12	0.02	0.29	1 7	21	60.8	125	1 27	4 8	10.5	60.8	51 8	2 66	0 3	0.4	1.3	11 5	23.5
R 20614 Orig	6.9	0.4	4	0.029	0 27	1.10	0.13	0.02	0 36	1 7	19	39.4	111	0.97	5 0	12.3	68.8	80.8	2 73	0 5	0.8	1.4	15.9	26 8
R 20614 Dup	7.0	0.3	4	0.029	0 26	1.07	0.13	0 02	0 35	1.8	19	40 0	107	0.95	4.8	12.2	67 4	77 8	2 57	0 5	0.8	1.9	15.5	26 4
R 20627 Orig	5.4	0 1	< 1	0 024	0 25	0 50	0.12	0 02	0.29	1.3	14	68 9	119	1 18	4 2	6 3	8 42	25 8	2.83	0 1	< 0.1	0.2	10.7	34 1
R 20627 Dup	5.3	0 2	< 1	0.024	0.26	0.50	0.12	< 0.02	0.29	1 1	14	70 9	119	1.16	4.1	5.9	8.22	26 4	2.76	0.1	< 0.1	0.1	10 4	33 4
R 20641 Orig	13.0	0 5	4	0.037	0 52	2 02	0.31	0.04	0.24	3.1	39	30 7	258	6.65	18.7	34.7	125	148	5.49	0 5	0.6	2.6	41.3	23 0
R 20641 Dup	13.0	0 5	4	0.039	0.54	2 09	0.32	0.04	0.25	3.1	39	31.3	266	6.82	18.9	34.9	128	149	5.84	0.5	0.3	2.8	42.6	23 7
Method Blank Method Blank	< 0.1	< 0.1	< 1	< 0 001	< 0 01	< 0 01	< 0.01	< 0 02	< 0 01	< 0 1	< 1	< 0.5	< 1	< 0.01	< 0 1	< 0.1	< 0.01	< 0 1	< 0 02	< 0 1	< 0.1	< 0.1	< 0.1	< 0.5

Quality Control																							
Analyte Symbol	Y	Zr	Nb	Mo	Ag	Cd	In	Sn	Sb	Te	Cs	Ba	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	0.01	0 1	0.1	0 01	0.002	0.01	0.02	0.05	0 02	0.02	0 02	0.5	0.5	0 01	0.1	0.02	0 1	0.1	0.1	0 1	0.001	0 1	0 1	0.1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
GXR-1 Meas	24.3	16 2	0 3	16 5	27 8	2.24	0 65	21 4	77 5	13.5	2.60	227	4.2	10.5		5.68	2 1	0 5	3 3	0 6	4 11			0.3
GXR-1 Cert	32.0	38.0	0 800	18 0	31 0	3 30	0 770	54 0	122	13.0	3 00	750	7 50	17 0		18.0	2.70	0.690	4 20	0.830	4 30			0.430
DH-1a Meas																								
DH-1a Cert																								
GXR-4 Meas	10.9	11.1	0 2	299	3.27	0.10	0.19	5.24	2 64	0 99	2.43	20.6	49 8	94.6		36.0	5.6	1.3	4.5	0.5	2 43			0 1
GXR-4 Cert	14.0	186	10.0	310	4.00	0.860	0.270	5.60	4.80	0.970	2.80	1640	64 5	102		45.0	6.60	1 63	5 25	0 360	2 60			0.210
LKSD-1 Meas																								
LKSD-1 Cert																								
LKSD-1 Meas																								
LKSD-1 Cert																								
GXR-6 Meas	5 34	14.4	< 0 1	0.97	0 262	0 08	0.05	0 82	1 05	< 0 02	2 90	1160	9 6	27 8		9 25	1.9	0.5	1 7	0 2	1.25			< 0.1
GXR-6 Cert	14.0	110	7 50	2 40	1.30	1.00	0.260	1 70	3 60	0.0180	4 20	1300	13 9	36 0		13.0	2 67	0 760	2 97	0.415	2 80			0 0320
LKSD-3 Meas																								
LKSD-3 Cert																								
LKSD-3 Meas																								
LKSD-3 Cert																								
OREAS 13b (4-Acid) Meas				8 04	0 805																			
OREAS 13b (4-Acid) Cert				9 0	0 86																			
R 20477 Orig	78.8	1 5	1.0	2.09	0.222	0 49	< 0.02	0.14	0 02	< 0.02	0.80	56 6	301	457	95 6	375	53 8	8.2	34 5	3.2	15.2	2 7	7 1	1 0
R 20477 Dup	75.6	1 3	1 0	1 99	0.233	0 43	< 0.02	0.13	0 02	0.02	0.81	57.0	306	460	95 1	370	53 0	8 1	34 6	3.3	15 7	2 8	7.1	1.0
R 20491 Orig	33 3	4.4	1 5	4 06	0 504	0 21	0.03	1.04	0 03	< 0 02	1.44	256	304	459	71 6	234	27 7	3.6	17.6	1.6	7.24	1.3	3 3	0 4
R 20491 Dup	32 7	4.6	1 6	3 94	0 467	0 20	0.02	0.80	0.03	< 0.02	1.38	247	291	444	69.8	231	27 4	3.6	17 1	1.5	6.80	1.2	3 1	0 4
R 20505 Orig	46.1	1.7	1 4	4 16	0 229	0.36	< 0.02	0 23	0 05	< 0.02	0 54	49.6	190	329	54 1	201	29 8	5 2	19 4	1.9	9 53	1.7	4 4	0 6
R 20505 Dup	46.8	1 7	1 4	3 99	0.256	0.34	< 0 02	0 23	0 05	< 0 02	0 55	48.0	198	341	56.3	206	30 5	5 2	19 8	2.0	10.0	1 6	4.6	0 6
R 20520 Orig	24 5	3 1	2.4	2.36	0.099	0 38	< 0.02	0 41	0 03	< 0 02	0.77	120	132	191	32.6	115	15 4	2 3	10.2	1 0	4 85	0 9	2 3	0.3
R 20520 Dup	27.1	3 3	2 5	2 65	0.120	0 37	< 0.02	0.46	0 03	< 0 02	0.87	133	140	204	35.3	125	17.0	2 5	11 1	1.1	5 26	0 9	2 4	0 3
R 20543 Orig	34 3	3.0	1.7	3 96	0.285	0 54	< 0.02	0 38	0 03	0.03	0.72	120	242	515	57.6	192	24 0	3.6	17 1	1 5	7.03	1 2	3 3	0 4
R 20543 Dup	36.3	3 1	1.8	4 08	0 288	0 55	< 0.02	0 39	0 03	0.03	0.76	126	258	551	61.5	206	25.4	3 8	17 9	1 6	7 67	1.3	3.6	0.5
R 20557 Orig	22.8	1.9	2 0	3.87	0.290	0.24	< 0.02	0 26	0 04	< 0 02	0.61	61.4	197	356	49 7	176	22 2	3 2	13 8	1.1	5.13	0 8	2 1	0 3
R 20557 Dup	21 8	1.9	2 0	3.68	0.211	0 21	< 0.02	0 25	0 03	< 0 02	0.57	59.8	194	346	48.7	170	21 6	3 0	12 9	1.1	4 82	0 8	2 1	0 3
R 20570 Orig	19 7	1.8	1.1	4.91	0 350	0.37	< 0.02	0 23	0 05	< 0.02	0.35	62 6	370	453	88 3	283	28 2	3.2	15.1	1.1	4.74	0 8	1 9	0.2
R 20570 Dup	23 3	2 0	1.3	5 87	0.411	0 38	< 0 02	0 26	0.06	< 0 02	0.41	75.0	435	530	102	331	33 3	3.8	18.7	1 4	5 50	0 9	2 2	0.3
R 20584 Orig	24 9	2.9	1.9	4 78	0.332	0 32	< 0.02	0 35	< 0 02	< 0 02	0 36	110	403	505	100	321	32 6	3 5	17 9	1.4	5 62	0 9	2.3	0.3
R 20584 Dup	24 0	2.7	1 8	4 63	0.323	0.30	< 0 02	0 35	< 0 02	< 0.02	0 34	105	392	486	96.4	310	31 6	3 4	17 2	1.3	5 42	0 9	2 3	0.3
R 20600 Orig	38 5	2.0	1 9	8 82	0.090	0 16	< 0.02	0 34	< 0.02	< 0 02	0 57	45.7	154	248	42.1	155	22 2	3 6	15 7	1 6	7 81	1 4	3 6	0 5
R 20600 Dup	39.1	2.1	2 0	8 89	0 079	0 18	< 0 02	0 33	0 03	< 0.02	0.56	45.1	151	244	42.0	155	22 7	3 6	15.5	1 6	7 62	1 4	3 5	0 5
R 20614 Orig	46.4	2.4	2 0	3 47	0 256	0 40	< 0 02	0 34	0 04	0 04	0.37	49 6	356	453	83 0	277	32 1	4.4	20 8	1.9	8.68	1.6	4 0	0.5
R 20614 Dup	44.3	2 3	1 9	3 38	0 257	0.37	< 0.02	0 32	0 04	< 0 02	0 37	50 8	349	441	80 9	270	31.1	4 2	20 4	1 8	8.71	1 5	4.0	0.5
R 20627 Orig	3.09	2.5	2 3	5.14	0.009	0.03	< 0.02	0.37	< 0.02	0.03	0 40	33.7	17 5	37.7	3 8	13 2	2 1	0 4	1 5	0 2	0 873	0 1	0.4	< 0 1
R 20627 Dup	3 13	2 5	2 4	5 19	0.003	0 04	< 0.02	0 38	< 0.02	< 0 02	0.38	31.6	16 7	36 2	3 7	13.0	2 0	0.4	1.5	0 2	0 827	0.1	0.4	< 0 1
R 20641 Orig	28.4	3.2	1.9	6 56	0.308	0 59	< 0.02	0 39	0 02	0 08	1.62	119	193	333	45 5	150	18.9	2 9	13 4	1.2	5 60	1.0	2 7	0 4
R 20641 Dup	29 5	3 5	2.1	6 72	0.293	0.54	< 0 02	0.41	0.02	0 09	1.63	130	193	335	46.1	155	19.4	2 9	13 6	1 2	5 65	1.0	2.7	0 4
Method Blank Method Blank	< 0.01	< 0 1	< 0.1	< 0.01	< 0 002	< 0.01	< 0 02	< 0 05	< 0.02	< 0 02	< 0 02	< 0 5	< 0.5	< 0 01	< 0.1	< 0.02	< 0.1	< 0 1	< 0.1	< 0.1	< 0.001	< 0 1	< 0 1	< 0.1

Quality Control

Analyte Symbol	Yb	Lu	Hf	Ta	W	Re	Au	Tl	Pb	Th	U	LOI
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	%
Detection Limit	0 1	0 1	0.1	0.05	0 1	0 001	0 5	0.02	0 01	0.1	0 1	
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	GRAV
GXR-1 Meas	1 9	0 2	< 0 1	< 0 05	151		3240	0.33	739	2.7	34.8	
GXR-1 Cert	1 90	0.280	0.960	0 175	164		3300	0.390	730	2 44	34.9	
DH-1a Meas										> 200	2540	
DH-1a Cert										910	2630	
GXR-4 Meas	0.8	0.1	0 3	< 0.05	12 3		470	2.65	49 8	22 0	5 4	
GXR-4 Cert	1.60	0 170	6 30	0.790	30.8		470	3.20	52.0	22 5	6 20	
LKSD-1 Meas												23.31
LKSD-1 Cert												23 5
LKSD-1 Meas												23.40
LKSD-1 Cert												23.5
GXR-6 Meas	0.5	< 0 1	< 0 1	< 0 05	< 0.1		52 4	1 43	93 1	4.7	0 8	
GXR-6 Cert	2.40	0 330	4.30	0 485	1.90		95 0	2 20	101	5.30	1.54	
LKSD-3 Meas												11.83
LKSD-3 Cert												11.8
LKSD-3 Meas												11.60
LKSD-3 Cert												11 8
OREAS 13b (4-Acid) Meas												
OREAS 13b (4-Acid) Cert												
R 20477 Orig	5 6	0 8	< 0.1	< 0.05	< 0.1	0.005	2 2	0.25	3 84	5 6	19 1	
R 20477 Dup	5 7	0.8	< 0.1	< 0 05	< 0.1	0.003	1 9	0 26	3 92	6.4	19 5	
R 20491 Orig	2.7	0.4	< 0.1	< 0.05	< 0.1	0.006	2.7	0 63	15 3	43 3	4 4	
R 20491 Dup	2.7	0.4	< 0 1	< 0.05	< 0.1	0.004	3.7	0.61	14 7	45 1	4 2	
R 20505 Orig	3.6	0.5	< 0 1	< 0.05	< 0.1	0 003	0.8	0.19	5 60	4.8	7.8	
R 20505 Dup	3.8	0.5	< 0.1	< 0.05	< 0.1	0 002	3.6	0.19	5 80	3 4	8.3	
R 20520 Orig	1 7	0.3	< 0 1	< 0.05	< 0 1	0.001	1.1	0.25	4.82	7.8	6.4	
R 20520 Dup	1 9	0 3	< 0 1	< 0 05	< 0.1	0.002	2 3	0 26	5 27	6.5	6.7	
R 20543 Orig	2.8	0.4	< 0 1	< 0.05	< 0 1	0.002	2 3	0.79	7.11	11 2	3 0	
R 20543 Dup	3 0	0 4	< 0 1	< 0.05	< 0 1	0.003	1.5	0 88	7.70	9 2	3 2	
R 20557 Orig	1 7	0 2	< 0.1	< 0.05	0 1	0.003	1 1	0.19	3.81	3 1	17.0	
R 20557 Dup	1.6	0 2	< 0 1	< 0.05	< 0 1	0 003	1.8	0.18	3.65	3.0	16 1	
R 20570 Orig	1.4	0 2	< 0.1	< 0.05	< 0.1	0.003	1.5	0.24	5 37	4 3	2.7	
R 20570 Dup	1.7	0.3	< 0.1	< 0 05	< 0.1	0.004	2 2	0.28	6 33	4 3	3.1	
R 20584 Orig	1.8	0.3	< 0.1	< 0.05	< 0.1	0.003	1.3	0.30	3.38	9.8	2 9	
R 20584 Dup	1.8	0.3	< 0 1	< 0.05	< 0 1	0.003	1.8	0.30	3 22	9.7	2 9	
R 20600 Orig	2.8	0.4	< 0.1	< 0.05	0.1	0.001	0 9	0 11	4.53	5 1	11 7	
R 20600 Dup	2.9	0.4	< 0.1	< 0.05	0 1	0.003	1.3	0.12	4.49	4.7	11.4	
R 20614 Orig	3.0	0 4	< 0 1	< 0 05	< 0.1	0.003	1 5	0.22	4 48	5.8	2.7	
R 20614 Dup	3.0	0.4	< 0 1	< 0 05	< 0.1	0.005	3 6	0 22	4 40	5 7	2 7	
R 20627 Orig	0.3	< 0.1	< 0.1	< 0 05	0 2	0.001	< 0 5	0 06	3 34	6.7	0 6	
R 20627 Dup	0.3	< 0 1	< 0 1	< 0 05	0.2	0.001	< 0.5	0.06	3 28	6 1	0.6	
R 20641 Orig	2.1	0 3	< 0 1	< 0 05	< 0 1	0 001	1.4	0 65	6.95	10.9	6.4	
R 20641 Dup	2.2	0 3	< 0.1	< 0.05	< 0 1	0.002	0 7	0 67	6.82	10 0	6.4	
Method Blank Method Blank	< 0 1	< 0.1	< 0.1	< 0 05	< 0.1	< 0 001	< 0.5	< 0.02	< 0 01	< 0 1	< 0 1	

Quality Analysis ... **Actlabs** *Innovative Technologies*

Date Submitted: 29-Sep-10
Invoice No.: A10-6602
Invoice Date: 15-Oct-10
Your Reference: 30222-5 Azimut

Techni-Lab Abitibi Inc.(Actlabs)
184 Rue Principale
Ste-Germaine-Boule Quebec J0Z 1M0
Canada

ATTN: Andre Caouette

CERTIFICATE OF ANALYSIS

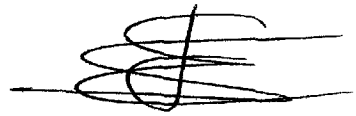
141 Stream Sediment samples were submitted for analysis.

The following analytical packages were requested: Code 4F-LOI LOI
Code UT-1-0.5g Aqua Regia ICP/MS

REPORT **A10-6602**

Notes:
Assays are recommended for values >10,000 for Cu and Au.

CERTIFIED BY :



Emmanuel Eseme , Ph.D.
Quality Control

ISO/IEC 17025
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Accrédité CCN

ACTIVATION LABORATORIES LTD.

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Activation Laboratories Ltd. Report: A10-6602

Analyte Symbol	LOI	Li	Be	B	Na	Mg	Al	K	Bi	Ca	Sc	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Rb
Unit Symbol	%	ppm	ppm	ppm	%	%	%	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit		0.1	0.1	1	0.001	0.01	0.01	0.01	0.02	0.01	0.1	1	0.5	1	0.01	0.1	0.1	0.01	0.1	0.02	0.1	0.1	0.1	0.1
Analysis Method	GRAV	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
R20657	21.50	16.3	0.5	4	0.042	0.59	2.27	0.27	0.05	0.32	1.8	38	76.4	216	2.12	8.2	43.6	109	81.9	4.39	0.3	0.6	2.2	34.5
R20658	32.27	10.6	0.5	8	0.038	0.34	2.18	0.15	0.03	0.43	1.2	27	58.6	123	2.08	6.1	37.2	100	64.0	2.96	0.3	0.4	2.2	19.6
R20659	29.95	8.9	0.5	9	0.027	0.34	2.16	0.13	0.02	0.38	1.6	27	26.0	121	2.53	7.3	17.0	140	72.9	2.78	0.3	0.3	2.5	16.0
R20660	28.62	11.7	0.3	4	0.036	0.37	1.23	0.17	< 0.02	0.35	1.4	14	20.0	109	0.83	4.6	18.4	99.6	71.6	2.55	0.2	0.7	1.5	23.3
R20661	36.48	9.5	0.4	4	0.029	0.34	1.45	0.12	< 0.02	0.36	1.0	17	21.6	108	0.97	5.2	17.3	72.0	55.0	2.77	0.2	< 0.1	1.6	17.2
R20662	10.63	6.5	0.2	2	0.034	0.30	0.75	0.13	< 0.02	0.32	1.0	14	86.9	116	0.85	4.0	8.8	22.0	30.8	2.06	< 0.1	0.2	0.8	12.3
R20663	26.09	28.2	0.6	7	0.049	0.89	2.81	0.55	0.03	0.40	3.7	60	42.3	323	2.92	14.3	34.2	130	129	8.19	0.3	< 0.1	2.1	77.8
R20664	11.37	22.5	0.4	3	0.054	0.96	2.19	0.49	0.03	0.41	4.1	57	82.3	347	3.26	13.8	27.9	97.2	99.9	7.02	0.2	< 0.1	1.3	69.4
R20666	15.41	36.7	0.7	3	0.050	1.30	3.26	0.75	0.04	0.38	5.1	72	62.9	406	3.35	17.7	50.4	202	148	9.98	0.3	< 0.1	1.9	98.4
R20667	21.05	15.7	0.4	6	0.046	0.71	1.84	0.30	0.03	0.44	2.5	41	62.0	239	2.52	10.8	36.3	115	87.8	5.26	0.2	< 0.1	1.7	35.1
R20668	24.35	10.2	0.3	2	0.031	0.34	1.55	0.17	< 0.02	0.31	1.3	16	18.2	104	0.86	4.9	17.3	151	62.8	2.49	0.3	< 0.1	1.6	23.3
R20669	8.80	32.7	0.6	2	0.055	1.38	2.43	0.90	0.03	0.58	5.9	74	48.6	481	3.57	19.6	45.5	179	190	9.90	0.3	< 0.1	1.4	92.7
R20670	28.07	5.6	0.4	7	0.038	0.26	1.48	0.11	0.03	0.36	1.0	20	64.2	98	1.27	4.7	27.8	117	51.5	1.97	0.3	< 0.1	2.3	11.9
R20671	37.32	3.4	0.3	3	0.027	0.14	1.45	0.06	< 0.02	0.44	0.7	12	21.6	52	0.58	3.8	21.1	136	68.8	1.34	0.3	< 0.1	1.8	6.2
R20672	24.71	10.7	0.5	4	0.034	0.43	1.65	0.18	0.03	0.39	2.1	37	46.0	166	2.22	6.6	16.8	93.7	90.8	3.36	0.3	< 0.1	1.9	19.9
R20673	23.10	13.7	0.4	4	0.036	0.55	1.33	0.23	0.02	0.39	2.5	30	53.0	173	1.70	6.8	27.2	142	123	3.72	0.3	< 0.1	1.6	23.9
R20674	12.16	14.9	0.4	2	0.030	0.62	1.39	0.32	0.03	0.39	2.6	36	49.6	227	1.77	10.8	22.5	86.9	88.5	4.17	0.2	< 0.1	1.1	35.5
R20675	34.35	9.4	0.4	3	0.038	0.37	1.94	0.16	< 0.02	0.42	1.5	21	27.2	118	1.29	6.5	23.7	148	115	2.81	0.3	< 0.1	2.3	23.5
R20676	20.08	39.9	0.7	4	0.055	1.46	3.73	0.66	0.03	0.35	6.1	81	46.4	472	4.19	20.6	42.0	157	171	11.8	0.3	< 0.1	1.3	119
R20677	26.17	14.4	0.3	6	0.049	0.62	1.93	0.30	0.02	0.44	2.4	36	52.9	219	2.16	9.9	24.0	84.2	89.1	4.56	0.3	< 0.1	1.7	35.8
R20678	29.21	15.1	0.5	4	0.037	0.54	2.27	0.25	0.03	0.38	2.4	36	44.6	172	1.83	8.3	24.8	173	85.9	4.41	0.4	< 0.1	2.4	33.1
R20679	26.92	9.4	0.5	7	0.038	0.43	2.06	0.17	0.02	0.42	1.8	27	47.8	137	2.03	6.3	21.4	123	80.8	3.31	0.3	< 0.1	1.7	21.3
R20680	20.94	26.7	0.7	3	0.042	0.96	2.89	0.49	0.04	0.41	4.7	58	59.6	300	2.78	18.6	47.7	265	242	7.55	0.3	< 0.1	2.5	65.0
R20681	27.15	9.7	0.3	4	0.026	0.34	1.58	0.15	< 0.02	0.31	1.2	21	18.7	100	1.20	5.0	14.0	63.6	48.6	2.77	0.3	0.1	1.7	20.8
R20682	34.21	14.2	0.4	5	0.035	0.47	2.39	0.23	0.03	0.41	1.4	28	25.0	149	1.87	7.8	22.0	124	73.6	3.71	0.3	< 0.1	2.4	28.4
R20683	20.90	14.7	0.3	4	0.040	0.59	1.57	0.28	< 0.02	0.43	2.4	39	31.5	210	1.85	8.0	21.8	84.9	83.5	4.30	0.2	< 0.1	1.5	30.8
R20684	14.72	18.5	0.4	2	0.048	0.71	1.85	0.36	0.03	0.46	3.4	39	55.8	304	2.16	11.6	25.1	88.9	125	5.29	0.3	< 0.1	1.4	38.8
R20685	19.16	18.4	0.3	2	0.052	0.59	1.79	0.35	< 0.02	0.42	3.0	30	58.6	201	1.67	9.6	24.4	145	119	4.35	0.3	< 0.1	1.0	43.6
R20686	15.23	13.1	0.4	3	0.041	0.63	1.91	0.28	0.04	0.31	2.6	42	68.1	223	2.41	8.0	18.2	95.5	68.6	4.54	0.2	< 0.1	2.1	30.8
R20687	16.26	19.0	0.3	2	0.039	0.71	1.91	0.39	0.03	0.32	3.1	40	53.6	238	2.14	9.9	34.0	113	106	5.09	0.2	< 0.1	1.5	46.1
R20688	23.85	25.0	0.5	5	0.051	0.89	2.75	0.54	0.04	0.37	3.4	51	41.4	333	2.68	13.5	43.2	151	121	7.06	0.3	< 0.1	2.2	66.5
R20689	31.48	17.1	0.4	5	0.049	0.67	1.83	0.40	0.03	0.42	2.8	39	29.7	236	2.33	10.0	28.1	130	109	5.32	0.3	< 0.1	1.8	48.1
R20690	16.98	24.5	0.5	4	0.051	0.93	1.75	0.37	0.03	0.44	4.0	45	70.8	297	2.30	11.1	34.5	90.7	138	6.04	0.3	< 0.1	1.4	42.1
R20691	22.63	26.9	0.6	4	0.048	0.96	2.57	0.55	0.04	0.35	3.9	55	42.3	358	2.53	14.5	37.4	152	166	7.56	0.3	< 0.1	1.7	68.9
R20692	17.00	54.0	0.9	4	0.080	2.08	4.72	1.38	2.59	0.41	7.1	94	52.0	620	6.43	25.5	59.8	192	204	15.1	0.3	2.0	2.6	177
R20693	8.66	22.1	0.4	3	0.042	0.81	1.89	0.43	1.10	0.39	3.9	52	53.3	485	3.48	17.7	24.5	82.6	92.5	6.38	0.2	0.8	0.9	47.2
R20694	30.36	10.2	0.4	5	0.034	0.49	2.15	0.18	0.85	0.41	1.7	30	30.8	169	1.89	8.4	26.3	115	102	3.57	0.2	0.7	2.0	20.0
R20695	26.59	10.1	0.2	4	0.046	0.48	1.40	0.23	0.71	0.36	2.0	24	23.7	146	1.29	6.3	24.0	93.2	76.5	3.19	0.3	0.4	1.8	27.7
R20696	28.60	19.2	0.5	6	0.048	0.74	2.41	0.43	0.50	0.36	3.1	41	28.2	258	2.86	10.2	30.5	150	110	5.78	0.3	0.1	2.0	53.5
R20697	14.00	32.3	0.6	3	0.072	1.38	3.16	0.86	2.40	0.42	5.1	70	60.5	469	4.07	19.9	37.3	118	139	10.4	0.2	1.7	1.8	104
R20698	29.10	17.3	0.5	6	0.044	0.59	2.23	0.35	0.37	0.37	2.3	39	31.3	218	2.19	9.6	27.3	131	101	4.76	0.3	< 0.1	1.9	41.6
R20699	32.25	17.2	0.4	5	0.049	0.60	1.82	0.32	1.00	0.44	2.0	25	33.9	186	1.40	7.7	27.8	194	127	4.07	0.3	1.0	2.2	37.0
R20700	18.75	28.0	0.6	4	0.051	1.07	2.89	0.58	0.33	0.34	4.0	55	45.2	332	2.70	14.4	35.9	165	124	7.89	0.3	< 0.1	1.8	80.8
R20701	19.67	22.0	0.5	4	0.052	0.79	2.12	0.47	0.33	0.41	3.4	43	73.9	256	2.25	11.7	31.6	160	126	6.22	0.2	< 0.1	1.4	57.9
R20702	22.33	6.9	0.2	3	0.048	0.32	1.14	0.15	0.43	0.41	1.2	15	77.1	109	0.93	4.0	13.6	47.1	42.7	2.19	0.2	0.3	1.1	14.4
R20703	24.85	4.8	0.2	2	0.029	0.15	1.03	0.07	0.11	0.31	0.7	5	13.6	54	0.41	2.7	9.0	75.2	77.8	1.08	0.2	1.1	0.9	9.8
R20704	39.09	3.4	0.3	7	0.019	0.12	1.72	0.05	0.10	0.47	0.4	13	15.7	45	0.58	3.1	18.3	182	38.3	1.17	0.3	0.2	1.9	5.5
R20705	22.55	29.5	0.6	5	0.058	1.03	2.91	0.63	0.22	0.37	4.6	61	42.8	323	3.29	14.0	34.5	124	172	8.35	0.3	< 0.1	1.4	86.6
R20706	21.41	35.8	0.7	5	0.069	1.31	3.28	0.82	0.28	0.40	5.0	69	46.8	411	3.79	17.9	38.8	186	151	9.93	0.3	< 0.1	2.2	109
R20707	19.99	31.8	0.6	4	0.037	1.13	2.98	0.63	0.26	0.32	4.0	61	52.5	338	2.94	20.9	69.8	192	135	8.75	0.2	< 0.1	1.7	95.9
R20708	29.73	14.2	0.4	7	0.048	0.59	1.98	0.29	0.12	0.31	2.3	36	41.4	177	3.52	9.1	37.8	136	101	4.54	0.2	< 0.1	1.6	40.8
R20709	11.64	16.2	0.5	4	0.045	0.65	1.73	0.35	0.03	0.32	3.2	48	78.2	250	3.11	9.1	23.4	120	92.1	4.88	0.2	0.3	1.4	40.9

Activation Laboratories Ltd. Report: A10-6602

Analyte Symbol	LOI	Li	Be	B	Na	Mg	Al	K	Bi	Ca	Sc	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Rb
Unit Symbol	%	ppm	ppm	ppm	%	%	%	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit		0.1	0.1	1	0.001	0.01	0.01	0.01	0.02	0.01	0.1	1	0.5	1	0.01	0.1	0.1	0.01	0.1	0.02	0.1	0.1	0.1	0.1
Analysis Method	GRAV	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
R20710	19.45	15.7	0.4	3	0.045	0.78	1.73	0.29	0.02	0.40	3.7	37	145	203	2.86	16.6	50.7	180	158	3.87	0.3	< 0.1	1.8	32.3
R20711	43.64	5.3	0.4	5	0.025	0.20	1.52	0.09	< 0.02	0.44	1.0	19	19.8	76	1.15	4.9	16.1	263	56.7	1.61	0.4	< 0.1	3.2	9.5
R20712	10.98	12.0	0.3	2	0.043	0.53	1.05	0.28	0.02	0.43	2.4	28	58.0	189	1.74	7.9	14.4	48.8	62.6	3.45	0.2	< 0.1	0.5	26.2
R20713	24.36	10.1	0.3	2	0.027	0.33	1.40	0.17	< 0.02	0.34	1.1	12	23.0	101	0.81	4.5	13.1	77.7	84.9	2.23	0.2	< 0.1	1.0	22.5
R20714	31.47	20.0	0.8	8	0.040	0.73	2.43	0.33	0.04	0.44	4.0	53	28.9	310	3.68	15.2	24.4	230	132	5.01	0.5	< 0.1	2.6	44.4
R20715	35.74	18.8	0.6	5	0.047	0.74	2.13	0.33	0.03	0.44	3.6	42	115	221	1.91	13.3	71.4	238	147	4.77	0.5	< 0.1	2.8	44.1
R20716	11.57	13.4	0.3	2	0.039	0.61	1.24	0.29	< 0.02	0.42	2.6	35	60.7	193	1.66	7.1	17.6	75.2	89.8	4.09	0.2	0.6	1.2	31.7
R20717	3.13	7.8	0.1	< 1	0.027	0.39	0.69	0.14	0.03	0.34	1.3	31	46.7	172	2.08	5.8	7.0	11.4	28.2	3.16	< 0.1	0.1	0.4	13.3
R20718	15.45	38.4	0.9	3	0.045	1.44	3.83	0.86	0.06	0.33	6.3	81	61.2	472	4.87	22.5	43.9	250	198	11.1	0.3	< 0.1	1.1	115
R20719	8.70	40.5	0.6	2	0.050	1.56	3.16	0.96	0.03	0.42	5.5	69	80.2	456	3.49	16.9	39.1	119	172	11.1	0.2	< 0.1	0.6	129
R20720	15.77	22.3	0.5	3	0.040	0.93	1.98	0.51	0.03	0.50	4.2	48	49.0	309	2.54	13.3	30.7	121	130	6.27	0.2	< 0.1	1.2	54.1
R20721	19.47	21.0	0.5	3	0.038	0.86	2.43	0.48	0.04	0.32	4.1	55	42.0	298	3.28	12.5	31.8	166	113	6.76	0.3	< 0.1	2.1	57.8
R20722	5.94	15.1	0.3	2	0.038	0.64	1.44	0.28	0.05	0.35	3.4	41	43.2	420	4.69	13.4	18.4	60.5	54.2	4.78	0.2	< 0.1	0.9	36.7
R20723	11.41	23.5	0.4	2	0.042	0.88	1.82	0.42	0.03	0.44	3.8	46	58.9	275	2.29	11.0	33.2	109	117	5.87	0.2	< 0.1	0.9	48.1
R20724	26.13	17.5	0.4	5	0.048	0.88	2.15	0.40	0.05	0.37	2.2	38	28.4	244	1.94	9.8	26.8	112	85.8	5.31	0.2	< 0.1	1.9	48.0
R20725	15.43	39.1	0.7	3	0.075	1.61	3.74	1.01	0.05	0.41	5.9	82	40.7	465	3.96	20.6	42.9	149	160	11.7	0.3	< 0.1	1.7	123
R20726	15.20	18.0	0.4	3	0.053	0.81	2.19	0.34	0.05	0.51	3.2	46	63.9	276	2.76	13.0	25.3	89.3	85.5	6.08	0.2	< 0.1	1.3	41.2
R20727	19.37	26.8	0.5	4	0.053	1.02	2.32	0.47	0.04	0.52	3.6	51	65.9	302	2.50	13.0	37.8	86.0	113	7.12	0.2	< 0.1	1.0	56.9
R20728	20.82	17.4	0.4	5	0.038	0.71	2.16	0.35	0.06	0.38	2.9	48	39.9	298	2.66	10.6	24.2	118	96.6	5.49	0.2	< 0.1	1.8	40.7
R20729	12.84	26.8	0.6	3	0.047	1.00	2.50	0.59	0.06	0.42	4.4	57	52.6	359	2.70	17.1	38.3	157	150	7.60	0.2	< 0.1	1.5	68.6
R20730	28.84	26.1	0.7	5	0.040	0.94	3.01	0.47	0.05	0.41	4.4	61	39.7	313	2.76	13.8	43.5	183	153	7.24	0.4	< 0.1	2.5	60.4
R20731	31.80	8.9	0.4	3	0.020	0.34	1.12	0.12	0.02	0.32	1.4	15	12.9	92	0.82	4.4	16.3	113	74.5	2.25	0.2	< 0.1	1.2	16.6
R20732	17.38	31.4	0.6	3	0.052	1.12	3.13	0.73	0.04	0.38	5.0	66	42.8	428	3.57	21.8	32.3	218	129	9.08	0.3	< 0.1	1.7	93.4
R20733	20.78	17.0	0.4	3	0.048	0.72	2.01	0.39	0.04	0.41	3.0	43	42.7	319	2.08	13.3	21.3	65.7	93.1	5.43	0.3	< 0.1	1.5	44.4
R20734	9.28	58.3	1.1	4	0.057	2.24	5.46	1.55	0.06	0.50	9.6	114	51.1	1630	8.08	39.0	52.6	210	225	18.8	0.3	< 0.1	< 0.1	186
R20735	28.68	11.4	0.4	5	0.036	0.40	1.92	0.21	0.04	0.36	1.9	27	48.9	149	1.93	6.1	18.8	375	112	3.25	0.4	< 0.1	1.8	23.3
R20736	5.02	33.3	0.6	2	0.046	1.25	2.79	0.72	0.04	0.50	6.3	77	43.0	700	4.56	19.2	28.6	79.4	124	9.88	0.2	< 0.1	0.3	76.6
R20737	15.46	16.2	0.5	4	0.039	0.63	2.11	0.34	0.04	0.27	4.4	50	35.6	730	6.82	31.1	27.5	140	125	5.28	0.4	< 0.1	2.5	43.7
R20738	31.69	16.6	0.4	5	0.046	0.62	1.67	0.33	0.04	0.40	2.8	35	27.8	212	2.05	8.2	25.4	120	120	4.83	0.3	< 0.1	2.1	41.8
R20739	13.85	29.9	0.7	2	0.042	1.18	2.64	0.74	0.05	0.45	5.6	68	37.8	433	3.80	17.3	33.6	212	198	8.56	0.3	< 0.1	1.7	82.4
R20740	33.10	6.6	0.3	4	0.029	0.26	1.40	0.09	< 0.02	0.39	0.8	13	21.8	82	0.76	4.3	17.1	84.7	65.6	2.11	0.2	< 0.1	1.2	12.4
R20741	20.72	18.9	0.5	6	0.038	0.77	2.18	0.40	0.03	0.40	3.5	52	30.1	269	3.26	11.5	27.8	116	121	6.08	0.2	< 0.1	1.4	47.2
R20742	6.71	49.8	0.9	3	0.054	1.99	4.02	1.39	0.05	0.56	8.6	105	64.5	613	4.72	25.5	49.7	140	209	14.9	0.2	< 0.1	0.7	150
R20743	12.37	14.8	0.4	4	0.044	0.77	1.58	0.32	0.03	0.44	3.3	43	58.7	251	2.82	12.7	24.9	87.1	113	5.08	0.2	< 0.1	1.2	35.8
R20744	4.17	24.0	0.4	2	0.039	1.02	2.04	0.58	0.03	0.53	5.0	63	35.7	593	3.71	18.8	25.5	74.7	99.2	7.46	0.2	< 0.1	0.4	63.0
R20745	21.55	13.3	0.3	2	0.040	0.59	1.26	0.25	< 0.02	0.44	2.2	26	35.2	195	1.42	7.6	18.1	40.8	65.9	4.01	0.1	< 0.1	0.6	28.4
R20746	16.99	15.8	0.3	2	0.049	0.73	1.57	0.26	0.03	0.46	2.6	37	66.9	227	1.81	9.8	31.1	82.7	81.9	4.91	0.2	< 0.1	1.2	33.9
R20747	2.69	7.2	0.1	< 1	0.025	0.35	0.64	0.13	0.03	0.31	1.2	23	47.3	154	1.58	5.0	6.4	10.1	25.8	2.76	< 0.1	< 0.1	< 0.1	12.1
R20748	15.54	23.9	0.5	2	0.049	1.00	2.55	0.51	0.04	0.33	4.3	54	59.7	724	8.67	29.3	37.5	173	107	7.08	0.3	< 0.1	1.8	69.4
R20749	19.11	21.2	0.3	3	0.043	0.86	1.99	0.46	0.02	0.28	2.8	34	37.1	235	2.46	10.4	35.8	104	104	5.85	0.2	< 0.1	0.7	62.0
R20750	16.19	34.9	0.8	3	0.048	1.34	3.66	0.78	0.05	0.31	6.0	76	46.8	504	4.77	23.3	42.9	189	164	10.6	0.3	< 0.1	1.1	104
R20751	26.97	12.1	0.5	4	0.038	0.46	1.65	0.19	< 0.02	0.40	2.0	20	28.7	136	1.15	6.9	22.4	153	89.8	3.08	0.3	< 0.1	1.8	23.5
R20752	25.72	10.6	0.3	7	0.034	0.48	1.51	0.20	0.04	0.39	1.7	31	33.6	158	1.52	6.5	19.3	68.5	71.4	3.34	0.2	< 0.1	1.2	22.3
R20753	21.47	22.8	0.5	4	0.041	0.85	2.55	0.51	0.03	0.36	3.7	53	37.6	283	3.20	11.7	30.6	125	139	7.00	0.3	0.3	1.6	62.8
R20754	12.47	35.9	0.8	3	0.036	1.25	3.44	0.80	0.04	0.27	6.0	77	58.2	853	7.25	28.1	39.5	246	175	10.4	0.3	< 0.1	0.7	104
R20755	4.03	15.5	0.4	2	0.034	0.57	1.41	0.29	< 0.02	0.42	3.0	35	62.5	222	2.34	10.1	21.7	73.7	74.1	4.30	0.2	< 0.1	0.2	30.8
R20756	19.34	18.7	0.6	3	0.033	0.61	1.93	0.33	0.03	0.37	2.9	38	32.0	198	1.95	11.2	30.4	154	137	4.14	0.3	< 0.1	1.6	33.5
R20757	33.71	7.6	0.5	7	0.036	0.29	2.13	0.14	0.03	0.32	1.0	26	27.4	124	1.68	8.7	17.1	166	59.6	2.25	0.4	< 0.1	2.3	15.6
R20758	35.62	19.1	0.5	11	0.039	0.60	2.17	0.31	0.04	0.45	2.1	29	26.2	209	1.85	11.3	28.8	130	112	4.44	0.4	< 0.1	2.3	40.3
R20759	20.88	19.5	0.6	4	0.027	0.59	1.98	0.34	0.03	0.31	3.1	41	37.0	201	2.03	9.2	23.0	137	110	4.52	0.3	< 0.1	2.0	40.2
R20760	22.64	18.2	0.5	3	0.046	0.65	1.93	0.37	0.03	0.37	3.4	37	39.2	222	2.15	10.1	23.1	113	112	4.77	0.3	< 0.1	1.1	47.2
R20761	23.84	10.4	0.3	3	0.029	0.29	1.19	0.15	< 0.02	0.30	1.2	15	16.0	96	0.75	3.8	13.5	101	56.7	2.09	0.3	< 0.1	1.0	19.1

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Analyte Symbol	LOI	Li	Be	B	Na	Mg	Al	K	Bi	Ca	Sc	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Rb
Unit Symbol	%	ppm	ppm	ppm	%	%	%	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit		0.1	0.1	1	0.001	0.01	0.01	0.01	0.02	0.01	0.1	1	0.5	1	0.01	0.1	0.1	0.01	0.1	0.02	0.1	0.1	0.1	0.1
Analysis Method	GRAV	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
R20762	28.73	10.0	0.7	5	0.023	0.33	2.29	0.18	0.04	0.35	2.0	30	22.6	167	2.69	22.6	46.0	217	102	2.69	0.4	< 0.1	2.8	20.0
R20763	28.87	12.3	0.6	4	0.036	0.44	2.06	0.23	0.02	0.29	1.8	29	22.9	139	1.66	8.7	19.8	167	72.9	3.34	0.4	< 0.1	1.9	30.5
R20764	21.77	18.0	0.7	4	0.032	0.64	2.25	0.35	0.04	0.31	2.8	39	36.1	228	3.24	17.1	32.4	199	155	4.65	0.4	< 0.1	1.9	37.3
R20765	25.17	13.8	0.6	4	0.030	0.53	2.57	0.24	0.03	0.31	2.6	42	32.7	199	2.72	8.6	18.9	242	97.6	4.25	0.4	0.3	2.4	27.4
R20766	29.55	10.2	0.5	4	0.029	0.34	2.37	0.16	0.03	0.25	1.2	29	26.6	177	1.44	8.2	15.8	209	64.4	2.82	0.4	< 0.1	2.3	19.3
R20767	33.32	5.9	0.6	8	0.034	0.23	2.08	0.09	< 0.02	0.39	0.8	21	22.5	94	1.40	5.0	18.3	150	64.0	1.92	0.4	< 0.1	2.3	11.1
R20768	15.62	46.1	0.8	4	0.058	1.68	4.45	0.97	0.05	0.42	7.1	93	64.5	533	6.59	29.5	62.8	244	186	12.6	0.4	< 0.1	2.2	129
R20769	21.69	24.2	0.5	4	0.038	0.78	2.18	0.46	0.03	0.37	3.7	51	34.0	271	2.58	11.9	35.1	175	139	6.06	0.3	< 0.1	1.7	51.6
R20770	21.97	21.1	0.4	4	0.041	0.74	2.21	0.44	0.04	0.39	3.0	41	35.6	283	2.46	13.5	28.6	124	129	5.75	0.3	< 0.1	1.4	49.3
R20771	11.04	58.9	1.0	3	0.053	2.07	5.05	1.52	0.06	0.41	9.1	116	56.7	1050	7.29	34.8	52.3	271	240	18.3	0.3	< 0.1	0.8	176
R20772	22.76	27.5	0.6	9	0.058	1.10	2.94	0.71	0.04	0.42	4.4	64	42.2	403	4.16	16.4	34.1	163	159	8.79	0.3	< 0.1	1.7	84.2
R20773	13.32	42.2	0.8	3	0.061	1.57	3.75	1.06	0.04	0.36	6.5	85	40.1	608	4.36	20.3	35.3	179	157	12.7	0.3	< 0.1	1.4	133
R20774	22.57	35.5	0.7	8	0.059	1.41	3.58	0.85	0.05	0.39	6.5	84	37.9	466	9.99	22.9	38.6	186	170	10.9	0.4	< 0.1	2.0	113
R20775	27.30	31.8	0.6	8	0.050	1.09	2.53	0.66	0.03	0.48	4.1	54	30.4	358	2.78	14.0	34.7	171	150	8.35	0.4	< 0.1	1.7	82.4
R20776	31.06	18.6	0.4	6	0.043	0.57	1.63	0.32	0.03	0.47	2.4	33	30.4	223	1.64	8.9	24.4	139	104	4.66	0.3	< 0.1	1.8	38.7
R20777	16.45	36.1	1.0	3	0.054	1.23	3.67	0.75	0.03	0.42	6.1	76	39.0	561	5.28	22.8	30.6	237	162	11.2	0.3	< 0.1	1.6	88.1
R20778	28.55	8.0	0.5	6	0.031	0.38	1.85	0.16	0.05	0.40	1.9	35	29.6	154	2.64	7.7	18.1	94.8	102	3.12	0.3	0.4	1.5	15.0
R20779	1.79	6.7	< 0.1	< 1	0.024	0.32	0.59	0.14	0.02	0.31	0.9	23	49.3	144	1.45	4.7	7.9	9.41	24.4	2.61	< 0.1	< 0.1	0.2	11.0
R20780	33.46	3.4	0.8	3	0.028	0.15	2.19	0.07	0.08	0.33	1.6	23	23.6	71	3.32	9.1	15.5	242	108	1.93	0.5	0.7	3.2	5.9
R20781	21.50	7.1	0.5	5	0.036	0.33	1.89	0.14	0.08	0.32	1.9	31	35.4	189	5.16	9.5	12.8	97.0	115	3.21	0.3	0.4	1.8	14.0
R20782	34.81	6.0	0.6	5	0.018	0.23	1.83	0.08	0.11	0.33	0.8	23	24.0	89	2.03	5.0	18.3	74.8	76.7	2.14	0.3	< 0.1	1.9	8.6
R20783	22.33	11.2	0.6	7	0.023	0.47	1.87	0.18	0.05	0.30	2.0	34	31.1	192	2.85	7.1	14.5	78.4	122	3.86	0.4	0.1	1.7	18.1
R20784	25.05	12.2	0.5	5	0.036	0.58	1.32	0.15	0.08	0.43	2.2	31	35.8	176	1.67	7.1	22.7	71.2	127	3.59	0.3	< 0.1	1.6	15.1
R20785	23.29	9.7	0.5	7	0.030	0.37	1.53	0.15	0.06	0.37	1.8	34	28.7	187	1.76	7.1	13.5	61.5	86.3	3.12	0.3	0.8	1.7	16.2
R20786	16.00	40.1	1.0	4	0.054	1.43	3.55	0.97	0.09	0.45	6.7	67	41.2	496	3.40	17.4	31.9	136	187	12.2	0.5	0.2	1.6	105
R20787	31.09	7.2	0.6	6	0.023	0.26	1.88	0.12	0.03	0.35	1.1	23	12.6	101	1.13	3.9	10.7	83.9	47.0	2.50	0.4	< 0.1	2.1	15.9
R20788	28.11	12.3	1.4	5	0.032	0.54	2.43	0.22	0.08	0.43	2.4	36	27.7	190	1.78	7.8	16.5	176	88.3	4.42	0.6	< 0.1	2.7	26.8
R20789	28.19	26.4	0.9	6	0.051	0.98	2.92	0.63	0.03	0.46	4.5	51	24.5	375	2.73	13.2	24.5	134	139	8.34	0.5	< 0.1	2.2	75.8
R20790	27.41	11.5	0.6	6	0.043	0.49	1.98	0.21	0.03	0.40	2.7	31	42.4	183	1.63	6.2	18.9	110	65.6	4.21	0.7	0.4	2.6	25.5
R20791	27.07	10.7	0.5	12	0.030	0.53	1.64	0.18	0.04	0.39	2.5	34	36.8	204	2.88	8.8	23.9	83.0	129	4.17	0.4	< 0.1	1.8	20.1
R20792	23.15	12.4	0.8	4	0.025	0.53	2.24	0.23	0.05	0.26	3.3	40	23.0	253	2.99	10.1	15.8	121	90.7	4.41	0.6	< 0.1	2.5	29.5
R20793	34.40	10.2	0.6	14	0.030	0.41	1.76	0.19	0.04	0.34	2.0	31	23.2	170	3.08	6.3	17.6	100	107	3.75	0.5	1.1	2.1	25.1
R20794	33.11	12.4	0.9	8	0.030	0.49	1.96	0.21	0.05	0.40	2.5	36	32.1	261	2.26	9.3	19.3	134	137	4.01	0.7	0.9	3.4	23.2
R20795	13.29	16.8	0.6	3	0.031	0.63	1.92	0.32	0.05	0.31	3.9	50	37.2	291	3.61	8.2	17.1	125	106	5.99	0.5	< 0.1	2.4	34.5
R20796	21.64	16.2	0.5	3	0.034	0.60	1.63	0.27	0.05	0.37	2.9	36	35.0	211	1.76	6.8	19.1	83.2	109	4.73	0.4	< 0.1	2.3	26.7
R20797	33.59	5.3	0.6	3	0.026	0.17	1.90	0.07	0.02	0.53	1.3	16	17.0	78	0.91	4.1	20.3	103	61.1	1.74	0.5	0.5	3.0	9.0
R20798	46.22	9.6	0.8	6	0.032	0.39	2.40	0.16	0.05	0.38	1.8	36	28.2	230	2.19	6.7	15.9	216	81.0	3.71	0.5	< 0.1	2.9	18.7

Analyte Symbol	Sr	Y	Zr	Nb	Mo	Ag	Cd	In	Sn	Sb	Te	Cs	Ba	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er
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	0.5	0.01	0.1	0.1	0.01	0.002	0.01	0.02	0.05	0.02	0.02	0.02	0.5	0.5	0.01	0.1	0.02	0.1	0.1	0.1	0.1	0.001	0.1	0.1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
R20657	21.6	38.1	1.1	1.5	6.28	0.232	0.26	< 0.02	0.71	0.05	< 0.02	1.21	99.7	169	337	48.1	170	22.1	3.4	14.6	1.4	6.58	1.2	3.1
R20658	20.6	39.6	0.7	1.2	7.73	0.345	0.41	< 0.02	0.25	0.04	< 0.02	0.72	61.5	191	317	53.4	189	24.9	3.7	16.2	1.6	7.46	1.3	3.4
R20659	20.3	34.9	0.9	1.3	4.94	0.424	0.47	< 0.02	0.19	0.03	< 0.02	0.59	87.3	183	326	52.7	187	24.2	3.6	15.3	1.5	6.95	1.2	3.2
R20660	25.9	21.0	1.2	1.0	1.42	0.198	0.38	< 0.02	0.17	0.03	< 0.02	0.78	96.5	160	222	44.0	156	19.8	2.8	11.7	1.0	4.52	0.8	1.9
R20661	24.4	22.6	1.1	1.2	1.61	0.187	0.26	< 0.02	0.18	0.04	< 0.02	0.62	88.6	143	236	39.7	141	18.0	2.7	11.2	1.0	4.47	0.8	2.0
R20662	24.4	8.16	0.3	1.0	5.24	0.061	0.13	< 0.02	0.22	0.03	< 0.02	0.35	48.0	56.4	101	13.9	47.4	6.0	0.9	3.9	0.4	1.62	0.3	0.7
R20663	33.1	32.1	2.5	2.7	3.69	0.385	0.39	< 0.02	0.67	0.03	< 0.02	1.98	280	189	312	52.9	184	23.8	3.4	14.3	1.3	6.18	1.1	2.9
R20664	29.7	20.2	1.6	2.5	7.17	0.306	0.19	< 0.02	0.59	0.04	< 0.02	1.54	145	133	187	32.8	111	14.2	2.1	9.1	0.9	4.02	0.7	1.8
R20666	31.7	25.1	2.9	2.7	6.68	0.315	0.29	< 0.02	0.63	0.03	< 0.02	2.66	221	161	315	46.2	163	21.9	3.0	13.6	1.2	5.55	0.9	2.4
R20667	28.3	17.0	1.1	2.3	6.82	0.299	0.31	< 0.02	0.42	0.04	< 0.02	1.24	113	122	186	31.1	108	13.9	1.9	8.6	0.8	3.46	0.6	1.5
R20668	24.2	23.6	0.6	0.9	2.13	0.281	0.45	< 0.02	0.20	0.02	< 0.02	0.73	126	162	273	49.1	179	23.6	3.3	14.1	1.2	5.55	0.9	2.3
R20669	45.0	17.9	5.1	3.3	8.98	0.279	0.44	< 0.02	0.75	0.02	< 0.02	2.48	233	117	191	30.4	106	14.0	2.0	8.6	0.8	3.57	0.6	1.6
R20670	22.3	29.3	0.5	1.0	4.26	0.391	0.60	< 0.02	0.18	0.05	< 0.02	0.52	75.5	141	257	41.7	152	20.2	3.1	13.0	1.2	5.59	1.0	2.6
R20671	30.7	28.9	0.5	0.8	2.03	0.381	0.50	< 0.02	0.08	0.03	< 0.02	0.28	100	178	349	53.8	199	26.5	3.9	16.1	1.4	6.50	1.1	2.8
R20672	32.0	38.0	1.1	1.7	4.08	0.332	0.37	< 0.02	0.33	0.03	< 0.02	0.72	82.8	190	354	60.3	217	28.3	4.2	17.5	1.6	7.50	1.3	3.5
R20673	29.3	28.6	1.6	2.2	5.01	0.301	0.69	< 0.02	0.37	0.04	< 0.02	0.93	101	162	243	44.0	157	20.3	3.1	12.8	1.2	5.40	1.0	2.5
R20674	23.2	18.4	1.0	2.0	5.71	0.155	0.28	< 0.02	0.45	0.02	< 0.02	1.08	107	116	189	30.7	107	13.9	2.1	8.9	0.9	3.91	0.7	1.8
R20675	30.9	31.8	1.4	1.2	3.26	0.372	0.52	< 0.02	0.16	0.03	< 0.02	0.77	97.1	181	351	57.9	211	27.4	3.9	16.6	1.4	6.43	1.1	2.8
R20676	35.0	32.7	4.0	3.3	4.23	0.407	0.34	< 0.02	0.71	< 0.02	< 0.02	2.80	299	183	299	50.5	176	23.5	3.5	15.0	1.4	6.78	1.2	3.2
R20677	27.3	24.3	1.6	1.9	4.44	0.256	0.40	< 0.02	0.34	0.04	< 0.02	1.07	126	173	244	45.4	156	19.9	2.9	12.5	1.1	5.06	0.9	2.2
R20678	23.9	39.1	1.3	2.0	5.55	0.377	0.54	< 0.02	0.32	0.03	< 0.02	1.13	127	231	400	73.9	262	33.1	4.6	19.8	1.7	7.68	1.3	3.3
R20679	24.9	31.5	1.1	1.6	5.17	0.317	0.41	< 0.02	0.26	0.07	< 0.02	0.70	107	176	308	52.2	189	24.7	3.6	15.5	1.4	6.48	1.1	2.9
R20680	32.0	31.7	3.2	2.4	17.7	0.535	1.15	< 0.02	0.53	0.04	< 0.02	1.94	217	180	284	56.0	201	26.7	3.8	16.2	1.5	6.68	1.2	3.2
R20681	18.5	47.5	0.5	0.9	4.63	0.291	0.27	< 0.02	0.13	0.02	< 0.02	0.73	102	155	240	48.7	181	26.9	3.9	18.2	1.8	8.29	1.5	3.9
R20682	22.5	32.6	1.1	1.7	5.33	0.385	0.53	< 0.02	0.23	0.03	< 0.02	1.22	94.6	194	313	52.7	182	22.0	3.2	14.6	1.4	6.17	1.1	2.8
R20683	27.0	21.1	1.3	1.8	3.42	0.206	0.44	< 0.02	0.31	0.02	< 0.02	1.03	107	144	192	36.0	122	14.6	2.1	8.9	0.8	3.71	0.7	1.7
R20684	31.0	23.2	1.0	2.0	4.98	0.161	0.67	< 0.02	0.45	0.03	< 0.02	1.25	123	170	236	43.6	148	18.0	2.6	11.1	1.0	4.44	0.8	2.0
R20685	28.7	21.3	2.1	1.8	4.90	0.243	0.43	< 0.02	0.32	0.03	< 0.02	1.36	147	162	246	48.5	172	21.3	3.0	12.2	1.1	4.86	0.8	2.0
R20686	22.6	23.4	0.9	1.7	7.01	0.185	0.17	< 0.02	2.13	0.05	< 0.02	1.09	79.7	119	228	35.9	127	16.4	2.5	10.2	0.9	4.44	0.8	2.1
R20687	23.7	21.6	1.7	2.2	7.67	0.178	0.54	< 0.02	0.41	0.03	< 0.02	1.55	133	132	198	38.6	135	17.2	2.5	10.5	1.0	4.46	0.8	2.1
R20688	29.0	34.1	1.6	2.1	4.48	0.231	0.41	< 0.02	0.45	0.03	< 0.02	1.88	166	183	322	51.2	179	23.1	3.3	14.6	1.3	6.14	1.1	2.9
R20689	30.3	25.5	1.7	1.9	3.61	0.378	0.42	< 0.02	0.35	0.04	< 0.02	1.26	151	195	238	47.0	158	19.0	2.7	11.5	1.0	4.67	0.8	2.1
R20690	34.2	23.3	1.9	2.5	4.56	0.159	0.45	< 0.02	0.51	0.04	< 0.02	1.12	127	159	209	40.7	139	17.2	2.5	10.4	1.0	4.38	0.8	2.1
R20691	31.7	29.5	2.2	2.2	6.11	0.253	0.68	< 0.02	0.50	0.04	< 0.02	1.83	192	180	276	51.4	183	23.0	3.3	13.6	1.2	5.49	1.0	2.6
R20692	41.9	32.5	3.9	3.6	2.54	1.70	0.30	0.03	1.52	1.63	2.61	3.76	432	192	321	50.6	174	22.6	3.3	14.4	1.3	6.21	1.1	2.8
R20693	34.6	14.8	1.3	2.1	6.62	0.657	0.12	0.02	0.97	0.90	0.98	1.41	134	80.7	179	21.4	73.3	9.9	1.5	6.6	0.6	3.01	0.5	1.4
R20694	25.9	25.6	0.9	1.6	4.29	0.709	0.54	< 0.02	0.52	0.71	0.92	0.78	82.1	179	275	46.4	162	20.6	3.0	12.7	1.1	5.10	0.9	2.2
R20695	25.0	24.7	0.9	1.0	3.63	0.648	0.36	< 0.02	0.41	0.58	0.72	0.85	107	163	203	45.0	157	19.7	2.8	11.5	1.0	4.43	0.8	2.1
R20696	25.9	28.5	1.4	1.7	8.08	0.652	0.49	< 0.02	0.57	0.37	0.46	1.51	161	188	220	48.7	164	20.5	2.9	12.3	1.1	5.26	0.9	2.5
R20697	35.6	19.2	2.6	2.7	4.58	1.44	0.24	0.03	1.25	1.47	2.64	2.23	247	144	233	34.1	113	14.0	2.0	8.9	0.8	3.68	0.6	1.7
R20698	25.9	29.8	1.2	1.6	4.10	0.841	0.59	< 0.02	0.41	0.28	0.53	1.32	129	182	287	48.5	169	21.2	3.1	13.1	1.2	5.59	1.0	2.6
R20699	29.6	26.2	1.3	1.5	2.28	0.833	0.95	< 0.02	0.52	0.80	1.09	1.17	138	165	255	47.3	168	21.8	3.2	13.0	1.2	5.14	0.9	2.3
R20700	29.9	31.5	1.6	2.1	4.49	0.453	0.19	< 0.02	0.57	0.23	0.29	2.14	198	172	339	48.8	171	23.2	3.4	14.6	1.3	6.26	1.1	2.8
R20701	33.1	20.8	2.8	2.5	6.25	0.394	0.38	< 0.02	0.59	0.30	0.24	1.40	228	145	224	40.7	145	18.6	2.6	10.9	1.0	4.36	0.8	1.9
R20702	25.9	14.9	0.5	1.2	6.11	0.351	0.19	< 0.02	0.42	0.40	0.31	0.42	71.8	98.0	175	25.7	89.3	11.3	1.7	7.0	0.6	2.93	0.5	1.2
R20703	18.7	18.5	0.2	0.4	1.90	0.191	0.46	< 0.02	0.12	0.13	0.06	0.37	67.4	139	213	38.6	136	17.6	2.5	10.6	0.9	3.97	0.7	1.7
R20704	23.7	25.8	0.1	0.5	2.97	0.420	0.43	< 0.02	0.08	0.09	0.04	0.26	76.4	188	347	58.1	208	25.6	3.5	15.6	1.3	5.37	0.9	2.2
R20705	32.9	34.3	3.7	2.9	3.78	0.441	0.46	< 0.02	0.62	0.17	0.13	2.00	263	192	300	52.2	180	23.5	3.4	14.6	1.4	6.57	1.2	3.2
R20706	35.7	33.2	3.2	3.0	5.61	0.635	0.38	0.02	0.75	0.19	0.22	2.54	261	184	306	47.9	166	21.7	3.1	13.7	1.3	6.17	1.1	2.9
R20707	24.9	22.6	2.8	2.6	10.1	0.527	0.47	0.02	0.65	0.18	0.21	4.18	229	123	249	33.5	116	16.0	2.2	10.4	1.0	4.72	0.8	2.1
R20708	20.0	24.7	1.5	1.7	17.5	0.577	0.56	< 0.02	1.54	0.22	< 0.02	1.65	102	144	230	37.6	129	16.7	2.4	10.6	1.0	4.70	0.8	2.2
R20709	27.1	23.8	1.1	2.0	10.4	0.135	0.15	< 0.02	0.58	0.04	< 0.02	1.36	106	122	221	34.7	121	16.2	2.5	10.2	1.0	4.49	0.8	2.1

Analyte Symbol	Sr	Y	Zr	Nb	Mo	Ag	Cd	In	Sn	Sb	Te	Cs	Ba	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er
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	0.5	0.01	0.1	0.1	0.01	0.002	0.01	0.02	0.05	0.02	0.02	0.02	0.5	0.5	0.01	0.1	0.02	0.1	0.1	0.1	0.1	0.001	0.1	0.1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
R20710	29.0	34.1	2.1	2.2	7.18	0.397	0.60	< 0.02	0.50	0.04	< 0.02	1.24	122	163	312	50.5	190	27.3	4.2	17.5	1.6	7.50	1.3	3.4
R20711	29.8	59.2	0.6	0.9	2.27	0.557	0.52	< 0.02	0.23	0.04	< 0.02	0.44	86.2	232	439	72.1	265	37.2	6.1	24.8	2.3	10.8	1.9	4.9
R20712	32.6	18.2	1.2	1.9	4.24	0.125	0.17	< 0.02	0.44	0.03	< 0.02	0.77	89.0	123	196	33.6	118	15.4	2.2	9.1	0.8	3.88	0.7	1.7
R20713	28.1	20.7	0.4	0.9	1.62	0.181	0.39	< 0.02	0.19	0.03	< 0.02	0.61	109	127	224	36.8	135	18.4	2.7	11.0	1.0	4.46	0.8	1.9
R20714	29.9	58.7	1.4	1.7	3.57	0.630	0.71	< 0.02	0.52	0.04	< 0.02	1.95	124	231	462	73.6	268	38.7	6.0	25.3	2.5	11.9	2.1	5.5
R20715	32.2	61.5	2.1	2.2	4.41	0.654	0.85	< 0.02	0.64	0.04	< 0.02	1.81	138	259	517	90.3	336	48.7	7.5	29.5	2.8	12.7	2.2	5.8
R20716	24.6	16.3	1.4	2.2	6.99	0.131	0.27	< 0.02	0.55	0.03	< 0.02	0.92	110	104	166	27.8	98.5	12.6	1.8	7.3	0.7	3.14	0.5	1.4
R20717	26.2	4.57	1.3	3.5	3.37	< 0.002	0.06	< 0.02	0.55	< 0.02	< 0.02	0.58	31.6	25.1	53.6	5.6	19.2	2.9	0.5	2.1	0.2	1.15	0.2	0.5
R20718	32.5	31.0	2.8	3.0	15.0	0.223	0.11	0.03	0.90	0.02	< 0.02	3.26	251	179	360	54.5	197	27.3	3.8	16.4	1.5	6.89	1.2	3.1
R20719	36.4	16.0	5.0	3.6	4.48	0.184	0.22	0.02	0.79	0.02	< 0.02	2.92	323	107	173	27.4	94.4	12.7	1.8	7.7	0.7	3.21	0.5	1.5
R20720	35.6	20.5	2.6	2.6	4.51	0.242	0.64	< 0.02	0.56	0.03	< 0.02	1.46	167	135	228	37.9	135	17.6	2.5	10.7	0.9	4.27	0.8	1.9
R20721	28.8	31.2	2.1	2.5	10.1	0.239	0.32	< 0.02	0.58	0.04	< 0.02	1.57	148	171	308	52.6	188	25.1	3.6	14.9	1.3	6.07	1.1	2.8
R20722	28.1	13.7	1.6	1.7	3.84	0.077	0.06	< 0.02	0.55	0.04	< 0.02	1.09	76.6	71.9	134	18.2	62.6	8.7	1.4	5.8	0.6	2.78	0.5	1.3
R20723	35.5	16.9	2.5	2.5	3.29	0.090	0.35	< 0.02	0.57	0.03	< 0.02	1.27	139	95.8	174	27.9	101	13.7	2.1	7.9	0.7	3.45	0.6	1.6
R20724	28.6	23.3	1.4	1.6	2.26	0.390	0.48	< 0.02	0.45	0.05	< 0.02	1.29	135	162	216	39.0	130	16.6	2.4	9.9	0.9	4.36	0.8	2.0
R20725	39.8	24.1	1.9	2.8	1.67	0.545	0.27	0.02	0.77	0.03	< 0.02	2.78	280	178	305	44.0	143	18.0	2.5	10.9	1.0	4.71	0.8	2.2
R20726	36.7	16.7	1.5	2.5	5.33	0.155	0.25	< 0.02	0.66	0.05	< 0.02	1.20	121	95.7	241	25.2	88.2	11.8	1.8	8.0	0.8	3.48	0.6	1.5
R20727	33.8	17.0	2.2	2.7	4.00	0.083	0.31	< 0.02	0.63	0.05	< 0.02	1.94	169	114	191	30.0	103	13.3	1.9	7.8	0.7	3.37	0.6	1.5
R20728	27.2	25.2	1.7	2.1	4.42	0.214	0.42	< 0.02	0.50	0.05	< 0.02	1.29	120	149	282	38.2	131	17.0	2.5	10.9	1.0	4.64	0.8	2.1
R20729	32.0	19.7	2.3	2.4	6.18	0.353	0.60	< 0.02	0.61	0.03	< 0.02	1.94	191	134	226	35.7	122	15.8	2.2	9.5	0.9	4.17	0.7	1.9
R20730	29.4	33.2	4.5	2.8	7.10	0.364	0.67	< 0.02	0.48	0.04	< 0.02	1.94	148	201	313	59.3	206	26.8	3.8	15.6	1.4	6.29	1.1	2.8
R20731	22.0	15.9	0.9	0.8	1.23	0.153	0.53	< 0.02	0.18	0.04	< 0.02	0.80	67.5	125	193	35.5	126	16.3	2.6	9.3	0.8	3.67	0.6	1.5
R20732	27.9	28.1	2.0	2.7	5.37	0.556	0.22	0.02	0.60	0.03	< 0.02	2.11	218	167	383	44.4	150	19.4	2.8	12.6	1.2	5.71	1.0	2.6
R20733	25.8	24.5	1.5	2.2	3.10	0.158	0.35	< 0.02	0.50	0.03	< 0.02	1.20	131	171	277	42.4	143	17.7	2.6	11.0	1.0	4.52	0.8	2.0
R20734	54.8	20.3	7.4	1.0	3.14	0.245	0.28	0.03	1.14	0.03	< 0.02	3.51	445	205	279	46.2	147	16.6	2.2	10.0	0.9	3.82	0.7	1.7
R20735	21.5	29.3	1.4	2.0	15.0	0.387	0.89	< 0.02	0.43	0.04	< 0.02	0.75	75.2	218	362	64.0	223	27.7	3.5	16.1	1.4	6.22	1.0	2.6
R20736	43.8	13.7	2.7	1.7	3.86	< 0.002	0.07	0.02	0.80	0.03	< 0.02	1.69	188	85.7	166	22.3	77.9	10.6	1.5	6.6	0.6	2.83	0.5	1.3
R20737	24.9	32.3	1.5	1.8	6.15	0.182	0.73	< 0.02	0.49	0.04	< 0.02	1.16	135	205	392	54.1	182	22.1	3.1	13.9	1.2	5.91	1.1	2.8
R20738	32.4	31.9	2.6	1.9	2.60	0.295	0.52	< 0.02	0.45	0.05	< 0.02	1.16	114	212	286	60.3	205	24.9	3.5	14.4	1.3	5.99	1.0	2.7
R20739	34.2	22.1	3.7	2.9	11.0	0.215	0.50	< 0.02	0.67	0.04	< 0.02	2.10	213	158	246	43.7	152	18.9	2.6	11.0	1.0	4.50	0.8	2.1
R20740	23.4	21.1	0.6	0.9	1.73	0.218	0.30	< 0.02	0.42	0.04	< 0.02	0.52	76.8	129	235	37.1	136	18.2	2.8	10.8	1.0	4.45	0.8	1.9
R20741	29.4	22.3	1.9	2.3	4.60	0.217	0.38	< 0.02	0.47	0.02	< 0.02	1.34	146	151	223	38.7	131	16.8	2.4	10.0	0.9	4.39	0.8	2.0
R20742	52.5	15.4	6.7	1.7	3.64	0.147	0.37	0.03	1.02	0.03	< 0.02	3.03	381	133	216	29.6	97.1	11.7	1.7	7.1	0.6	3.04	0.5	1.4
R20743	34.1	16.2	1.7	2.8	6.86	0.150	0.30	< 0.02	0.46	0.03	< 0.02	0.95	106	108	168	27.7	95.0	11.9	1.8	7.2	0.7	3.16	0.6	1.4
R20744	39.7	12.5	2.5	2.0	2.46	0.057	0.11	< 0.02	0.68	0.22	< 0.02	1.45	153	83.9	170	20.4	68.5	8.9	1.3	5.7	0.6	2.64	0.5	1.2
R20745	29.3	12.3	1.6	2.1	1.92	0.020	0.20	< 0.02	0.42	0.03	< 0.02	0.86	95.5	84.4	133	20.8	70.7	9.2	1.4	5.4	0.5	2.34	0.4	1.0
R20746	29.1	14.8	1.1	2.1	2.99	0.134	0.28	< 0.02	0.47	0.03	< 0.02	1.14	110	113	185	29.3	101	12.9	1.9	7.5	0.7	3.16	0.5	1.4
R20747	25.3	3.98	1.0	2.9	3.62	< 0.002	0.05	< 0.02	0.51	< 0.02	< 0.02	0.52	30.1	21.8	47.1	4.9	16.8	2.6	0.4	1.8	0.2	0.981	0.2	0.4
R20748	26.0	22.6	1.9	2.0	5.75	0.461	0.23	< 0.02	0.63	0.03	< 0.02	1.93	151	153	297	38.3	134	17.5	2.5	10.7	1.0	4.59	0.8	2.0
R20749	20.8	18.3	1.8	1.8	2.06	0.204	0.25	< 0.02	0.37	0.03	< 0.02	1.70	155	133	176	38.0	134	17.5	2.5	9.6	0.9	3.87	0.7	1.6
R20750	26.6	29.9	2.1	2.2	3.65	0.276	0.09	0.02	0.90	0.03	< 0.02	2.69	198	155	407	51.1	183	25.5	3.6	14.7	1.4	6.62	1.2	3.0
R20751	24.8	27.1	1.0	1.2	2.82	0.284	0.58	< 0.02	0.41	0.03	< 0.02	0.84	106	173	301	54.7	199	27.4	3.9	15.3	1.4	6.26	1.0	2.6
R20752	22.4	21.8	1.0	1.6	4.07	0.208	0.33	< 0.02	0.36	0.06	< 0.02	0.79	87.2	138	217	37.8	133	17.5	2.5	10.2	0.9	4.39	0.8	1.9
R20753	26.9	27.6	2.0	2.6	6.72	0.296	0.46	< 0.02	0.51	0.03	< 0.02	1.84	186	168	242	42.6	145	19.1	2.7	11.3	1.1	5.01	0.9	2.3
R20754	27.1	25.4	2.2	2.0	20.0	0.227	0.11	< 0.02	0.74	0.02	< 0.02	2.95	233	148	331	44.2	155	22.0	3.0	12.9	1.2	5.78	1.0	2.6
R20755	24.3	11.6	1.2	2.2	5.76	0.025	0.03	< 0.02	0.50	0.02	< 0.02	0.89	78.7	49.5	110	19.7	77.4	11.1	1.6	6.0	0.6	2.64	0.4	1.1
R20756	26.2	27.1	1.3	1.7	4.19	0.318	0.76	< 0.02	0.40	0.03	< 0.02	1.17	120	207	312	55.4	192	24.2	3.4	14.1	1.3	5.90	1.0	2.6
R20757	19.0	45.1	0.5	0.8	5.10	0.604	0.80	< 0.02	0.25	0.03	< 0.02	0.68	77.1	208	377	59.6	212	28.8	4.5	17.3	1.7	8.38	1.5	3.9
R20758	29.1	39.0	1.3	1.6	1.71	0.663	0.46	< 0.02	0.36	0.04	< 0.02	1.64	120	266	484	74.4	260	33.0	4.7	19.5	1.8	8.18	1.4	3.4
R20759	23.4	39.9	1.3	1.5	3.64	0.313	0.48	< 0.02	0.39	0.03	< 0.02	1.43	116	212	421	64.0	226	29.9	4.3	17.6	1.7	7.99	1.4	3.6
R20760	25.5	27.0	2.6	1.8	2.33	0.307	0.31	< 0.02	0.43	0.04	< 0.02	1.37	141	200	342	58.8	212	27.0	3.7	15.4	1.3	6.21	1.1	2.7
R20761	21.5	22.0	0.6	0.6	1.04	0.292	0.47	< 0.02	0.21	0.03	< 0.02	0.77	74.9	209	299	55.6	196	23.2	3.2	12.7	1.1	4.87	0.8	2.0

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Analyte Symbol	Sr	Y	Zr	Nb	Mo	Ag	Cd	In	Sn	Sb	Te	Cs	Ba	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er
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	0 5	0 01	0.1	0.1	0.01	0 002	0.01	0.02	0.05	0.02	0.02	0.02	0.5	0 5	0.01	0 1	0.02	0 1	0 1	0 1	0.1	0 001	0 1	0 1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
R20762	25.1	42 3	0 7	1.0	3.46	0.744	0.71	< 0.02	0.25	0 04	< 0.02	0 93	75 1	290	549	79.5	279	35.6	5 2	20 9	1.9	9 26	1 6	4 1
R20763	20.8	44 8	0 9	1 2	3 04	0.540	0.65	< 0.02	0.30	0 03	< 0 02	1 06	103	231	430	73 7	273	37.2	5.8	22.3	2 1	9.91	1 7	4 3
R20764	22.8	28 6	1.1	1 7	11 2	0.380	0.84	< 0.02	0 39	0 04	< 0.02	1 36	126	209	346	59 4	204	25.5	3.6	14.4	1.3	5.87	1 0	2 6
R20765	21.1	43 3	1.2	1 8	20 7	0 255	0.41	< 0 02	0 37	0 03	< 0.02	0.94	83 0	205	465	67 8	244	33 5	4 5	19 9	1 9	9 07	1 5	4 0
R20766	15.8	43 2	0.6	1 0	12.3	0 315	0.48	< 0 02	0.27	0 03	< 0 02	0 77	77.9	221	555	72.7	265	37.3	5 2	23.0	2 1	9.97	1.7	4 2
R20767	19.0	36 2	0.4	0 8	10.6	0 336	0.72	< 0 02	1 77	0 04	< 0.02	0 47	75 5	204	371	66.3	239	31 6	4 5	17 8	1 6	7 72	1.3	3 4
R20768	37.0	32 1	3.3	3.5	6.03	0 363	0.24	0 02	0.80	0.03	< 0.02	3.56	286	191	590	54 6	188	25 7	3 6	16 7	1 5	6 89	1.2	3.1
R20769	26.9	29 3	1.7	2 1	7 39	0 259	0.79	< 0 02	0.49	0.03	< 0.02	1.50	169	204	338	53 8	181	22 7	3 1	13 3	1 2	5 94	1 0	2 8
R20770	27.0	24 6	1.4	1.9	5.07	0.373	0 73	< 0 02	0.46	0 05	< 0.02	1 37	150	175	274	43 8	148	18 6	2 6	11 3	1.0	5 03	0 9	2 3
R20771	44.5	21 2	5.8	2.1	6.07	0.252	0 36	0.03	1.10	0.03	< 0.02	3 49	421	177	277	42.7	141	16.9	2.2	9 7	0 9	4 06	0 7	1 9
R20772	30.8	27.6	3.0	2.8	4 26	0.469	0 30	< 0 02	0.65	0 05	< 0.02	1 84	211	216	295	50.9	167	20.3	2 8	12.1	1.1	5 27	0 9	2 3
R20773	37.5	26 2	2.5	2.5	2.31	0.440	0.18	0 02	0.80	0.03	< 0 02	2.60	292	198	333	47.8	156	18.9	2 8	11.1	1 0	5 06	0.9	2.3
R20774	33.0	39 5	4 8	3 9	5.94	0.752	0.30	< 0.02	0.74	0 05	< 0 02	2 41	231	270	392	68.8	224	27 7	3.9	16.8	1 6	7 57	1 3	3 3
R20775	37.3	28.5	2.8	2 7	2.00	0.385	0 45	< 0 02	0.55	0 03	< 0.02	1 87	210	214	290	54.3	184	23.0	3 2	13 2	1 2	5 70	1 0	2.5
R20776	31.5	25 6	1.6	1.7	2.37	0.388	0.75	< 0 02	0.54	0.04	< 0 02	1.02	134	211	264	53.1	179	21 4	3 0	12 2	1 1	5 24	0.9	2.4
R20777	38.0	27 2	2 6	2 9	2.81	0.397	0.22	0 02	0.72	0.03	< 0.02	1.84	264	188	463	50.5	169	21.0	2 8	12.7	1.2	5 52	1.0	2.5
R20778	29.9	35 0	1 3	2 2	3 45	0 217	0 37	< 0 02	0.34	0.04	< 0 02	0.85	77 7	182	308	47.8	175	24.4	3 7	15.4	1.5	7 17	1 3	3.3
R20779	25 5	3.39	1 1	2.7	3.79	< 0 002	0 04	< 0.02	0.40	< 0.02	< 0 02	0.46	35.5	19.6	42.4	4.3	14 7	2.3	0.4	1.6	0.2	0.918	0 2	0 4
R20780	21.5	60.6	1 0	1 4	12 4	0 359	0.36	< 0 02	0.23	0.25	< 0 02	0 62	45.0	272	494	60.4	299	42.0	6.5	25 8	2.4	11.6	2 0	5 1
R20781	24.8	36 1	0.9	1 5	6 40	0 204	0.38	< 0 02	0 35	0.05	< 0 02	1 08	74 0	181	289	45.2	159	22 1	3.1	14.1	1.4	6.81	1.2	3 2
R20782	21.8	28 4	0.4	1 1	2.37	0.323	0.34	< 0 02	0 22	0.08	< 0.02	1.04	77.3	176	298	46 1	164	22 3	3 0	13.5	1.3	6.22	1.1	2.7
R20783	26.1	47 9	0 8	1.4	7 96	0.168	0.53	< 0 02	0.33	0.05	< 0.02	0 87	70.3	219	345	62.3	225	29 6	4 0	17.3	1 6	7.95	1.4	3.8
R20784	33.5	38 9	1.2	1 9	4.06	0.161	0.61	< 0.02	0.40	0 05	< 0.02	1.10	75.0	213	277	58.7	208	27 2	3 7	16.2	1 5	7.52	1 3	3 5
R20785	26 1	38.2	0 7	1 5	4.09	0.175	0 55	< 0 02	0.37	0 08	< 0 02	0 67	72 1	212	314	59 0	208	25.9	3.3	14.7	1.4	6.91	1.3	3 3
R20786	43.8	44 5	3 8	3.6	4.46	0.358	0 57	0 02	0.85	0 04	< 0 02	2 57	286	336	467	94.7	326	39.9	4 8	22.3	1 9	9.22	1.6	4.1
R20787	19 5	62 9	0 4	1.0	2.23	0.348	0.33	< 0.02	0 20	0.03	< 0.02	0 46	78 9	260	377	83.0	299	41.1	5 6	24 5	2 5	12 7	2.2	5 8
R20788	25.3	51.6	1 3	1 9	3 82	0.352	0.44	< 0.02	0 46	0.05	< 0.02	1.07	93 8	362	572	98.7	351	42 5	5 4	24 7	2 2	10 8	1.9	4.8
R20789	29.5	49 6	2.3	3 3	2 74	0.587	0 49	0.02	0.64	0.04	< 0.02	1 49	202	391	424	98 3	335	40 3	5 1	22.9	2.2	10.8	1.8	4 6
R20790	23.1	68 2	1 4	2.6	4 79	0 384	0 26	< 0.02	0 48	0 04	< 0 02	0 76	99 4	425	581	123	451	60 9	8.2	37 5	3.6	17 4	3.1	7 6
R20791	19.0	41 4	1.2	2 3	6.74	0.298	0.46	< 0.02	0 48	0 06	< 0.02	0 65	72 4	267	305	69.1	236	29 0	3.8	16.6	1 6	7 75	1.4	3.6
R20792	17.4	74 9	1 1	1 8	6 60	0.230	0.26	< 0.02	0 42	0.04	< 0.02	0.96	88.3	354	665	111	399	54 1	7.5	32.9	3.3	16 6	3.0	7.9
R20793	18 4	60 2	1 0	1 6	4.55	0.385	0.48	< 0.02	0 37	0.07	< 0.02	0.73	79 6	335	470	91.8	319	39 9	5.2	23.7	2.3	11 4	2.0	5.3
R20794	24 4	82 6	1 2	1 9	6 05	0 329	0.80	< 0 02	0 50	0.04	< 0.02	0.80	88 2	444	610	127	455	59.2	8.0	36.6	3.4	16.6	3.0	7.6
R20795	23 1	57.6	1.3	2.0	7.95	0.218	0.28	< 0 02	0.63	0.05	< 0.02	1 06	91 3	282	410	80 4	282	37 0	4.9	21.7	2 1	10.7	1.9	5 1
R20796	23.5	45 7	1.5	2 2	3 69	0.274	0.79	< 0 02	0 57	0.05	< 0.02	0 92	94 8	220	277	61 4	216	27 8	3.8	17.0	1 7	8.54	1 5	4 0
R20797	29.2	43 8	0.6	1 1	1 78	0.317	0.80	< 0 02	0.34	0 04	< 0 02	0.29	87 2	320	553	85 0	288	35.9	4 7	21.7	2 1	10 2	1 8	4 4
R20798	19.0	57 4	0 6	1 6	3 61	0.473	0.80	< 0 02	0.42	0 05	< 0 02	0 58	72 4	309	614	91 8	330	42.9	5 9	26.0	2.5	12.5	2.2	5 5

Analyte Symbol	Tm	Yb	Lu	Hf	Ta	W	Re	Au	Tl	Pb	Th	U
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm
Detection Limit	0 1	0.1	0.1	0 1	0 05	0.1	0 001	0 5	0.02	0.01	0.1	0.1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
R20657	0.4	2 7	0.4	< 0 1	< 0.05	< 0.1	0.002	3 6	0 30	7.23	3 6	10.1
R20658	0.5	2.6	0.4	< 0 1	< 0.05	< 0.1	0.003	2.4	0 24	6.03	3 8	8.9
R20659	0.4	2.6	0 4	< 0 1	< 0.05	< 0.1	0.002	1 6	0 27	7.47	3.7	5.7
R20660	0.2	1 3	0 2	< 0 1	< 0.05	< 0.1	0.001	1.7	0 38	4.19	4 9	5.4
R20661	0 3	1 5	0 2	< 0 1	< 0.05	< 0 1	0.003	1 5	0.21	5.06	2 9	2 4
R20662	< 0.1	0.6	< 0 1	< 0 1	< 0 05	0.2	0 002	1 9	0.12	3.72	2 2	1.4
R20663	0.4	2.3	0 3	< 0 1	< 0.05	< 0.1	0.002	1.1	0 51	10 7	12.1	3.8
R20664	0.3	1 5	0 2	< 0 1	< 0.05	< 0.1	0.003	0.6	0.47	11 1	15.8	3 7
R20666	0.3	1.9	0 3	< 0 1	< 0.05	< 0.1	0 002	< 0 5	0.69	15 3	22 6	8 8
R20667	0.2	1 1	0.2	< 0 1	< 0.05	< 0.1	0 001	0.8	0 35	10.1	7.7	3.5
R20668	0.3	1 8	0.3	< 0.1	< 0 05	< 0.1	0 003	0.5	0.31	4 40	4.6	2.8
R20669	0 2	1.4	0.2	< 0.1	< 0.05	< 0.1	0.003	1.5	0.73	10.6	20.0	4.3
R20670	0.4	2.1	0.3	< 0.1	< 0.05	< 0.1	0 002	< 0 5	0 21	4.00	3.3	2.9
R20671	0.4	2.2	0 3	< 0 1	< 0.05	< 0.1	0 004	1 3	0.35	4.85	2.2	4.9
R20672	0.5	2.8	0 4	< 0 1	< 0.05	< 0.1	0.002	1 1	0.32	5.07	5.0	2.9
R20673	0.3	2 0	0 3	< 0 1	< 0 05	< 0.1	0.002	1 6	0 34	5 64	5.9	3 2
R20674	0 2	1.4	0 2	< 0.1	< 0.05	< 0.1	< 0.001	1.1	0 39	7 22	8.1	2.6
R20675	0.4	2 1	0.3	< 0 1	< 0.05	< 0.1	0.004	< 0 5	0 48	6.34	4.4	4.9
R20676	0.4	2.7	0 4	< 0 1	< 0.05	< 0 1	0 002	1.3	0.82	14 4	29.9	4.0
R20677	0.3	1 7	0 3	< 0 1	< 0.05	< 0.1	< 0.001	0.8	0.34	6 17	9.5	4 0
R20678	0 4	2 6	0 4	< 0 1	< 0.05	< 0 1	0.004	1.0	0 30	7 78	8 4	10 8
R20679	0 4	2 3	0 3	< 0 1	< 0.05	< 0.1	0.001	1 7	0 22	7.03	5 9	4 1
R20680	0.4	2.6	0 4	< 0 1	< 0.05	< 0.1	0.007	1.8	0.83	22.9	19 2	12.6
R20681	0.5	3.0	0.4	< 0 1	< 0.05	< 0.1	0.003	0.9	0.18	6.93	5.7	7.3
R20682	0.4	2.2	0.3	< 0.1	< 0.05	< 0.1	0.004	0 7	0.29	7 86	5.9	18.1
R20683	0.2	1.5	0.2	< 0 1	< 0.05	< 0.1	0.001	< 0 5	0 26	5 64	6.4	4.2
R20684	0.3	1.6	0 2	< 0.1	< 0 05	< 0.1	0.002	1 2	0.47	6 34	9.9	5.9
R20685	0.3	1 6	0.2	< 0 1	< 0.05	< 0.1	0.003	0.6	0 72	7 21	16.3	5.5
R20686	0.3	1.7	0.3	< 0.1	< 0 05	< 0.1	0.003	0.8	0 22	10.4	7.9	3.5
R20687	0.3	1.7	0 3	< 0.1	< 0 05	< 0.1	0 001	< 0 5	0 46	7.19	11.4	11.2
R20688	0.4	2.4	0 3	< 0.1	< 0.05	< 0.1	0 003	< 0 5	0.48	8 27	10.0	7.2
R20689	0.3	1.8	0.3	< 0 1	< 0 05	< 0.1	0.002	1 4	0 37	6 18	8.6	4.1
R20690	0.3	1.7	0.3	< 0 1	< 0.05	< 0.1	0.003	0 5	0.34	7 41	10.7	2.8
R20691	0.4	2 2	0.3	< 0 1	< 0.05	< 0.1	0.002	< 0.5	0.60	10 0	10.3	6.7
R20692	0.4	2 3	0 3	< 0 1	< 0 05	< 0.1	0.003	2 7	1.05	77 3	34.8	5 5
R20693	0 2	1.2	0 2	< 0 1	< 0.05	0.1	< 0.001	2.7	0.41	34 2	13 3	4.7
R20694	0.3	1 7	0 2	< 0.1	< 0.05	< 0.1	0.001	1.8	0 43	24.9	5.3	8 8
R20695	0.3	1 6	0 3	< 0.1	< 0 05	< 0.1	0.002	1.4	0 34	20 7	6.6	4.7
R20696	0 3	2.0	0.3	< 0 1	< 0 05	< 0.1	0.001	0.7	0 38	19 7	9.2	6 7
R20697	0.2	1.3	0.2	< 0.1	< 0 05	< 0.1	0.002	2.3	0 74	64 6	25.9	2.7
R20698	0.4	2.1	0.3	< 0.1	< 0 05	< 0.1	0.001	2.1	0 35	14 7	7.5	5.5
R20699	0.3	1.7	0.3	< 0.1	< 0.05	< 0.1	0.003	4.0	0 52	27 8	8.5	6.0
R20700	0.4	2 3	0 3	< 0.1	< 0 05	< 0.1	0.002	1.5	0.51	18 5	14.4	5.5
R20701	0.3	1.5	0 2	< 0.1	< 0 05	< 0.1	0.003	1.7	0.50	18.8	15.6	3 5
R20702	0.2	0 9	0 1	< 0 1	< 0.05	0.1	0.001	< 0.5	0 18	13 5	4.6	2 9
R20703	0.2	1 2	0.2	< 0 1	< 0.05	< 0.1	0.002	2 6	0 34	4 61	3.6	4.8
R20704	0.3	1.6	0.2	< 0 1	< 0 05	< 0.1	0.002	0.7	0 27	6.70	2 4	10 1
R20705	0.4	2.7	0 4	< 0.1	< 0 05	< 0.1	0 002	1.1	0 65	18.2	16.4	3 2
R20706	0.4	2 5	0.4	< 0.1	< 0 05	< 0 1	< 0.001	0 7	0.74	19 2	21.7	4.7
R20707	0.3	1.8	0.3	< 0.1	< 0.05	< 0.1	0.002	1 5	0.77	23 2	16.8	6.1
R20708	0.3	1.8	0 3	< 0 1	< 0.05	< 0.1	0.002	1.0	0.43	18 3	7 8	5.0
R20709	0.3	1 9	0.3	< 0.1	< 0 05	< 0.1	0.001	0 7	0 27	7 22	6.8	3 0

Analyte Symbol	Tm	Yb	Lu	Hf	Ta	W	Re	Au	Ti	Pb	Th	U
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm
Detection Limit	0.1	0.1	0.1	0.1	0.05	0.1	0.001	0.5	0.02	0.01	0.1	0.1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
R20710	0.5	2.8	0.4	< 0.1	< 0.05	< 0.1	0.010	2.5	0.83	6.34	15.5	3.4
R20711	0.7	3.8	0.5	< 0.1	< 0.05	< 0.1	0.004	1.0	0.34	3.00	3.8	2.6
R20712	0.2	1.4	0.2	< 0.1	< 0.05	< 0.1	0.002	< 0.5	0.26	6.15	8.2	1.7
R20713	0.3	1.5	0.2	< 0.1	< 0.05	0.1	0.002	< 0.5	0.46	3.06	5.0	1.7
R20714	0.7	4.4	0.6	< 0.1	< 0.05	< 0.1	0.003	2.3	0.55	11.5	8.1	5.7
R20715	0.8	4.6	0.7	< 0.1	< 0.05	< 0.1	0.003	2.3	0.59	8.99	8.7	4.2
R20716	0.2	1.1	0.2	< 0.1	< 0.05	< 0.1	< 0.001	< 0.5	0.26	6.96	10.6	2.6
R20717	< 0.1	0.4	< 0.1	< 0.1	< 0.05	0.1	0.001	1.1	0.08	5.02	11.4	1.0
R20718	0.4	2.8	0.4	< 0.1	< 0.05	< 0.1	0.002	1.8	0.73	19.6	29.0	6.8
R20719	0.2	1.2	0.2	< 0.1	< 0.05	< 0.1	0.001	0.6	0.76	14.5	32.0	2.4
R20720	0.3	1.6	0.2	< 0.1	< 0.05	< 0.1	0.002	< 0.5	0.48	10.8	17.7	6.1
R20721	0.4	2.4	0.4	< 0.1	< 0.05	< 0.1	0.003	2.1	0.43	8.92	13.4	8.4
R20722	0.2	1.0	0.1	< 0.1	< 0.05	0.1	< 0.001	1.3	0.27	7.74	11.6	1.5
R20723	0.2	1.3	0.2	< 0.1	< 0.05	< 0.1	0.001	0.7	0.39	7.86	11.1	3.1
R20724	0.3	1.6	0.2	< 0.1	< 0.05	< 0.1	0.001	< 0.5	0.36	8.08	5.8	3.5
R20725	0.3	1.8	0.3	< 0.1	< 0.05	< 0.1	< 0.001	1.6	0.84	14.0	23.4	3.6
R20726	0.2	1.2	0.2	< 0.1	< 0.05	0.1	0.001	0.9	0.36	9.62	10.8	4.2
R20727	0.2	1.2	0.2	< 0.1	< 0.05	0.1	0.001	1.6	0.44	10.8	10.3	4.5
R20728	0.3	1.8	0.3	< 0.1	< 0.05	< 0.1	0.001	1.5	0.29	10.1	6.5	4.5
R20729	0.3	1.6	0.2	< 0.1	< 0.05	0.1	0.001	1.0	0.59	22.0	15.2	6.5
R20730	0.4	2.4	0.4	< 0.1	< 0.05	< 0.1	0.002	1.4	0.47	20.9	11.1	12.1
R20731	0.2	1.1	0.2	< 0.1	< 0.05	< 0.1	0.001	1.2	0.25	6.25	3.4	2.2
R20732	0.4	2.2	0.3	< 0.1	< 0.05	< 0.1	0.001	0.8	0.76	11.0	18.7	3.8
R20733	0.3	1.6	0.2	< 0.1	< 0.05	< 0.1	0.001	1.6	0.37	8.92	8.7	2.6
R20734	0.2	1.4	0.2	< 0.1	< 0.05	< 0.1	0.002	1.3	1.08	18.3	39.8	4.5
R20735	0.3	2.1	0.3	< 0.1	< 0.05	< 0.1	0.005	0.8	0.40	8.19	7.5	10.2
R20736	0.2	1.2	0.2	< 0.1	< 0.05	< 0.1	< 0.001	0.9	0.44	9.38	19.4	2.7
R20737	0.4	2.4	0.4	< 0.1	< 0.05	< 0.1	0.001	0.9	0.88	8.28	18.7	3.7
R20738	0.4	2.3	0.3	< 0.1	< 0.05	< 0.1	0.001	2.0	0.37	6.71	8.5	3.2
R20739	0.3	1.8	0.3	< 0.1	< 0.05	< 0.1	0.004	1.0	0.68	19.6	20.9	5.5
R20740	0.2	1.4	0.2	< 0.1	< 0.05	< 0.1	< 0.001	1.3	0.19	4.92	3.6	2.7
R20741	0.3	1.7	0.3	< 0.1	< 0.05	< 0.1	0.002	0.7	0.37	8.11	9.7	4.8
R20742	0.2	1.1	0.2	< 0.1	< 0.05	< 0.1	0.002	0.8	0.93	16.0	28.2	3.4
R20743	0.2	1.2	0.2	< 0.1	< 0.05	0.1	0.002	< 0.5	0.33	6.38	12.9	3.5
R20744	0.2	1.0	0.1	< 0.1	< 0.05	< 0.1	0.002	< 0.5	0.41	9.44	17.9	2.3
R20745	0.1	0.8	0.1	< 0.1	< 0.05	< 0.1	0.001	0.8	0.23	4.43	6.0	1.7
R20746	0.2	1.0	0.2	< 0.1	< 0.05	< 0.1	0.001	0.6	0.32	10.2	6.8	2.8
R20747	< 0.1	0.4	< 0.1	< 0.1	< 0.05	0.3	0.001	0.8	0.08	4.41	9.5	0.9
R20748	0.3	1.7	0.2	< 0.1	< 0.05	< 0.1	0.002	0.8	0.60	12.2	24.0	3.9
R20749	0.2	1.2	0.2	< 0.1	< 0.05	< 0.1	0.002	< 0.5	0.47	8.05	14.3	3.9
R20750	0.4	2.7	0.4	< 0.1	< 0.05	< 0.1	0.001	0.7	0.63	15.5	28.2	5.7
R20751	0.3	2.0	0.3	< 0.1	< 0.05	< 0.1	0.002	0.8	0.39	7.87	7.2	4.8
R20752	0.3	1.5	0.2	< 0.1	< 0.05	< 0.1	0.003	0.6	0.24	8.36	5.0	2.8
R20753	0.3	2.0	0.3	< 0.1	< 0.05	< 0.1	0.003	1.0	0.43	10.1	10.9	4.6
R20754	0.4	2.4	0.3	< 0.1	< 0.05	< 0.1	0.001	0.7	0.69	18.5	32.9	6.5
R20755	0.2	1.0	0.1	< 0.1	< 0.05	0.1	< 0.001	< 0.5	0.17	6.17	12.1	1.9
R20756	0.3	2.1	0.3	< 0.1	< 0.05	< 0.1	0.004	5.4	0.45	8.64	9.2	3.7
R20757	0.5	3.2	0.4	< 0.1	< 0.05	< 0.1	0.001	0.5	0.20	4.26	3.2	3.9
R20758	0.4	2.6	0.4	< 0.1	< 0.05	< 0.1	0.002	1.2	0.42	14.6	4.8	4.2
R20759	0.5	3.0	0.4	< 0.1	< 0.05	< 0.1	0.002	1.0	0.37	8.87	7.4	3.9
R20760	0.4	2.2	0.3	< 0.1	< 0.05	< 0.1	0.002	< 0.5	0.48	16.5	14.7	3.9
R20761	0.3	1.5	0.2	< 0.1	< 0.05	< 0.1	0.002	< 0.5	0.28	4.68	4.2	2.8

Analyte Symbol	Tm	Yb	Lu	Hf	Ta	W	Re	Au	Tl	Pb	Th	U
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm
Detection Limit	0.1	0.1	0.1	0 1	0.05	0.1	0.001	0 5	0 02	0.01	0.1	0.1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
R20762	0.5	3.2	0.5	< 0.1	< 0 05	< 0.1	0 003	1.6	0.67	7.16	4.9	5.5
R20763	0.6	3.4	0.5	< 0 1	< 0.05	< 0.1	0 002	< 0 5	0.32	7.04	5.5	4 0
R20764	0 3	2.1	0.3	< 0 1	< 0.05	< 0.1	0 002	1.3	0.50	10.6	7.4	3 9
R20765	0.5	3 4	0.5	< 0 1	< 0 05	< 0.1	0 002	0 5	0.27	7.06	6 6	5.9
R20766	0.6	3 5	0.5	< 0.1	< 0.05	< 0.1	0.001	1 1	0.24	6.30	3 1	5.5
R20767	0.5	2.8	0.4	< 0.1	< 0.05	< 0.1	0 003	1.0	0.11	9.78	2.3	5 9
R20768	0.4	2.5	0.4	< 0 1	< 0 05	< 0.1	0.002	1.1	0.87	18 3	35.2	8 5
R20769	0.4	2 3	0.4	< 0 1	< 0 05	< 0.1	0.002	0.8	0 51	9 34	11 8	6 5
R20770	0.3	1 8	0 3	< 0.1	< 0.05	< 0.1	0 002	0.9	0.48	8.86	8 5	4.4
R20771	0.3	1.6	0 2	< 0 1	< 0 05	< 0.1	0 002	1.3	1 00	18 2	37.7	4.9
R20772	0.3	1.9	0.3	< 0 1	< 0 05	< 0.1	0 002	< 0 5	0.56	10.5	18.3	3 2
R20773	0 3	2 0	0.3	< 0.1	< 0 05	< 0.1	0.001	2 0	0.79	13.8	33.7	2 4
R20774	0 4	2.8	0.4	< 0 1	< 0.05	< 0.1	0.003	1 2	0 76	12.4	39.8	2.6
R20775	0.3	2 0	0.3	< 0.1	< 0 05	< 0.1	0.003	0 7	0.58	8.58	14.3	2.8
R20776	0.3	2.0	0 3	< 0.1	< 0.05	< 0.1	0.002	0.6	0.38	6.94	7 2	3.2
R20777	0 4	2 2	0.3	< 0.1	< 0 05	< 0.1	0 001	0.6	0.69	10.9	20 8	2.4
R20778	0.4	2 7	0.4	< 0 1	< 0.05	< 0.1	0 001	< 0 5	0.26	4 46	8.3	20.0
R20779	< 0.1	0.3	< 0.1	< 0 1	< 0.05	2.2	0 001	< 0 5	0 07	3 88	7.9	0.7
R20780	0.7	4.3	0 6	< 0.1	< 0.05	< 0.1	0 013	< 0.5	0.32	12.0	8.0	54 3
R20781	0 4	2 6	0 4	< 0.1	< 0.05	< 0 1	0.001	0 5	0.21	5.62	4 7	23.4
R20782	0.4	2 1	0 3	< 0.1	< 0.05	< 0.1	0 002	0 5	0.16	7.99	2 7	18.7
R20783	0.5	3 3	0.5	< 0.1	< 0.05	< 0 1	0 002	< 0.5	0 20	5.18	3 7	14 3
R20784	0.5	2 8	0.4	< 0.1	< 0.05	< 0.1	0 003	< 0.5	0.20	6.09	4.5	13 5
R20785	0.4	2.7	0 4	< 0.1	< 0.05	0.3	0 001	0.6	0.22	6.72	3.5	7.4
R20786	0.5	3 3	0 5	< 0.1	< 0.05	0.2	0.003	0 5	0.66	12.9	25.5	17.3
R20787	0.8	4.7	0.6	< 0 1	< 0.05	< 0.1	0.005	0 9	0 14	3.60	4.1	4.0
R20788	0.6	3.9	0.6	< 0.1	< 0 05	< 0.1	0.004	1 0	0.26	6 65	5.8	8.7
R20789	0.6	3 5	0 5	< 0 1	< 0 05	< 0.1	0 001	< 0.5	0 51	9 38	17.8	4 3
R20790	1 0	5.9	0.8	< 0.1	< 0 05	< 0.1	0.002	1 2	0 29	6 76	10.3	7.6
R20791	0 5	2 8	0.4	< 0 1	< 0 05	< 0.1	0.002	3 5	0 27	5.68	6.9	4.6
R20792	1.1	6.5	0 9	< 0 1	< 0.05	< 0.1	0.001	1.1	0 26	7 77	8.8	11.3
R20793	0.7	4 3	0.6	< 0.1	< 0 05	< 0.1	0.004	< 0.5	0 23	7 15	5.3	5.5
R20794	1.0	6.2	0 9	< 0.1	< 0 05	< 0.1	0.005	2.2	0.30	7.32	5.7	9.0
R20795	0.7	4.3	0 6	< 0.1	< 0.05	< 0.1	0.003	0.7	0 25	7 38	9.0	10.4
R20796	0.5	3.3	0 5	< 0.1	< 0 05	< 0.1	0 002	0 9	0 21	6 99	6.9	6.1
R20797	0.6	3.4	0 5	< 0.1	< 0 05	< 0.1	0.005	1 4	0.16	4.19	3 9	7.1
R20798	0.7	4.4	0 6	< 0 1	< 0.05	< 0.1	0 004	1 5	0 18	5.26	3.5	7 0

Quality Control

Analyte Symbol	LOI	Li	Be	B	Na	Mg	Al	K	Bi	Ca	Sc	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Rb
Unit Symbol	%	ppm	ppm	ppm	%	%	%	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit		0.1	0.1	1	0.001	0.01	0.01	0.01	0.02	0.01	0.1	1	0.5	1	0.01	0.1	0.1	0.01	0.1	0.02	0.1	0.1	0.1	0.1
Analysis Method	GRAV	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
GXR-1 Meas		4.8	0.8	12	0.040	0.15	0.35	0.03	1390	0.82	1.5	77	6.5	826	25.3	8.0	40.2	1200	781	4.42		390	16.3	2.2
GXR-1 Cert		8.20	1.22	15.0	0.0520	0.217	3.52	0.0500	1380	0.960	1.58	80.0	12.0	852	23.6	8.20	41.0	1110	760	13.8		427	16.6	14.0
DH-1a Meas																								
DH-1a Cert																								
GXR-4 Meas		9.0	1.3	4	0.131	1.50	2.73	1.73	19.7	0.85	6.8	81	55.6	147	3.12	14.7	41.0	5960	72.3	10.7		95.5	5.0	102
GXR-4 Cert		11.1	1.90	4.50	0.564	1.66	7.20	4.01	19.0	1.01	7.70	87.0	64.0	155	3.09	14.6	42.0	6520	73.0	20.0		98.0	5.60	160
LKSD-1 Meas	23.50																							
LKSD-1 Cert	23.5																							
GXR-6 Meas		25.1	0.8	5	0.076	0.41	6.79	1.04	0.15	0.20	22.0	153	72.8	912	5.31	12.8	22.9	64.7	118	16.8		206	0.3	63.4
GXR-6 Cert		32.0	1.40	9.80	0.104	0.609	17.7	1.87	0.290	0.180	27.6	186	96.0	1010	5.58	13.8	27.0	66.0	118	35.0		330	0.940	90.0
LKSD-3 Meas	11.90																							
LKSD-3 Cert	11.8																							
OREAS 13b (4-Acid) Meas																53.6	2450	2530				51.8		
OREAS 13b (4-Acid) Cert																75	2247	2327				57		
R20670 Orig		5.7	0.4	7	0.039	0.26	1.44	0.11	0.03	0.36	1.0	21	63.8	96	1.25	4.6	27.8	116	51.9	2.03	0.3	< 0.1	2.4	12.0
R20670 Dup		5.6	0.4	7	0.038	0.27	1.51	0.11	0.03	0.36	0.9	19	64.7	99	1.29	4.7	27.8	117	51.1	1.90	0.3	< 0.1	2.3	11.8
R20684 Orig		18.4	0.4	2	0.048	0.71	1.83	0.36	0.03	0.46	3.4	40	55.8	303	2.12	11.5	25.0	88.6	126	5.33	0.3	< 0.1	1.5	38.6
R20684 Dup		18.7	0.4	2	0.048	0.71	1.87	0.36	0.03	0.47	3.3	38	55.8	305	2.19	11.7	25.3	89.3	125	5.25	0.3	< 0.1	1.3	39.1
R20697 Orig		31.9	0.5	3	0.070	1.36	3.06	0.84	2.35	0.41	5.0	69	58.7	454	3.94	19.2	36.3	114	136	10.1	0.2	1.3	1.7	101
R20697 Dup		32.7	0.6	3	0.074	1.40	3.26	0.88	2.44	0.43	5.3	71	62.2	483	4.19	20.5	38.4	121	143	10.7	0.2	2.2	2.0	107
R20711 Orig		5.3	0.3	5	0.029	0.20	1.50	0.09	< 0.02	0.44	1.2	20	19.4	75	1.13	4.9	15.2	260	55.4	1.65	0.4	0.6	3.4	9.4
R20711 Dup		5.4	0.4	6	0.021	0.20	1.54	0.09	0.02	0.44	0.9	18	20.2	77	1.18	4.8	16.9	265	58.0	1.58	0.4	< 0.1	2.9	9.6
R20734 Orig		56.1	1.0	4	0.052	2.09	4.99	1.45	0.06	0.47	9.1	108	47.5	1520	7.53	36.2	49.3	199	213	17.4	0.3	< 0.1	< 0.1	173
R20734 Dup		60.5	1.1	4	0.062	2.40	5.93	1.64	0.08	0.53	10.1	120	54.7	1750	8.62	41.7	55.9	220	237	20.2	0.3	< 0.1	0.6	198
R20748 Orig		23.0	0.4	2	0.047	0.94	2.44	0.50	0.04	0.32	4.1	50	56.3	692	8.35	28.3	38.4	167	103	6.57	0.3	< 0.1	1.8	65.8
R20748 Dup		24.8	0.5	3	0.052	1.05	2.66	0.52	0.04	0.34	4.4	58	63.1	756	8.99	30.4	38.6	180	112	7.59	0.3	< 0.1	1.8	73.0
R20761 Orig		10.3	0.3	3	0.028	0.28	1.18	0.14	< 0.02	0.30	1.2	16	15.6	94	0.74	3.8	14.3	100	56.1	2.03	0.3	< 0.1	1.0	19.1
R20761 Dup		10.5	0.3	3	0.030	0.30	1.21	0.15	< 0.02	0.31	1.2	15	16.4	98	0.76	3.8	12.6	102	57.4	2.14	0.3	< 0.1	1.0	19.2
R20775 Orig		30.9	0.6	8	0.048	1.06	2.48	0.65	0.03	0.48	4.1	53	29.4	351	2.75	13.7	34.1	167	146	7.96	0.4	< 0.1	1.9	80.8
R20775 Dup		32.7	0.6	9	0.052	1.12	2.58	0.67	0.03	0.48	4.2	56	31.3	365	2.81	14.3	35.4	174	154	8.74	0.4	< 0.1	1.6	83.9
R20791 Orig		10.5	0.5	11	0.023	0.49	1.55	0.17	0.04	0.36	2.4	32	33.7	187	2.73	8.4	23.0	80.7	123	3.80	0.3	< 0.1	1.4	19.0
R20791 Dup		10.9	0.5	13	0.037	0.57	1.73	0.19	0.04	0.41	2.7	36	40.0	221	3.02	9.3	24.8	85.4	134	4.53	0.4	< 0.1	2.1	21.2
Method Blank Method Blank		< 0.1	< 0.1	< 1	< 0.001	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.1	< 1	< 0.5	< 1	< 0.01	< 0.1	< 0.1	< 0.01	< 0.1	< 0.02	< 0.1	< 0.1	< 0.1	< 0.1

Quality Control

Analyte Symbol	Sr	Y	Zr	Nb	Mo	Ag	Cd	In	Sn	Sb	Te	Cs	Ba	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er
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	0.5	0.01	0.1	0.1	0.01	0.002	0.01	0.02	0.05	0.02	0.02	0.02	0.5	0.5	0.01	0.1	0.02	0.1	0.1	0.1	0.1	0.001	0.1	0.1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
GXR-1 Meas	175	27.2	13.6	0.2	18.2	30.7	2.50	0.71	23.6	93.1	14.0	2.77	292	4.1	11.0		6.08	2.2	0.5	3.4	0.7	4.34		
GXR-1 Cert	275	32.0	38.0	0.800	18.0	31.0	3.30	0.770	54.0	122	13.0	3.00	750	7.50	17.0		18.0	2.70	0.690	4.20	0.830	4.30		
DH-1a Meas																								
DH-1a Cert																								
GXR-4 Meas	76.3	12.0	10.3	0.2	320	3.48	0.05	0.20	5.33	3.71	0.92	2.42	43.6	49.5	94.2		36.5	5.8	1.3	4.4	0.5	2.52		
GXR-4 Cert	221	14.0	186	10.0	310	4.00	0.860	0.270	5.60	4.80	0.970	2.80	1640	64.5	102		45.0	6.60	1.63	5.25	0.360	2.60		
LKSD-1 Meas																								
LKSD-1 Cert																								
GXR-6 Meas	40.9	6.45	17.9	< 0.1	1.69	0.259	0.09	0.06	0.92	2.19	< 0.02	3.23	1240	10.3	30.0		10.2	2.0	0.5	1.8	0.2	1.35		
GXR-6 Cert	35.0	14.0	110	7.50	2.40	1.30	1.00	0.260	1.70	3.60	0.0180	4.20	1300	13.9	36.0		13.0	2.67	0.760	2.97	0.415	2.80		
LKSD-3 Meas																								
LKSD-3 Cert																								
OREAS 13b (4-Acid) Meas					9.37	0.919																		
OREAS 13b (4-Acid) Cert					9.0	0.86																		
R20670 Orig	22.4	29.1	0.5	1.0	4.24	0.388	0.58	< 0.02	0.19	0.05	< 0.02	0.51	75.2	140	256	41.5	152	19.7	3.0	12.8	1.2	5.52	1.0	2.5
R20670 Dup	22.3	29.5	0.4	1.0	4.29	0.394	0.62	< 0.02	0.18	0.05	< 0.02	0.53	75.8	142	258	41.9	153	20.6	3.1	13.1	1.2	5.65	1.0	2.6
R20684 Orig	30.8	23.2	1.0	2.0	4.98	0.159	0.67	< 0.02	0.46	0.03	< 0.02	1.26	122	169	237	43.5	148	17.9	2.6	10.8	1.0	4.38	0.8	2.0
R20684 Dup	31.1	23.2	1.0	2.0	4.97	0.163	0.67	< 0.02	0.44	0.03	< 0.02	1.25	124	171	236	43.6	149	18.0	2.6	11.3	1.0	4.51	0.8	2.1
R20697 Orig	34.9	18.8	2.6	2.6	4.44	1.40	0.25	0.03	1.23	1.43	2.52	2.19	241	142	230	33.7	111	13.8	2.0	8.8	0.8	3.65	0.6	1.6
R20697 Dup	36.3	19.6	2.7	2.8	4.71	1.48	0.23	0.03	1.26	1.51	2.76	2.27	254	146	236	34.5	115	14.1	2.0	9.0	0.8	3.71	0.7	1.7
R20711 Orig	30.4	59.0	0.7	1.0	2.25	0.563	0.54	< 0.02	0.23	0.04	< 0.02	0.44	86.0	231	438	71.8	265	37.0	6.1	24.3	2.3	10.6	1.9	4.9
R20711 Dup	29.3	59.4	0.4	0.8	2.29	0.551	0.51	< 0.02	0.23	0.04	< 0.02	0.44	86.4	233	440	72.5	266	37.4	6.2	25.3	2.4	11.0	1.9	4.9
R20734 Orig	51.7	19.3	7.4	1.0	2.94	0.241	0.26	0.03	1.07	0.04	< 0.02	3.31	421	201	267	44.5	141	15.9	2.1	9.5	0.8	3.69	0.6	1.7
R20734 Dup	57.8	21.3	7.4	0.9	3.34	0.249	0.29	0.03	1.20	0.03	< 0.02	3.70	469	208	291	47.9	153	17.3	2.3	10.5	0.9	3.95	0.7	1.7
R20748 Orig	24.7	21.4	1.7	1.9	5.51	0.445	0.21	< 0.02	0.59	0.03	< 0.02	1.89	149	152	293	38.4	131	16.9	2.5	10.6	1.0	4.65	0.8	2.0
R20748 Dup	27.2	23.7	2.0	2.2	5.99	0.478	0.26	< 0.02	0.67	0.04	< 0.02	1.97	153	154	300	40.1	137	18.0	2.6	10.7	1.0	4.53	0.8	2.0
R20761 Orig	21.3	21.8	0.5	0.6	1.04	0.291	0.47	< 0.02	0.21	0.03	< 0.02	0.79	77.8	209	302	56.0	196	23.2	3.2	12.8	1.1	4.88	0.8	2.1
R20761 Dup	21.7	22.2	0.6	0.7	1.05	0.293	0.47	< 0.02	0.20	0.03	< 0.02	0.76	72.0	209	297	55.3	195	23.1	3.2	12.6	1.1	4.87	0.8	2.0
R20775 Orig	36.9	27.9	2.8	2.6	2.00	0.372	0.44	< 0.02	0.52	0.03	< 0.02	1.85	200	212	286	53.5	181	22.5	3.1	13.1	1.2	5.64	1.0	2.5
R20775 Dup	37.8	29.2	2.8	2.8	1.99	0.397	0.47	< 0.02	0.59	0.04	< 0.02	1.89	220	215	294	55.1	187	23.4	3.3	13.3	1.2	5.76	1.0	2.5
R20791 Orig	16.7	39.2	0.9	1.9	6.25	0.302	0.46	< 0.02	0.44	0.06	< 0.02	0.64	70.7	271	309	69.9	235	28.8	3.8	16.8	1.6	8.05	1.4	3.7
R20791 Dup	21.2	43.7	1.5	2.7	7.24	0.293	0.46	< 0.02	0.51	0.06	< 0.02	0.67	74.2	264	301	68.3	237	29.2	3.8	16.4	1.5	7.46	1.3	3.4
Method Blank Method Blank	< 0.5	< 0.01	< 0.1	< 0.1	< 0.01	< 0.002	< 0.01	< 0.02	< 0.05	< 0.02	< 0.02	< 0.02	< 0.5	< 0.5	< 0.01	< 0.1	< 0.02	< 0.1	< 0.1	< 0.1	< 0.1	< 0.001	< 0.1	< 0.1

Quality Control

Analyte Symbol	Tm	Yb	Lu	Hf	Ta	W	Re	Au	Tl	Pb	Th	U
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm
Detection Limit	0.1	0 1	0.1	0.1	0.05	0 1	0.001	0.5	0 02	0.01	0 1	0.1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
GXR-1 Meas	0 3	2 1	0 3	< 0.1	< 0 05	159		3320	0.38	751	2 8	35.1
GXR-1 Cert	0.430	1.90	0.280	0.960	0.175	164		3300	0 390	730	2 44	34.9
DH-1a Meas											> 200	2530
DH-1a Cert											910	2630
GXR-4 Meas	0 1	0.9	0.1	0.3	< 0.05	14.3		488	2.86	50.9	20 9	5 4
GXR-4 Cert	0 210	1 60	0 170	6.30	0.790	30.8		470	3 20	52 0	22.5	6 20
LKSD-1 Meas												
LKSD-1 Cert												
GXR-6 Meas	0 1	0 6	< 0 1	< 0.1	< 0.05	< 0 1		52 8	1.61	99 8	5 3	0.9
GXR-6 Cert	0.0320	2 40	0.330	4.30	0.485	1.90		95.0	2.20	101	5 30	1.54
LKSD-3 Meas												
LKSD-3 Cert												
OREAS 13b (4-Acid) Meas												
OREAS 13b (4-Acid) Cert												
R20670 Orig	0 3	2 0	0.3	< 0.1	< 0.05	< 0.1	0.001	0.8	0 21	3 96	4 0	2 9
R20670 Dup	0 4	2.1	0 3	< 0 1	< 0.05	< 0.1	0.003	< 0.5	0 22	4.04	2.6	2 9
R20684 Orig	0.3	1.6	0.2	< 0.1	< 0 05	< 0.1	0 001	0.6	0 46	6 26	9 6	5 8
R20684 Dup	0 3	1.6	0 2	< 0 1	< 0.05	< 0.1	0 002	1.8	0.48	6 42	10.2	6 1
R20697 Orig	0 2	1 3	0 2	< 0 1	< 0.05	< 0.1	0 001	1.7	0 73	63 9	24.9	2 6
R20697 Dup	0 2	1.3	0 2	< 0.1	< 0.05	< 0.1	0 003	2.8	0.75	65 3	26 9	2 7
R20711 Orig	0 7	3.9	0.5	< 0 1	< 0.05	0 2	0 004	0.6	0 35	2 99	4 3	2.6
R20711 Dup	0 6	3.8	0.5	< 0.1	< 0.05	< 0.1	0 003	1 3	0 33	3 02	3 3	2 7
R20734 Orig	0.2	1.3	0.2	< 0.1	< 0.05	< 0.1	0 001	1 6	1 07	17 8	38 1	4.4
R20734 Dup	0.2	1.4	0.2	< 0.1	< 0.05	< 0 1	0 002	0.9	1 09	18 8	41 6	4.6
R20748 Orig	0.3	1.6	0.2	< 0 1	< 0.05	< 0 1	0 002	1 0	0 61	12 2	24 6	4 0
R20748 Dup	0 3	1.7	0.2	< 0.1	< 0.05	< 0 1	0.001	0 6	0.60	12.2	23 4	3 8
R20761 Orig	0 3	1.6	0.2	< 0.1	< 0.05	< 0 1	0.002	< 0.5	0 28	4 79	4.6	2.8
R20761 Dup	0.3	1.5	0.2	< 0.1	< 0 05	< 0.1	0 001	< 0 5	0.28	4.56	3.8	2.8
R20775 Orig	0 3	2.0	0.3	< 0.1	< 0.05	< 0 1	0 004	0.8	0.59	8.54	14 6	2 8
R20775 Dup	0 3	2 0	0 3	< 0.1	< 0.05	< 0 1	0.001	0.6	0 58	8 62	14 1	2 8
R20791 Orig	0.5	2 9	0.4	< 0.1	< 0.05	< 0 1	0.002	2.1	0.29	5.96	7 6	4.9
R20791 Dup	0 5	2.8	0.4	< 0 1	< 0 05	< 0 1	0.002	4.9	0 25	5 40	6.2	4.3
Method Blank Method Blank	< 0 1	< 0.1	< 0.1	< 0 1	< 0 05	< 0 1	< 0.001	< 0.5	< 0 02	< 0.01	< 0.1	< 0.1

Quality Analysis ... **Actlabs** *Innovative Technologies*

Date Submitted: 01-Oct-10
Invoice No.: A10-6648
Invoice Date: 25-Oct-10
Your Reference:

Techni-Lab Abitibi Inc.(Actlabs)
184 Rue Principale
Ste-Germaine-Boule Quebec J0Z 1M0
Canada

ATTN: Andre Caouette

CERTIFICATE OF ANALYSIS

129 Stream Sediment samples were submitted for analysis.

The following analytical packages were requested: Code 4F-LOI LOI
Code UT-1-0.5g Aqua Regia ICP/MS

REPORT **A10-6648**

Notes:
Assays are recommended for values >10,000 for Cu and Au.

CERTIFIED BY :

Emmanuel Eseme , Ph.D.
Quality Control

ISO/IEC 17025
SCC Accredited
LAB 266
LAB 266
Accrédité CCN

ACTIVATION LABORATORIES LTD.

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Activation Laboratories Ltd. Report: A10-6648

Analyte Symbol	Li	Be	B	Na	Mg	Al	K	Bi	Ca	Sc	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Rb	Sr
Unit Symbol	ppm	ppm	ppm	%	%	%	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.1	0.1	1	0.001	0.01	0.01	0.01	0.02	0.01	0.1	1	0.5	1	0.01	0.1	0.1	0.01	0.1	0.02	0.1	0.1	0.1	0.1	0.5
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
R20800	7.9	0.4	8	0.030	0.31	1.84	0.13	0.03	0.45	1.4	31	23.7	163	2.05	6.1	18.0	99.0	68.3	3.21	0.5	0.8	2.4	12.2	20.2
R20801	2.4	0.5	5	0.023	0.11	1.37	0.03	0.03	0.42	0.5	15	12.7	50	0.65	4.0	17.8	134	44.9	1.55	1.0	1.0	3.3	3.0	19.8
R20802	10.1	0.6	3	0.029	0.35	1.49	0.14	0.04	0.39	2.5	29	50.6	142	1.56	10.4	43.5	356	135	3.10	1.3	0.9	3.7	13.5	25.0
R20803	11.2	0.8	10	0.029	0.48	2.28	0.17	0.04	0.37	2.7	36	17.3	150	2.35	8.9	22.8	159	98.1	4.09	0.9	0.8	3.1	27.8	19.5
R20804	16.8	0.8	4	0.030	0.65	2.17	0.32	0.05	0.35	4.8	48	31.1	243	3.13	11.8	22.5	123	131	6.07	0.9	0.7	3.2	35.8	23.3
R20805	9.4	0.7	4	0.024	0.43	1.94	0.13	0.06	0.32	1.3	30	18.8	128	1.30	5.4	17.4	86.2	58.8	4.04	0.8	1.3	3.4	14.6	19.2
R20806	10.6	0.9	4	0.020	0.34	2.18	0.13	0.05	0.26	2.0	33	19.2	2950	2.98	33.5	35.1	156	168	3.58	1.2	0.6	4.4	15.3	17.9
R20807	8.8	0.8	5	0.020	0.24	2.06	0.10	0.05	0.21	1.5	28	15.8	283	3.76	23.7	24.9	166	131	2.60	1.0	0.4	5.1	11.8	14.9
R20808	5.3	0.3	5	0.031	0.20	1.58	0.07	0.03	0.46	0.9	17	20.3	76	0.86	4.2	25.4	139	47.9	2.30	0.6	0.5	2.3	7.3	25.5
R20809	16.9	0.8	3	0.032	0.59	2.21	0.25	0.05	0.32	3.5	43	28.2	229	2.91	11.5	27.4	155	118	5.26	0.9	0.4	2.3	29.6	28.0
R20810	12.3	0.4	3	0.020	0.41	1.59	0.17	0.04	0.26	1.3	24	15.6	137	1.35	6.0	18.5	58.5	85.4	4.10	0.5	< 0.1	2.0	22.8	20.2
R20811	11.2	0.5	2	0.020	0.43	1.67	0.19	0.07	0.21	2.4	43	26.8	1610	4.27	21.9	16.3	107	84.0	4.12	0.6	< 0.1	0.8	20.8	18.1
R20812	11.2	0.5	3	0.042	0.40	1.93	0.18	0.04	0.28	2.7	34	15.9	150	2.11	8.4	13.4	92.1	111	4.39	0.9	1.2	2.9	25.8	20.5
R20813	19.8	0.7	2	0.044	0.72	2.35	0.38	0.04	0.32	4.0	48	16.8	230	2.65	10.9	20.2	111	142	7.37	0.6	0.4	1.9	49.1	31.7
R20814	7.6	0.3	3	0.026	0.30	1.50	0.13	0.04	0.26	1.4	27	14.2	108	1.95	6.1	15.8	57.6	70.9	3.44	0.6	0.6	2.9	17.1	16.1
R20815	9.6	0.5	4	0.019	0.41	1.59	0.12	0.03	0.39	1.5	26	15.8	173	1.31	7.3	13.7	55.6	77.5	4.15	0.7	0.5	2.4	15.1	26.5
R20816	17.5	0.6	2	0.037	0.68	1.88	0.33	0.05	0.45	5.0	51	27.1	258	2.30	13.7	27.9	109	199	6.36	0.7	0.5	2.3	35.7	40.4
R20817	15.8	0.8	3	0.027	0.64	2.07	0.28	0.06	0.30	5.0	55	24.0	732	6.09	18.3	24.6	115	151	6.10	0.8	0.3	2.7	32.4	30.0
R20818	11.1	0.4	4	0.027	0.45	1.45	0.20	0.04	0.27	2.9	38	28.9	208	1.91	7.5	16.0	63.2	92.0	4.65	0.5	0.5	2.1	21.6	24.6
R20819	7.8	0.5	8	0.026	0.30	1.33	0.13	0.03	0.36	1.5	30	15.1	132	1.84	6.7	15.9	87.4	115	3.36	0.7	0.6	2.6	16.0	26.3
R20820	9.1	0.4	5	0.025	0.30	1.28	0.13	< 0.02	0.41	1.2	19	10.7	115	1.00	5.1	9.6	102	60.9	3.25	1.1	1.0	2.7	17.8	21.7
R20821	6.5	0.3	7	0.017	0.23	1.33	0.10	0.03	0.39	0.9	20	17.1	106	1.15	5.3	28.9	139	82.0	2.45	0.7	0.6	2.5	10.8	20.3
R20822	6.0	0.4	3	0.021	0.20	0.94	0.09	0.02	0.37	1.3	18	11.2	76	0.98	5.5	22.6	104	82.7	2.34	0.7	0.8	2.9	10.8	22.0
R20823	8.7	0.5	3	0.021	0.27	1.07	0.12	0.03	0.32	2.0	28	22.7	100	1.49	4.4	17.2	81.3	122	3.02	0.8	1.3	3.1	14.2	21.8
R20824	7.2	0.2	< 1	0.023	0.32	0.62	0.14	0.03	0.31	1.1	27	50.0	149	1.64	5.6	7.2	13.0	29.8	3.34	0.1	< 0.1	0.3	11.5	23.5
R20825	14.7	0.8	4	0.026	0.54	2.74	0.30	0.05	0.23	4.1	48	20.2	244	5.43	13.2	16.1	112	137	5.94	1.3	0.8	4.5	36.9	18.8
R20826	9.3	0.3	1	0.018	0.39	1.34	0.17	0.04	0.23	2.1	35	34.1	211	1.57	6.1	12.3	57.9	65.3	4.20	0.5	0.7	1.7	19.2	17.5
R20827	20.4	0.5	1	0.025	0.75	1.95	0.39	0.05	0.33	5.2	59	35.2	805	4.50	16.9	21.0	65.7	100	7.35	0.3	< 0.1	0.8	43.5	36.2
R20828	21.0	0.5	1	0.028	0.85	2.04	0.47	0.06	0.40	5.6	63	29.7	660	4.37	18.2	26.6	64.1	108	8.01	0.3	0.2	0.9	50.7	40.5
R20829	18.7	0.6	2	0.032	0.75	1.89	0.38	0.05	0.35	5.0	55	29.9	355	2.91	13.0	24.2	83.0	126	7.34	0.4	< 0.1	1.2	41.7	36.9
R20830	22.7	0.6	2	0.036	0.92	2.54	0.50	0.07	0.43	6.0	70	28.8	444	4.01	17.0	26.9	75.1	108	9.00	0.4	0.5	1.2	53.3	45.0
R20831	10.3	0.5	2	0.025	0.41	1.69	0.18	0.05	0.24	3.2	40	19.8	246	2.60	8.3	17.6	78.7	92.9	4.61	0.5	1.3	2.7	20.8	24.9
R20832	7.5	0.4	4	0.029	0.27	1.66	0.13	0.03	0.27	2.1	27	12.7	101	1.35	4.8	11.7	95.3	63.8	3.33	0.9	1.2	2.8	17.1	23.1
R20833	11.0	0.5	4	0.033	0.46	1.69	0.21	0.04	0.23	3.3	36	17.7	184	2.54	7.8	15.6	92.7	74.2	4.99	0.6	0.7	2.4	29.5	21.2
R20834	12.8	0.3	2	0.027	0.51	1.61	0.26	0.06	0.28	3.9	33	45.3	190	1.76	7.9	17.0	71.1	70.1	5.97	0.5	0.6	1.1	28.6	29.1
R20835	7.7	0.4	2	0.036	0.32	1.07	0.14	0.02	0.40	3.0	29	28.7	113	1.49	9.0	15.4	107	93.5	3.64	0.5	0.5	2.1	16.0	28.6
R20836	6.5	0.5	5	0.026	0.28	1.56	0.12	0.05	0.31	2.0	30	20.4	135	1.45	5.7	13.7	80.9	71.9	3.40	0.8	1.3	2.6	12.8	20.4
R20837	10.0	0.3	1	0.032	0.47	1.42	0.21	0.04	0.28	3.9	45	39.2	223	2.31	7.5	15.6	60.6	68.2	5.19	0.3	0.7	0.9	21.6	25.9
R20838	15.2	0.3	1	0.042	0.70	1.64	0.38	0.05	0.45	5.2	57	27.1	260	2.90	15.4	22.5	49.7	83.7	6.78	0.2	< 0.1	1.1	35.2	42.8
R20839	15.0	0.5	1	0.034	0.64	1.74	0.34	0.05	0.34	5.2	56	29.1	355	4.14	13.1	18.6	71.5	82.8	6.74	0.4	0.8	1.1	34.7	35.0
R20840	8.8	0.4	2	0.029	0.43	1.28	0.20	0.04	0.29	3.7	48	24.5	172	2.58	7.7	13.9	50.1	84.0	5.05	0.3	0.2	1.2	20.2	27.3
R20841	11.1	0.7	2	0.025	0.44	2.06	0.20	0.05	0.20	4.1	44	23.3	218	2.30	7.7	15.8	74.0	82.1	5.54	0.7	1.2	2.0	24.3	19.5
R20842	10.8	0.6	2	0.027	0.44	1.73	0.20	0.05	0.25	4.4	46	27.2	203	2.19	8.2	15.2	70.3	84.7	5.34	0.5	0.5	1.9	22.6	24.0
R20843	9.1	0.8	2	0.027	0.39	1.98	0.18	0.05	0.21	5.9	54	22.1	397	11.3	13.5	15.5	71.7	112	4.37	0.8	1.1	3.8	20.7	21.4
R20844	13.1	0.3	2	0.032	0.47	1.66	0.25	0.04	0.27	3.3	35	13.3	172	1.75	8.9	15.1	58.3	97.7	5.55	0.6	0.3	1.9	33.7	25.4
R20845	11.8	0.4	2	0.031	0.49	1.19	0.26	0.03	0.35	3.0	42	18.1	207	2.26	10.0	14.5	40.3	78.3	4.78	0.3	0.6	1.3	27.8	27.1
R20846	4.8	0.2	2	0.022	0.16	0.71	0.08	< 0.02	0.21	0.9	13	5.4	55	0.54	2.7	7.3	26.1	24.4	2.12	0.4	0.3	1.3	10.5	17.7
R20847	6.0	0.2	2	0.023	0.23	0.89	0.11	< 0.02	0.22	1.5	19	9.3	87	0.95	4.6	9.0	32.0	35.6	2.85	0.4	0.5	1.5	13.6	17.4
R20848	11.5	0.4	2	0.033	0.35	1.35	0.18	0.02	0.24	2.1	23	10.9	111	1.02	4.8	12.5	35.9	67.6	4.35	0.4	0.9	1.8	22.6	23.0
R20849	8.1	0.5	3	0.017	0.18	1.34	0.09	0.04	0.24	1.1	18	8.9	75	0.85	3.0	9.6	75.4	41.9	2.31	0.9	1.7	3.2	11.6	19.8
R20850	16.9	0.5	1	0.027	0.68	1.82	0.37	0.04	0.34	4.6	57	27.5	261	3.87	12.9	17.9	42.5	70.7	7.04	0.3	0.3	0.8	36.7	34.3
R20851	5.9	0.6	5	0.023	0.23	1.70	0.11	0.03	0.24	1.7	30	14.9	88	1.69	4.1	10.2	114	69.4	3.24	0.8	1.8	2.8	12.3	19.2

Analyte Symbol	Li	Be	B	Na	Mg	Al	K	Bi	Ca	Sc	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Rb	Sr
Unit Symbol	ppm	ppm	ppm	%	%	%	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0 1	0.1	1	0.001	0.01	0 01	0.01	0.02	0 01	0.1	1	0 5	1	0.01	0 1	0.1	0.01	0 1	0.02	0.1	0 1	0 1	0.1	0 5
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
R20852	8.5	0.4	2	0 026	0 31	1.19	0 14	0.03	0 26	1.4	19	10.1	104	0 95	4.4	9.9	35.7	51 7	3 59	0 5	1.1	1 7	19 2	24 0
R20853	17 3	0.5	3	0 044	0.72	1.99	0.39	0.05	0 36	5.1	61	29 5	284	3.00	14 0	25.5	102	117	7.57	0.4	0.7	1.5	40.6	38 1
R20854	9.0	0.4	3	0.025	0.37	1.36	0.16	0.04	0 27	2 5	38	24 7	212	2.08	7.5	14.2	80 6	86.5	4.36	0 4	0.7	2.1	18 1	23 6
R20855	6.1	0 2	< 1	0 021	0.28	0.53	0.11	0.03	0.26	1 0	23	44 2	131	1 43	4 9	6.3	11.1	16 3	3 04	< 0 1	0.3	0.4	10 1	21 8
R20856	10.6	0.6	7	0.029	0.37	1.89	0.16	< 0 02	0 31	2.6	23	11 9	125	1 21	6.7	15.0	92 1	86.9	4 17	1 0	0.8	2.5	22 3	24 8
R20857	9 5	0.4	3	0.026	0.33	1.57	0.13	0 04	0.33	1.7	28	16 3	141	1 41	6.3	12 3	59 0	63 7	4.55	0.7	1.4	3 4	16.1	26 0
R20858	11.0	0 5	3	0.024	0.40	1 59	0 17	0 05	0 29	2.3	38	18.6	188	1 66	8.7	17 2	92 9	89.0	4.36	0.7	0.9	3.1	20.4	25 7
R20859	11.0	0 7	4	0.028	0 44	1.92	0.18	0 06	0.25	3.9	48	24.2	1990	5 99	18 6	23 1	97.5	156	4 86	0.9	1.1	3 6	22 7	24,1
R20860	11.8	0.6	4	0 025	0.41	2.10	0.20	0.04	0 26	2 4	36	20.1	174	1 78	6.1	14.0	100	76.6	4 91	1 0	1 0	3 7	26 2	19.3
R20861	17.0	0.6	2	0.032	0 65	1.72	0.35	0.04	0 35	4 4	49	30.3	251	2.71	10 1	17.7	90 6	113	6 34	0.6	1.1	1 8	39.7	30.4
R20862	5.9	0 5	4	0.034	0.27	1.67	0 11	0 02	0 45	1 9	28	18.7	115	1.61	6.3	14.0	60.6	59 6	3.10	0.8	0.9	2 5	9.8	25.0
R20863	14.9	0.6	2	0 022	0.58	1.85	0 30	0.04	0 32	3 8	46	21.6	235	3 02	10.6	14.8	67.4	107	6 31	0 7	0 5	1 9	34.3	22 6
R20864	15.7	0 5	2	0 032	0.63	1 52	0.35	0.04	0 48	3.7	44	20.0	238	2 06	10.5	22.7	70 3	86 8	6.17	0 5	1.0	1 6	34 4	31.6
R20866	10 7	0 5	3	0.025	0 40	2.24	0 21	0 04	0 30	2.7	48	19.6	410	3 86	12 5	18.1	85.0	88 4	4.73	0.7	0 9	3 3	24 5	19 6
R20867	11 0	0 3	8	0 033	0.43	1.51	0 22	0 03	0 34	1 9	23	10 0	161	1.38	7 2	12.6	73.9	81 6	4 13	0.9	0.6	2.7	28 7	22 5
R20868	7.3	0 3	4	0.026	0 28	1.30	0 13	< 0 02	0 36	1.6	21	9.3	112	1.13	5.5	10.3	68.6	67 9	2 93	0.7	1.1	2 4	18 5	21 6
R20869	8.0	0 5	8	0.026	0 29	1.89	0.13	0 04	0 39	2.4	30	14.1	130	2 12	6.9	13.1	186	80 9	3.45	1.2	0.7	3.5	17 9	22 5
R20870	4.6	0 5	7	0.024	0 17	1.98	0 07	< 0.02	0 39	1.2	23	12.8	82	1.44	4 4	13.6	93.4	48 1	2 86	1 0	1.5	3 1	8.8	23.9
R20871	6.7	0.6	3	0.024	0.21	1.59	0.10	0 02	0 28	1.4	19	13.9	86	1.38	3.6	9.8	68 6	49.6	2 64	0.9	1.2	2 7	12.8	16 4
R20872	13.0	0.5	3	0 016	0.44	0.97	0.15	0 02	0.26	1.6	27	14 2	171	1.39	6 8	13.6	73 7	89.8	4 06	0.7	1.3	2 2	18 6	18 8
R20873	13.8	0 7	2	0 022	0.47	1.76	0.19	0.03	0 22	2.8	31	13.3	157	1.61	6.4	12.8	80 6	75 1	5 02	0.9	0.8	2.8	28 0	19 7
R20874	6 7	0 4	3	0.033	0.25	1 46	0.11	0.04	0 30	1 7	21	20.2	125	1.54	6 2	11 3	51.9	102	2 94	0 7	0.9	2.1	12.1	20 5
R20875	5.9	0 6	2	0.024	0 21	1.54	0 09	0 03	0 25	1 5	24	12.7	83	1 83	3 9	8 7	68.3	112	2.48	1.0	1 6	3 3	10 7	18 1
R20876	3.3	0.5	< 1	0 016	0 13	1.01	0 06	0 03	0 12	1.0	20	12 1	80	2 33	2 4	4 0	20.5	34 4	1 96	0.4	1.1	1 8	6 8	9 7
R20877	9 9	0 5	7	0 024	0.32	1 91	0 15	0.03	0 30	1.6	29	11 1	116	1 52	6 6	13 2	73.1	65 7	3.91	0 8	0.3	2 7	22 2	21 5
R20878	8 4	0 6	6	0.022	0 27	1 99	0.13	0 04	0 30	2.1	31	14 2	108	1.63	5 8	13.1	122	79 6	3.34	1.1	1.0	4 0	18 3	20.7
R20879	12 2	0 4	2	0.029	0.49	1.24	0.18	0.04	0 34	2.4	39	24.5	186	1.67	6.7	11.0	36 1	56.0	4 97	0.3	0.7	1.7	20.9	26.8
R20880	11.0	0 4	3	0.026	0.33	1.18	0 15	0 03	0 33	2 5	21	11 0	112	0.98	7.0	13.6	110	89.5	3.53	0 8	0 9	2 6	20.6	27 4
R20881	5 3	0.2	2	0.025	0.17	0 63	0 09	< 0 02	0.24	1.0	10	5.2	63	0.54	3 1	5.9	48 0	34.5	1 96	0.5	1 0	1 4	12.4	15 6
R20882	13.1	0 7	4	0.031	0.44	1.42	0.23	0 03	0.29	3 1	34	13.1	156	2.19	8.1	15.0	58 9	122	4.39	0.6	0.7	2.1	28.2	25 1
R20883	10.3	0 4	3	0.036	0 36	1 05	0.19	0.03	0 35	2 2	30	41.3	138	1 23	5.4	13 6	88 1	93 5	3 79	0.5	1 0	2 2	18.8	26.5
R20884	4.2	0 5	6	0.021	0 16	2.11	0.07	0.04	0.36	0.9	24	12 4	121	1.49	4.8	11.6	58.8	80 0	2 90	0 7	1 2	3 3	6.8	19.1
R20885	7.5	0.4	3	0.027	0 24	1.74	0.13	0.03	0.32	2 8	28	11.4	103	2.82	7.0	15 2	78.0	101	3 02	0.7	0 7	2 2	17 2	22.7
R20886	7.0	0 2	< 1	0.022	0.31	0.58	0.13	0 03	0 29	1 0	24	49 9	143	1 57	5.1	7 0	11.9	17 6	3 20	< 0.1	0 2	0 3	11 0	23 2
R20887	17.9	0 6	3	0 030	0.57	2.45	0 30	0 06	0 25	3 9	51	19 8	201	2.55	11.0	19 4	84.9	84.1	6 77	0 5	0.7	2 1	39 0	21.9
R20888	12 2	0 8	6	0.026	0 43	1 98	0 20	0 04	0 29	2 3	41	21.4	186	2 61	7 6	14.5	81 8	119	4 33	1 0	0 3	3 2	20 7	20 5
R20889	4 6	0.3	2	0 024	0 16	0.81	0.08	< 0.02	0.31	0.9	14	11 7	70	0.61	5 0	9.7	54 7	52.4	1.81	0 7	0 5	1 9	8 8	27 4
R20890	6.0	0.5	3	0 027	0.22	1 32	0.10	0 03	0 26	2.8	21	8.8	93	4 06	5.5	12.8	64.7	96 3	2 19	1.0	0.5	3.3	14.0	15 0
R20891	9.9	0 3	3	0.025	0 32	1.16	0 15	0 02	0 24	1 6	19	8 9	103	1 08	5 1	10 1	57.3	78 5	3 12	0.6	0.5	2.0	21.5	17 6
R20892	7.3	0 5	3	0 024	0.26	1 29	0.11	0.03	0.26	1.6	24	11.4	117	1.43	6 4	11.1	66.6	119	2 67	0.8	0.6	2.3	14.0	19.7
R20893	8.7	0.6	6	0 024	0.31	1.44	0 13	0 03	0.26	1.3	28	9.6	97	1 65	4 8	10.3	79 1	82 0	3.40	0 8	0.6	2 8	17.5	19.2
R20894	14 3	0 9	5	0 020	0 58	2 01	0.18	0 05	0.22	3.8	39	29 2	163	2.73	8 0	22.7	83.4	74 5	5.79	0 9	< 0.1	2.4	30.0	28 7
R20895	15.5	0.6	2	0 027	0.49	1.96	0.24	0 08	0 28	3 8	34	36.2	191	2 10	10 2	49.9	182	102	4.54	0.7	0.8	2 7	28.1	22.9
R20896	23.1	0.6	2	0 041	0.83	2 11	0 47	0.06	0 38	5 4	56	27.0	305	2 91	13 4	25.0	79 6	127	7.42	0.5	0 4	1 6	51.1	40 9
R20897	20.5	0 4	1	0.036	0 80	1.95	0.46	0 05	0 45	5 3	58	30.3	305	2.77	13.2	22.4	64 9	110	7.88	0.4	< 0.1	1.1	48 6	39 4
R20898	9 9	0 5	2	0.023	0 37	1.31	0.19	0 02	0 32	2.7	31	13 4	141	1 45	6 5	13 6	70.4	127	3 79	0 8	0.9	2 7	21.2	25.4
R20899	8 8	0 5	3	0 025	0 35	1.54	0.16	0.04	0.24	2.7	34	29 8	203	2.62	6 3	9.6	56.5	67 9	3 77	0 6	0.5	1 3	17 5	19 1
R20900	9 8	0 4	2	0 025	0 38	1 30	0.17	0.03	0 28	3 0	31	46 4	169	1 70	5 8	12.0	75.2	76 1	3.86	0 7	0 5	2 4	18.8	18.1
R20901	6.4	0.6	8	0 025	0 22	2 04	0.10	0 04	0.35	1 0	24	18 3	178	1 22	6 5	12.2	94 8	90 2	2 98	0.7	0.5	3 3	11 5	22.9
R20902	16 2	0 6	4	0.032	0.56	2 40	0 31	0 04	0.30	4 4	45	18.0	206	2.96	10 7	18.3	104	111	5 69	0.8	< 0 1	2.7	38.4	23.5
R20903	9.8	0 6	6	0.020	0 30	2 14	0 17	0 03	0.25	2.8	32	14.5	174	2.29	7.9	13.1	92 9	102	3 61	1.1	0.7	3 4	19 4	19.3
R20904	4 6	0 5	3	0.019	0 16	2.00	0 08	0.03	0.33	1.0	22	12.1	75	1.28	3.8	12.4	76 2	47 0	2 36	0.7	0 8	2 6	8 7	21.2

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Analyte Symbol	Li	Be	B	Na	Mg	Al	K	Bi	Ca	Sc	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Rb	Sr
Unit Symbol	ppm	ppm	ppm	%	%	%	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.1	0.1	1	0.001	0 01	0.01	0.01	0 02	0.01	0.1	1	0.5	1	0 01	0 1	0.1	0.01	0.1	0.02	0.1	0 1	0.1	0.1	0 5
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
R20905	17 7	0.8	3	0 029	0.62	2 84	0.31	0.05	0.23	6 0	44	30.2	239	2.96	8.9	16 9	117	112	6.48	1.5	0.7	2.8	41.3	20.8
R20906	5 0	0.3	2	0 021	0.18	0 63	0.07	< 0 02	0.26	1 0	10	6 3	61	0.44	3.9	9.7	62.5	63.4	1 77	0 5	0 6	2.0	8.9	21.8
R20907	7.1	0.2	2	0 023	0.25	0.74	0.11	< 0.02	0.28	1 2	16	9.5	88	0.69	3 9	9.0	29.1	57.1	2 33	0 4	0.6	1.8	11 6	20.5
R20908	11.2	0.4	7	0.029	0.40	1.36	0.19	0 04	0.32	1 8	29	17.3	130	1.46	6 4	19.6	100	71.5	3.61	0.7	0.5	2 5	25.3	21.9
R20909	13 1	0.9	4	0.024	0.53	2.26	0.19	0 05	0.26	3.5	45	23.0	241	2.95	7 8	12.7	99 2	100	5 01	1 2	0.7	3.1	25.1	21.8
R20910	6 2	0 2	6	0.024	0 23	1.03	0.10	0.04	0.34	0.8	18	16 1	122	0.83	4.5	14.5	50 7	61.3	2.40	0 4	0.9	1 8	10 6	22 8
R20911	6.6	0 2	10	0 024	0.26	1.25	0.14	0 03	0 31	0.8	18	9 2	101	1 36	4 5	9.2	57.6	72 9	2.64	0.7	< 0.1	2.3	14.6	16 1
R20912	11.8	0.4	3	0.032	0.49	1 29	0 26	0 04	0.40	3 8	36	39 5	189	2.15	15 9	20 2	135	129	4 60	0 9	0.4	2.5	25.5	28 4
R20913	10.6	0 4	2	0 034	0 45	1 24	0.23	0 02	0.39	4 2	36	41 6	169	1.90	11.3	15 8	123	124	4.33	0 9	0.9	1 8	21.7	31 5
R20915	9.2	0.4	4	0.026	0.38	1.26	0.18	0 03	0.38	2 4	31	21 5	148	1.51	7.4	13.5	67.6	92.1	3.61	0.6	< 0.1	1 6	16 2	28 5
R20916	10.4	0 3	5	0 034	0.51	1.11	0 20	< 0 02	0.47	3.5	28	23 1	164	1 97	8 0	18.5	68.3	101	4.52	0 8	1 0	2.0	19 4	32 8
R20917	6.8	0.4	7	0 026	0 29	1.47	0.15	0 03	0 34	2 1	43	15 1	190	2 92	7 2	10.9	75.3	130	3 20	0 6	0 6	1.8	13 8	23.3
R20918	6 6	0.3	1	0.030	0.41	1 14	0.21	0.02	0.26	2.4	34	35.5	144	2.84	5.5	11 8	68.9	61.3	3 82	0 3	0.1	1.3	16 5	13 2
R20919	5.0	0 6	10	0 024	0 21	2.23	0.11	0 05	0 34	1.8	29	10.7	109	3 71	6 3	15.0	92.2	83.3	2 58	0 9	0 6	2.7	10 2	18.5
R20920	9.1	0.3	5	0 026	0 49	1.23	0 15	0 02	0 40	2.4	29	52.4	137	1.88	8 9	33.3	66.7	97.7	3.36	0 6	< 0.1	1 9	13 3	21.2
R20921	3.4	0.3	8	0 020	0.15	1.70	0 07	0 03	0 33	1.0	23	9.4	74	1 61	4 0	14 8	55.2	79 8	2.31	0.6	0.6	2.5	5.9	17 4
R20922	6.6	0.3	9	0 030	0 32	1.43	0 18	0 02	0 35	2 6	26	16 8	117	2.00	5 7	17.3	81.1	90 5	3.23	0.8	0 4	1 7	16 5	18 1
R20923	6.2	0.4	4	0.021	0 28	1.66	0.13	0 04	0 27	2 5	32	22 5	284	2 53	5 7	11.5	80.2	107	3 02	0.7	0.4	2 1	11.0	14.5
R20924	7.8	0 4	2	0 024	0.36	1.12	0 18	0.02	0.27	2.3	31	29 0	163	1 60	5 8	10.6	40.5	83.8	3.51	0.5	0.8	1 7	14.1	14 9
R20925	10 6	0 5	2	0 029	0 50	1.57	0 25	0 04	0.29	3 4	38	32 3	239	2 29	7 7	15 9	59.9	91.0	4 62	0 7	0.8	1 7	22 4	18 8
R20926	16.9	0.6	2	0 030	0 67	1.86	0.40	0.05	0 34	5 1	54	27 1	278	3 32	10.2	17.8	72.0	114	7 09	0 7	< 0 1	0 9	36 4	29.0
R20927	10.1	0.3	4	0.021	0 37	1.29	0.22	0.03	0.37	2 5	19	8.7	120	1.13	5.7	17 3	67.0	81 4	3.68	0 7	0 3	1.4	22 6	29.8
R20928	5.7	< 0.1	< 1	0.023	0 26	0.47	0.12	0.02	0 25	0 7	15	61 3	120	1.12	4 1	6.0	9.13	24 3	2.61	< 0 1	< 0.1	0.2	9 9	24.3
R20929	4.2	0.3	15	0 019	0.20	1 71	0.11	0.03	0.36	1 0	24	11.1	111	1.93	5.9	11.2	104	76 2	2.60	0 9	1.1	2 7	10 6	17.4
R20930	8 0	0 7	6	0 027	0 32	1.72	0.17	0.05	0 27	1 6	38	18 3	272	2 62	8 8	18 2	128	160	3.78	1 0	1.2	3 3	17 5	20 7

Analyte Symbol	Y	Zr	Nb	Mo	Ag	Cd	In	Sn	Sb	Te	Cs	Ba	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	0.01	0 1	0.1	0 01	0.002	0.01	0.02	0 05	0 02	0.02	0.02	0.5	0 5	0 01	0.1	0.02	0 1	0.1	0 1	0 1	0 001	0 1	0 1	0 1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
R20800	25.2	2 5	1 9	2 25	0 274	0.67	< 0.02	0 30	0.13	0.05	0 33	72.4	196	330	50.1	171	20.8	2 8	13 3	1.2	6.02	1.0	2 6	0 3
R20801	62 9	1 2	0.7	4 64	0 511	0.39	< 0.02	0.26	0.05	0 03	0.22	33 8	292	408	79.4	305	42.3	6 3	28 5	2 6	13.0	2 3	5.6	0.7
R20802	74 2	2.8	2.6	12.6	0.356	0.72	< 0.02	0.44	0 05	0 05	0.77	53.3	434	723	117	443	57 1	8 5	38.0	3.3	15.8	2 8	7.0	1.0
R20803	65.1	3.9	1 9	14.0	0 591	0 40	< 0.02	0.34	0 04	0.03	1.33	64.3	254	444	77.4	290	41 6	5.6	27 3	2 7	14.1	2.6	6.5	0 9
R20804	57.0	5.5	2.6	12.7	0 375	0 28	< 0 02	0 60	0.03	< 0.02	1.04	125	275	452	73.8	265	36 3	4 8	24.3	2 3	11.9	2.2	5.6	0 7
R20805	57.4	2.2	1.5	3 45	0.438	0 44	< 0.02	0 40	0 06	0.04	0.62	42.1	280	397	71 3	259	35 6	5 0	24.4	2 4	11 8	2 1	5 3	0.7
R20806	87.2	1 8	1.0	29 4	0.255	0.79	< 0.02	0 33	0.05	< 0.02	0.90	74 1	413	718	102	375	50.5	7.3	35.7	3.3	16 4	3.0	7.9	1.1
R20807	79 5	2 0	1 0	25.7	0.278	0.74	< 0 02	0 27	0 04	< 0.02	0.71	53.5	376	770	87 6	325	43.5	6.4	32 9	3.0	15.6	2 8	7.3	1.0
R20808	39 0	1.7	1 0	7 43	0 355	0 29	< 0.02	0 21	0.04	< 0.02	0 48	46.7	193	321	54.1	203	27.6	3 8	18 9	1.8	8.80	1 5	3 6	0.5
R20809	68 5	3 8	1.9	8 55	0.169	0.14	< 0.02	0.47	0.04	< 0 02	1 70	89 1	274	477	77 8	289	40.6	6 4	28.5	2 7	13.3	2 4	6 3	0.9
R20810	34.4	2 6	1.2	2 50	0.313	0.39	< 0.02	0.34	0.05	< 0.02	0 97	70 7	159	254	42.2	156	22 0	3 4	15.0	1 4	7 00	1 2	3.1	0.4
R20811	34.7	2 5	0 9	10.2	0.069	0.08	< 0 02	0 89	0.06	< 0 02	0 90	76.5	162	364	48.9	179	23.6	3 4	15.7	1.4	6.90	1 3	3 4	0.5
R20812	62 8	3 3	1.7	12.8	0 236	0.38	< 0 02	0.38	0 04	0.03	0 95	103	315	412	79.7	279	36.5	5.1	24.7	2.4	11.9	2 2	5.7	0 8
R20813	41.5	7 2	2.8	4 47	0.248	0.28	< 0.02	0.55	0.03	< 0.02	1.31	91.7	185	241	48.7	179	24 4	3 8	16.9	1.6	8 07	1 4	3 7	0 5
R20814	43.8	2 4	1.4	5 04	0 375	0.32	< 0 02	0.25	0.04	< 0.02	0.78	40.1	195	299	48.7	176	24 4	3 8	17.1	1.6	8 15	1 5	3.8	0 5
R20815	52.0	2.5	1 7	2.04	0 250	0.31	< 0.02	0.31	0 02	< 0.02	0.61	42.0	262	409	66.5	244	32 4	4.5	22 2	2 1	10.5	1 9	4.8	0.6
R20816	41.7	7.9	2 8	5.16	0.192	0.63	< 0 02	0.56	0 04	0.02	1.06	120	218	317	58.7	212	28.0	4.0	18 6	1.8	8 85	1 6	4.0	0 5
R20817	50 9	4.1	2 0	6 84	0.208	0 44	< 0.02	0.56	0 04	0.03	1.16	118	249	403	62.3	220	29 5	4.3	21 5	2 0	9 99	1 8	4 7	0.7
R20818	36.4	3 0	2 2	3.98	0 149	0 36	< 0.02	0 47	0.03	< 0.02	0.69	89.3	163	268	41.1	148	19 9	2.8	14.1	1.3	6 84	1 2	3 2	0 4
R20819	54 4	2 5	1 3	4 53	0.287	0 58	< 0 02	0 29	0.04	< 0.02	0.52	73 3	259	326	65.0	233	30.4	4.2	20.8	2.0	10.5	1.9	5 0	0 7
R20820	69.8	2 6	1 3	2 94	0.465	0 32	< 0 02	0.25	0.03	0 03	0.55	55 6	362	453	93.6	343	46.8	6 4	32 0	3.1	16.1	2.6	6.5	0.8
R20821	51.6	1.7	1.1	8 80	0.321	0 37	< 0 02	0 20	0.03	< 0.02	0 58	43 9	239	350	61 0	221	29.9	4 0	20.7	1 9	9.78	1 8	4.5	0.6
R20822	52.1	2 8	1.1	7.11	0.349	0.44	< 0 02	0.20	0.03	< 0.02	0 56	34 0	258	337	65.4	236	31.4	4 0	20.7	2.0	10 1	1.9	4.7	0.6
R20823	54.0	3.9	1 6	9 38	0.261	0 58	< 0 02	0 31	0 05	< 0.02	0 71	52.0	245	294	66.9	249	33.2	4 3	21.8	2.2	11 0	2 0	5 2	0 7
R20824	4.32	2 8	3 3	3 00	< 0 002	0.05	< 0 02	0.51	< 0.02	< 0.02	0.50	29.8	23.7	50.3	5.3	18.3	2.9	0 5	2.1	0.2	1.21	0 2	0.5	< 0 1
R20825	99.8	5 0	2 4	4 63	0.551	0 42	< 0.02	0.63	0 03	< 0.02	0.92	125	512	728	116	401	55 4	6 8	41 6	4.1	20 1	3 7	9.3	1 2
R20826	30.6	2 6	1 6	3 97	0.142	0.14	< 0.02	0 43	0 03	< 0.02	0.58	64 3	141	255	38.1	136	18.2	2.6	12 7	1.2	6 01	1 1	2.8	0 4
R20827	16.5	5.5	1.5	2 89	0 075	0 05	0.02	0.71	0 02	< 0 02	1.10	140	85.6	161	23.3	81.8	11.2	1 6	7 5	0.7	3.71	0.7	1 7	0 2
R20828	13 2	7 7	1 9	2 13	0.110	0 20	0.02	0 77	0 02	0.03	1.13	177	80 4	146	19 3	66 8	8 8	1.3	6 3	0.6	2.99	0 5	1.4	0 2
R20829	20.8	6 5	2.8	3 25	0.144	0 29	< 0.02	0 67	0.03	< 0.02	1.08	155	114	170	30.4	109	14 2	2.1	9 6	0 8	4.20	0 7	1 9	0.3
R20830	19.3	5 4	1 9	1 61	0.163	0.23	0.03	0.75	0.03	0.04	1.23	214	103	184	27.4	96.0	12 7	1.9	8 8	0 8	4.11	0 7	1.9	0.3
R20831	28.0	2 9	1 3	3.56	0 255	0.80	< 0.02	0 35	0 02	< 0.02	0 66	105	140	247	35.8	126	16 7	2.5	12.0	1 1	5 33	1 0	2.5	0.3
R20832	56 8	3 5	1 2	3 00	0 316	0.47	< 0.02	0 24	0 04	< 0 02	0 51	58.4	269	398	73.5	271	36 5	5.2	23.7	2.2	10.9	2.0	5 1	0 7
R20833	38.4	3 5	1 6	3.74	0 428	0.32	< 0.02	0 37	0 03	< 0.02	0 82	106	178	245	44.7	156	20.1	3 0	14.0	1 3	6 93	1.3	3.4	0 5
R20834	21.4	4 2	1.6	3 31	0.156	0 07	< 0 02	0 46	0.04	< 0 02	0 89	105	115	192	34.2	124	16.3	2.3	10.2	0.9	4.63	0.8	2 1	0 3
R20835	23.6	5 9	1.3	5 66	0.243	0 42	< 0.02	0.34	0.03	0.02	0.52	29 5	161	208	41 6	146	17.6	2 4	11.4	1.0	4 48	0 8	2 1	0 3
R20836	38.7	2.4	1.0	3 22	0.291	0.58	< 0.02	0 25	0.05	< 0.02	0.43	62.5	257	401	64 4	226	27 0	3 6	18.2	1.6	7.29	1 3	3 3	0.5
R20837	13 3	2 8	1 3	2.18	0.159	0 18	< 0 02	0 41	0.02	< 0 02	0.54	111	72.9	125	18.9	65.1	8 4	1 2	5 5	0.5	2.66	0.5	1 3	0 2
R20838	10.5	5 9	2.2	1 49	0.084	0.16	0.02	0.78	0.02	0 04	0 77	164	56.2	103	13 6	46.7	6.3	0 9	4.5	0 4	2.24	0 4	1.0	0 1
R20839	19.9	5 1	1.6	2 26	0.138	0.13	< 0 02	0 58	0 02	0.05	0 85	147	101	186	26.5	93 3	12 7	1.9	8.9	0.9	4.20	0 8	2.0	0 3
R20840	16 0	3 9	1.8	1 85	0.165	0 25	< 0 02	0.41	< 0.02	0.03	0.53	105	88 1	132	21 3	73.5	9 4	1 4	6.5	0 6	3.06	0 5	1.5	0.2
R20841	41.7	3 2	1.3	2 82	0.162	0.22	< 0.02	0 44	0 02	< 0 02	0.73	114	172	365	52.0	189	25 6	4 0	18 2	1.8	8.69	1.6	4.2	0.6
R20842	32.2	3 5	1.6	2.60	0.200	0 36	< 0.02	0 44	0 03	< 0.02	0 63	105	157	313	42 8	152	20.3	3 0	14.4	1 3	6.75	1 2	3.2	0.4
R20843	39 6	6 5	1.6	5.24	0.367	0 46	< 0 02	0.42	0.03	0.05	0.65	151	224	358	54 0	184	23.9	3 6	17.1	1.6	7.63	1.4	3 6	0.5
R20844	40 9	6 4	2.1	1.61	0.320	0.30	< 0 02	0.46	0.03	0.03	0 85	90.9	203	276	46.6	162	21 5	3.1	15 4	1.5	7.46	1 4	3 6	0.5
R20845	19 8	4.4	2 0	1.72	0.105	0.21	< 0 02	0 45	< 0.02	< 0 02	0.65	105	128	183	28 1	93 3	11.3	1.6	7 9	0.7	3 61	0 7	1 7	0 2
R20846	23 4	1.8	0.7	0 58	0.119	0.14	< 0.02	0 16	0.02	< 0 02	0.31	55.5	127	182	31.2	110	15 2	2 2	11.1	1.1	5.24	0 9	2 2	0 3
R20847	25.7	2.8	1 0	0 87	0.151	0.17	< 0.02	0 23	0 02	< 0 02	0.37	76 8	121	196	31 7	112	15.8	2 3	11.4	1.1	5.31	1.0	2.4	0.3
R20848	25.5	4 6	1.5	0.68	0.208	0 29	< 0.02	0 34	0 03	< 0 02	0.70	81.4	119	181	30 9	110	14.9	2 1	10.4	1.0	4 86	0.9	2 3	0.3
R20849	64.1	2 3	1.0	1.96	0.310	0 42	< 0 02	0 28	0 05	< 0 02	0.47	45.3	274	425	72.2	268	37.3	5 7	27.3	2 7	13 3	2 3	5 9	0.8
R20850	15.6	6 2	1.9	1.52	0 095	0 06	< 0.02	0.60	0 02	< 0.02	0.79	157	82 8	156	19.8	68.0	9 4	1.5	6.8	0.7	3 36	0.6	1.5	0.2
R20851	53 9	2 5	1.0	6 00	0.324	0.48	< 0 02	0.23	0.03	0.02	0.43	62.8	250	392	65.7	237	31.7	5 0	22.8	2.1	10 5	1 9	4.8	0.6

Analyte Symbol	Y	Zr	Nb	Mo	Ag	Cd	In	Sn	Sb	Te	Cs	Ba	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	0 01	0.1	0.1	0.01	0.002	0.01	0.02	0.05	0 02	0.02	0 02	0.5	0 5	0.01	0.1	0.02	0.1	0.1	0.1	0 1	0.001	0.1	0.1	0.1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
R20852	29.4	2 4	1.3	0 89	0 121	0 20	< 0.02	0 31	0.04	< 0.02	0 61	78 4	142	249	40.6	153	20.9	3.2	14 3	1 3	6.07	1.0	2.5	0 3
R20853	20.5	6.5	2.5	3.85	0.198	0.38	< 0.02	0.61	0 05	0,03	1 00	107	119	196	30.5	106	13 3	1.9	8.8	0 8	4.07	0.7	1.9	0 3
R20854	25.9	2.6	1 3	3.73	0.170	0.49	< 0.02	0 37	0 03	< 0.02	0.57	103	126	268	34.0	121	15 5	2 3	11 0	1 0	4.90	0.9	2 3	0 3
R20855	3.43	2.5	2.5	2 89	0.031	0 04	< 0.02	0 44	< 0 02	< 0.02	0 46	28.4	19.5	42.6	4 4	14.9	2 4	0.4	1 7	0 2	0.926	0.2	0 4	< 0.1
R20856	55.8	5.9	1.6	1 88	0.377	0.38	< 0.02	0 34	< 0 02	0.03	0.74	77.4	288	455	83.9	323	45 1	6.8	29.7	2.6	12.6	2.2	5 3	0.7
R20857	44.3	3.3	1 8	2 33	0.198	0.30	< 0.02	0 37	0 03	< 0.02	0.66	65.7	245	331	63.0	225	29.5	4.4	19.4	1 8	8.74	1.5	3 8	0 5
R20858	41 6	2 9	1.3	2 52	0.269	0 68	< 0.02	0.35	0.03	< 0 02	0 68	98 5	209	330	54 1	195	25.6	3 9	17 7	1.6	8.13	1.4	3 7	0 5
R20859	47.2	3 5	1.1	4.30	0 226	0.66	< 0 02	0 40	0 04	< 0.02	0 80	83 8	268	426	66.3	233	29 8	4.4	20.8	1.9	9.03	1.6	4.2	0.6
R20860	69 5	3.9	1.9	3 20	0 399	0.56	< 0.02	0.39	0 03	< 0.02	0.73	71.1	336	582	84 8	311	43.7	5.9	30.6	2.9	14 4	2.6	6.6	0 9
R20861	38.0	5.6	2.3	3 87	0.176	0.31	< 0.02	0.61	0.02	0 05	0.96	136	209	324	55.9	194	25.4	3 4	16.9	1.6	7 92	1 4	3 8	0.5
R20862	33.2	2.7	1 5	2 70	0.294	0 33	< 0.02	0 25	0.03	0 03	0.29	58 5	278	402	68 2	237	28.4	3 6	18.5	1 6	7 57	1.3	3 1	0 4
R20863	38.6	6 0	2.9	4.48	0 208	0 22	< 0.02	0 58	< 0 02	< 0 02	0.75	86 5	199	258	58.8	211	28.0	3.5	18 4	1 7	8 44	1 5	3.7	0.5
R20864	23.9	5 6	2.9	4.35	0 168	0.29	< 0.02	0 59	0 02	< 0.02	0 82	133	156	203	39.5	137	16.9	2 2	10 8	1 0	4.92	0.9	2 3	0.3
R20866	45 6	3.5	2.3	2 84	0 232	0.38	< 0.02	0.47	0 03	< 0.02	0.63	94 0	250	600	60.2	207	27 2	3 8	20.9	2 0	10 1	1.7	4 5	0.6
R20867	53.6	4.5	1.7	1.76	0 446	0.34	< 0.02	0.31	0 03	< 0 02	0.62	45.3	334	398	80.6	282	36 5	4 7	24.7	2 4	11.3	1.9	4.9	0.6
R20868	53.5	2.9	1.2	1.26	0 331	0.32	< 0.02	0.24	< 0 02	< 0.02	0 47	53.3	244	323	63 2	227	30.4	4.6	21.6	2 1	10.3	1.8	4.7	0 6
R20869	79.7	4.8	1.8	4 79	0.435	0.55	< 0.02	0.30	0 04	< 0.02	0.51	39 0	386	535	99 6	367	48.0	6 6	33 0	3 1	15.9	2.9	7.5	1.0
R20870	53.3	2.5	1.3	2 75	0 415	0.39	< 0.02	0 20	< 0.02	< 0 02	0 30	65 6	350	541	85.1	304	38.2	5 1	26 1	2 4	11.7	1 9	4.8	0.6
R20871	55.0	2 2	1 1	2 81	0 233	0.50	< 0.02	0 22	0 05	< 0 02	0.40	80 6	288	404	73 9	266	35 2	4.7	24 0	2 2	10.9	1 9	4 8	0.7
R20872	46.1	2.8	1 6	4 01	0 170	0.39	< 0.02	0 36	0 02	0.03	0 56	62 6	240	306	59.2	209	27.3	3 8	18.4	1 7	8.36	1 5	3 9	0 5
R20873	57.9	4.8	1 7	3 27	0 310	0 37	< 0.02	0.38	0 03	< 0.02	0.93	84 5	269	375	80.9	295	41.2	5.8	26.4	2 6	12.5	2 2	5 7	0 8
R20874	42.5	2.7	1.4	2 76	0.230	0.44	< 0.02	0.33	0.04	< 0.02	0.42	49.2	230	332	61.4	225	30.1	4.5	20.9	2 0	9.11	1.6	3 9	0.5
R20875	73.1	2.5	1.0	6.60	0.324	0 68	< 0.02	0.21	0 03	< 0.02	0.43	47 2	340	406	81.0	289	39.2	6.1	27.9	2 8	13.3	2.4	6 3	0 8
R20876	33.2	1 7	0 6	3 26	0.035	0.05	< 0.02	0.22	0 03	< 0.02	0.32	25 3	122	178	35.1	126	17.1	2.7	11.8	1.2	6 07	1 1	2.9	0.4
R20877	51.0	4 0	1.5	2 05	0.421	0.34	< 0.02	0.34	0 02	< 0.02	0.63	61 2	269	412	66 4	236	31 3	4.6	22.5	2 1	10 5	1 8	4.6	0 6
R20878	80.9	4 2	1.3	4 12	0 560	0.80	< 0 02	0.48	0.03	< 0 02	0.54	51 1	435	582	101	357	47.7	6 9	34.8	3 4	16.4	2 9	7.5	1 0
R20879	23 7	3 2	1.9	1 85	0.115	0.19	< 0.02	0 51	0 02	0 03	0 62	71 8	125	181	29 5	103	13 4	2 0	9 7	0 9	4.43	0 8	2 0	0.3
R20880	49.3	5 4	1 6	1 42	0.294	0.47	< 0.02	0 34	0 03	< 0.02	0.64	101	291	317	69 6	244	30 8	4 2	20.1	1 9	9 27	1.7	4.4	0 6
R20881	37 3	1 9	0.7	0 88	0.259	0 22	< 0.02	0 19	0.04	< 0.02	0 37	46 3	223	189	52 4	173	21 0	2.7	13.1	1.3	6 52	1 2	3.1	0.4
R20882	34.8	6.6	1.9	1 51	0.220	0.37	< 0.02	0 43	0.03	0 02	0.77	78.0	239	324	58 6	199	24 3	3 0	16 3	1 5	7 26	1.3	3 3	0.4
R20883	23.1	3.6	1.5	2 78	0.205	0.62	< 0.02	0 46	0.03	< 0.02	0.68	89 1	178	193	44 9	155	18 8	2.3	11 5	1.0	4.65	0 8	2 1	0 3
R20884	47.9	1.7	1.2	2 17	0.379	0.46	< 0.02	0.26	0.04	< 0.02	0 35	43 2	250	400	60 7	217	29.7	3.8	21 2	2.1	10.0	1.7	4.1	0 5
R20885	41.9	3.9	1 3	1 62	0.416	0.40	< 0 02	0.25	0.03	< 0.02	0.45	65.0	254	368	59 4	201	24 4	3.2	17 4	1 6	8.16	1 5	3 8	0 5
R20886	3.65	2.8	2 8	3 03	0.002	0.04	< 0.02	0.47	< 0 02	< 0.02	0.47	29 9	20.5	44.3	4.6	15.6	2.4	0.4	1.8	0 2	0 977	0 2	0 4	< 0.1
R20887	34.5	6 6	2.7	1 69	0 342	0.30	< 0.02	19 4	0 02	< 0.02	1.01	187	157	257	42.0	150	20.5	2.8	14.4	1 4	7.04	1.2	3 2	0.4
R20888	62.6	4 4	1 7	3 12	0.319	0 60	< 0.02	0.39	0 05	< 0.02	0.66	83 8	335	517	81.2	288	38.1	4.8	27.4	2.6	12.4	2 1	5 3	0 7
R20889	34.3	2 7	0.8	1 32	0.186	0 28	< 0 02	0 18	0.03	< 0.02	0.27	46 0	229	305	64 1	234	29.3	4 0	17.8	1.6	7.43	1.3	3.1	0 4
R20890	86.6	4 2	1 4	8.70	0.387	0.37	< 0 02	0 28	0 04	< 0 02	0.48	49 2	378	412	88 6	309	41 2	5 6	29 9	3.2	15.6	2 9	7 7	1 0
R20891	50.9	3 6	1.3	1.93	0.260	0.30	< 0.02	0 34	0 04	< 0 02	0 74	74 9	230	259	56 8	200	27.3	4 1	19 8	2 0	9.84	1.8	4 5	0 6
R20892	55.4	2 9	1 2	2 05	0 304	0.52	< 0.02	0.31	0 05	< 0 02	0.47	47.2	297	327	68.2	237	30.1	4.6	21.0	2 0	9.62	1.7	4 4	0.6
R20893	55.5	3.2	1 3	4.07	0 338	0.35	< 0.02	0.31	0 04	< 0 02	0.64	57 4	271	338	66.4	240	32.0	5.0	22.4	2 2	10.5	1 9	4 8	0.7
R20894	51.6	9.0	2.0	5 82	0.308	0 13	< 0.02	0.55	0 04	< 0.02	1.08	66.3	212	349	68.3	264	41 2	6 3	26.0	2 6	12.5	2 2	5 5	0.8
R20895	43.9	6.1	2 1	14 2	0.324	0 32	< 0.02	0.44	0 04	0.04	1.50	69 5	202	346	62 2	234	32.3	4 6	21 9	2.1	10.1	1.8	4 6	0.6
R20896	25.4	7 8	2.7	4.34	0 131	0.23	0.02	0.87	0.04	< 0.02	1.30	188	137	217	37 8	133	17.1	2 4	11 4	1.1	5.39	0.9	2 4	0 3
R20897	20.2	7.4	2 8	2 62	0 108	0,19	0.02	0 84	0.03	0.04	1 12	178	108	182	30.6	108	14.2	2 0	9 4	0.9	4.45	0 8	2 0	0 3
R20898	43.7	4 9	1.7	2 30	0 205	0.49	< 0.02	0.36	0 03	0.03	0 54	84 7	244	270	64 2	227	29.2	3 9	18 4	1 8	8.59	1 5	4 0	0 6
R20899	36.2	3.1	1.3	3 78	0 080	0.04	< 0.02	0.38	0.03	< 0 02	0.51	65 0	158	301	50.8	184	24 3	3.4	16.2	1.6	7.79	1.4	3 7	0 5
R20900	42.0	3.1	1.7	3 96	0 247	0 35	< 0.02	0.43	0 04	< 0.02	0.55	67.7	193	333	54 2	195	26 6	3 7	18.3	1.9	8.89	1.5	4 0	0 5
R20901	51 9	2.2	1.2	2.15	0 386	0.59	< 0.02	0 25	0.04	< 0.02	0.42	22.7	253	436	65 2	227	30 7	4 4	21.1	2.1	10.5	1.8	4.7	0 6
R20902	58.6	7.6	2 7	3 91	0.468	0.38	< 0.02	0 51	< 0 02	< 0 02	0.90	136	269	453	68 7	240	32.2	4.5	23 0	2.4	12.3	2.2	5.7	0.8
R20903	73.0	4.1	1 7	2.92	0 406	0.54	< 0.02	0.31	0 02	< 0 02	0.55	102	383	664	93.0	337	45.1	6.1	33.5	3.2	15.6	2 8	7 0	0.9
R20904	49.6	2 1	1 0	1 86	0 281	0.51	< 0.02	0.19	0.03	< 0 02	0.29	38.3	276	475	65 5	229	30.2	4.1	21 9	2.0	9.91	1.7	4 3	0.6

Analyte Symbol	Y	Zr	Nb	Mo	Ag	Cd	In	Sn	Sb	Te	Cs	Ba	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	0 01	0 1	0 1	0.01	0 002	0.01	0 02	0 05	0 02	0.02	0.02	0 5	0 5	0 01	0 1	0 02	0 1	0 1	0.1	0 1	0 001	0.1	0 1	0 1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
R20905	85 4	9 5	2 6	2.99	0.223	0 11	0.02	0 58	0 03	< 0.02	1.12	62.2	324	632	115	447	66 9	9.3	43 9	4 3	20.6	3 6	9.5	1 4
R20906	33 1	2 8	0.7	0 88	0.223	0 47	< 0 02	0 17	0.03	< 0 02	0.39	49 3	204	189	46.3	163	20 7	2.8	13.0	1 3	6 06	1 1	2 9	0 4
R20907	31 0	2.1	1 1	1 10	0.128	0 22	< 0.02	0 25	< 0.02	< 0 02	0.34	57.6	156	169	38 8	137	18 0	2 5	12 3	1 2	5.84	1.0	2 6	0 3
R20908	44 4	3.9	1 6	1 87	0.320	0 37	< 0.02	0 34	0.05	< 0 02	0.71	69.5	228	264	58.3	203	26 7	3 6	17 9	1 8	8.64	1.5	4 0	0 5
R20909	63.4	4.5	1.9	5 18	0 338	0.37	< 0.02	0 41	0.04	< 0.02	0.78	82.9	331	560	101	377	50 8	6.8	32.3	3 0	14 2	2.5	6 4	0 9
R20910	25.5	1 8	1 0	1 90	0.221	0.37	< 0.02	1 01	0.05	< 0.02	0.34	47 6	165	232	38.9	131	16.0	2 2	10.7	1 0	4 84	0 9	2 2	0 3
R20911	35 4	2 1	0.9	1 65	0 424	0 33	< 0 02	0 23	0.03	< 0.02	0.42	60 0	321	381	70.1	229	26.4	3 1	16 9	1.5	7 26	1 3	3 1	0 4
R20912	27 0	7.7	1 9	19 0	0.353	0 46	< 0 02	0.43	0 05	< 0.02	0 58	34.8	317	319	80 0	273	30.1	3.5	16 5	1.3	5 75	1 0	2 5	0.3
R20913	26 0	7 2	1 8	9 42	0 233	0 36	< 0.02	0.37	0.04	0.02	0.47	66.3	350	364	86 9	288	30 5	3.4	16.4	1.3	5.53	0 9	2 4	0.3
R20915	18 4	3 6	1.4	4 00	0 226	0 34	< 0 02	0 35	0.02	< 0.02	0 41	99.5	240	360	59 2	196	20.5	2 4	11 7	0 9	4.21	0.7	1.8	0 2
R20916	17.9	5 6	2.0	2 22	0.310	0 40	< 0.02	0.39	0.02	< 0.02	0 42	30 9	417	454	89.0	277	26.4	2 8	16 3	1.1	4 32	0 7	1.6	0.2
R20917	18.1	3 2	1.1	7 32	0.225	0.44	< 0 02	0 39	0.03	< 0.02	0.32	82 0	254	358	59.4	190	19 6	2.3	11 6	0.9	3 89	0.7	1 7	0.2
R20918	10.4	2 3	1 2	4 78	0 064	0.15	< 0 02	0 36	0.02	< 0.02	0.26	86.1	115	157	29 9	95.9	10 5	1 3	5.7	0.5	2 29	0.4	1 0	0.1
R20919	21.1	2.9	1 1	2 57	0 503	0 50	< 0.02	0 25	0.04	< 0.02	0.26	52 5	364	598	85 8	280	28 7	3.2	17.1	1 3	5 41	0 9	2 1	0.3
R20920	19.5	3.3	1.6	3.68	0 255	0 44	< 0.02	0 33	0.02	< 0.02	0.28	78 4	245	322	58 8	192	21.0	2.2	12.8	1.1	4 67	0.8	1 9	0 2
R20921	16.7	1.8	0.9	1 98	0 259	0.41	< 0.02	0 21	0.02	< 0.02	0.20	42.4	235	385	58 0	192	20 4	2.0	11.8	0 9	3 96	0.6	1 5	0.2
R20922	18.7	3.4	1 2	3.15	0 440	0.37	< 0.02	0 26	0.03	< 0.02	0 29	58 8	300	415	75 6	258	27 3	2.8	15.4	1.1	4.72	0.7	1.8	0 2
R20923	21 2	2.3	1 1	5.92	0.258	0.75	0.03	0.47	0.08	< 0.02	0.28	60.9	275	515	71.3	237	25 9	2.7	15 2	1 2	5 25	0 9	2 1	0.3
R20924	13 4	2 9	1 4	2 58	0.094	0.42	< 0.02	0.34	< 0 02	< 0.02	0 30	80.0	181	299	44 5	143	15.2	1 6	9 0	0 7	3 17	0.5	1.3	0 2
R20925	19 1	3 9	1 6	6 06	0.160	0.29	< 0.02	0 45	< 0.02	< 0.02	0.47	108	233	388	53.3	209	22 8	2 4	13 2	1 1	4.59	0 7	1 8	0 2
R20926	18 0	6 8	2 3	4 58	0.107	0.13	0.02	0.64	< 0 02	< 0 02	0 75	107	188	303	61 9	221	25.1	2 8	12 8	1 0	4.47	0 7	1 9	0 3
R20927	14.1	7 2	1.6	0.78	0 260	0 30	< 0 02	0 32	0.03	< 0 02	0.46	35.4	248	360	65.6	223	24.0	2.5	12.8	1.0	4 08	0 7	1 5	0 2
R20928	2 87	2.6	2.4	3.88	< 0.002	0 03	< 0.02	0 36	< 0 02	< 0 02	0.38	32.7	15.8	34 6	3 6	12 2	1.9	0.3	1 4	0.2	0 794	0 1	0 3	< 0.1
R20929	21.6	2 2	0.9	2 88	0 485	0 43	< 0 02	0 23	0 03	< 0.02	0.24	72 8	397	585	92 5	311	31 4	3 4	17 8	1.2	5.28	0 9	2 0	0 3
R20930	48.7	2.8	1.0	7 60	0 352	1 22	< 0.02	0 34	0 05	0.03	0.56	92.2	388	536	91 2	315	36.7	4 6	22.9	2.0	9 20	1 6	4.3	0 6

Analyte Symbol	Yb	Lu	Hf	Ta	W	Re	Au	Tl	Pb	Th	U	LOI
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	%
Detection Limit	0.1	0.1	0.1	0.05	0.1	0.001	0.5	0.02	0.01	0.1	0.1	
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	GRAV
R20800	2.1	0.3	0.1	< 0.05	0.1	0.002	6.4	0.23	4.21	4.6	3.1	34.39
R20801	4.0	0.6	0.1	< 0.05	< 0.1	0.006	8.0	0.21	2.76	1.3	22.3	44.42
R20802	5.7	0.9	< 0.1	< 0.05	< 0.1	0.010	4.1	0.48	10.2	6.1	135	24.21
R20803	5.2	0.7	< 0.1	< 0.05	< 0.1	0.009	7.5	0.41	10.9	6.3	8.5	32.98
R20804	4.4	0.6	< 0.1	< 0.05	< 0.1	0.018	5.6	0.42	8.97	15.8	6.7	20.15
R20805	3.9	0.5	< 0.1	< 0.05	< 0.1	0.005	3.5	0.11	5.96	3.0	5.6	32.41
R20806	6.2	0.9	< 0.1	< 0.05	< 0.1	0.016	3.2	0.55	6.56	3.2	41.6	26.27
R20807	5.7	0.8	< 0.1	< 0.05	< 0.1	0.009	0.7	0.75	5.15	2.7	37.1	25.12
R20808	2.4	0.3	< 0.1	< 0.05	< 0.1	0.004	3.6	0.25	4.12	1.6	8.0	35.63
R20809	5.2	0.8	< 0.1	< 0.05	< 0.1	0.005	< 0.5	0.20	7.01	5.0	26.2	19.03
R20810	2.4	0.4	< 0.1	< 0.05	< 0.1	< 0.001	< 0.5	0.19	5.77	2.3	4.4	30.78
R20811	2.9	0.4	< 0.1	< 0.05	< 0.1	0.002	< 0.5	0.20	9.58	2.7	14.2	13.97
R20812	4.5	0.7	< 0.1	< 0.05	< 0.1	0.005	1.5	0.23	6.55	6.4	19.0	23.77
R20813	2.9	0.5	< 0.1	< 0.05	< 0.1	0.002	1.2	0.36	8.30	11.8	3.6	22.56
R20814	3.0	0.5	< 0.1	< 0.05	< 0.1	0.002	3.5	0.19	4.79	3.4	5.0	35.99
R20815	3.5	0.5	< 0.1	< 0.05	< 0.1	0.002	1.6	0.18	4.68	3.4	6.3	30.27
R20816	3.2	0.5	< 0.1	< 0.05	< 0.1	0.006	1.8	0.43	7.12	10.6	10.8	22.87
R20817	3.9	0.6	< 0.1	< 0.05	< 0.1	0.006	2.1	0.34	7.53	10.5	10.9	18.80
R20818	2.6	0.4	< 0.1	< 0.05	< 0.1	0.003	2.3	0.21	5.12	4.5	5.1	16.06
R20819	3.8	0.6	< 0.1	< 0.05	< 0.1	0.005	< 0.5	0.20	3.81	2.2	7.4	33.75
R20820	4.8	0.7	< 0.1	< 0.05	< 0.1	0.005	3.3	0.23	3.55	2.3	4.9	36.82
R20821	3.7	0.5	< 0.1	< 0.05	< 0.1	0.004	3.4	0.22	5.59	1.3	82.6	37.55
R20822	3.8	0.5	< 0.1	< 0.05	< 0.1	0.008	1.3	0.20	3.46	2.5	30.8	37.68
R20823	4.1	0.6	< 0.1	< 0.05	< 0.1	0.014	< 0.5	0.18	4.91	5.2	14.6	30.01
R20824	0.4	< 0.1	< 0.1	< 0.05	0.1	< 0.001	< 0.5	0.08	4.37	7.5	0.9	2.64
R20825	7.2	1.0	< 0.1	< 0.05	< 0.1	0.007	3.8	0.46	7.50	15.5	5.1	25.70
R20826	2.2	0.3	< 0.1	< 0.05	< 0.1	< 0.001	1.5	0.16	5.31	4.2	4.8	12.23
R20827	1.5	0.2	< 0.1	< 0.05	< 0.1	0.001	1.1	0.30	8.05	15.2	4.4	5.41
R20828	1.1	0.2	< 0.1	< 0.05	0.1	0.002	0.7	0.35	8.66	16.1	2.9	5.17
R20829	1.6	0.3	< 0.1	< 0.05	0.1	0.002	< 0.5	0.30	7.38	10.0	3.8	12.82
R20830	1.5	0.2	< 0.1	< 0.05	< 0.1	0.001	3.2	0.34	9.39	13.2	3.2	9.49
R20831	2.1	0.3	< 0.1	< 0.05	< 0.1	0.002	2.9	0.30	5.15	4.9	3.6	19.07
R20832	4.1	0.6	< 0.1	< 0.05	< 0.1	0.004	3.7	0.14	4.26	3.8	6.6	30.56
R20833	2.8	0.4	< 0.1	< 0.05	< 0.1	0.001	1.4	0.22	6.15	5.0	4.6	22.69
R20834	1.8	0.3	< 0.1	< 0.05	< 0.1	0.001	2.8	0.17	6.69	4.6	6.6	14.36
R20835	1.8	0.3	< 0.1	< 0.05	< 0.1	0.004	2.0	0.19	4.12	5.1	5.4	30.52
R20836	2.6	0.4	< 0.1	< 0.05	< 0.1	0.005	1.5	0.15	5.11	2.0	4.9	29.60
R20837	1.1	0.2	< 0.1	< 0.05	< 0.1	< 0.001	2.1	0.17	4.83	4.4	1.9	8.42
R20838	0.9	0.1	< 0.1	< 0.05	< 0.1	0.001	3.6	0.25	6.17	8.1	1.5	6.52
R20839	1.6	0.2	< 0.1	< 0.05	< 0.1	0.001	4.3	0.25	6.68	11.9	2.7	7.29
R20840	1.2	0.2	< 0.1	< 0.05	< 0.1	0.002	< 0.5	0.18	4.38	5.5	1.7	12.57
R20841	3.6	0.5	< 0.1	< 0.05	< 0.1	0.003	1.1	0.17	6.10	5.5	3.3	16.97
R20842	2.6	0.4	< 0.1	< 0.05	< 0.1	0.002	3.0	0.20	5.52	6.9	3.4	12.67
R20843	3.1	0.5	< 0.1	< 0.05	< 0.1	0.004	1.8	0.34	5.46	14.2	3.5	17.93
R20844	2.9	0.4	< 0.1	< 0.05	< 0.1	0.001	2.6	0.26	5.62	6.8	2.3	23.17
R20845	1.4	0.2	< 0.1	< 0.05	< 0.1	0.002	2.3	0.24	5.24	7.0	2.0	12.60
R20846	1.5	0.2	< 0.1	< 0.05	< 0.1	0.001	1.6	0.13	2.14	1.7	1.7	21.02
R20847	1.8	0.3	< 0.1	< 0.05	< 0.1	0.001	3.1	0.17	2.96	2.5	1.7	20.10
R20848	1.9	0.3	< 0.1	< 0.05	< 0.1	0.002	< 0.5	0.19	4.66	4.1	1.7	21.04
R20849	4.4	0.6	< 0.1	< 0.05	< 0.1	0.003	3.5	0.18	5.34	2.7	6.6	34.76
R20850	1.2	0.2	< 0.1	< 0.05	< 0.1	0.001	3.2	0.23	6.41	11.7	1.6	4.01
R20851	3.8	0.6	< 0.1	< 0.05	< 0.1	0.003	2.1	0.16	4.17	3.1	5.2	30.25

Analyte Symbol	Yb	Lu	Hf	Ta	W	Re	Au	Tl	Pb	Th	U	LOI
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	%
Detection Limit	0 1	0.1	0 1	0 05	0.1	0.001	0.5	0.02	0 01	0.1	0 1	
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	GRAV
R20852	1.8	0 2	< 0.1	< 0.05	< 0.1	0.002	1 4	0.24	4 09	2.3	2.7	23 06
R20853	1 6	0 2	< 0 1	< 0.05	< 0.1	0 002	1 7	0 31	7 53	8.5	3.5	15 70
R20854	1 9	0 3	< 0 1	< 0.05	< 0.1	0.002	0.6	0 19	4 66	3.1	4 3	18.67
R20855	0.3	< 0.1	< 0 1	< 0.05	0 6	0 001	2.2	0 07	3 81	6.8	0.7	2.35
R20856	4.0	0.6	< 0 1	< 0 05	< 0 1	0.004	5.2	0.30	4.53	8 8	8.3	32 82
R20857	2.9	0.4	< 0.1	< 0 05	< 0.1	0.003	2.4	0 20	4 98	4.1	5.7	36.50
R20858	2 9	0 5	< 0 1	< 0 05	< 0.1	0.003	3 6	0 18	4.93	2.8	5.1	27.03
R20859	3.4	0 5	< 0 1	< 0.05	< 0.1	0.004	2 7	0 63	6 54	6.1	5.3	22 37
R20860	5.3	0.7	< 0.1	< 0.05	< 0.1	0.005	3.9	0 19	5.74	4.5	6.7	28 73
R20861	3.1	0.5	< 0 1	< 0 05	< 0 1	0 004	5 4	0 33	6.96	13 3	6.0	11.35
R20862	2.3	0 3	< 0 1	< 0.05	< 0.1	0 004	5 7	0 24	3 39	5.5	5 6	36.67
R20863	3.0	0 4	< 0.1	< 0 05	< 0 1	0.002	3 3	0 29	6 43	14.6	5 9	17 20
R20864	1.7	0 3	< 0 1	< 0 05	< 0 1	0.006	3.2	0 28	6 22	13 2	29.2	12 28
R20866	3.6	0.5	< 0 1	< 0 05	< 0.1	0.002	3 8	0 34	5.73	9 4	4 5	26 70
R20867	3.6	0 5	< 0 1	< 0 05	< 0.1	0.004	1 9	0 26	4 13	5 9	2 7	39.01
R20868	3.6	0 5	< 0 1	< 0 05	< 0.1	0.002	3 3	0 23	3 21	3 9	2.2	36 47
R20869	5.9	0.9	< 0.1	< 0 05	< 0 1	0.007	4 4	0 31	5 19	5 4	4 9	40 64
R20870	3.6	0.5	< 0 1	< 0 05	< 0.1	0 004	< 0 5	0 40	2.64	3 3	5 0	39 69
R20871	3 8	0.5	< 0.1	< 0.05	< 0.1	0.006	1.4	0 10	3 78	3.5	5.7	27.18
R20872	3.0	0 4	< 0 1	< 0 05	< 0.1	0.003	1 9	0 19	4 62	3.8	3 4	27 70
R20873	4.4	0 6	< 0 1	< 0 05	< 0 1	0.002	4.8	0 20	6 86	10.3	8.0	21.90
R20874	2.8	0 4	< 0 1	< 0 05	< 0.1	0 003	1 5	0 26	3 99	4.9	4 0	26.10
R20875	5.0	0 7	< 0.1	< 0 05	< 0 1	0 004	1 4	0 21	3 64	3 3	10.1	27.64
R20876	2.4	0 4	< 0 1	< 0 05	< 0.1	< 0.001	< 0 5	0 06	3 12	1.7	6 4	13 88
R20877	3.5	0.5	< 0 1	< 0 05	< 0.1	0.003	2 8	0 27	5 07	3 6	4 2	31.29
R20878	5.9	0 9	< 0.1	< 0 05	< 0 1	0.003	4 6	0.20	5 79	3 4	8 1	34 98
R20879	1.5	0.2	< 0 1	< 0 05	< 0 1	0.001	< 0 5	0 16	5 07	4 3	1 9	11 32
R20880	3 6	0 5	< 0 1	< 0 05	< 0.1	0 004	3 3	0 21	7.05	4 7	3.6	36 04
R20881	2 3	0 3	< 0.1	< 0 05	< 0.1	0.002	2 5	0 12	2 58	2 4	1 9	27.42
R20882	2 5	0 4	< 0 1	< 0.05	< 0 1	0.001	0.8	0 26	5 60	9 1	2 8	25 97
R20883	1.6	0 2	< 0.1	< 0 05	< 0 1	0.002	< 0 5	0 14	8.03	3.7	3 2	18.51
R20884	2.9	0 4	< 0.1	< 0 05	< 0.1	0.002	1 5	0 22	4.47	1 6	3.9	36.86
R20885	3.0	0.4	< 0.1	< 0 05	< 0.1	0.003	4 6	0 30	3.65	4.2	3.7	31.19
R20886	0 3	< 0 1	< 0 1	< 0.05	< 0.1	< 0.001	1.1	0 07	3.89	6 6	0.7	2.26
R20887	2 4	0 4	< 0 1	< 0 05	< 0 1	0.003	4 1	0 31	7 85	11 8	2.9	21 18
R20888	4.1	0 6	0.1	< 0 05	< 0.1	0.004	5 3	0.32	5 93	4.6	4.1	23.41
R20889	2 3	0.3	0 1	< 0 05	< 0 1	0.002	4 0	0 22	2 59	2 1	3 7	28 52
R20890	5.8	0.8	< 0.1	< 0.05	< 0 1	0.003	4.7	0 28	3.85	7 3	7.5	29 15
R20891	3.4	0.5	< 0 1	< 0 05	< 0.1	0 005	1 9	0.26	4.13	3.9	3.7	22 83
R20892	3.5	0 5	< 0 1	< 0 05	< 0.1	0.002	4.1	0 30	4 06	2.7	4 4	24.71
R20893	3 9	0 6	< 0 1	< 0 05	< 0 1	0.003	1 4	0 19	4 51	2.3	5.2	30 07
R20894	4 7	0.7	0 1	< 0 05	< 0.1	0 002	3.4	0 19	7 35	9 3	9.3	20 59
R20895	3 9	0 6	< 0 1	< 0 05	< 0.1	0 002	2 1	0 28	15 8	11 9	173	22.09
R20896	2.1	0 3	< 0 1	< 0 05	< 0.1	0.001	1 5	0.38	8.54	15.9	6 5	11 39
R20897	1 7	0 2	< 0.1	< 0.05	< 0 1	0 002	5.1	0.35	8 67	17.1	4.9	7 39
R20898	3 3	0.5	< 0 1	< 0 05	< 0 1	0 005	4 6	0 23	4 02	7.7	3.8	25.25
R20899	3.1	0.4	< 0.1	< 0 05	< 0.1	0 003	3 7	0.12	4.59	5.5	3.6	14 71
R20900	3.2	0 5	< 0.1	< 0.05	< 0 1	0.004	4 0	0 19	4 78	8 1	3.7	13 18
R20901	3.7	0.5	< 0 1	< 0 05	< 0 1	0.002	4.2	0.29	5 80	2.7	3.4	35 33
R20902	4 5	0 6	< 0 1	< 0.05	< 0 1	0.004	5 5	0.34	6 92	15 0	4.6	23 70
R20903	5 5	0 8	< 0 1	< 0.05	< 0 1	0.003	5 9	0.24	4 66	7.8	5.0	29 39
R20904	3 3	0 5	< 0.1	< 0 05	< 0 1	0 003	2 8	0.08	3.26	2.7	3 2	36.19

Analyte Symbol	Yb	Lu	Hf	Ta	W	Re	Au	Tl	Pb	Th	U	LOI
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	%
Detection Limit	0 1	0.1	0 1	0.05	0 1	0 001	0 5	0 02	0.01	0 1	0.1	
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	GRAV
R20905	8.1	1.2	< 0.1	< 0 05	< 0 1	0.003	5.6	0.25	5.75	15.2	7.9	22.32
R20906	2.1	0.3	< 0.1	< 0 05	< 0.1	0 002	< 0.5	0 13	2.76	2 8	3 7	32.79
R20907	1.9	0 3	< 0.1	< 0.05	< 0 1	0 004	< 0.5	0 11	2 91	2 2	2.4	20.70
R20908	3.2	0 5	< 0.1	< 0 05	< 0 1	0 002	3.4	0 20	5 42	3.5	2 7	34.28
R20909	5.2	0.8	< 0 1	< 0.05	< 0 1	0.004	3.6	0 21	6 27	5 7	5 0	27.48
R20910	1.7	0.3	< 0.1	< 0 05	< 0 1	0.002	2.2	0.13	4.58	1 4	3 6	30.38
R20911	2.1	0.3	< 0.1	< 0.05	< 0 1	0.003	2.2	0.15	3 55	1 8	1.9	36 42
R20912	2.0	0 3	0.1	< 0 05	< 0 1	0.007	3 7	0.32	6 32	11 6	6.6	23 81
R20913	2.0	0.3	< 0.1	< 0 05	< 0 1	0.004	2 3	0 29	4.97	13 6	5.2	19.00
R20915	1.4	0.2	< 0.1	< 0 05	< 0 1	0.003	1.6	0.21	4 16	5.9	3 1	21.47
R20916	1.2	0.2	< 0.1	< 0 05	< 0.1	0 003	3.4	0.16	4 56	12.5	1 6	38.19
R20917	1.3	0 2	< 0.1	< 0 05	< 0.1	0 002	< 0.5	0.23	3 60	4 3	2 3	27 54
R20918	0 8	0 1	< 0.1	< 0 05	< 0 1	0.002	< 0 5	0.10	3 14	3 9	0.7	13.40
R20919	1.6	0 2	< 0.1	< 0 05	< 0 1	0 003	3 9	0 18	3 77	3 3	3.0	36.27
R20920	1.4	0.2	< 0.1	< 0.05	< 0 1	0.002	2.2	0.14	3 12	3.6	1.4	35.54
R20921	1.1	0.2	< 0.1	< 0 05	< 0 1	0 002	2 4	0 09	2 78	1.5	1.0	43.04
R20922	1.3	0.2	< 0.1	< 0 05	< 0 1	0.004	3 6	0.17	3 18	3 2	1.9	34.62
R20923	1.6	0.3	< 0 1	< 0.05	< 0 1	0 003	2.6	0.16	6.77	2 3	1.7	25.48
R20924	1.0	0 2	< 0 1	< 0.05	< 0 1	0 003	< 0 5	0.15	3 33	3 3	0.9	12.99
R20925	1.5	0 2	< 0.1	< 0 05	< 0.1	0.002	2 7	0.14	4.89	4 0	2.1	15.00
R20926	1.5	0.2	< 0 1	< 0 05	< 0 1	0 003	3.9	0.21	6.56	9 6	3.3	12.64
R20927	1.1	0.2	0 1	< 0 05	< 0 1	0 003	2 2	0 20	4 18	7.4	2.1	37.83
R20928	0.3	< 0.1	< 0.1	< 0 05	< 0 1	< 0 001	1.4	0.06	3 09	4 2	0.6	1.43
R20929	1 5	0.3	< 0.1	< 0 05	< 0.1	0.002	4 6	0.18	3.15	3 9	1.7	39 63
R20930	3 6	0 5	< 0 1	< 0 05	< 0.1	0.005	2.8	0.30	4.88	2 6	10.9	32 60

Quality Control																								
Analyte Symbol	Li	Be	B	Na	Mg	Al	K	Bi	Ca	Sc	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Rb	Sr
Unit Symbol	ppm	ppm	ppm	%	%	%	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0 1	0 1	1	0 001	0.01	0.01	0 01	0.02	0 01	0.1	1	0.5	1	0.01	0.1	0 1	0.01	0.1	0 02	0 1	0.1	0 1	0.1	0 5
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
GXR-1 Meas	4 4	0.8	11	0 034	0 12	0 30	0 03	1450	0 74	1 0	72	4.4	773	25 4	8.1	41.1	1020		2.64		363	16 6	2.0	148
GXR-1 Cert	8.20	1.22	15.0	0 0520	0 217	3.52	0 0500	1380	0 960	1.58	80.0	12.0	852	23 6	8 20	41 0	1110		13.8		427	16.6	14 0	275
DH-1a Meas																								
DH-1a Cert																								
GXR-4 Meas	8.0	1.3	3	0 104	1.32	2.42	1.50	18.9	0 76	5 7	73	49 4	131	3.06	14.1	41.4	6020	70.7	10 2		90 0	5.8	89 2	63 2
GXR-4 Cert	11 1	1 90	4.50	0 564	1.66	7.20	4.01	19 0	1.01	7.70	87.0	64 0	155	3 09	14.6	42.0	6520	73.0	20 0		98 0	5.60	160	221
LKSD-1 Meas																								
LKSD-1 Cert																								
GXR-6 Meas	20.1	0 8	4	0 050	0.34	6 17	0.95	0 17	0 11	20.4	148	69.1	899	5 64	13 5	25.0	66.8	118	12 2		213	0.4	59.6	25.3
GXR-6 Cert	32 0	1.40	9.80	0.104	0 609	17.7	1 87	0 290	0.180	27.6	186	96.0	1010	5 58	13.8	27 0	66 0	118	35 0		330	0.940	90 0	35 0
LKSD-3 Meas																								
LKSD-3 Cert																								
OREAS 13b (4-Acid) Meas															47.7	2240	2180				46.5			
OREAS 13b (4-Acid) Cert															75	2247	2327				57			
R20842 Orig	10 6	0.6	2	0 027	0.44	1 69	0.20	0.05	0 25	4 3	45	26.8	198	2.14	7.9	14.8	69 8	83.5	5 24	0 5	0.7	1.7	22.1	23.7
R20842 Dup	11 0	0.6	1	0.027	0.45	1.77	0.21	0 05	0 26	4 5	48	27 7	208	2 24	8.4	15.6	70 7	86 0	5.43	0.6	0.4	2 0	23.0	24.3
R20856 Orig	10.3	0 6	7	0.027	0.37	1.68	0.16	< 0 02	0 30	2 5	23	11 8	125	1.21	6.6	15.0	91.0	85.4	4.18	1.0	0.5	2 6	21 9	24.4
R20856 Dup	10 9	0 6	7	0.030	0.37	1.70	0.16	0 02	0.31	2.7	24	12 0	126	1 21	6 7	15.1	93 2	88 5	4.16	1.0	1.1	2 5	22 6	25 3
R20870 Orig	4 6	0.5	7	0.025	0.18	2.02	0.07	< 0 02	0 40	1 2	24	13.6	84	1 47	4 5	13 9	96 3	50 1	3 05	1.1	1.5	3.4	9 2	24 9
R20870 Dup	4 5	0 4	6	0.023	0.17	1.94	0.07	< 0.02	0.38	1 1	22	12.0	80	1 40	4.3	13 3	90.5	46 1	2 68	0.9	1 5	2.8	8 4	23 0
R20884 Orig	4 3	0 6	6	0 021	0.17	2.15	0 07	0.04	0 37	1.0	25	12.7	124	1 51	4 9	11 8	59 1	80 5	3 00	0.7	1 1	3 4	6 9	19 5
R20884 Dup	4 2	0.5	6	0.020	0 16	2.07	0 07	0.04	0.35	0 9	24	12 0	118	1 47	4.7	11.4	58 6	79 5	2.80	0 7	1.2	3 2	6 7	18 8
R20900 Orig	9.9	0.4	3	0 022	0.38	1.31	0 17	0.04	0.28	3.0	32	46.3	169	1 71	5 8	12.1	75.7	76 0	3 85	0 7	0 8	2 3	18 9	18 0
R20900 Dup	9.6	0 4	2	0.027	0 38	1.30	0 17	0 03	0 28	3.0	31	46 5	168	1 69	5 7	11 8	74.7	76.3	3.86	0 6	0 3	2.4	18 6	18 2
R20915 Orig	8.9	0 3	3	0 026	0.38	1.26	0.18	0.03	0.38	2.4	31	21 7	148	1.50	7.3	13.3	67 4	92 1	3 67	0 6	< 0.1	1.6	16 1	28 4
R20915 Dup	9 4	0.4	4	0 026	0.38	1 26	0.18	0.03	0 38	2 4	31	21.3	148	1 52	7.5	13.6	67 8	92 2	3.55	0.6	0.3	1 6	16 3	28.6
R20928 Orig	5.7	< 0 1	< 1	0.022	0.25	0 47	0.12	0 02	0 25	0.8	16	61 5	120	1 11	4.1	6.0	9 19	24.3	2 60	< 0.1	< 0.1	0 3	9.8	24.5
R20928 Dup	5 7	0 1	< 1	0 023	0.26	0 47	0 12	0 02	0.25	0.6	15	61 0	121	1 13	4.2	5.9	9.08	24 3	2.63	< 0 1	< 0.1	0.2	9 9	24 0
Method Blank Method Blank	< 0.1	< 0.1	< 1	< 0 001	< 0 01	< 0.01	< 0.01	< 0 02	< 0 01	< 0 1	< 1	< 0.5	< 1	< 0 01	< 0 1	< 0 1	< 0.01	< 0 1	< 0 02	< 0 1	< 0 1	< 0 1	< 0 1	< 0 5

Quality Control

Analyte Symbol	Y	Zr	Nb	Mo	Ag	Cd	In	Sn	Sb	Te	Cs	Ba	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	0.01	0.1	0.1	0.01	0 002	0 01	0.02	0.05	0.02	0.02	0 02	0.5	0.5	0.01	0.1	0.02	0.1	0 1	0.1	0.1	0.001	0 1	0.1	0.1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
GXR-1 Meas	24 2	20.3	0.5	16.3	28 9	2 34	0.69	23 1	75 9	13.3	2.64	155	4.1	10 5		5 77	2.1	0.5	3.3	0.6	4 18			0 3
GXR-1 Cert	32 0	38 0	0.800	18 0	31 0	3.30	0.770	54.0	122	13.0	3.00	750	7 50	17 0		18.0	2.70	0.680	4 20	0.830	4 30			0 430
DH-1a Meas																								
DH-1a Cert																								
GXR-4 Meas	10.7	10 5	0.2	296	3.32	0 07	0 19	5.17	1 99	0.74	2 29	13 9	42 4	81 0		32.2	5 1	1.2	4 1	0.5	2.37			0 1
GXR-4 Cert	14.0	188	10.0	310	4 00	0.860	0.270	5.60	4.80	0.970	2 80	1640	64.5	102		45.0	6.60	1 63	5 25	0 360	2.60			0.210
LKSD-1 Meas																								
LKSD-1 Cert																								
GXR-6 Meas	6.07	13.7	0 1	0.80	0.298	0.09	0 06	0.96	0.68	< 0.02	3.16	818	10 5	31.4		10.5	2 1	0 5	2 0	0.3	1.47			0 1
GXR-6 Cert	14.0	110	7 50	2.40	1.30	1 00	0.260	1 70	3.60	0 0180	4 20	1300	13 9	36.0		13 0	2 67	0.760	2.97	0.415	2.80			0 0320
LKSD-3 Meas																								
LKSD-3 Cert																								
OREAS 13b (4-Acid) Meas				7.76	0 807																			
OREAS 13b (4-Acid) Cert				9.0	0 86																			
R20842 Orig	31.6	3 5	1.5	2.56	0.198	0.36	< 0.02	0 44	0.03	< 0.02	0 61	103	154	308	42.6	150	20.0	3.0	13 7	1.3	6 61	1 2	3 2	0.4
R20842 Dup	32.7	3 6	1.6	2 64	0 203	0.36	< 0 02	0 44	0 03	< 0.02	0 64	107	159	317	43.0	155	20.6	3.0	15.1	1.4	6 89	1.2	3.2	0 5
R20856 Orig	54.8	5.8	1 6	1 88	0 373	0.37	< 0.02	0 34	0.02	0 03	0.74	73 2	285	445	83.0	319	44.8	6 8	30.0	2 6	12.5	2.1	5 2	0.7
R20856 Dup	56.8	6 1	1 6	1 88	0 382	0.40	< 0 02	0 34	< 0 02	0.03	0.74	81 5	292	464	84.9	327	45.3	6 9	29.5	2 7	12.6	2 2	5 5	0.7
R20870 Orig	55 7	2.7	1 4	2.87	0 437	0 39	< 0.02	0.21	0 03	< 0 02	0.30	58.0	360	555	87 6	312	39 1	5.3	26 5	2 5	11.8	2.0	4 9	0.6
R20870 Dup	50 9	2.3	1.3	2.64	0.393	0.38	< 0.02	0.19	< 0.02	< 0 02	0.29	73.1	340	525	82 6	296	37 2	5.0	25 7	2 4	11.6	1.9	4 7	0 6
R20884 Orig	48 7	1.9	1 2	2 23	0 379	0.46	< 0.02	0.27	0 04	< 0.02	0.36	43.8	254	404	61 5	218	30 1	3.9	21 5	2 1	10.00	1.7	4 1	0 5
R20884 Dup	47.0	1 6	1.1	2 12	0 379	0.45	< 0 02	0.25	0 04	< 0 02	0 34	42 7	247	396	60 0	215	29 2	3.7	20 8	2 0	10.0	1.7	4 2	0 5
R20900 Orig	42.3	3.2	1 7	3.99	0 254	0.36	< 0.02	0.42	0.04	< 0 02	0.56	68 7	196	337	54 9	197	26.9	3.8	18 5	1 9	9.20	1 6	4 1	0 6
R20900 Dup	41.8	3 0	1.7	3 92	0 239	0.34	< 0 02	0.43	0.05	< 0 02	0.53	66 7	189	329	53 4	193	26.3	3.7	18 2	1 8	8.57	1 5	3 8	0 5
R20915 Orig	18.5	3.6	1 4	4 04	0 224	0.34	< 0.02	0 34	0 02	< 0.02	0.40	99.5	237	357	58.9	196	20.6	2.4	11.9	0.9	4.11	0.7	1.7	0.2
R20915 Dup	18 3	3.6	1 4	3 96	0 228	0 35	< 0 02	0.35	0 02	< 0.02	0.42	99 4	243	364	59 5	196	20 4	2 4	11.5	0 9	4.30	0.7	1.8	0 2
R20928 Orig	2 68	2 8	2.5	3 80	< 0.002	0 02	< 0 02	0 37	< 0 02	< 0.02	0.38	32.7	16 0	35 0	3 6	12.3	1 9	0.4	1 4	0 2	0 798	0.1	0 4	< 0 1
R20928 Dup	2.86	2 4	2 3	3 96	0 003	0.03	< 0.02	0.36	< 0.02	< 0 02	0.38	32 7	15 5	34.3	3 5	12.0	1 9	0 3	1.4	0.2	0 790	0 1	0 3	< 0 1
Method Blank Method Blank	< 0.01	< 0.1	< 0 1	< 0.01	< 0 002	< 0 01	< 0 02	< 0 05	< 0 02	< 0 02	< 0.02	< 0.5	< 0.5	< 0.01	< 0 1	< 0.02	< 0.1	< 0 1	< 0 1	< 0 1	< 0 001	< 0.1	< 0 1	< 0 1

Quality Control												
Analyte Symbol	Yb	Lu	Hf	Ta	W	Re	Au	Tl	Pb	Th	U	LOI
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	%
Detection Limit	0.1	0.1	0 1	0 05	0 1	0.001	0 5	0.02	0 01	0.1	0.1	
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	GRAV
GXR-1 Meas	2 0	0.3	0 1	< 0 05	154		3360	0.34	711	2 2	34 7	
GXR-1 Cert	1.90	0 280	0.960	0.175	164		3300	0 390	730	2.44	34 9	
DH-1a Meas										> 200	2620	
DH-1a Cert										910	2630	
GXR-4 Meas	0 8	0.1	0 2	< 0.05	11.3		469	2 62	47.0	20.1	5.0	
GXR-4 Cert	1 60	0.170	6.30	0.790	30.8		470	3 20	52 0	22.5	6 20	
LKSD-1 Meas												23 60
LKSD-1 Cert												23 5
GXR-6 Meas	0.7	< 0 1	< 0.1	< 0 05	< 0.1		77.7	1 73	103	5.0	0.8	
GXR-6 Cert	2 40	0.330	4.30	0 485	1.90		95 0	2 20	101	5 30	1.54	
LKSD-3 Meas												11 60
LKSD-3 Cert												11 8
OREAS 13b (4-Acid) Meas												
OREAS 13b (4-Acid) Cert												
R20842 Orig	2 6	0.4	< 0.1	< 0.05	< 0.1	0 001	3 3	0.20	5 41	6.8	3.3	
R20842 Dup	2.7	0.4	< 0 1	< 0.05	< 0 1	0 003	2 8	0.20	5 63	7.2	3.5	
R20856 Orig	3 9	0.6	< 0 1	< 0 05	< 0 1	0.003	5 2	0.29	4 47	8.7	8.2	
R20856 Dup	4 1	0 6	< 0.1	< 0 05	< 0 1	0.004	5 2	0.31	4 59	8 9	8.4	
R20870 Orig	3 7	0.5	< 0 1	< 0.05	< 0 1	0 003	< 0 5	0.40	2.62	3 4	5.0	
R20870 Dup	3 5	0 5	< 0 1	< 0 05	< 0 1	0.005	3 7	0 39	2.67	3.1	5.0	
R20884 Orig	2.9	0.4	< 0.1	< 0.05	< 0 1	0 002	2 0	0.22	4 51	1.9	3.9	
R20884 Dup	2.8	0.4	< 0 1	< 0 05	< 0.1	0.001	1.0	0.22	4 43	1.3	3.9	
R20900 Orig	3.2	0.5	< 0.1	< 0 05	0.1	0.003	4.1	0.20	4 84	8.2	3 9	
R20900 Dup	3.1	0 4	< 0 1	< 0 05	< 0.1	0.006	4.0	0.18	4.72	8 0	3 8	
R20915 Orig	1 4	0 2	< 0 1	< 0.05	< 0 1	0.003	0.8	0.21	4 19	6.3	3.0	
R20915 Dup	1.4	0.2	< 0 1	< 0.05	< 0 1	0.003	2 4	0 21	4 12	5.6	3.2	
R20928 Orig	0 3	< 0 1	< 0.1	< 0 05	0 2	0.001	1.4	0 06	3.14	3.9	0 6	
R20928 Dup	0 3	< 0 1	< 0 1	< 0 05	< 0 1	< 0.001	1.3	0 06	3.04	4.6	0 6	
Method Blank Method Blank	< 0.1	< 0.1	< 0 1	< 0.05	< 0.1	< 0.001	< 0 5	< 0.02	< 0 01	< 0 1	< 0.1	

Quality Analysis ... **Actlabs** *Innovative Technologies*

Date Submitted: 19-Oct-10
Invoice No.: A10-7416
Invoice Date: 16-Nov-10
Your Reference: 30222-7 Azimut

Techni-Lab Abitibi Inc.(Actlabs)
184 Rue Principale
Ste-Germaine-Boule Quebec J0Z 1M0
Canada

ATTN: Andre Caouette

CERTIFICATE OF ANALYSIS

148 Pulp samples were submitted for analysis.

The following analytical packages were requested: Code 4F-LOI LOI
Code UT-1-0.5g Aqua Regia ICP/MS

REPORT **A10-7416**

Notes:
Assays are recommended for values >10,000 for Cu and Au.

CERTIFIED BY :

Emmanuel Eseme , Ph.D.
Quality Control

ISO/IEC 17025
SCC Accredited
LAB 266
LAB 266
Accrédité CCN

ACTIVATION LABORATORIES LTD.

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Activation Laboratories Ltd. Report: A10-7416

Analyte Symbol	LOI	Li	Be	B	Na	Mg	Al	K	Bl	Ca	Sc	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Rb
Unit Symbol	%	ppm	ppm	ppm	%	%	%	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit		0 1	0.1	1	0.001	0.01	0.01	0 01	0.02	0.01	0 1	1	0 5	1	0.01	0.1	0 1	0 01	0.1	0.02	0.1	0 1	0 1	0.1
Analysis Method	GRAV	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
R20932	37 96	11 4	0 6	6	0.035	0.41	2.38	0 23	0 05	0.41	3.4	39	24 2	166	1.90	7.7	15.8	112	94.4	4 45	1.2	1.9	3.4	24 2
R20933	29 42	8.4	0 4	7	0.022	0.30	1.51	0.15	0 04	0.24	1.7	24	25 0	104	0.87	4.2	11 4	51 0	46 5	3 02	0.7	2 4	2 0	16 5
R20934	7.63	17.6	0.5	2	0 034	0.55	1.60	0.32	0 05	0 34	4.3	47	40 5	572	2.97	10 4	14.5	44.6	78.8	5.18	0 2	< 0.1	0.7	31 7
R20935	38 33	17 4	0 9	9	0.035	0 49	2.13	0.28	0 07	0.44	3 5	44	24.5	246	2 25	9.6	23.5	122	182	4.50	0.9	< 0.1	3.6	32.5
R20936	6.68	20.9	0 4	2	0 040	0 80	1.67	0.42	0 04	0 56	4.6	40	34.0	296	2.09	10.6	19.0	49.7	89.7	5.87	0.2	< 0.1	0.9	40.9
R20937	7.64	9 1	0.3	2	0 036	0 38	0.99	0.17	0.04	0.36	2 9	28	58.6	152	1 57	4.8	10 8	40.1	58.4	3.34	0.3	1 4	0.9	16.4
R20938	21.98	24.3	0 6	5	0 028	0.52	1 62	0 26	0.09	0.46	3.6	34	38.3	239	1 60	10.4	34 8	141	146	4.40	0.9	1 8	2 6	28 3
R20939	15.43	8 6	0.4	2	0.034	0.32	1.17	0.14	0 05	0.34	2.1	29	36 4	149	1.72	6 9	15.3	71.0	113	3 02	0.4	1 8	1 2	13 8
R20940	31.04	19.0	1.0	4	0.039	0.55	2.00	0 29	0.04	0.47	4.3	34	26 4	196	1.70	12.3	29 7	252	178	4 33	1.3	< 0 1	5 0	38.3
R20941	20.50	21.8	1.0	5	0 036	0.71	3 31	0 36	0.07	0 27	5 8	48	30 8	1580	8 66	55.9	26.2	260	113	6 14	1.3	< 0 1	4 7	49 2
R20942	26 97	12.3	0.6	9	0.053	0.49	1.91	0.20	0.12	0 49	2 7	35	72.0	197	1 98	10.4	24.6	151	76 0	4 36	0.5	1 5	2.9	23 3
R20943	31.05	9.2	0 6	14	0.039	0.31	1 84	0.14	0.07	0.53	2 4	30	26 6	207	4 42	17.0	24.4	158	111	2.84	0.6	0.4	3.5	16.2
R20944	25.76	9 4	0.7	16	0.045	0.31	1.86	0.13	0.04	0.67	1.9	28	22 2	257	2.62	38.8	34.7	176	168	2.54	0.7	< 0 1	2.4	13 7
R20945	27.11	20.3	0 6	5	0.038	0 52	1.87	0.27	0 04	0.48	3.1	31	23 9	178	1.26	9.8	39.8	160	147	4.14	0.7	2 7	2 7	36 3
R20946	21.18	58.4	1.0	6	0.047	1 43	3.95	0.92	0.08	0.35	7.8	74	50 1	752	4 85	26.4	51.6	310	208	12 1	0 9	0.3	2 6	134
R20947	15.98	27.3	0.5	2	0 043	0.71	1.87	0.39	0.06	0 30	3.9	43	30 6	230	2 24	11.4	21.5	109	84.9	5.19	0.5	< 0.1	1 6	59.5
R20948	20.64	17.8	0.3	2	0.038	0 47	1.36	0.31	0.03	0.34	2.5	26	14.1	169	1.44	8.0	16 2	81.8	71.2	3.38	0 5	< 0.1	1 3	37 0
R20949	16.86	14.1	0.4	3	0.046	0 46	1.43	0.23	0.06	0 43	2.8	31	58 1	207	1 46	8.0	15 6	51.0	75 6	3.44	0.4	< 0.1	1 6	22.3
R20951	29.60	13.6	0.7	4	0 039	0.40	2.44	0.21	0.05	0.35	2.8	34	28 3	233	2.61	18.4	18 0	183	93 0	3.74	0.9	< 0.1	3.4	25 6
R20952	11.24	15.7	0.5	4	0 048	0 54	1 52	0.28	0.06	0.41	3.2	35	67 4	220	1 89	9.1	14 6	47 5	82.0	4.66	0 4	1.6	0.6	31.1
R20953	16.57	32.6	0.7	3	0.053	1 03	2.48	0.61	0.05	0.48	4.9	47	38 4	352	2.56	15.0	27.9	113	164	7 32	0.7	< 0.1	1.8	74 5
R20954	8.70	46.0	0.9	4	0.084	1.85	4.07	1.11	0.08	0.67	8.1	91	54 1	668	4.87	27 0	39.3	116	201	14 1	0.4	< 0 1	0.9	118
R20955	28.81	9.3	0.8	3	0.030	0.25	1.74	0.15	0.02	0.23	1 7	20	15 8	89	0.98	4 2	10.9	122	53.0	2 56	1.0	1 3	2.8	21 0
R20956	3 76	10.1	0.2	1	0 028	0.35	0.77	0.15	0 05	0.44	1 6	39	51 5	171	2.23	6.9	7.9	13.2	28.8	3 78	< 0.1	< 0 1	< 0.1	14 0
R20957	33.43	2 8	0.6	3	0 021	0.09	1.62	0 05	0 03	0 33	0 7	9	11.8	55	0.61	3.4	9 7	140	56.0	0 80	1.1	5.1	2.8	5 4
R20958	18 77	16 5	0 5	2	0 056	0.59	1 55	0 33	0 02	0 31	3 0	25	27.9	193	1 67	10.1	16 3	89.4	86 4	4.65	0.7	< 0 1	1.6	45 0
R20959	25 71	13 0	0 5	8	0.042	0.48	1 37	0.22	0.03	0.44	2.3	32	24 6	199	1 77	9.1	16.3	62 4	104	4.17	0 5	1.5	1 8	27.8
R20960	8 38	12 2	0.5	3	0.041	0.42	1 28	0 23	0.03	0.41	3 5	28	78 1	186	1.63	6 4	11 0	55.8	60 5	3.74	0.6	< 0.1	0 7	25.7
R20961	17 56	8 7	0 4	2	0.039	0.29	1 09	0 16	0.03	0.48	2 1	26	36.5	125	1.06	5 1	9.6	56.6	198	2.49	0.7	< 0 1	1 7	17.0
R20963	34.31	7.3	0 5	10	0 030	0 24	1 95	0 14	0.04	0 39	1.7	25	17 5	111	1.89	5.6	13 6	99.9	81 1	2.27	0.9	< 0 1	3.3	16.4
R20964	29.50	8.5	0 4	4	0 033	0 30	1.62	0 16	0.05	0 34	1.6	20	16 5	100	1.06	4.8	11 7	85 0	49.9	2.68	0.9	1.9	2 1	21 9
R20965	25.89	23.6	0.8	4	0 051	0 81	1 99	0 44	0 03	0 42	3.5	37	23.9	260	2.00	12.2	25 2	99.7	113	5.94	0.6	< 0 1	1.9	73 7
R20966	27.10	15.2	0.6	6	0.029	0.53	1.84	0 27	0 04	0 36	2 2	28	19.3	174	1.90	7.5	17.7	97.9	199	3.92	0.6	< 0 1	1.8	41.8
R20967	24.90	13.8	0 5	5	0.042	0.56	1.70	0 28	0 05	0.30	2 5	31	22 8	197	1.91	7.5	15.0	55.0	83.5	4 69	0.6	1 5	2.0	37.1
R20968	41.71	13.3	0 5	3	0.041	0.39	1.62	0.22	0.04	0.46	2 4	21	20 3	121	0.87	6.5	15.4	138	156	3 27	1.1	2 7	3.2	33 6
R20969	18.28	31.2	0 9	5	0 057	1.02	3.16	0.65	0.08	0.36	5.8	61	30.2	430	4.03	18.6	26.7	217	166	8 35	0.7	< 0 1	4.1	86.8
R20970	29.23	15.9	0.6	6	0 043	0 54	2.45	0 31	0 05	0 37	2 7	38	26.3	208	2.70	10.8	20.0	148	111	4 67	0.6	< 0.1	2.4	39 1
R20971	19.78	24.8	0 9	3	0.048	0 88	3.26	0 49	0 05	0 34	5.0	56	42.6	571	4.47	19.9	23 6	218	141	7 51	0.9	1 4	2 3	61.7
R20972	36 52	7.2	1.0	6	0 040	0.25	2.70	0 11	0.03	0 39	1.7	33	22 8	178	3 52	12.3	14.7	211	59 6	2 88	0.9	2.4	5 3	14 1
R20973	34.82	8.0	1 2	7	0.027	0.26	2.49	0.13	0.03	0 32	1.4	28	14.3	145	2 15	7.8	11.4	186	63.1	2.79	1.2	2.0	4 0	18 4
R20974	29.39	16.4	1 0	13	0.034	0.46	2.73	0.21	0.05	0.37	2 2	41	27.9	282	2.17	10.8	15.1	141	76.0	4.57	1.0	< 0 1	5 6	29 8
R20975	40.11	3.8	0.8	4	0.021	0.09	1.65	0.05	0.03	0 37	0 5	14	16 8	58	0 58	3.3	11.4	133	33 3	0 99	0.9	4.5	2 8	6 0
R20976	24.94	12.0	0.6	2	0 035	0.46	1.65	0 26	0.03	0 39	3 3	34	23 5	173	2 13	18.9	17.2	135	132	3.84	0.9	0.8	2 1	31 2
R20977	33.65	11 5	0.7	2	0.033	0.31	1.52	0 16	0.03	0.42	2.1	23	19 5	133	1 06	10.9	16.1	180	120	2.67	1.0	< 0.1	3 3	22.5
R20978	39 03	6 1	0.8	9	0 031	0.22	2.11	0 11	0 04	0.33	1.6	25	20 8	117	2.94	8.1	15 4	133	101	2.32	1 1	1.5	3 5	12 7
R20979	1.24	7.3	0.1	1	0 033	0.31	0.62	0 15	0.03	0.36	1.2	21	69.7	138	1.12	4.5	7 2	9.13	25 8	3.06	< 0.1	0.5	< 0 1	12 1
R20980	34 34	9.7	1 1	4	0.040	0.31	1.95	0 17	0 03	0 36	2 0	29	20 5	107	1.39	4.7	14 0	188	74.9	3 01	1.0	1.1	3 5	24 4
R20981	18.98	28.8	0 7	4	0.046	0.88	2.54	0.53	0 05	0.38	4 1	55	30 3	704	3.97	27.4	24.2	83.6	162	7.05	0.6	< 0.1	1.8	67.1
R20982	5.74	27.7	0 5	2	0.057	1.16	2.24	0 73	0.04	0 71	5 9	61	35.2	409	3.14	16.4	23 9	73.1	119	8.05	0.3	< 0 1	0.7	72.1
R20983	23 26	19.0	0 5	6	0 042	0 69	1.75	0 42	0 03	0 39	3.4	42	27 2	237	2 61	9.7	20.3	74 5	125	5 54	0.6	< 0.1	1.4	48.2
R20984	22.06	20.7	0 5	4	0 052	0 75	1.75	0.43	0 04	0 45	3.6	43	31 4	254	2 53	10.7	23.2	83 5	113	6 02	0.6	2.4	1.4	51.9
R20985	18.45	25 3	0 5	3	0 061	0 76	1.89	0 51	0 03	0 31	3.6	36	29 9	246	1 77	9 0	19.6	84 8	115	6 33	0.5	2.0	0.8	69.2

Analyte Symbol	LOI	Li	Be	B	Na	Mg	Al	K	Bi	Ca	Sc	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Rb
Unit Symbol	%	ppm	ppm	ppm	%	%	%	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit		0 1	0.1	1	0.001	0.01	0 01	0 01	0.02	0.01	0 1	1	0.5	1	0.01	0 1	0.1	0 01	0 1	0.02	0.1	0 1	0.1	0.1
Analysis Method	GRAV	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
R20986	13 94	52 3	0 8	4	0.081	1 54	3.74	1 14	0 05	0.53	6 6	73	67.8	512	3.45	21.0	44.6	158	224	12.8	0 5	< 0.1	1 4	123
R20987	32 37	13 8	0.3	5	0.047	0 38	1.22	0 25	0 03	0.41	2 1	21	22.9	136	0.95	6 4	20 4	94 9	102	2.88	0.6	< 0.1	1 7	27 1
R20988	20 63	51.5	0 8	4	0.068	1.45	3 59	1 06	0 05	0 47	6 1	64	51.3	435	3.59	21 6	46.7	211	234	10 2	0.5	< 0 1	1 4	132
R20989	14.67	57.3	0 9	4	0.100	1.82	4.31	1 25	0 06	0 43	7.0	82	43.3	733	4.91	28.9	43 7	200	181	12.5	0.5	< 0.1	1 4	143
R20990	19.04	30 0	0.5	4	0.076	1.00	2.71	0.67	0 04	0.38	4.1	47	27 1	323	2.42	12.8	23 2	101	122	7 85	0.4	0 3	1 0	76.0
R20991	15.84	34.0	0 7	3	0.090	1 28	3.37	0 79	0 06	0.38	6.1	67	34 5	459	4.67	18.5	29 1	120	160	10 6	0.4	1 1	1 4	89.6
R20992	34.59	15.9	0 4	8	0 051	0.54	1 41	0.28	0.03	0.48	2.6	30	30.3	179	1 49	9.0	23.0	172	120	4.34	0.5	1 3	0.8	32.2
R20993	19.22	39 4	0 8	4	0.058	1.16	3 08	0 77	0.05	0.45	5 8	74	43 6	399	3 74	17.4	35 3	167	173	9.19	0.6	< 0.1	2 2	90 6
R20994	20.00	29 7	0.6	5	0.050	0.99	2 67	0 63	0 06	0.41	5.3	62	41 1	373	8 18	16.5	26 6	84.8	116	7 26	0.6	< 0 1	2 0	75 2
R20995	24.58	21 7	0 4	6	0.075	0.70	1.67	0 33	0 05	0.55	3.7	41	76 4	248	1.93	11 4	35.2	90 2	271	5 33	0.4	< 0.1	1 3	35 9
R20996	26.61	15 1	0 6	7	0.038	0 51	2 23	0 29	0 05	0 31	3.1	38	31 9	188	3.77	11 2	31.6	159	139	4 33	0 6	< 0 1	2.6	34.3
R20997	27.30	29.0	0 8	4	0.047	0.90	3 57	0 52	0.07	0.37	4 2	57	42 6	295	3.10	16.4	32 8	206	128	7 69	0.7	0 9	3.3	66.4
R20998	27.90	27 4	0.6	5	0 046	0.78	2 09	0.48	0 04	0 39	3 4	39	45.1	236	1.79	10.1	26 6	108	131	6 71	0.6	4 1	1.6	58.6
R20999	22.43	33.3	0 6	4	0 045	0.88	2.49	0 57	0 05	0 40	4 1	50	32 0	344	2.42	17.4	37 6	165	163	6.55	0.7	< 0 1	2.0	72.9
R21000	20 10	20 7	0.6	4	0 042	0.73	2.59	0 42	0.07	0 33	4.0	49	45 6	590	4.74	40.3	33.1	148	124	6 03	0.7	< 0 1	2 4	50.4
R21001	31.45	15 2	0 4	6	0.058	0.55	1 68	0.30	0 06	0.48	2 6	34	38 7	197	1 92	9.0	24 3	153	116	4 33	0.6	1 9	1.7	33.7
R21002	30.03	25.4	0 7	9	0.084	0.78	2.32	0 48	0 05	0 36	3 6	45	44.6	240	2 46	10.5	28.3	164	136	6.58	0.7	1.9	2.2	66 8
R21003	10 65	57 9	0 9	4	0.066	1.68	4 00	1 15	0 07	0.51	8 0	86	56 4	1020	5 61	30.3	55 1	211	196	11.8	0.8	< 0 1	1.0	133
R21004	11 28	19 5	0.3	2	0.055	0.66	1 50	0 40	0 03	0.50	3 1	30	72 6	243	1.65	9.9	22 1	60.2	68 3	4.39	0.3	< 0 1	0 5	43.5
R21005	17.27	47.1	0 7	3	0.075	1.62	3 73	1 11	0.06	0.35	5 9	72	41.8	501	4.07	21 7	43 3	164	163	10.7	0.5	< 0 1	1.2	136
R21006	17 61	26 7	0 8	3	0.043	1.03	2.91	0 52	0.06	0.35	5.2	62	52 3	435	4.48	16 0	30 8	131	123	8.00	0.7	1 9	1.5	57 3
R21007	27.13	12.5	0.7	4	0.033	0 43	2.49	0 24	0.07	0.22	2.5	32	39 8	262	7 27	18 1	18 6	178	127	3.98	0 7	2 0	3 7	27 4
R21008	11.61	47.1	1 1	5	0.059	1.39	3.91	0.95	0.07	0.40	7.2	80	54 5	852	6.12	41.6	55.1	242	183	11.7	0 8	0 3	1 0	107
R21009	10.44	18 4	0 4	< 1	0 042	0.74	1.77	0 43	0.04	0 40	3 9	45	62 6	258	2.94	14.2	25.6	82 0	81 4	4 80	0.4	< 0 1	0 9	43 1
R21010	34.06	14 4	0.4	5	0.047	0 48	1 89	0.28	0 04	0 36	2 5	32	37 2	156	2 37	10.1	30.7	97 2	96.0	4.13	0 7	2 6	1.8	33.8
R21011	25.32	22 5	0 6	3	0 047	0 65	2 49	0 44	0 06	0.34	3 1	41	42 8	250	2.29	12.2	30.7	156	87.1	5 37	0.6	< 0 1	2 2	53.0
R21012	29.93	15 8	0.7	7	0 043	0 58	2 62	0 35	0 06	0 31	3 7	46	31 0	255	7 80	20.4	27 1	161	143	5 01	0 8	2.1	2.7	43 1
R21013	23.05	10.1	0 6	3	0.038	0.41	2 17	0 26	0 04	0 34	2.9	35	64 3	1200	9.31	66.4	28.0	145	104	3.00	0 7	< 0 1	1 6	25 6
R21014	24 25	16 2	0 4	2	0.042	0.44	1 73	0.29	0 05	0 33	2.4	29	24 8	154	1.41	8.5	23 0	84 4	103	4 03	0 5	3 0	1.4	38 5
R21015	19 20	14 3	0 5	4	0.039	0 49	2 08	0 29	0.06	0.27	3 2	40	49 2	360	3 94	17 0	28 1	113	321	4.18	0.6	< 0 1	2 2	34 8
R21016	14.43	17.6	0 4	3	0 036	0 57	1.92	0 34	0.15	0.33	3.8	40	49 9	274	2.57	12 6	32 8	85.0	87.0	4.36	0.5	< 0 1	1.4	38 0
R21017	11.30	18 4	0.5	2	0 041	0.58	1.85	0 35	0.06	0.35	3.7	40	59 7	333	2 73	10.3	22 3	70 9	77 8	4.60	0 5	< 0 1	0.4	37.9
R21018	27.49	16 3	0.6	15	0.034	0.45	2.60	0 26	0.06	0.29	2.6	34	28 5	212	2.50	9.5	18 2	114	99 4	3.96	0 9	0 4	2.0	33 2
R21019	10.98	80 9	1 2	6	0 065	2.64	6 31	1.88	0.10	0.52	11.3	125	72 4	1530	8.10	40 4	65 6	206	235	20.3	0.6	< 0.1	0.6	213
R21020	23.20	33 2	0 6	6	0.056	0.94	2.76	0 57	0.06	0.42	4.5	56	38 7	344	3.12	16 9	30.5	78 7	121	7 89	0.5	< 0 1	1.5	74 0
R21021	28.29	30 8	0 6	6	0.063	0 91	2 51	0 59	0 06	0 47	4.3	39	33 3	321	2 28	12.8	27.8	95 6	152	7.33	0.7	< 0 1	1 5	69 0
R21022	24 36	29 8	0 6	3	0.051	0 87	2 47	0 48	0 16	0 42	3 7	48	35.7	285	2.07	12.3	23.3	70 0	109	7.23	0.5	2 7	1 2	65 0
R21023	18.62	28 0	0 7	4	0.052	0.83	2 86	0.55	0 06	0 31	5 5	58	30 8	710	6.99	26.6	26 5	116	141	6 57	0 7	< 0 1	2 4	72 0
R21024	23.46	12.0	0 4	4	0.058	0.45	1.44	0.25	0 05	0 38	2.4	32	45.5	193	2.46	9.8	20 2	57 7	96.1	3.61	0 5	< 0 1	1 1	26 1
R21025	17 48	30.2	0 5	3	0.078	1 04	2.16	0 57	0.06	0 59	4 5	55	67 8	365	2.49	13.6	25.5	62 8	117	7.88	0 5	4 2	0 9	70.4
R21026	25 45	59 0	0 9	14	0.072	1.59	3.44	1 18	0 05	0.63	7.4	88	50.9	503	3.78	22 4	48.9	246	227	13 2	0 6	1 6	1 9	139
R21027	25.03	61 6	1 5	8	0.133	1 97	5 32	1 21	0.12	0.92	11.0	116	86 5	789	8.97	42.2	58 9	225	252	14.6	1 3	< 0 1	4.4	146
R21028	19.86	27 5	0 8	4	0 055	0 93	2.96	0 54	0 06	0 33	5 1	60	39 4	430	5 80	26.3	30 7	152	145	7 49	0.4	< 0.1	2.4	74.7
R21029	23.72	39 4	0.7	3	0 088	1.25	2 89	0.90	0 04	0 45	4.7	44	31 7	391	2.86	14.5	30 8	90.8	131	8 39	0 5	< 0.1	0.7	104
R21030	15 30	65 9	1 1	4	0.098	2 26	5 41	1 68	0.08	0.48	9.1	104	50 2	752	6.18	29.6	49.2	258	238	15.1	0.5	< 0.1	1 2	175
R21031	16 44	45 4	0 8	4	0.054	1 28	3 23	0 81	0.06	0.41	6.0	72	41.1	448	3.57	17 2	33 2	121	165	10.1	0.7	0 8	1.6	108
R21032	12.71	57 8	0 9	3	0.053	1 79	4.31	1.21	0 06	0.34	7 8	85	39.6	917	7.47	30.1	39 9	164	181	12.0	0 8	< 0 1	0 9	155
R21033	12.39	35 4	0.8	2	0 065	1 26	2 98	0 73	0 06	0 38	5.9	67	39 5	593	5.26	19 6	27 4	108	140	9 53	0 6	3 0	1 3	87 9
R21034	18.50	32 3	0 9	5	0.064	0 99	2 95	0 60	0 06	0 34	4 6	61	41 4	708	4.02	22 5	31 7	125	182	8.41	0.6	< 0 1	1 9	79 0
R21035	27 13	23 7	0 7	6	0 053	0 71	2 10	0.42	0 06	0 40	3.2	45	25 4	251	2.27	10.6	24 6	95 7	128	5 44	0 6	< 0 1	1 5	53 9
R21036	11.35	39 5	0 7	2	0 079	1.43	3 30	0 88	0 07	0 43	6 3	70	48 1	687	5 85	33.3	34.9	107	132	9.72	0.5	< 0 1	1 0	110
R21037	25 76	13 7	0.6	5	0 036	0.44	1 99	0 25	0.05	0.30	2 4	39	29 1	178	1 77	7.2	15.3	139	93 8	3 95	0 9	3 1	2.5	28 6

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Analyte Symbol	LOI	Li	Be	B	Na	Mg	Al	K	Bi	Ca	Sc	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Rb
Unit Symbol	%	ppm	ppm	ppm	%	%	%	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit		0.1	0.1	1	0 001	0 01	0 01	0.01	0 02	0.01	0.1	1	0.5	1	0.01	0.1	0.1	0.01	0.1	0 02	0.1	0.1	0 1	0.1
Analysis Method	GRAV	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
R21038	1.17	7.1	0 2	1	0 029	0 29	0.58	0.15	0 03	0.35	1.3	20	75 9	132	1.07	4.2	6.3	9 27	24.3	2.85	< 0 1	1.5	< 0 1	12.6
R21039	19.00	18 0	0.4	10	0.042	0 57	1.71	0.35	0 03	0 42	2.9	40	36 5	197	1 95	8.6	18 1	75 6	88 7	4.27	0.5	< 0.1	1 3	42.4
R21040	17 05	37.9	0.8	3	0 062	1.11	3.39	0.75	0 06	0 34	5.7	63	29 7	891	7 05	28.3	29.1	109	142	7 69	0.5	< 0 1	1 5	96.9
R21041	14.04	68.2	1.1	4	0 048	2 00	5.73	1.49	0 08	0 36	9 6	100	47.3	1020	8 93	31.3	49.7	161	242	15 0	0 4	< 0 1	0 6	174
R21042	21.68	34.6	0 6	7	0 080	1 09	2.90	0.70	0 04	0 41	4 3	48	24.2	325	2 69	13 4	28 9	87 7	277	8 49	0.4	< 0 1	0 5	87 0
R21043	18.59	49.0	0.9	7	0 084	1 53	4.16	1.10	0 08	0.39	7.1	77	41 5	474	4.79	19.8	44 2	130	174	11 1	0.4	< 0.1	1 0	135
R21044	18.68	40.4	0.8	4	0 058	1 23	3 24	0.72	0.07	0.38	5.4	64	40 3	404	3.67	17.7	37.1	108	179	9 12	0 4	< 0.1	1 1	88.9
R21045	19 11	30 3	0 8	4	0.054	0.96	2 77	0.57	0 06	0 32	5.1	61	48.3	361	4 55	15 0	33.6	124	152	7.52	0 5	0 4	1 4	74.3
R21046	16.23	48.2	1 0	4	0 067	1 32	3.70	0 86	0.08	0.46	7.5	71	66 9	588	4.06	21 4	47 5	142	195	10.1	0.6	< 0 1	1.5	109
R21047	20.25	39.1	0.8	4	0 058	1 25	3.66	0 79	0 06	0.36	5 9	62	34 8	383	4 66	20.3	40 2	135	145	9.02	0.4	< 0.1	0.9	102
R21048	11 57	18 5	0 5	2	0 049	0 76	1 87	0.39	0 06	0.41	4.3	47	51 6	327	3 43	16.4	22.7	65 8	137	5.43	0.4	< 0.1	0.5	43 1
R21049	11 76	80.7	1.4	6	0.039	2.36	6 36	1.60	0 10	0 41	10.5	117	62.5	1270	7.84	38.1	60.4	265	251	19 4	0 6	< 0.1	0.5	198
R21050	26.22	59 8	1.1	6	0.072	1.54	3.80	1.00	0 07	0.50	6.9	68	45.8	454	3.48	19 4	49.7	190	250	11 6	0.6	< 0.1	1.6	137
R21051	17.10	44.0	1.0	7	0.073	1 28	3.58	0.81	0 08	0 45	6.4	64	54.1	394	3 59	17 4	41.3	113	171	9.46	0.4	< 0.1	1.0	109
R21052	11.93	56 5	1.1	5	0.068	1.83	4.53	1.01	0 10	0.52	8.2	86	51.6	664	5.24	28.5	50.0	132	180	12 8	0 4	< 0.1	1.0	142
R21053	13.66	58.0	1.2	6	0 072	1 90	4.67	1.05	0 10	0.41	8.7	91	53 7	618	5 41	27 5	51.9	180	200	14.9	0 5	< 0.1	1 1	153
R21054	28 68	44 5	1 1	7	0.079	1.36	3.32	0.84	0.08	0.51	6.9	61	42 9	408	4 23	22.4	48.0	154	186	10.1	0.7	< 0.1	2.7	111
R21055	31.54	10 1	0 4	4	0.042	0 33	1.68	0 19	0 03	0.29	2.3	27	19 4	158	5 60	10.6	16.7	67 8	72.0	2 73	0 8	< 0.1	3 2	25.0
R21056	40.84	16.2	0 6	4	0 050	0 48	2.20	0.27	0 04	0 42	2.8	40	39.7	170	2 07	8.5	23.5	111	85 5	4.18	0 7	< 0 1	3 3	32 1
R21057	15.29	33 1	0 6	3	0 054	0 99	2.96	0 59	0 05	0 43	5.8	80	35.8	645	4.72	18.6	28.1	115	124	7 29	0.6	< 0.1	2.3	80 9
R21058	4 30	26 7	0 5	2	0 046	0 96	2.15	0 62	0.04	0 51	5.1	61	58.1	331	2.72	14.4	25 5	52.1	92.1	7 43	0 3	< 0.1	0 7	67 9
R21059	21.48	36 3	0 7	4	0 065	1.06	3 08	0 68	0 07	0 40	5.1	64	39 0	356	2.77	14 7	33.1	114	133	8 94	0.5	< 0.1	1.8	88 6
R21060	14 99	43.2	0 8	3	0.060	1.46	3.35	1.01	0.04	0 55	7.0	77	42 5	475	3.81	19.7	37 1	105	141	9 67	0.5	< 0.1	1.6	112
R21061	19.76	36 4	0.8	2	0 044	1.09	3.21	0 62	0.06	0 29	5 4	69	49 1	356	4 15	15.7	34 0	188	125	8 30	0.8	< 0 1	2 6	88 5
R21062	15.34	52.2	0 8	4	0 070	1.51	3 37	0 97	0.06	0.41	6.1	75	44 1	433	3.54	17.0	36.8	99 7	148	11.1	0.4	< 0 1	1 1	128
R21063	15.09	71.3	1.0	5	0 076	1.97	4 88	1.41	0.06	0.47	8.8	97	49 8	582	5.02	24.2	48.9	146	206	14 3	0 5	< 0 1	1 8	190
R21064	27.61	14.6	0.5	2	0.041	0.36	1.67	0.22	0 03	0 40	2.0	29	23.2	141	1 06	6.3	16.1	102	82 5	2.81	0 6	< 0 1	2 5	26 5
R21065	42 80	12 9	0.5	7	0.046	0.42	1 33	0.20	0 03	0.47	2.5	28	23 6	151	1.27	8.4	22.5	129	114	2 86	0.8	< 0 1	1 8	24.4
R21066	36.11	23.9	0.8	6	0.059	0.68	2.70	0.43	0 05	0.41	3 7	49	28 8	227	2 15	10.2	21.1	160	121	5.88	1.0	< 0 1	3.2	54.5
R21067	24.06	16.0	0.5	5	0.041	0.40	1 37	0.20	< 0 02	0 29	1.8	26	19 4	121	1.06	7.9	32.3	166	108	3 02	0 6	< 0.1	2 1	31 4
R21068	24.50	18.0	0.5	6	0.050	0.55	1.88	0.35	0.03	0.28	3.6	46	23 0	228	5.23	16.2	20.9	81 9	118	4 46	0.6	< 0.1	2 7	45.1
R21069	17.88	34.0	0.8	4	0 063	1.12	2 99	0 67	0.06	0.42	5.3	66	46 9	617	3 84	17.1	28.9	111	163	8 85	0.6	< 0.1	1.9	81.4
R21070	17 66	24.8	0 6	4	0 057	0.85	2 30	0 47	0.04	0 39	4.4	60	41 4	296	2.79	11.9	22.5	87 5	113	6 85	0.5	< 0 1	2 0	62 4
R21071	23.16	36.6	1.0	3	0.056	1.06	3.47	0.63	0.04	0.35	5.4	59	28 4	383	3.52	19.9	37 9	172	153	8.37	0.6	< 0 1	2.6	86 6
R21072	22.33	36.3	0.8	5	0 074	1.13	3.26	0 72	0.03	0 41	4.7	59	24.9	387	3.08	16.2	27.2	118	132	9 02	0.5	< 0 1	1.5	95 4
R21073	25.42	27 8	0.7	6	0 068	0.92	2 95	0 57	0.04	0 37	4.5	55	28 2	314	3 38	13 9	26.7	148	124	7 49	0.5	< 0 1	1 9	72.3
R21074	25.95	30 1	0 7	5	0 059	0.86	2 25	0.52	0.03	0.37	3.8	51	23 4	293	2.01	12.0	23.9	101	136	6.88	0.6	< 0 1	1.8	72 6
R21075	16.63	61 4	1 5	5	0.067	1.85	5 16	1 20	0 06	0.38	8.8	97	44 4	580	5 49	25.4	43 3	159	214	14.2	0 6	< 0 1	2 0	162
R21076	0.79	6 5	0 2	< 1	0.039	0.25	0 57	0 14	< 0 02	0.37	1.3	17	90 5	124	0 96	3.8	6.1	8.56	20 1	2.46	< 0.1	< 0.1	0 4	11 6
R21077	29.87	11.1	0 7	3	0.048	0 38	2.47	0 20	0 05	0.29	2.2	39	33.5	202	3 29	6.8	10 6	150	82.8	3 39	0.8	< 0.1	3.9	22.2
R21078	8 87	41.7	0.8	3	0.061	1.49	3.26	0 86	0 05	0 62	7 0	78	43 1	614	3 51	19 9	29 3	114	163	11 0	0.5	< 0.1	1 2	95.9
R21079	10 96	32 1	0 6	3	0.059	1.03	2.45	0.60	0 04	0 42	5.2	58	45.5	371	2.93	12.8	24 2	85.0	120	8 12	0.4	< 0.1	1 3	72.2
R21080	22.53	44 4	1 0	6	0 067	1.19	3.17	0 79	0.04	0 46	6.1	82	34.4	377	3.45	16.6	33.9	125	174	9.52	0.6	< 0 1	2.3	106
R21081	27.03	22.4	0 7	7	0 070	0.66	2 60	0 39	0 05	0.39	3.8	57	49 8	238	3 04	11.1	20.4	98 8	107	5 60	0 7	< 0 1	2.6	50.2

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Analyte Symbol	Sr	Y	Zr	Nb	Mo	Ag	Cd	In	Sn	Sb	Te	Cs	Ba	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er
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	0 5	0.01	0 1	0 1	0.01	0.002	0 01	0.02	0 05	0 02	0.02	0.02	0.5	0 5	0.01	0.1	0 02	0 1	0 1	0 1	0.1	0.001	0.1	0 1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
R20932	24 6	37 2	4 8	1 6	4.81	0.476	1.03	< 0.02	0 36	0.05	< 0.02	0 58	87.6	454	597	111	362	41 4	4 9	22 6	1.9	8 19	1.4	3 4
R20933	16.3	26.1	1 9	1.0	1.62	0 170	0.19	< 0 02	0 25	0 03	< 0.02	0 43	49 7	260	425	68.8	224	25 2	2.9	12 8	1 2	5 56	1.0	2 4
R20934	35 3	18 8	2.3	1.6	4 00	0.024	0 04	< 0 02	0.63	0.03	< 0.02	0.77	98 0	103	191	28.3	94 4	12.4	1 7	7.2	0 8	4 10	0 7	1.9
R20935	35 1	60.4	4.5	2.4	5.66	0.364	0 99	< 0 02	0 49	0.07	< 0 02	1 05	97.7	412	610	96.3	312	39.3	5 4	26 0	2.7	13 0	2.3	5.6
R20936	45 6	13 0	5 5	2.7	2.52	0.085	0 19	< 0 02	1 01	< 0.02	< 0 02	0.88	130	86 6	134	20.8	70.2	9.1	1 3	5 9	0 6	2.94	0.5	1.2
R20937	27 6	18.8	1 8	1 6	4.15	0.060	0.11	< 0 02	0 43	0.02	< 0.02	0 45	54 8	111	186	31.0	109	14.2	2 0	8 4	0 9	4 21	0 7	1 8
R20938	28.1	53 0	3 0	2 3	19.9	0.321	0 70	< 0.02	0 61	0.06	< 0.02	1.42	101	326	479	84.4	292	37 6	5 0	24 2	2 3	11 0	1.9	4 8
R20939	29.8	30 4	1.8	2 6	4 55	0.111	0.42	< 0.02	0 45	0.05	< 0.02	0.52	51.0	139	227	37 7	136	18.6	3 1	12.0	1 2	5 68	1.0	2 6
R20940	41.9	93 5	4 2	2 8	7.21	0.472	0 81	< 0.02	0 55	0.02	< 0.02	1.25	107	428	578	122	429	62 2	10 2	39.9	4.2	20.5	3.7	9 3
R20941	27.8	88 3	3 3	2.0	12 9	0 588	0 23	< 0 02	0.51	0 03	< 0.02	1 90	121	359	1030	102	374	60.3	10.4	43 5	4 5	21 7	3.8	9 5
R20942	34.8	41.5	1.8	2.1	9 01	0.429	0 31	< 0 02	0.71	0.10	< 0 02	1.18	82 8	176	346	49.8	177	25 8	4 4	16.2	1 7	8 76	1.6	4 1
R20943	54 9	56 3	2 0	2 0	19.3	0.579	0 43	< 0 02	0.39	0.07	< 0 02	0 85	49 1	251	394	60.1	207	29.4	4.7	19 9	2 2	11 4	2.1	5 1
R20944	95.3	51.1	1 1	1 4	20.2	0.322	0.93	< 0 02	0.27	0.03	< 0.02	0 75	35.2	230	465	62.7	226	34.5	5.6	24 3	2 5	12 4	2.2	5 7
R20945	35 1	60 9	2 9	1.9	4 41	0.365	0 57	< 0 02	0 30	< 0 02	< 0.02	2 08	87.9	247	316	69.4	254	36.0	5.4	22 4	2 3	11 5	2.2	5 5
R20946	36.0	76 6	3.6	2.5	14.3	0.409	0 20	0 03	0.81	< 0 02	< 0.02	6 18	160	279	784	85.2	308	46.1	7 2	29.7	3.3	16 6	3.1	7 9
R20947	20.1	43 4	1.9	1 8	12 4	0.083	0.05	< 0 02	0 43	0 04	< 0.02	3 59	108	151	204	45.9	170	25 4	4 2	17 0	1.9	9.55	1.7	4 3
R20948	29.7	34.1	2 2	1.9	1 88	0.195	0.18	< 0 02	0.33	0 02	< 0.02	1 64	81.4	161	264	43.2	158	23 3	3.9	16 3	1.7	8 13	1 4	3 4
R20949	31.3	33.0	1.2	1 8	3.83	0.100	0.41	< 0 02	0 44	0 05	< 0.02	0.85	91.1	160	286	39.3	139	19.3	3 1	14.0	1.4	6 87	1.2	2.9
R20951	29 8	57 6	2 1	2 5	8.21	0 753	0.34	< 0 02	0 38	0.03	< 0.02	1.45	85 2	282	568	75 6	284	43 7	8 0	31.0	3.2	14 9	2 5	6 0
R20952	40.1	28 5	2 0	2 1	5.28	0 072	0 03	< 0.02	0 59	0.05	< 0.02	0.99	90 4	135	275	40 8	142	19 9	3 0	12.0	1.3	6.24	1 1	2 8
R20953	49 4	42 3	4.0	3 4	3.00	0 216	0 35	< 0 02	0.70	0.03	< 0.02	2 33	203	259	410	66 4	232	32 9	5 0	22.1	2.2	9 93	1.7	4.2
R20954	66 7	20 0	11.8	2.0	3.31	0 232	0.44	0.03	1.14	0.03	< 0 02	2.80	328	181	294	38 1	124	14.9	2 2	9 3	0.9	4.06	0.7	1.8
R20955	19.6	67 0	1 0	1.3	2 98	0.301	0 22	< 0 02	0 25	< 0.02	< 0 02	0 73	59.9	303	522	88.2	322	47 6	7.4	29 6	3.1	15 1	2.6	6.5
R20956	33.7	5.40	1 8	3 4	2 87	0.009	< 0 01	< 0 02	1.24	< 0 02	< 0.02	0 72	28 4	32 7	65.6	7.0	22 5	3 4	0.6	2.4	0 3	1 47	0.2	0.6
R20957	28.9	75 5	0 7	0.7	1.60	0.312	0 32	< 0 02	0.27	0 02	0 02	0 25	58.2	385	714	104	375	54 6	8 3	31 0	3.4	16 9	3.0	7 1
R20958	25.0	42 1	3 4	1.9	2.28	0.203	0.16	< 0.02	0.38	< 0.02	< 0.02	1.40	50 9	221	312	60.2	223	32.8	5.1	21.9	2 1	9 22	1.6	3.9
R20959	37.3	35 0	2.2	2 3	4 51	0.239	0.31	< 0 02	0 41	0 02	< 0.02	0.66	69 2	216	300	50.5	169	20.6	3 1	12 5	1 3	6 22	1.1	3 0
R20960	33 9	36.1	2 0	2.6	6 05	0 158	< 0.01	< 0 02	0.57	< 0 02	< 0 02	0 52	64 5	163	237	53.3	194	27 5	4.2	16.2	1.7	8.55	1 5	3 8
R20961	32.4	48 0	1 8	3.3	4.37	0 203	0.17	< 0 02	0 43	0 09	< 0.02	0 31	49.2	330	372	72.1	242	29.6	4 6	19 5	2 0	9 61	1.7	4.0
R20963	24 5	69 7	1.5	1.6	3.27	0 689	0.52	< 0 02	0 22	0 03	< 0.02	0.37	65 8	424	635	85.9	319	41.1	6 4	27.7	3.0	14 4	2.6	6 4
R20964	25.1	56.0	1 7	1.3	1.95	0.401	0.24	< 0.02	0 30	0.03	< 0.02	0.41	48 5	337	472	88 4	312	41 3	6.4	26.5	2.5	11 5	2.0	4.9
R20965	31.0	41.6	3.4	2.9	1 65	0.395	0 22	< 0.02	0 45	< 0.02	< 0.02	1.02	150	287	373	68.9	223	28.5	4.2	16 9	1.8	8.85	1.6	4 0
R20966	23 5	41 1	2.1	1.9	2.41	0.346	0 29	< 0.02	0 40	0.03	< 0 02	0.71	136	256	327	63.5	216	29 2	4 6	20.0	2 0	9.42	1.6	3 9
R20967	23 8	48 7	2.0	2 0	2 75	0.303	0 22	< 0 02	0 43	0.05	< 0 02	0 71	76 4	243	312	62 6	220	30.2	4 9	19.4	1.9	9 38	1.7	4 4
R20968	40 8	69.3	3 8	1 8	2.29	0 550	0 81	< 0 02	0 29	0 03	< 0.02	0 59	67.7	477	630	115	372	46 9	7.0	27 1	2 8	13 4	2 4	6 3
R20969	36 8	45 2	2.3	1.6	7.53	0.805	0.37	0 02	0 70	0 17	< 0.02	1 43	195	348	533	71.1	225	27.6	4.0	17 6	1.8	8 87	1 6	4 1
R20970	26 3	35 1	3 2	2 5	7.74	0.400	0.27	< 0.02	0 41	0 03	< 0.02	0 85	73 4	284	479	64.7	214	26 1	3.8	17 2	1.7	7.76	1.3	3 3
R20971	28 6	40.4	2 5	2.4	11.0	0 329	0 31	< 0 02	0.56	0.03	< 0.02	1.26	130	287	634	79.2	276	37.3	5.2	23 4	2 2	9 89	1 7	4.2
R20972	24 2	45 2	1.7	1 6	15.4	0.447	0.38	< 0.02	0 50	0 02	< 0 02	0 41	72 8	343	602	80 9	276	34 5	4 9	21.2	2 1	9.78	1.7	4 1
R20973	22.6	61 4	1.3	1 5	10 3	0.925	0.41	< 0 02	0 20	< 0 02	< 0.02	0.53	64 1	480	896	117	398	51.8	8.0	31.6	3 3	16 5	3 0	7 5
R20974	33 0	71.8	1 4	2.0	5.01	0 803	0 29	< 0.02	0 36	0.07	< 0.02	0.78	78 6	404	1040	99.5	339	45 2	6 8	28.5	3.0	15 1	2.6	6 8
R20975	28.6	50 3	0.7	0.8	1.58	0.409	0.42	< 0.02	0 15	< 0 02	< 0.02	0.18	54 2	303	576	83 7	287	38 0	5 6	25.9	2 4	11.1	1.9	4.5
R20976	32 1	48 4	2.7	2 2	11 8	0 267	0 29	< 0 02	0 33	0 02	< 0 02	0.58	108	326	495	82.2	282	35 1	4.8	20.4	1 9	9.09	1.7	4 3
R20977	30.0	61.2	2 1	1.6	8.42	0.270	0.49	< 0 02	0.20	< 0 02	< 0.02	0 55	75.6	437	658	106	356	45 6	6 5	28.5	2.8	13 1	2.3	5 6
R20978	21 8	75 5	1 7	1 8	7 46	0.506	0 53	< 0 02	0.37	0 03	< 0 02	0 41	49.1	428	705	102	360	49.2	7 5	35.7	3.4	15 8	2 7	6 8
R20979	36 1	3.64	1 6	2 6	5.32	< 0.002	< 0 01	< 0 02	0.46	< 0.02	< 0 02	0 45	28 5	17 9	37.7	4.2	14 5	2.3	0 4	1.5	0.2	0 941	0 2	0 4
R20980	28 3	98 1	2 2	2.0	4 70	0.468	0 41	< 0 02	0 25	0 02	< 0 02	0 71	64 8	320	541	93.1	335	51 3	6.4	33 2	3.7	18 7	3.5	9.2
R20981	33.8	41.0	1 8	1 9	4.93	0.295	0 78	< 0 02	0 58	0.03	< 0.02	1.37	166	310	599	66.1	208	25.5	3.7	16 8	1 7	8 49	1 5	3.7
R20982	53 5	16.3	5 0	1.9	5.41	0.124	0 19	< 0 02	0 79	< 0.02	< 0.02	1.22	202	123	183	28 2	92.2	11.9	1.7	8.0	0.8	3 58	0.6	1.5
R20983	28.0	32.2	2.9	2 6	3.98	0.310	0 31	< 0 02	0 44	< 0.02	< 0.02	1.20	83 3	224	293	54.3	184	24 4	3 5	15.4	1.5	6 63	1.1	2 8
R20984	31 7	33 3	3.0	2.9	2.52	0.309	0 25	< 0 02	0 64	< 0.02	< 0 02	1 18	88 4	226	319	54.9	185	23 9	3.5	15.2	1 4	6.63	1.2	2.9
R20985	24 6	29 2	3 5	2.1	2 11	1.61	0 27	< 0 02	0.43	0.02	< 0.02	1 51	105	203	247	53.1	181	23 7	3.2	13 4	1.3	5 97	1 1	2.7

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Analyte Symbol	Sr	Y	Zr	Nb	Mo	Ag	Cd	In	Sn	Sb	Te	Cs	Ba	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er
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	0.5	0.01	0.1	0.1	0.01	0.002	0.01	0.02	0.05	0.02	0.02	0.02	0.5	0.5	0.01	0.1	0.02	0.1	0.1	0.1	0.1	0.001	0.1	0.1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
R20986	46.1	20.0	7.6	2.2	6.57	0.258	0.82	0.02	0.83	0.02	< 0.02	2.41	287	176	237	44.6	150	17.7	2.3	9.1	0.9	4.12	0.7	1.9
R20987	30.0	32.0	1.9	1.3	2.35	0.299	0.64	< 0.02	0.23	0.03	< 0.02	0.79	102	267	294	63.3	210	25.3	3.6	15.3	1.4	6.43	1.1	2.8
R20988	41.1	23.4	7.9	3.5	4.25	0.467	0.49	0.02	0.81	0.02	< 0.02	2.55	404	212	324	52.9	173	20.8	2.8	11.4	1.1	5.18	0.9	2.2
R20989	43.8	22.7	3.3	2.0	3.34	0.407	0.34	0.02	0.88	< 0.02	< 0.02	2.85	382	198	384	45.0	146	17.4	2.6	11.6	1.1	5.11	0.9	2.2
R20990	32.5	20.6	2.2	2.2	3.20	0.319	0.25	< 0.02	0.59	< 0.02	< 0.02	1.43	214	165	288	40.6	136	16.8	2.3	10.2	0.9	4.45	0.7	1.9
R20991	38.0	20.8	2.7	1.7	1.96	0.572	0.28	0.02	0.72	< 0.02	< 0.02	1.65	224	190	303	41.1	130	15.0	2.0	8.7	0.8	4.14	0.7	1.9
R20992	35.6	26.3	3.5	2.1	3.45	0.433	0.34	< 0.02	0.36	0.02	< 0.02	0.82	66.0	230	315	53.1	170	20.1	2.8	11.1	1.1	5.16	0.9	2.3
R20993	37.1	36.8	2.3	2.1	4.36	1.00	0.51	< 0.02	0.63	< 0.02	< 0.02	2.11	108	264	453	62.5	202	24.9	3.7	15.9	1.6	7.53	1.3	3.4
R20994	26.4	27.9	3.9	2.9	2.82	0.684	0.28	< 0.02	0.64	0.06	< 0.02	1.71	159	287	485	59.3	189	22.7	3.2	15.3	1.4	6.16	1.0	2.5
R20995	32.2	16.3	3.2	2.8	5.30	0.204	0.66	< 0.02	0.49	0.04	< 0.02	1.14	83.9	146	211	33.6	114	14.0	2.1	9.1	0.8	3.69	0.6	1.5
R20996	19.8	30.2	1.9	1.7	6.28	0.473	0.61	< 0.02	0.33	0.03	< 0.02	0.99	58.5	233	398	55.0	183	22.7	3.3	14.5	1.3	6.03	1.0	2.6
R20997	28.3	39.4	2.0	2.4	3.32	0.739	0.38	< 0.02	0.51	0.02	< 0.02	1.76	88.2	262	692	72.2	248	32.9	4.7	20.3	2.0	8.88	1.5	3.9
R20998	31.4	37.4	3.9	2.3	2.65	0.409	0.57	< 0.02	0.50	0.03	< 0.02	1.46	79.1	204	301	59.2	212	29.0	4.6	17.6	1.7	8.02	1.4	3.6
R20999	31.6	39.8	2.7	2.0	7.59	0.458	0.89	< 0.02	0.50	< 0.02	0.05	1.82	109	275	380	70.7	238	29.8	4.4	18.4	1.8	8.15	1.4	3.5
R21000	28.0	37.5	2.9	1.7	8.13	0.432	0.72	< 0.02	0.63	0.04	< 0.02	1.53	124	259	592	62.6	213	28.2	4.4	19.8	1.8	8.17	1.4	3.4
R21001	32.7	31.5	2.9	2.4	8.23	0.388	0.47	< 0.02	0.39	< 0.02	< 0.02	1.02	89.4	243	305	57.6	200	25.0	3.6	15.4	1.4	6.29	1.1	2.8
R21002	31.7	42.5	4.0	2.8	6.53	0.576	0.56	< 0.02	0.67	0.03	< 0.02	1.76	93.0	260	427	68.8	232	29.0	4.2	16.9	1.7	8.20	1.5	3.8
R21003	51.2	23.6	5.2	1.6	11.2	0.370	0.34	0.03	0.97	< 0.02	0.04	3.31	339	206	357	48.6	159	20.1	2.8	11.7	1.2	5.40	0.9	2.3
R21004	35.4	12.6	2.2	2.3	6.71	0.146	0.20	< 0.02	0.49	< 0.02	< 0.02	1.26	138	99.0	168	24.1	83.2	10.8	1.7	7.1	0.7	2.96	0.5	1.2
R21005	32.2	23.4	4.0	2.5	4.65	0.534	0.31	0.02	0.82	< 0.02	< 0.02	3.42	318	183	317	43.2	146	19.4	2.8	12.5	1.2	5.47	0.9	2.3
R21006	30.6	29.1	3.8	2.3	10.3	0.164	0.20	0.02	0.73	0.03	< 0.02	2.03	133	151	407	50.7	193	28.6	4.3	17.1	1.6	7.63	1.3	3.3
R21007	16.9	35.6	4.6	1.6	33.3	0.387	0.58	< 0.02	0.34	0.06	< 0.02	1.24	73.9	253	471	61.6	214	28.0	4.1	17.1	1.6	7.23	1.2	3.2
R21008	45.1	31.5	4.9	1.5	7.21	0.263	0.11	0.03	0.92	< 0.02	< 0.02	3.07	281	254	493	65.6	224	29.1	4.0	15.9	1.4	6.62	1.1	2.9
R21009	31.5	17.2	2.7	2.1	11.3	0.076	0.11	< 0.02	0.55	< 0.02	0.04	1.24	109	118	240	29.3	98.7	12.5	1.9	8.3	0.8	3.86	0.7	1.6
R21010	25.8	33.2	3.1	1.9	3.14	0.452	0.41	< 0.02	0.36	0.03	< 0.02	0.98	89.8	261	392	65.5	223	27.8	4.0	15.9	1.5	6.86	1.2	3.0
R21011	24.6	28.4	2.5	1.7	3.38	0.593	0.55	< 0.02	0.44	0.02	0.02	1.46	65.5	254	547	60.3	196	24.3	3.5	16.4	1.5	6.65	1.1	2.8
R21012	23.7	45.1	4.9	2.1	5.53	1.27	0.57	< 0.02	0.42	0.05	< 0.02	1.36	103	260	472	62.8	214	30.3	5.0	20.5	2.0	9.44	1.6	4.1
R21013	20.5	25.0	5.6	1.6	6.11	0.321	0.44	< 0.02	0.34	0.04	< 0.02	0.67	96.4	188	386	47.9	164	20.4	3.2	12.3	1.1	5.28	0.9	2.3
R21014	24.2	17.3	2.3	1.3	2.18	0.527	0.54	< 0.02	0.46	0.05	< 0.02	0.99	60.5	228	342	55.9	184	20.4	2.5	10.0	0.9	3.83	0.6	1.6
R21015	22.0	24.7	2.7	1.4	4.35	0.175	0.09	< 0.02	0.42	9.45	< 0.02	1.05	76.3	195	493	51.3	169	20.4	2.9	12.2	1.2	5.60	1.0	2.4
R21016	24.3	21.7	2.3	1.8	4.03	0.185	0.22	< 0.02	0.55	0.03	< 0.02	1.08	92.3	185	365	48.0	162	20.2	2.9	12.8	1.2	5.06	0.9	2.1
R21017	28.6	22.4	5.5	1.4	5.40	0.112	0.06	< 0.02	0.54	0.03	< 0.02	1.22	110	147	284	42.3	151	20.4	2.9	13.2	1.2	5.54	0.9	2.3
R21018	23.3	46.1	2.5	1.6	2.96	0.324	0.54	< 0.02	0.38	0.02	< 0.02	1.09	118	335	652	82.7	292	37.2	5.4	23.5	2.2	9.89	1.7	4.3
R21019	60.1	23.9	10.5	1.1	1.60	0.129	0.15	0.04	1.53	0.03	< 0.02	5.08	564	203	453	48.1	162	20.2	2.7	12.1	1.1	5.18	0.9	2.3
R21020	34.1	26.4	4.2	2.9	1.96	0.443	0.37	0.02	0.68	0.03	0.06	1.92	173	212	329	48.1	155	18.6	2.7	11.3	1.2	5.45	1.0	2.4
R21021	36.2	35.4	4.7	2.7	1.65	0.406	0.57	< 0.02	0.55	0.03	< 0.02	1.76	64.2	284	411	70.7	244	31.5	4.7	19.9	1.8	8.06	1.3	3.3
R21022	33.0	28.9	3.2	2.8	1.60	0.264	0.38	< 0.02	0.77	< 0.02	< 0.02	1.67	220	212	329	51.7	172	20.8	3.0	11.6	1.1	5.27	0.9	2.4
R21023	31.8	45.9	4.4	1.5	2.68	0.427	0.53	< 0.02	0.63	0.03	0.04	1.65	176	334	700	75.8	246	29.6	4.3	18.4	1.9	9.21	1.7	4.3
R21024	30.5	23.1	2.6	1.7	5.16	0.334	0.40	< 0.02	0.38	0.05	< 0.02	0.75	48.8	190	234	42.1	141	16.6	2.4	10.4	0.9	4.34	0.8	1.9
R21025	39.1	24.3	3.1	3.1	4.24	0.141	0.33	< 0.02	0.79	0.04	< 0.02	1.65	163	181	288	43.8	148	17.3	2.5	9.7	0.9	4.35	0.8	2.0
R21026	50.4	26.0	8.1	3.3	3.06	0.546	0.97	0.03	0.94	< 0.02	0.03	2.76	88.9	247	359	58.7	187	21.9	3.0	11.2	1.2	5.64	1.0	2.6
R21027	81.7	75.8	9.2	5.5	8.47	0.702	0.69	0.04	1.32	0.06	0.10	3.59	308	585	955	131	416	51.0	7.7	31.9	3.3	15.7	2.8	7.1
R21028	33.3	32.8	2.5	1.9	5.56	0.378	0.43	< 0.02	0.62	< 0.02	0.03	1.69	166	224	440	58.2	189	23.4	3.5	15.3	1.5	7.25	1.3	3.2
R21029	42.8	19.4	5.2	3.0	1.27	0.234	0.24	< 0.02	0.63	< 0.02	< 0.02	2.11	260	187	246	40.1	132	16.2	2.4	10.5	1.0	4.35	0.7	1.8
R21030	54.7	20.7	7.0	2.5	6.06	0.417	0.26	0.03	1.15	0.02	0.04	3.33	511	197	310	43.0	138	16.6	2.3	10.2	1.0	4.39	0.8	1.9
R21031	38.0	41.4	3.5	1.8	3.86	0.241	0.44	0.02	0.77	< 0.02	< 0.02	2.33	191	285	552	71.0	234	29.0	4.0	16.1	1.6	7.86	1.4	3.7
R21032	38.7	32.1	6.3	1.1	2.26	0.363	0.12	0.02	0.88	< 0.02	0.02	3.09	333	292	678	70.0	226	27.7	3.8	17.6	1.7	7.33	1.3	3.2
R21033	40.5	29.5	4.0	1.4	3.13	0.163	0.21	0.02	0.82	0.04	< 0.02	1.95	224	220	421	53.0	181	22.2	3.2	14.0	1.3	5.72	1.0	2.6
R21034	34.1	38.6	2.9	1.3	4.33	0.288	0.74	0.02	0.65	< 0.02	0.03	1.79	156	268	481	61.8	203	24.5	3.5	13.9	1.4	6.95	1.3	3.4
R21035	33.0	33.2	3.2	2.1	2.82	0.269	0.66	< 0.02	0.49	0.10	< 0.02	1.44	71.9	230	351	54.6	179	21.9	3.3	13.7	1.4	6.74	1.2	3.1
R21036	41.3	21.4	4.6	1.3	3.55	0.501	0.20	0.02	0.86	< 0.02	0.03	2.31	275	164	312	36.8	121	15.6	2.3	10.3	1.0	4.71	0.8	2.0
R21037	23.9	60.4	2.0	1.8	4.46	0.363	0.57	< 0.02	0.42	0.02	< 0.02	0.83	65.9	371	752	92.8	308	38.7	5.7	23.5	2.2	10.6	2.0	5.2

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Analyte Symbol	Sr	Y	Zr	Nb	Mo	Ag	Cd	In	Sn	Sb	Te	Cs	Ba	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er
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	0.5	0.01	0.1	0.1	0.01	0.002	0.01	0.02	0.05	0.02	0.02	0.02	0.5	0.5	0.01	0.1	0.02	0.1	0.1	0.1	0.1	0.001	0.1	0.1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
R21038	42.0	3.66	2.1	2.7	5.68	0.008	0.04	< 0.02	0.54	< 0.02	< 0.02	0.43	27.3	18.3	39.1	4.1	13.8	2.2	0.4	1.4	0.2	0.927	0.2	0.4
R21039	28.3	28.3	2.4	2.4	3.25	0.240	0.32	< 0.02	0.45	< 0.02	0.02	1.10	119	222	334	52.1	168	19.3	2.8	11.6	1.2	5.59	1.0	2.4
R21040	33.0	32.9	2.7	1.8	1.64	0.577	0.26	0.02	0.66	< 0.02	< 0.02	2.27	249	194	669	47.1	154	20.2	3.0	14.5	1.5	7.30	1.3	3.2
R21041	42.9	19.4	6.6	1.4	1.64	0.255	0.07	0.03	1.16	< 0.02	< 0.02	3.59	476	167	302	39.1	127	16.1	2.2	10.1	1.0	4.59	0.8	2.1
R21042	36.6	23.0	3.5	2.7	0.76	0.310	0.31	< 0.02	0.63	0.05	< 0.02	1.97	114	188	330	48.3	161	19.6	2.7	10.9	1.0	4.75	0.8	2.1
R21043	38.3	23.2	2.3	1.6	1.45	0.417	0.34	0.03	0.85	< 0.02	0.06	2.87	310	201	276	42.3	133	15.5	2.2	9.5	1.0	4.89	0.9	2.2
R21044	31.1	29.4	2.4	1.9	2.80	0.298	0.49	0.02	0.77	0.02	0.03	2.39	181	204	340	48.9	166	20.7	3.1	13.1	1.2	5.75	1.0	2.6
R21045	28.1	38.2	2.2	1.6	4.77	0.252	0.45	< 0.02	0.58	< 0.02	< 0.02	1.92	121	240	421	62.0	210	26.3	3.7	14.7	1.5	7.07	1.3	3.4
R21046	36.8	36.2	2.8	1.8	5.70	0.211	0.35	0.03	0.86	< 0.02	< 0.02	2.66	211	220	352	59.2	200	25.5	3.6	14.8	1.6	7.44	1.3	3.5
R21047	28.7	25.8	2.8	1.9	2.09	0.571	0.28	< 0.02	0.71	< 0.02	< 0.02	2.22	203	212	321	49.0	160	20.2	3.0	13.0	1.3	5.72	1.0	2.4
R21048	29.5	26.9	1.4	1.5	5.32	0.173	0.39	< 0.02	0.63	0.03	< 0.02	1.21	113	154	257	38.2	130	17.3	2.6	10.9	1.1	5.29	0.9	2.4
R21049	46.8	24.3	9.7	1.1	4.11	0.605	0.13	0.04	1.42	< 0.02	0.03	4.67	501	302	419	63.8	199	21.5	2.7	11.3	1.0	4.61	0.8	2.1
R21050	43.9	39.1	7.0	3.3	2.32	0.502	1.14	0.03	1.00	0.04	< 0.02	3.31	215	258	348	66.0	221	27.8	3.7	15.5	1.6	7.39	1.4	3.5
R21051	42.3	30.6	3.7	2.6	3.26	0.337	0.38	0.02	0.89	0.03	0.06	2.69	271	185	299	44.0	145	18.6	2.7	11.9	1.3	6.07	1.1	2.8
R21052	48.3	27.4	10.8	1.4	2.42	0.387	0.19	0.03	1.10	0.03	0.06	3.66	329	186	338	42.1	138	18.1	2.6	12.1	1.3	5.78	1.0	2.4
R21053	44.8	36.4	5.8	1.6	2.91	0.478	0.24	0.03	1.14	0.04	< 0.02	3.83	349	214	376	51.9	171	22.7	3.2	13.7	1.4	6.64	1.2	3.4
R21054	42.8	42.8	15.4	3.9	6.84	0.554	0.40	0.02	0.83	0.03	< 0.02	2.99	33.2	348	416	82.8	274	33.6	4.4	19.4	1.9	8.91	1.6	4.1
R21055	15.7	51.2	4.0	1.9	9.05	0.425	0.41	< 0.02	0.27	0.05	< 0.02	0.75	43.2	365	552	87.0	296	38.2	5.2	22.9	2.2	9.99	1.7	4.4
R21056	30.2	36.0	4.7	2.4	3.78	0.425	0.76	< 0.02	0.40	0.04	< 0.02	0.95	73.1	271	466	69.0	239	29.0	4.0	16.5	1.5	7.16	1.3	3.2
R21057	37.7	36.5	3.3	2.1	3.05	0.362	0.21	0.02	0.75	0.03	0.06	1.93	176	231	504	57.7	192	24.2	3.4	15.6	1.6	7.77	1.4	3.4
R21058	35.1	15.6	3.5	1.4	3.97	0.081	0.21	0.02	0.79	< 0.02	0.03	1.57	178	104	183	24.7	85.1	10.9	1.6	7.0	0.7	3.22	0.6	1.4
R21059	34.5	25.1	2.6	1.8	1.67	0.422	0.59	0.02	0.63	0.02	0.05	1.78	126	208	350	48.2	153	18.1	2.4	9.4	1.0	4.88	0.9	2.3
R21060	46.8	22.7	4.2	1.8	1.42	0.297	0.31	0.02	0.78	< 0.02	< 0.02	2.22	233	214	374	48.6	156	18.1	2.5	11.3	1.1	4.88	0.8	2.1
R21061	29.7	43.8	2.9	1.6	3.20	0.438	0.25	0.02	0.58	< 0.02	0.04	2.62	170	329	821	85.2	296	37.2	5.3	23.2	2.1	9.52	1.6	4.0
R21062	38.1	18.4	4.0	1.7	0.97	0.175	0.25	0.02	0.91	0.02	< 0.02	2.79	350	157	229	37.2	122	14.5	2.0	7.8	0.8	3.49	0.6	1.7
R21063	52.5	22.3	7.3	2.2	0.90	0.339	0.29	0.03	1.14	0.02	< 0.02	3.57	530	192	317	43.7	139	16.5	2.3	9.4	0.9	4.51	0.8	2.1
R21064	29.3	38.3	1.7	1.5	2.18	0.397	0.68	< 0.02	0.27	0.04	< 0.02	0.76	60.9	288	407	71.8	238	28.7	4.3	17.6	1.7	7.89	1.4	3.3
R21065	35.5	55.6	3.5	2.0	2.85	0.664	0.69	< 0.02	0.38	0.03	< 0.02	0.79	70.8	386	504	87.1	296	37.6	5.7	25.0	2.4	10.5	1.9	4.7
R21066	29.9	69.0	3.9	2.4	2.79	0.828	1.08	< 0.02	0.71	0.05	< 0.02	1.54	71.6	414	641	110	390	49.3	7.4	31.5	2.9	13.6	2.4	6.2
R21067	20.7	38.0	1.3	1.3	2.67	0.348	0.53	< 0.02	0.21	0.03	< 0.02	0.98	62.2	229	355	68.4	249	33.8	5.1	18.8	1.8	8.12	1.4	3.6
R21068	24.1	39.3	3.8	2.0	3.99	0.453	0.34	< 0.02	0.38	0.05	0.06	1.10	74.2	268	393	61.3	198	23.6	3.6	14.1	1.5	7.25	1.3	3.4
R21069	40.0	35.4	3.1	2.0	4.09	0.209	0.41	0.02	0.74	0.03	0.02	1.93	213	231	406	61.1	213	27.3	4.0	16.7	1.5	7.04	1.3	3.2
R21070	35.4	30.8	2.4	2.1	4.49	0.285	0.39	< 0.02	0.55	0.05	0.02	1.34	133	208	376	52.5	172	21.3	3.0	11.5	1.1	5.58	1.1	2.8
R21071	34.7	41.0	2.8	1.8	3.72	0.485	0.40	0.02	0.49	< 0.02	0.07	1.68	111	257	620	84.6	211	26.9	4.0	17.8	1.8	8.72	1.5	3.9
R21072	36.8	28.9	3.4	2.2	1.66	0.457	0.31	< 0.02	0.53	< 0.02	< 0.02	1.77	119	212	387	53.0	173	21.4	3.2	13.5	1.3	6.01	1.1	2.6
R21073	32.5	29.3	3.2	2.4	3.28	0.533	0.47	< 0.02	0.49	< 0.02	0.02	1.42	156	213	336	54.2	181	22.4	3.2	13.1	1.2	5.78	1.0	2.7
R21074	34.8	39.3	2.9	2.0	1.52	0.357	0.50	< 0.02	0.39	< 0.02	0.03	1.48	57.3	268	404	69.4	235	28.9	4.2	16.1	1.6	7.49	1.4	3.6
R21075	52.4	35.0	5.6	2.5	1.98	0.235	0.23	0.03	0.98	0.03	0.03	2.92	414	233	449	59.5	202	26.0	3.6	14.6	1.5	7.55	1.4	3.6
R21076	44.4	3.23	1.8	2.6	7.25	0.002	0.03	< 0.02	0.37	< 0.02	0.03	0.37	29.6	15.0	31.0	3.3	11.1	1.9	0.4	1.3	0.2	0.839	0.1	0.4
R21077	25.5	61.9	2.1	1.8	4.13	0.350	0.76	< 0.02	0.30	0.03	< 0.02	0.82	54.8	343	759	82.6	290	38.2	6.6	27.3	2.6	12.2	2.1	5.5
R21078	56.6	25.1	4.6	1.7	2.07	0.176	0.22	0.03	0.99	0.03	< 0.02	2.16	260	172	335	42.8	147	19.1	2.9	12.2	1.1	5.20	0.9	2.3
R21079	41.7	25.3	2.9	2.1	3.02	0.142	0.25	0.02	0.73	< 0.02	< 0.02	1.62	194	165	291	44.4	152	18.8	2.7	11.0	1.0	4.96	0.9	2.3
R21080	44.4	38.9	4.1	2.8	2.77	0.321	0.56	0.02	0.71	0.02	0.07	2.27	159	286	452	68.6	222	26.2	3.7	15.6	1.6	7.32	1.3	3.4
R21081	31.2	50.8	3.0	2.4	4.35	0.489	0.50	< 0.02	0.48	0.05	< 0.02	1.29	109	309	540	82.0	284	35.2	5.3	21.2	2.1	9.87	1.8	4.6

Analyte Symbol	Tm	Yb	Lu	Hf	Ta	W	Re	Au	Tl	Pb	Th	U
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm
Detection Limit	0 1	0 1	0 1	0 1	0 05	0.1	0 001	0 5	0.02	0 01	0.1	0.1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
R20932	0.4	2.8	0.4	0.1	< 0.05	1 0	0.005	3.1	0 19	6 09	5.1	4 9
R20933	0.3	1 8	0 3	< 0.1	< 0 05	0.5	0.001	< 0 5	0.09	3 91	2.5	1 6
R20934	0.3	1.5	0 2	< 0 1	< 0 05	0.3	< 0 001	0 5	0.17	6.08	6.8	4.1
R20935	0.7	4.4	0 6	< 0 1	< 0 05	0.9	0 005	1 5	0.26	7.45	4.9	11.2
R20936	0.2	1.0	0 1	< 0 1	< 0 05	0 4	0.003	1 0	0 25	6.12	11.2	3.4
R20937	0.2	1.5	0.2	< 0 1	< 0 05	0.4	0 001	< 0.5	0 09	4 13	5 8	4 2
R20938	0.6	4.0	0 6	< 0 1	< 0.05	1 4	0.009	1.7	0.41	11 8	8.0	93.8
R20939	0.3	2.1	0 3	< 0.1	< 0.05	0.4	< 0 001	< 0 5	0 23	6.04	5.6	8 4
R20940	1.2	7.1	1.1	< 0 1	< 0.05	1.4	0 006	1.8	0 61	9.53	14.8	29.9
R20941	1.3	8.1	1.2	< 0 1	< 0 05	1.6	0 002	2 4	0.61	14.9	24 2	32.5
R20942	0.6	3 3	0 5	< 0.1	< 0.05	0.6	0.003	1 0	0 22	10.7	4 2	11.1
R20943	0.7	3 9	0.6	< 0 1	< 0.05	0 7	0.003	6 2	0.32	8 84	3 8	34 2
R20944	0 8	4.7	0.7	< 0.1	< 0.05	1 2	0.004	1.6	1 19	8.58	2.6	33.1
R20945	0.7	4.3	0 7	< 0.1	< 0.05	0.8	0 003	1 4	0 35	12 9	5 7	34.0
R20946	1.1	6.7	1 0	< 0 1	< 0.05	1.1	0.002	0 5	0 74	19 4	29.5	50.3
R20947	0.6	3.5	0.5	< 0 1	< 0.05	0.6	< 0.001	< 0 5	0.31	9.08	9 8	15.8
R20948	0.4	2 5	0.4	< 0.1	< 0.05	0.5	< 0.001	< 0 5	0 36	5 12	9 1	14.8
R20949	0.4	2 2	0 3	< 0 1	< 0 05	0.4	0.001	0 9	0.13	6 79	4 5	6.8
R20951	0.8	4 7	0 7	< 0 1	< 0 05	1.0	0.002	0.9	0 55	7 75	7.1	20.5
R20952	0.4	2 3	0 3	< 0 1	< 0 05	0.4	0.002	0.7	0 17	8 30	6 1	8 0
R20953	0.5	3 0	0.5	< 0 1	< 0 05	0.8	0.002	0.8	0 50	11 2	19.0	17.9
R20954	0.2	1 4	0.2	< 0.1	< 0.05	0.3	0.001	1.8	0.70	16.2	29.0	10.1
R20955	0.9	5 1	0.7	< 0.1	< 0.05	1.0	0.002	3 0	0 17	3 88	5.8	21.8
R20956	< 0 1	0.5	< 0.1	< 0 1	< 0.05	0.1	< 0.001	1.7	0 06	5.18	12.4	1 1
R20957	0 9	5 2	0.7	< 0 1	< 0.05	1 5	0.004	0.9	0 33	5.67	1 1	15 0
R20958	0 5	3 0	0.5	< 0 1	< 0 05	0 7	0.001	< 0.5	0 41	5.37	14 7	15.3
R20959	0.4	2.4	0 4	< 0 1	< 0 05	0.4	0.002	1 7	0.27	4 91	5 1	6.6
R20960	0 5	3 1	0 5	< 0 1	< 0 05	0.6	0.002	< 0.5	0 13	4.88	13 3	5 7
R20961	0.5	2.9	0.4	< 0.1	< 0 05	0 7	0.002	1.0	0 23	3.94	11 2	6 0
R20963	0 8	4.7	0 7	< 0.1	< 0 05	0 9	0.002	1.5	0 34	3.66	5 5	3.8
R20964	0.7	3.8	0.6	< 0.1	< 0 05	0.9	0.002	2.5	0 23	4.49	5.3	4.0
R20965	0.5	3.0	0.4	< 0 1	< 0 05	0.6	0.002	1.3	0 50	7.46	18 0	3.0
R20966	0.5	3.0	0.5	< 0 1	< 0.05	0.6	0.002	1 0	0.26	6.03	8 9	2 6
R20967	0.8	3.5	0.5	< 0 1	< 0.05	0 7	0.002	< 0 5	0 27	5 89	7.6	2 1
R20968	0 8	5 0	0.8	< 0.1	< 0 05	1.0	0.002	1 0	0 52	5 26	9 5	5 1
R20969	0.5	3 2	0.5	< 0.1	< 0 05	0.6	0.006	1.4	0 63	11.4	24.8	4 6
R20970	0 4	2 5	0.4	< 0 1	< 0 05	0.8	0.005	< 0 5	0 43	7.23	9.1	10 5
R20971	0 6	3 6	0 6	< 0.1	< 0 05	0.8	0.017	5 8	0.50	9 26	19.9	11 2
R20972	0.6	3 4	0 5	< 0.1	< 0 05	0.8	0.011	1.2	0.38	8.29	5 3	8 4
R20973	1.0	6 1	0 9	< 0 1	< 0 05	1.1	0.005	< 0 5	0.50	5 71	3 9	7.7
R20974	0.9	5.1	0 7	< 0.1	< 0 05	1.0	0.005	1.0	0.38	6.83	4.8	5.7
R20975	0.6	3.3	0.5	< 0 1	< 0.05	1.5	0.004	< 0.5	0 13	4.88	1.2	4.5
R20976	0.6	3 6	0 6	< 0 1	< 0 05	0.8	0.020	1 1	0 45	4.54	12.9	7.3
R20977	0 7	4.1	0.6	< 0.1	< 0.05	1 0	0.034	1.2	0.54	3 69	6.7	6 7
R20978	0.9	5 2	0.8	< 0.1	< 0.05	1 1	0.008	1.8	0 39	4.58	4 3	6 5
R20979	< 0.1	0 4	< 0 1	< 0.1	< 0.05	0 2	< 0.001	< 0 5	0 05	3 41	5 4	0 7
R20980	1.3	7.5	1 1	< 0.1	< 0.05	1.1	0.002	1 5	0 24	4 83	5 5	18 4
R20981	0.5	2 7	0 4	< 0 1	< 0.05	0.6	0.001	0 7	1.00	9 24	13 6	5.1
R20982	0.2	1 1	0.2	< 0 1	< 0.05	0.3	< 0.001	< 0 5	0 45	7 60	18.5	6.1
R20983	0.4	2.4	0.4	< 0.1	< 0 05	0.6	0.001	1 1	0.36	6.08	13 8	5 9
R20984	0.4	2 4	0 4	< 0.1	< 0 05	0.6	0.002	1 1	0.44	7 18	14 4	6.5
R20985	0.4	2 1	0 3	< 0 1	< 0 05	0.5	0.001	1 3	0 52	7.51	18 5	4.5

Analyte Symbol	Tm	Yb	Lu	Hf	Ta	W	Re	Au	Tl	Pb	Th	U
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm
Detection Limit	0 1	0.1	0.1	0 1	0 05	0.1	0.001	0 5	0 02	0.01	0.1	0 1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
R20986	0.2	1 5	0 2	< 0.1	< 0 05	0 4	0.001	1 3	0 92	12 6	28.1	7.4
R20987	0.4	2 2	0.4	< 0.1	< 0.05	0 5	0.001	< 0.5	0.24	3.85	6.3	4 3
R20988	0.3	1 7	0.3	< 0 1	< 0.05	0 5	0.002	2.4	1.02	12.2	26.7	5 9
R20989	0.3	1 7	0.3	< 0 1	< 0.05	0.4	0.002	1.5	1 00	13 6	35.5	3.1
R20990	0.3	1.6	0 2	< 0.1	< 0.05	0 4	0.002	1.1	0 43	7.22	17.6	2.0
R20991	0.3	1 6	0 2	< 0 1	< 0 05	0.3	0.001	0 8	0.65	10 4	25.9	1.7
R20992	0.3	1 7	0 3	< 0.1	< 0 05	0.5	0.003	0 9	0 29	6.56	7.1	2 1
R20993	0.5	2 8	0.4	< 0 1	< 0 05	0.6	0.001	< 0 5	0 65	9.33	20.1	4 4
R20994	0 3	1.8	0 3	< 0 1	< 0.05	0 6	0.001	2.3	0 53	8 88	28 6	2.2
R20995	0 2	1 1	0 2	< 0.1	< 0.05	0 4	0 001	< 0 5	0.30	9 04	7 6	2.5
R20996	0 4	2 2	0 3	< 0 1	< 0.05	0.5	0.001	1 0	0.43	6 20	7.2	3 7
R20997	0.5	3 3	0.5	< 0 1	< 0 05	0 7	0.002	1 3	0 49	10.5	12 5	5.8
R20998	0.5	2 8	0 4	0 1	< 0 05	< 0 1	0.004	1 1	0.45	7.34	7.6	2.8
R20999	0.5	2 7	0.4	< 0 1	< 0 05	< 0.1	0 005	1.5	0 61	8.39	10.1	4.0
R21000	0.5	2 8	0.5	< 0.1	< 0 05	< 0.1	0.004	< 0 5	1.09	8 79	14.0	3.5
R21001	0.4	2 2	0 3	< 0 1	< 0.05	< 0.1	0 005	1 9	0.36	4 87	6.8	4.2
R21002	0.5	3 1	0 5	< 0 1	< 0.05	< 0.1	0 006	0 9	0.47	8.95	10 4	4.1
R21003	0.3	1.8	0 3	< 0 1	< 0.05	< 0.1	0 004	4 1	0.81	17.0	33.3	8.8
R21004	0.1	0 9	0 1	< 0 1	< 0.05	0.1	0 002	< 0 5	0 28	7 18	10.1	2.8
R21005	0 3	1.8	0 3	< 0 1	< 0.05	< 0.1	0 003	3.3	0 90	14.7	36.9	4.0
R21006	0 5	2 9	0 5	< 0.1	< 0.05	< 0.1	0 004	3.6	0.39	14 5	17.8	7.0
R21007	0 4	2 7	0.4	< 0.1	< 0 05	< 0.1	0 005	2.2	0 46	7 70	6 4	9.8
R21008	0.4	2 6	0.4	< 0.1	< 0 05	< 0 1	0.004	4 3	0.69	17 0	26 9	5 7
R21009	0.2	1 3	0 2	< 0.1	< 0 05	< 0 1	0.002	29 2	0 28	5.63	10.1	2.6
R21010	0.4	2 4	0.4	< 0.1	< 0 05	< 0 1	0.006	< 0 5	0.32	5.81	6 6	2 8
R21011	0.4	2 0	0.3	< 0.1	< 0 05	< 0.1	0.003	3 2	0 37	6.96	8 3	4.7
R21012	0.6	3 4	0.5	< 0 1	< 0 05	< 0 1	0.004	3 2	0 54	7.57	10 7	4 1
R21013	0 3	2 0	0.3	< 0 1	< 0 05	0.2	0.004	3 2	0 70	6 69	9 3	4.4
R21014	0 2	1 2	0 2	< 0 1	< 0.05	< 0.1	0.002	2 3	0 33	7.25	6 6	2.2
R21015	0.3	1 8	0.3	< 0.1	< 0 05	< 0.1	0 004	2.8	0 22	7.24	5.9	3 3
R21016	0.3	1 6	0.2	< 0.1	< 0 05	< 0.1	0.004	6 8	0.25	6 56	10.0	3.0
R21017	0.3	2 0	0.3	< 0 1	< 0 05	0 1	0 004	2 8	0 20	7 52	9.3	4.1
R21018	0.6	3 5	0.6	< 0.1	< 0.05	< 0 1	0.005	3 3	0 42	5 53	5 6	5 2
R21019	0 3	1.9	0.3	< 0 1	< 0.05	0 1	0.005	2 9	1.29	21 5	47.6	4.4
R21020	0 3	1 7	0 3	< 0.1	< 0.05	< 0 1	0 003	2 0	0 55	10 0	14.1	2 5
R21021	0.4	2 6	0 4	< 0 1	< 0.05	< 0.1	0 007	2.6	0 50	8 16	12 6	3.2
R21022	0.3	1.8	0 3	< 0.1	< 0 05	< 0.1	0 003	2 5	0.44	8 41	10 1	2.0
R21023	0 6	3 3	0 5	< 0 1	< 0 05	< 0.1	0.005	2.4	0 88	7.94	22 0	3 3
R21024	0.3	1 8	0 3	< 0 1	< 0 05	< 0 1	0.004	4.7	0 26	5 18	5.0	2.7
R21025	0.3	1.6	0 2	< 0.1	< 0.05	< 0.1	0 004	3 2	0.47	10.6	11 7	1.7
R21026	0.3	2 1	0 3	< 0.1	< 0 05	< 0.1	0.006	4.3	1 05	13 1	28 4	4.0
R21027	0.9	5 4	0 8	< 0 1	< 0.05	< 0.1	0 008	< 0 5	1 09	17.8	40 4	5 3
R21028	0.4	2.5	0 4	< 0.1	< 0 05	0.4	0.002	1 7	0.66	10 7	20 7	2.3
R21029	0.2	1 3	0 2	< 0.1	< 0 05	< 0.1	0.004	2.7	0.59	7.55	19 3	1 7
R21030	0 3	1.6	0 3	< 0 1	< 0 05	< 0.1	0 006	3.6	0 99	17 0	40 0	2.9
R21031	0.5	3 0	0 5	< 0 1	< 0 05	< 0.1	0.005	3 7	0 63	10 1	24 6	5.7
R21032	0.4	2 5	0.4	< 0 1	< 0 05	< 0.1	0 006	4.2	0 89	13.4	52.7	4 7
R21033	0.4	2 3	0 4	< 0.1	< 0 05	< 0 1	0.003	< 0 5	0 59	10.9	26.0	3.3
R21034	0 5	2 7	0.4	< 0.1	< 0.05	< 0.1	0.003	2 7	0.95	9.83	14.8	4 0
R21035	0 4	2 3	0 3	< 0 1	< 0 05	2.3	0.004	2 0	0.34	8 31	7 8	3 2
R21036	0 3	1.5	0 2	< 0 1	< 0 05	< 0.1	0.004	2 8	0.81	12.0	34.4	1 8
R21037	0 7	4 3	0 7	< 0 1	< 0.05	< 0.1	0 007	< 0.5	0.35	5 70	5.3	3.1

Analyte Symbol	Tm	Yb	Lu	Hf	Ta	W	Re	Au	Tl	Pb	Th	U
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm
Detection Limit	0.1	0.1	0 1	0 1	0.05	0 1	0.001	0 5	0.02	0.01	0.1	0.1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
R21038	< 0 1	0.3	< 0 1	< 0.1	< 0 05	0.2	0.002	0.7	0.03	3.38	5 6	0.7
R21039	0 3	1.7	0.3	< 0 1	< 0 05	< 0.1	0.004	3.5	0.36	5 96	8.6	2.1
R21040	0 4	2.5	0.4	< 0.1	< 0.05	< 0.1	0 003	1 4	0.89	9.48	24.3	2.5
R21041	0 3	1.7	0 3	< 0 1	< 0.05	< 0 1	0 002	3 2	0 87	15 1	42.0	3 1
R21042	0.3	1 6	0.2	< 0.1	< 0.05	< 0.1	0.003	1 7	0.69	7.81	15.2	2 3
R21043	0.3	1 7	0 2	< 0.1	< 0 05	< 0.1	0.003	1 2	0 79	11 4	29.5	2.5
R21044	0.4	2 1	0.3	< 0 1	< 0 05	< 0.1	0.003	1.9	0.65	11.1	19.7	4.6
R21045	0 5	2 9	0.4	< 0 1	< 0.05	< 0.1	0.004	2 8	0.49	9.24	16 7	6.3
R21046	0.5	2 7	0 4	< 0.1	< 0 05	< 0.1	0.003	1.7	0.54	11 5	24.9	9.4
R21047	0.3	1 8	0 3	< 0 1	< 0.05	< 0 1	0 003	1.7	0 68	10.9	26.9	4 1
R21048	0.3	2.0	0.3	< 0 1	< 0.05	< 0.1	0.004	< 0 5	0 42	7.44	13 9	4 7
R21049	0.3	1.7	0.3	< 0 1	< 0.05	< 0.1	0.003	3 9	1.13	25 8	49 3	8.1
R21050	0 5	2.8	0 4	< 0.1	< 0.05	< 0.1	0.006	1 8	0.84	15 9	28 7	7.7
R21051	0 4	2 1	0 3	< 0 1	< 0 05	< 0.1	0.002	1 2	0 61	13 2	23.1	3.4
R21052	0.3	1 8	0.3	< 0.1	< 0.05	< 0.1	0 003	1.9	0.90	19 0	41.5	3.8
R21053	0.5	2.7	0.4	< 0.1	< 0.05	< 0 1	0.005	3.4	0 97	23 8	50.3	5 0
R21054	0.5	3 1	0.5	0.3	< 0.05	< 0 1	0 006	2.1	0.74	14 3	37.8	11.9
R21055	0.6	3 5	0.5	< 0 1	< 0.05	< 0.1	0.006	4 0	0 46	5 34	11.9	11.4
R21056	0.4	2 7	0.4	< 0 1	< 0 05	< 0 1	0 004	3 7	0.28	7 34	7.3	7.6
R21057	0.5	2 5	0 4	< 0 1	< 0 05	< 0 1	0 003	5 3	0 56	8.91	18.9	9.3
R21058	0.2	1.2	0 2	< 0 1	< 0.05	< 0.1	0 002	< 0 5	0 43	8.78	18.7	3 7
R21059	0.3	1.8	0 3	< 0.1	< 0 05	< 0.1	0.003	2 4	0 57	9 24	14 9	4 0
R21060	0.3	1.6	0.2	< 0 1	< 0 05	< 0.1	0.002	1 7	0.69	11.1	24.3	4.2
R21061	0 6	3 4	0.6	< 0.1	< 0 05	< 0 1	0 004	3.5	0.63	12 6	26 8	7.5
R21062	0 2	1.3	0.2	< 0 1	< 0 05	< 0 1	0.002	< 0.5	0.86	11.4	25.7	2 3
R21063	0 3	1.7	0 2	< 0 1	< 0 05	< 0.1	0.003	3 9	1 05	14 1	39.7	2 7
R21064	0 4	2 3	0.4	< 0.1	< 0.05	< 0 1	0 005	2.4	0 29	5 30	6.2	2.5
R21065	0 6	3.6	0.6	< 0 1	< 0.05	< 0.1	0.007	3 0	0 42	4.64	7 2	3.0
R21066	0 9	5.2	0.8	< 0.1	< 0.05	< 0.1	0.009	3 7	0 41	10 0	10.1	6.0
R21067	0 5	2 9	0.4	< 0.1	< 0.05	< 0 1	0.006	< 0 5	0.70	6 80	5.5	3 3
R21068	0.4	2 5	0.4	< 0.1	< 0.05	< 0.1	0.003	< 0 5	0 41	5.35	12.7	3 1
R21069	0.4	2 7	0.4	< 0.1	< 0.05	< 0 1	0 003	2.7	0 57	10 4	18.0	4.9
R21070	0.4	2 2	0 3	< 0 1	< 0.05	< 0.1	0 002	< 0 5	0 47	7.62	13.8	3 3
R21071	0.5	3 0	0.5	< 0 1	< 0.05	< 0.1	0.004	2.7	0.66	15.5	21.2	2.8
R21072	0.3	2.0	0 3	< 0.1	< 0 05	< 0.1	0.003	2.9	0 62	8.28	20.8	2 7
R21073	0 4	2 2	0.3	< 0.1	< 0.05	< 0.1	0.004	2 6	0 52	8.65	18.7	3.4
R21074	0 5	2 8	0 4	< 0.1	< 0 05	< 0.1	0.003	4 2	0 55	6 85	14.3	3 3
R21075	0 5	2 8	0 4	< 0 1	< 0 05	< 0.1	0 003	3.1	0 87	13 4	36.9	3.4
R21076	< 0.1	0.3	< 0 1	< 0 1	< 0 05	0.3	0.001	0.9	0.04	2 71	5.9	0 5
R21077	0.7	4 4	0 7	< 0 1	< 0 05	< 0.1	0.006	5 2	0 21	5 12	6.2	3.7
R21078	0.3	1 9	0.3	< 0 1	< 0 05	< 0.1	0.003	< 0 5	0 69	12.0	26 7	3.4
R21079	0.3	1.9	0 3	< 0 1	< 0 05	< 0 1	0 003	2 4	0 47	8.62	17.0	3.7
R21080	0.4	2.6	0 4	< 0.1	< 0.05	< 0.1	0 005	1 5	0.70	9 09	18.9	4 6
R21081	0.6	3.7	0 6	< 0 1	< 0 05	< 0.1	0.005	5 0	0 47	9 29	12.1	4.0

Quality Control

Analyte Symbol	LOI	Li	Be	B	Na	Mg	Al	K	Bi	Ca	Sc	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Rb
Unit Symbol	%	ppm	ppm	ppm	%	%	%	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit		0 1	0 1	1	0.001	0.01	0.01	0 01	0 02	0 01	0.1	1	0.5	1	0 01	0.1	0.1	0 01	0 1	0 02	0.1	0 1	0 1	0.1
Analysis Method	GRAV	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
GXR-1 Meas		4.7	0 7	9	0 031	0 13	0 34	0 03	1470	0.88	1 3	80	7 0	891	26 2	8.4	40 5	1020	739	3.30		389	16 5	1 9
GXR-1 Cert		8.20	1 22	15 0	0.0520	0 217	3 52	0 0500	1380	0.960	1.58	80.0	12 0	852	23.6	8 20	41 0	1110	760	13.8		427	16.6	14 0
DH-1a Meas																								
DH-1a Cert																								
GXR-4 Meas		11 4	1.8	3	0 125	1 65	2.82	1.99	19 2	0.98	7.8	79	55.2	126	3.03	15 2	43 4	6480	75 9	10.4		90 8	5 8	97 7
GXR-4 Cert		11.1	1.90	4 50	0 564	1.66	7.20	4 01	19 0	1.01	7.70	87 0	64.0	155	3.09	14 6	42 0	6520	73 0	20.0		98.0	5 60	160
LKSD-1 Meas	22.99																							
LKSD-1 Cert	23 5																							
GXR-6 Meas		35 1	0 9	4	0.081	0.40	7.60	1.24	0.17	0.24	22.9	148	68 6	951	5 49	13.4	23.7	61.3	114	9 07		173	< 0.1	58 5
GXR-6 Cert		32 0	1.40	9.80	0 104	0.609	17.7	1.87	0.290	0.180	27 6	186	96 0	1010	5 58	13 8	27 0	66 0	118	35 0		330	0 940	90 0
LKSD-3 Meas	11.50																							
LKSD-3 Cert	11.8																							
OREAS 13b (4-Acid) Meas																	2130	2100				50.7		
OREAS 13b (4-Acid) Cert																	2247	2327				57		
R20944 Orig		9 3	0.7	14	0 045	0.30	1.79	0.13	0 04	0 66	1.9	27	20 9	250	2.57	38 2	34.4	172	162	2 46	0 6	< 0 1	2 4	13 5
R20944 Dup		9 5	0 8	17	0 044	0.32	1.93	0.14	0.05	0.68	2.0	29	23 5	265	2.68	39 4	35.0	180	174	2.61	0 7	< 0.1	2 3	13.9
R20959 Orig		12 9	0.5	8	0 042	0.48	1 39	0 22	0 03	0 43	2.4	32	24 7	201	1.78	9.0	16.0	62 0	103	4 28	0 5	1.7	1 7	27.5
R20959 Dup		13 2	0 5	8	0.041	0.47	1 34	0 22	0 03	0 44	2.3	33	24 4	196	1.76	9.1	16.7	62 8	105	4 08	0 5	1.4	1 9	28.1
R20973 Orig		7 7	1.2	6	0 028	0 26	2.47	0.13	0 04	0 31	1 4	27	13 8	143	2.12	7.6	11.1	182	60.4	2.71	1.1	1 9	3 8	17.6
R20973 Dup		8 4	1 2	7	0 027	0 27	2 52	0.14	0 03	0.33	1 3	30	14.7	146	2.19	7.9	11.6	191	65.8	2.86	1.2	2 2	4.3	19 1
R20987 Orig		14 5	0 3	5	0 046	0.38	1 25	0.26	0 03	0 42	2 1	22	23.2	139	0.99	6.7	21.4	97 7	96.0	2 77	0.6	< 0 1	2 0	28 5
R20987 Dup		13.1	0 3	5	0.049	0.37	1 20	0 24	0 03	0 40	2.0	21	22 6	133	0 92	6 1	19 4	92 2	106	2 99	0 6	1.7	1 5	25 8
R21010 Orig		14.0	0 5	5	0.052	0.49	1 96	0 29	0 04	0 36	2.5	32	38 2	162	2 44	10 2	30 4	94.8	97 3	4.28	0.7	2 9	1 6	33.0
R21010 Dup		14.8	0 4	6	0.043	0.47	1 82	0 28	0 04	0.36	2.5	33	36.2	150	2.29	10 0	31 0	99.6	94.6	3.98	0 6	2 3	1 9	34 6
R21024 Orig		12 2	0 4	4	0.055	0.44	1 42	0 24	0.05	0 38	2.4	32	44 1	191	2.47	9.9	20 4	57 4	93.1	3 48	0.4	< 0 1	1 0	26 6
R21024 Dup		11 8	0 4	5	0 061	0 46	1.45	0 25	0.05	0 38	2 4	32	46 8	195	2 46	9.7	20 0	58 0	99.2	3 74	0.5	1.4	1.1	25 6
R21037 Orig		13 1	0 6	5	0 035	0 43	1.96	0 24	0 05	0 29	2 2	37	27 8	174	1.73	7.0	14.7	132	86 8	3 80	0.8	3 2	2 4	26 9
R21037 Dup		14.3	0 6	6	0 037	0 45	2 03	0.26	0 05	0 31	2.5	41	30 3	182	1.81	7 3	15 8	147	101	4 10	0.9	3 1	2 6	30 4
R21051 Orig		43 5	1 0	5	0.072	1.26	3.51	0 79	0.08	0.44	6 4	62	53.5	390	3.53	17.2	41.0	112	170	9.40	0 4	< 0 1	0.8	106
R21051 Dup		44 6	1 0	9	0 074	1 30	3 64	0 83	0 08	0.46	6.3	66	54 7	399	3.65	17.6	41 5	113	173	9.52	0.5	< 0 1	1 1	111
R21067 Orig		16 9	0.5	8	0.040	0.40	1.36	0.20	< 0.02	0 28	1.7	24	19 1	120	1.05	7.8	32.1	164	105	2.96	0.6	< 0 1	2.1	30 8
R21067 Dup		15 2	0.5	2	0 041	0 40	1.38	0.20	< 0.02	0 30	1.8	28	19.7	121	1.07	7.9	32.5	168	110	3 09	0.6	1 6	2.0	32.0
R21081 Orig		22 0	0.7	6	0.070	0.66	2.64	0 39	0 06	0 39	3.8	56	49.4	240	3.12	11.2	20.4	97 3	108	5 67	0 7	< 0 1	2 5	49 2
R21081 Dup		22 8	0.7	7	0 070	0 65	2.57	0 39	0.05	0 40	3.8	57	50.1	236	2 96	10 9	20.4	100	107	5 54	0.7	< 0 1	2.8	51.3
Method Blank Method Blank		< 0 1	< 0.1	< 1	< 0 001	< 0 01	< 0 01	< 0 01	< 0.02	< 0 01	< 0.1	< 1	< 0.5	< 1	< 0.01	< 0.1	< 0.1	< 0 01	< 0.1	< 0.02	< 0 1	< 0 1	< 0.1	< 0 1
Method Blank Method Blank		< 0 1	< 0 1	< 1	< 0.001	< 0.01	< 0.01	< 0.01	< 0.02	< 0 01	< 0.1	< 1	< 0 5	< 1	< 0 01	< 0 1	< 0 1	< 0.01	< 0 1	< 0 02	< 0 1	< 0 1	< 0 1	< 0 1

Quality Control

Analyte Symbol	Sr	Y	Zr	Nb	Mo	Ag	Cd	In	Sn	Sb	Te	Cs	Ba	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er
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	0.5	0.01	0.1	0.1	0.01	0.002	0.01	0.02	0.05	0.02	0.02	0.02	0.5	0.5	0.01	0.1	0.02	0.1	0.1	0.1	0.1	0.001	0.1	0.1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
GXR-1 Meas	143	24.4	13 9	0.3	18 1	30 8	2.35	0 70	22.6	95.2	13 8	2.76	158	4 0	9.40		5 57	2 0	0 5	3 5	0 7	4 54		
GXR-1 Cert	275	32.0	38 0	0 800	18 0	31.0	3.30	0 770	54 0	122	13 0	3 00	750	7.50	17 0		18.0	2.70	0 690	4.20	0 830	4 30		
DH-1a Meas																								
DH-1a Cert																								
GXR-4 Meas	66 3	11.3	8 9	0 2	293	3.69	0 15	0 19	5.02	3.59	0 90	2 30	22 5	45 8	87.0		31 7	4 8	1.1	3.8	0 5	2.51		
GXR-4 Cert	221	14.0	186	10 0	310	4 00	0.860	0.270	5 60	4 80	0 970	2.80	1640	64.5	102		45.0	6.60	1.63	5.25	0 360	2 60		
LKSD-1 Meas																								
LKSD-1 Cert																								
GXR-6 Meas	38.3	5 90	13.3	< 0 1	1.58	0.291	0 08	0.05	0 88	1 96	< 0 02	3.09	1260	10 3	27 8		9 11	1 8	0.5	1 8	0.2	1.45		
GXR-6 Cert	35.0	14 0	110	7 50	2 40	1 30	1 00	0 260	1 70	3 60	0.0180	4.20	1300	13.9	36 0		13 0	2 67	0.760	2.97	0.415	2 80		
LKSD-3 Meas																								
LKSD-3 Cert																								
OREAS 13b (4-Acid) Meas					8.63	0.853																		
OREAS 13b (4-Acid) Cert					9 0	0.86																		
R20944 Orig	92 8	58.5	1.2	1 4	19.7	0.321	0.88	< 0.02	0.26	0 02	< 0.02	0.74	19 5	224	453	60.0	212	32 6	5.3	23 7	2.5	12.2	2.2	5.5
R20944 Dup	97.7	63 7	1.1	1 3	20.8	0.322	0.97	< 0 02	0 27	0.03	< 0.02	0.76	50 9	236	477	65 4	241	36 3	5 9	24 9	2.6	12.6	2.2	5.8
R20959 Orig	37 4	35 0	2 1	2 3	4.52	0.219	0.31	< 0 02	0 40	0.02	< 0.02	0.66	67 4	213	298	50.8	171	21.2	3 2	12.9	1 3	6 14	1 1	3.0
R20959 Dup	37.1	34 9	2 2	2.3	4 51	0 259	0.31	< 0.02	0 41	0 02	< 0.02	0.65	71.0	219	303	50.2	167	20 1	3 0	12 1	1 3	6 30	1 2	3.0
R20973 Orig	22.0	80.0	1.4	1 5	10.2	0 905	0.41	< 0.02	0.21	< 0 02	< 0 02	0 52	62 4	468	876	115	392	51 5	8.0	31 8	3 3	16.1	2.9	7 4
R20973 Dup	23.1	82 8	1 2	1 5	10.4	0 946	0 41	< 0.02	0.20	< 0 02	< 0 02	0 55	65 8	492	917	120	404	52 1	8.1	31 4	3.3	16.8	3 0	7 7
R20987 Orig	30.7	32.6	1 6	1 3	2.31	0.318	0 60	< 0.02	0.22	0 02	< 0.02	0 83	106	276	303	63 8	209	25 1	3 7	15 9	1.5	6 75	1.2	2 9
R20987 Dup	29.4	31 4	2 1	1 3	2 39	0.279	0.69	< 0.02	0.24	0.03	< 0.02	0 74	97 5	258	285	62 7	210	25.5	3.6	14 7	1.3	6 12	1 1	2.7
R21010 Orig	25.5	33.0	3.5	2 0	3.27	0.428	0.40	< 0.02	0.36	0.03	< 0 02	1.00	69 9	256	385	64 6	225	28 9	4.2	17 4	1.5	6.87	1 2	2 9
R21010 Dup	26.1	33 4	2.7	1 7	3.01	0 476	0.43	< 0.02	0.36	0 03	< 0.02	0.96	110	265	398	66 4	222	26 7	3.8	14 5	1 4	6.84	1 2	3 1
R21024 Orig	30 2	22 7	2 6	1.7	5.13	0.340	0 40	< 0 02	0 37	0 05	< 0.02	0 77	44.0	191	232	41.5	135	15.7	2.3	9.9	0.9	4.36	0 8	1.9
R21024 Dup	30.9	23 5	2.6	1.8	5 18	0.328	0.40	< 0 02	0 38	0 05	< 0.02	0 73	53.5	190	236	42.8	147	17.5	2 5	10.8	1.0	4.32	0.8	2.0
R21037 Orig	22.5	57.7	2 2	1 8	4 34	0.346	0 56	< 0.02	0 45	0 02	< 0 02	0 82	65 7	360	725	88 6	302	38.3	5.7	24 3	2.3	10 6	1.9	5 0
R21037 Dup	25.3	63.1	1.9	1 8	4.58	0.379	0.58	< 0.02	0.39	0 03	< 0 02	0 84	66.0	383	780	97.0	315	39 0	5.7	22.6	2.2	10 6	2 0	5 4
R21051 Orig	41.7	30.3	3.8	2 1	3 18	0 345	0.39	0.02	0 89	0 03	0.05	2.62	242	185	296	43.3	145	18 5	2.6	11 6	1 2	6.07	1 1	2.8
R21051 Dup	43.0	30.9	3.5	3 0	3.34	0 329	0.37	0.03	0 90	0 03	0.07	2 76	300	186	302	44.6	145	18 7	2.7	12 2	1.3	6.07	1 1	2 8
R21067 Orig	20 3	37 5	1 3	1.3	2 65	0.343	0 52	< 0.02	0.19	0.03	< 0.02	0.98	55 3	226	347	67 4	247	33 7	5 1	19 2	1.8	8 09	1 4	3.5
R21067 Dup	21 1	38 5	1 3	1.3	2 68	0 353	0.54	< 0.02	0.23	0 02	0.02	0.99	69 1	231	384	69.5	252	34 0	5.0	18 5	1.8	8 15	1 4	3 7
R21081 Orig	30 1	49 9	3.1	2 4	4.37	0.483	0 50	< 0.02	0.45	0.05	< 0.02	1.33	94 6	307	531	80 3	279	35 4	5.4	23 1	2.2	10 0	1 8	4 5
R21081 Dup	32 3	51 7	2.9	2 4	4 34	0.496	0.50	< 0.02	0.50	0 05	0.07	1.26	124	311	548	83.7	288	35 0	5.1	19 4	1.9	9.69	1 8	4 8
Method Blank Method Blank	< 0 5	< 0 01	< 0 1	< 0 1	< 0 01	< 0.002	< 0 01	< 0.02	< 0 05	< 0 02	< 0 02	< 0.02	< 0 5	< 0 5	< 0 01	< 0 1	< 0 02	< 0 1	< 0 1	< 0 1	< 0 1	< 0 001	< 0 1	< 0 1
Method Blank Method Blank	< 0.5	< 0.01	< 0 1	< 0 1	< 0 01	< 0.002	< 0.01	< 0 02	< 0 05	< 0.02	< 0 02	< 0.02	< 0 5	< 0 5	< 0 01	< 0.1	< 0.02	< 0 1	< 0.1	< 0 1	< 0.1	0.004	< 0 1	< 0 1

Quality Control

Analyte Symbol	Tm	Yb	Lu	Hf	Ta	W	Re	Au	Tl	Pb	Th	U
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm
Detection Limit	0.1	0 1	0.1	0 1	0.05	0.1	0.001	0.5	0 02	0.01	0.1	0 1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
GXR-1 Meas	0 3	1.9	0 3	0 1	< 0 05	161		3260	0 30	725	3 4	31 5
GXR-1 Cert	0.430	1.90	0 280	0 960	0.175	164		3300	0.390	730	2 44	34.9
DH-1a Meas											> 200	2610
DH-1a Cert											910	2630
GXR-4 Meas	0.1	0 8	0.1	0 2	< 0.05	12 0		455	2 89	47 3	19.2	4.4
GXR-4 Cert	0 210	1 60	0 170	6 30	0 790	30.8		470	3 20	52 0	22.5	6 20
LKSD-1 Meas												
LKSD-1 Cert												
GXR-6 Meas	0 1	0.5	< 0 1	< 0 1	< 0.05	0 8		30 4	1.53	96.7	4 9	0 7
GXR-6 Cert	0.0320	2.40	0.330	4 30	0.485	1 90		95.0	2 20	101	5 30	1 54
LKSD-3 Meas												
LKSD-3 Cert												
OREAS 13b (4-Acid) Meas												
OREAS 13b (4-Acid) Cert												
R20944 Orig	0 7	4 4	0 7	< 0 1	< 0 05	1 1	0.003	2.5	1.13	8.03	2.7	32.7
R20944 Dup	0 8	5.0	0.8	< 0 1	< 0 05	1 2	0 004	0 7	1 25	9.13	2.5	33 5
R20959 Orig	0 4	2 4	0.4	< 0 1	< 0 05	0 4	0 002	1 5	0 27	4.88	5.7	6.5
R20959 Dup	0 4	2 4	0 4	< 0 1	< 0 05	0.4	0.001	1 8	0.27	4.93	4.5	6.7
R20973 Orig	1 0	6.1	0.8	< 0 1	< 0 05	1 1	0.006	< 0.5	0.50	5 77	4 3	7.5
R20973 Dup	1.1	6 1	0 9	< 0 1	< 0.05	1 2	0 004	< 0 5	0.50	5.64	3.4	7 8
R20987 Orig	0.4	2 2	0 3	< 0 1	< 0.05	0.5	0.001	< 0 5	0.24	3.95	7.0	4 5
R20987 Dup	0.4	2 2	0 4	< 0 1	< 0.05	0.5	0.001	10 0	0 24	3 75	5.6	4.1
R21010 Orig	0.4	2 4	0.4	< 0 1	< 0.05	< 0.1	0.006	< 0.5	0.32	5 94	7.1	2 8
R21010 Dup	0 4	2 3	0 3	< 0 1	< 0.05	< 0.1	0.006	< 0 5	0 33	5 68	6.1	2 8
R21024 Orig	0.3	1.6	0.2	< 0 1	< 0.05	< 0.1	0.004	7.0	0.25	4.98	5.3	2.8
R21024 Dup	0.3	1 6	0.3	< 0 1	< 0 05	< 0.1	0.004	2 3	0.26	5.38	4.7	2.7
R21037 Orig	0.7	4 2	0.7	< 0 1	< 0.05	< 0 1	0.007	< 0 5	0.33	5 69	5.7	3 1
R21037 Dup	0.7	4.4	0 7	< 0 1	< 0 05	< 0.1	0.006	< 0 5	0 36	5 71	4.9	3 2
R21051 Orig	0 4	2 2	0.3	< 0 1	< 0.05	< 0 1	0 002	1 4	0.61	13 1	24 2	3 4
R21051 Dup	0.4	2 1	0 3	< 0 1	< 0 05	< 0 1	0.002	1 1	0.60	13 2	22.0	3 5
R21067 Orig	0 5	2 8	0.4	< 0.1	< 0.05	< 0 1	0.007	< 0.5	0 68	6.66	5.4	3 3
R21067 Dup	0.5	3.0	0.4	< 0 1	< 0 05	< 0.1	0.005	< 0.5	0.73	6.94	5.5	3 3
R21081 Orig	0.6	3.7	0.6	< 0.1	< 0.05	< 0.1	0.003	3 9	0.46	9 45	13.0	4.1
R21081 Dup	0.7	3 7	0.5	< 0 1	< 0 05	< 0.1	0.007	6.1	0 49	9.13	11.2	3 9
Method Blank Method Blank	< 0.1	< 0 1	< 0.1	< 0.1	< 0 05	< 0.1	< 0.001	< 0 5	< 0.02	< 0 01	< 0.1	< 0 1
Method Blank Method Blank	< 0 1	< 0 1	< 0.1	< 0.1	< 0.05	< 0 1	< 0 001	< 0.5	< 0 02	< 0.01	< 0 1	< 0 1

Quality Analysis ... **Actlabs** *Innovative Technologies*

Date Submitted: 20-Oct-10
Invoice No.: A10-7418
Invoice Date: 11-Nov-10
Your Reference: 30222-8 Azimut

Techni-Lab Abitibi Inc.(Actlabs)
184 Rue Principale
Ste-Germaine-Boule Quebec J0Z 1M0
Canada

ATTN: Andre Caouette

CERTIFICATE OF ANALYSIS

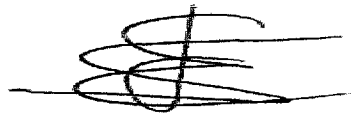
197 Pulp samples were submitted for analysis.

The following analytical packages were requested: Code 4F-LOI LOI
Code UT-1-0.5g Aqua Regia ICP/MS

REPORT **A10-7418**

Notes:
Assays are recommended for values >10,000 for Cu and Au.

CERTIFIED BY :



Emmanuel Eseme , Ph.D.
Quality Control

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Analyte Symbol	LOI	Li	Be	B	Na	Mg	Al	K	Bi	Ca	Sc	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Rb
Unit Symbol	%	ppm	ppm	ppm	%	%	%	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit		0.1	0.1	1	0.001	0.01	0.01	0.01	0.02	0.01	0.1	1	0.5	1	0.01	0.1	0.1	0.01	0.1	0.02	0.1	0.1	0.1	0.1
Analysis Method	GRAV	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
R21082	30.63	11.9	0.4	7	0.055	0.45	2.15	0 24	0.06	0.30	2.0	39	36.4	165	2.58	5.9	16.4	79.1	89.6	3.97	0.3	0.6	2.5	26.5
R21083	11.58	45.7	0.8	4	0.068	1.58	3.93	1.00	0.07	0.34	7.2	85	47.5	559	5.22	18.6	39.0	136	180	13.8	0.3	< 0.1	1.6	138
R21084	16.98	39.3	0.8	5	0.076	1.35	3.69	0.94	0.07	0.35	6.7	77	61.9	445	4.26	16.0	37.7	142	215	12.5	0.3	< 0.1	1.6	121
R21085	21.34	21.3	0.4	5	0.056	0.80	2.06	0.42	0.04	0.41	3.4	47	35.8	273	2.36	10.0	24.5	78.7	123	6.57	0.2	0.2	1.6	52.6
R21086	12.16	31.7	0.6	4	0.049	1.12	3.06	0.75	0.05	0.31	5.7	65	69.1	391	3.71	13.3	32.8	97.5	163	10.2	0.2	< 0.1	1.3	92.3
R21087	27.48	16.2	0.5	7	0.078	0.56	2.16	0.34	0.05	0.36	2.6	34	50.2	207	1.91	7.1	21.9	74.2	100	4.72	0.3	0.2	1.9	40.4
R21088	15.18	23.5	0.5	3	0.045	0.89	2.62	0.53	0.07	0.25	5.1	57	37.8	1980	7.34	32.4	32.3	110	147	7.66	0.4	< 0.1	2.5	73.4
R21089	1.14	5.4	0.1	< 1	0.032	0.28	0.50	0.13	0.03	0.25	1.0	14	69.0	124	1.10	3.6	5.8	8.52	30 2	2.43	< 0.1	< 0.1	0.2	10.9
R21090	7.78	34.6	0.7	3	0.046	1.27	3.24	0.80	0.06	0.34	6.7	72	58.6	887	4.66	18.5	33.2	115	161	11.6	0.3	< 0.1	0.8	97.9
R21091	18.82	46.1	0.8	5	0.064	1.61	4.28	1.06	0.08	0.38	8.3	95	49.9	498	4.89	19.8	50.9	216	208	14.9	0.4	< 0.1	1.8	149
R21092	17.54	35.2	0.6	4	0.064	1.23	3.26	0.75	0.05	0.44	5.7	62	47.2	398	3.64	15.2	36.2	90.9	169	11.4	0.3	< 0.1	1.0	101
R21093	18.44	27.8	0.6	4	0.051	0.95	2.73	0.59	0.06	0.25	6.0	62	35.5	477	8.16	27.1	33.6	136	167	8.61	0.4	< 0.1	2.6	91.5
R21094	19.74	37.9	0.8	5	0.065	1.22	3.25	0.73	0.07	0.46	6.0	61	45.9	437	3.40	19.7	41.8	120	169	10.5	0.4	< 0.1	1.8	114
R21095	21.79	26.9	0.6	7	0.061	0.98	2.73	0.59	0.05	0.37	4.8	51	37.2	320	2.94	12.2	32.9	107	137	9.32	0.2	0.7	1 5	79.0
R21096	24.23	19.1	0.7	5	0.053	0.72	3.13	0.39	0.07	0.24	4.1	56	38.0	259	4.18	10.1	23.8	213	126	7.04	0.5	1.3	3.2	53.2
R21097	20.41	40.7	0.7	6	0.078	1.38	4.00	0.91	0.08	0.39	7.0	80	46.6	453	4.09	17.1	44.6	157	186	14.4	0.3	< 0.1	1.3	121
R21098	17.53	21.9	0.4	5	0.055	0.81	2.26	0.48	0.05	0.34	3.9	40	38.0	243	2.33	9.1	26.1	88.4	130	8.01	0.2	0.6	1.1	68.3
R21099	20.84	36.4	0.8	6	0.058	1.07	3.06	0.65	0.08	0.41	6.0	62	49.9	355	2.92	13.2	36.6	159	245	10.6	0.4	< 0.1	1.6	92.2
R21100	15.49	27.9	0.6	5	0.070	0.85	2.62	0.54	0.05	0.30	4.3	50	38.0	275	2.38	9.9	28.2	85.0	134	8.73	0.2	0.8	1.3	79.7
R21101	20.52	28.5	0.6	6	0.054	0.90	2.74	0.54	0.07	0.33	5 2	52	36.7	288	2.66	11.8	37.0	131	169	8.73	0.3	< 0.1	1.7	78.7
R21102	10.65	45.9	0.8	5	0.067	1.73	4.47	1.04	0.11	0.41	8 6	101	55.1	627	5.74	22.6	47.7	137	187	16.1	0.3	< 0.1	1.4	155
R21103	16.78	38.0	0.9	5	0.058	1.37	4.03	0.82	0.09	0.29	7.8	79	52.3	456	4.72	20.6	43.1	165	185	13.3	0.4	< 0.1	1.6	132
R21104	17.14	25.6	0.7	4	0.049	0.87	2.62	0.50	0.07	0.33	4.7	51	35.5	316	2.58	11.0	29.2	103	143	8.69	0.3	0.1	1.4	70.5
R21105	12.06	36.9	0.7	4	0.048	1.37	3.42	0.82	0.09	0.39	7.1	68	47.7	431	3.78	18.5	42.2	82.3	184	12.6	0.3	< 0.1	0.9	123
R21106	21.78	43.7	0.9	7	0.065	1.39	4.28	0.87	0.10	0.33	8.1	85	57.7	532	5.78	18.1	49.9	179	224	14.1	0.4	< 0.1	2.0	132
R21107	15.76	42.6	0.9	7	0.043	1.45	4.16	0.81	0.11	0.31	8.3	87	64.1	473	4.39	19.2	53.0	176	218	14.0	0.4	0.4	2.2	137
R21108	10.32	37.5	0.8	4	0.047	1.41	3.42	0.79	0.08	0.39	7.2	78	51.0	580	5.40	22.0	41.6	124	171	12.4	0.3	< 0.1	1.3	114
R21109	15.05	35.5	0.7	5	0.060	1.27	3.02	0.72	0.09	0.40	6.1	65	54.8	413	3.71	14.8	39.4	105	178	11.1	0.3	< 0.1	1.7	111
R21110	18.73	38.8	0.9	6	0.052	1.36	3.76	0.76	0.09	0.33	6.6	77	56.8	481	4.39	17.6	46.4	168	197	12 8	0.4	< 0.1	2.2	129
R21111	21.11	33.3	0.7	4	0.062	1.14	3.58	0.76	0.06	0.30	6.2	69	40.7	417	4.14	14.7	40.1	172	177	11.6	0.4	0.5	1.9	102
R21112	14.46	46.2	0.7	5	0.068	1.58	4.30	1.03	0.08	0.33	8.4	88	46.0	688	6.50	22.4	46.9	160	197	15.3	0.3	< 0.1	1.4	146
R21113	21.98	30.2	0.6	4	0.061	0.83	2.58	0.61	0 05	0.36	4.4	54	33.5	303	2.70	11.2	35.2	106	168	9.13	0.3	< 0.1	1.4	85 5
R21114	14.79	44.6	0.7	4	0.064	1.72	4.19	1.17	0.07	0.43	7.9	82	49.7	563	4.95	20.6	47.3	152	199	15.8	0.3	< 0.1	1.4	161
R21115	14.30	33.9	0.7	3	0.055	1.17	3.31	0.71	0.07	0.27	6.1	71	47.0	801	6.80	22.4	33.5	109	152	10.9	0.3	< 0.1	1.5	104
R21116	23.78	20.2	0 5	7	0.051	0.78	2.66	0.48	0.05	0.30	4.3	55	32.6	401	5.30	19.3	28.5	127	184	7.52	0.4	0.1	2.8	63.6
R21117	22.27	19.2	0.5	4	0.060	0.89	2.05	0.40	0.04	0.38	3.1	45	51.2	240	2.19	8.5	23.5	102	122	6.53	0.3	0.4	1.7	47.5
R21118	38.44	7.7	0.4	7	0.042	0.33	2.38	0.18	0.03	0.23	2.7	34	16.8	134	7.48	6.3	15.6	68.4	85.3	3.36	0.5	0.8	2.5	22.7
R21119	27.37	9.1	0.7	6	0.035	0.44	2.34	0.21	0.03	0.26	2.7	46	19.3	223	4.96	8.9	13.2	114	126	4.13	0.5	0.3	2.5	24.4
R21120	22.89	17.2	0.8	4	0.055	0.73	2.48	0.38	0.04	0.33	3.7	51	32.3	251	2.96	9.5	18.6	97.0	108	6.63	0.4	0.5	1.5	47.6
R21121	26.76	18.3	0.4	11	0.059	0.75	2.32	0.45	0.03	0.33	3.6	41	22.4	271	2.78	10.3	22.0	109	123	6.77	0.4	< 0.1	1.8	58.9
R21122	1.17	5.3	0.1	< 1	0.031	0.26	0.48	0.12	0.03	0.24	1.0	14	69.4	118	1.04	3.4	6.7	8.52	23.3	2.32	< 0.1	< 0.1	0.2	10.0
R21123	10.17	30.7	0.5	2	0.066	1.30	2.94	0.74	0.04	0.46	5.8	71	47.8	507	4.34	19.3	35.1	87.5	141	11.2	0.3	0.2	1.3	96.5
R21124	13.14	5.7	0.3	2	0.034	0.25	0.87	0.10	0.04	0.29	1.6	18	47.1	112	1.07	4.2	9.2	81.2	81.4	2.34	0.2	0.5	1.4	8.6
R21125	27.22	4.4	0.4	8	0.036	0.20	1.25	0.08	0.06	0.29	1.2	23	38.7	131	1.74	6.0	13.4	88.3	95.2	2.24	0.3	0.6	1.6	7.2
R21126	21.59	9.8	0.3	3	0.051	0.35	1.39	0.19	0.10	0.35	1.7	19	54.0	130	1.29	6.9	20.7	200	230	3.38	0.3	0.4	1.9	21.3
R21127	15.05	6.9	0.5	3	0.030	0 31	1.65	0.12	0.11	0.22	2.5	31	24.8	356	5.16	20.2	11.4	87.1	71 9	3.10	0.3	< 0.1	2.0	13.3
R21128	30.53	8.9	0.3	5	0.032	0.30	1.49	0.11	0.07	0.29	1.4	25	35.2	129	3 03	6.5	19.9	76.0	99.2	3.19	0.2	0 2	1.7	11.4
R21129	23.80	8.9	0 4	4	0.039	0.29	1.41	0.12	0.04	0.32	2.0	26	34.8	124	2.37	5.2	15.5	90.6	105	2 70	0.3	< 0.1	1.6	12.6
R21130	15.95	11.5	0.4	5	0.037	1.19	1.54	0.12	0.14	0.28	2.3	39	97.4	229	3.59	19.9	59.2	65.7	109	3.55	0.2	< 0.1	1.7	12.8
R21131	31.33	10.7	0.4	4	0.041	0.44	1.17	0.19	0.03	0.44	2.3	23	24.1	169	1.29	6.1	15.3	114	120	3 67	0.5	< 0.1	1.8	22.9
R21132	27.90	13.0	0.7	8	0.039	0.51	2.17	0.27	0.05	0.36	2.5	32	20.4	258	1.94	8.3	16.1	121	148	4.65	0.5	< 0.1	2.2	32.0
R21133	30.96	7.3	0.4	8	0.031	0.26	1.51	0.13	0.03	0.33	1.4	18	27.7	146	1.37	6.4	17.7	121	133	2.47	0.4	0.3	1.9	14.2

Analyte Symbol	LOI	Li	Be	B	Na	Mg	Al	K	Bi	Ca	Sc	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Rb
Unit Symbol	%	ppm	ppm	ppm	%	%	%	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit		0.1	0.1	1	0.001	0.01	0.01	0.01	0.02	0.01	0.1	1	0.5	1	0.01	0.1	0.1	0.01	0.1	0.02	0.1	0.1	0.1	0.1
Analysis Method	GRAV	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
R21134	10.83	22.1	0.4	2	0.053	0.92	2.06	0.57	0.06	0.39	4.2	52	34.8	344	2.71	10.5	18.8	69.2	104	8.42	0.3	< 0.1	0.8	70.1
R21135	10.28	41.4	1.0	3	0.060	1.60	3.80	1.17	0.09	0.39	8.4	86	53.2	773	5.34	23.1	39.9	188	245	14.8	0.6	< 0.1	1.9	144
R21136	17.13	38.4	1.0	4	0.076	1.60	3.91	1.07	0.07	0.35	8.2	75	37.3	597	5.94	19.4	37.2	204	223	14.0	0.7	< 0.1	2.9	168
R21137	37.84	8.9	0.5	4	0.033	0.38	1.40	0.18	0.02	0.41	2.2	17	26.0	137	1.09	5.0	17.9	99.3	68.6	3.53	0.7	0.7	2.3	21.0
R21138	17.41	13.0	0.5	3	0.038	0.57	1.77	0.29	0.04	0.27	3.4	36	36.2	223	2.37	6.3	14.3	55.2	99.4	4.96	0.4	0.2	1.2	31.8
R21139	13.57	15.9	0.5	3	0.037	0.76	1.70	0.31	0.04	0.36	3.8	39	41.8	263	2.07	7.7	22.9	99.4	108	5.88	0.4	1.0	1.6	34.5
R21140	28.27	8.2	0.5	11	0.035	0.39	1.41	0.15	0.03	0.28	2.7	33	34.9	178	3.45	8.1	20.6	91.3	135	3.46	0.3	0.3	2.0	17.5
R21141	47.01	2.0	0.5	4	0.030	0.09	1.88	0.04	0.05	0.36	1.0	16	15.5	68	1.88	3.9	13.5	97.8	69.1	1.58	0.4	0.9	2.7	3.8
R21142	27.79	7.7	0.5	5	0.035	0.34	1.63	0.15	0.03	0.34	2.0	29	33.5	148	1.77	5.7	13.9	87.8	98.7	2.91	0.4	0.3	2.2	16.5
R21143	17.49	19.9	0.5	4	0.051	0.85	2.09	0.48	0.03	0.37	4.4	44	40.3	320	2.48	11.0	22.0	85.1	122	6.81	0.3	< 0.1	1.8	60.4
R21144	40.82	12.5	0.4	14	0.034	0.56	1.92	0.27	0.05	0.35	3.4	36	24.3	217	6.66	9.3	18.4	68.9	95.2	4.63	0.5	< 0.1	2.8	37.9
R21145	24.61	12.4	0.5	5	0.035	0.50	2.00	0.22	0.05	0.33	2.5	35	24.5	368	2.76	9.8	17.0	93.7	117	4.24	0.4	< 0.1	2.7	24.8
R21146	40.99	4.4	0.3	2	0.028	0.19	1.48	0.08	0.03	0.33	1.5	16	16.6	84	1.29	4.6	15.7	89.6	60.3	1.85	0.3	0.9	1.9	9.0
R21147	1.14	5.8	0.1	< 1	0.037	0.29	0.52	0.13	< 0.02	0.25	0.9	13	68.0	121	1.06	3.4	5.9	8.11	23.4	2.18	< 0.1	0.7	0.3	11.1
R21148	40.62	10.1	0.4	8	0.050	0.37	1.16	0.11	0.05	0.39	1.2	19	18.4	137	1.19	4.4	18.2	94.0	104	2.88	0.4	0.9	2.5	14.0
R21149	44.15	6.1	0.4	19	0.040	0.22	1.74	0.10	< 0.02	0.33	1.0	22	15.0	94	1.23	3.9	12.5	87.1	75.3	2.41	0.4	0.8	2.3	13.0
R21150	13.27	26.9	0.9	3	0.034	0.93	3.05	0.49	0.06	0.25	8.8	66	49.1	2580	5.96	26.6	23.8	138	149	9.33	0.4	< 0.1	1.1	79.7
R21151	31.16	10.7	0.6	6	0.050	0.41	1.66	0.19	0.05	0.23	2.8	31	21.5	140	2.89	5.3	13.8	117	136	3.89	0.4	1.2	2.6	28.6
R21152	28.14	13.0	0.8	5	0.037	0.48	1.90	0.24	0.04	0.28	3.2	39	21.8	244	2.28	7.4	15.4	140	159	4.70	0.5	0.6	2.7	31.7
R21153	25.36	7.3	0.5	5	0.034	0.26	1.38	0.12	0.02	0.23	1.2	23	14.6	113	1.37	4.0	9.9	73.0	91.8	2.62	0.3	0.5	2.2	15.9
R21154	4.52	15.3	0.4	2	0.033	0.67	1.59	0.32	0.04	0.32	4.4	49	24.6	359	3.66	8.9	13.2	46.9	85.1	6.01	0.2	< 0.1	0.6	35.7
R21155	31.61	5.5	0.5	9	0.038	0.22	1.33	0.10	0.03	0.26	1.8	21	18.5	139	2.21	6.5	10.6	68.5	138	2.18	0.5	0.7	2.3	11.0
R21156	32.14	18.2	0.5	8	0.040	0.67	2.20	0.31	0.06	0.33	3.0	37	19.8	231	2.25	7.6	18.3	83.6	134	6.31	0.4	< 0.1	1.8	44.7
R21157	39.01	10.9	0.4	13	0.047	0.44	1.83	0.22	0.03	0.26	3.3	35	21.1	157	4.30	7.1	15.2	97.4	118	4.29	0.5	0.4	2.3	29.5
R21158	10.58	18.3	0.5	3	0.045	0.77	2.35	0.43	0.05	0.36	5.0	56	42.2	484	3.22	12.9	19.0	99.0	135	7.29	0.3	< 0.1	1.7	47.3
R21159	23.97	11.9	0.4	3	0.040	0.43	1.38	0.19	0.03	0.37	2.3	29	29.6	164	1.45	7.2	22.4	121	126	3.50	0.4	< 0.1	1.9	19.0
R21160	34.01	7.2	0.4	7	0.037	0.31	1.97	0.18	0.04	0.24	2.0	22	18.8	154	2.91	7.7	22.4	140	98.5	2.96	0.5	1.0	2.9	19.0
R21161	49.11	4.3	0.2	6	0.043	0.18	0.94	0.08	0.02	0.34	1.0	15	18.5	82	1.69	4.4	26.5	145	94.6	1.80	0.2	< 0.1	1.9	7.9
R21162	15.80	29.3	0.6	4	0.058	1.17	2.86	0.79	0.05	0.47	5.9	67	54.8	439	3.09	15.6	42.7	165	263	10.9	0.4	< 0.1	1.9	79.8
R21163	27.73	15.4	0.7	6	0.041	0.67	2.07	0.27	0.05	0.34	3.9	49	43.5	273	2.90	9.1	25.8	130	192	5.52	0.6	0.2	2.8	32.3
R21164	34.45	11.8	0.3	13	0.044	0.49	1.95	0.29	0.02	0.34	2.7	30	16.3	197	1.64	7.3	14.9	101	105	4.47	0.5	0.3	1.6	33.7
R21165	39.33	10.1	0.4	7	0.045	0.41	1.71	0.24	< 0.02	0.37	1.9	23	15.6	139	1.13	5.2	18.1	149	91.0	3.74	0.6	1.1	2.3	25.7
R21166	9.54	22.8	0.5	3	0.040	0.88	2.46	0.52	0.05	0.38	5.7	65	35.7	727	4.13	15.5	22.3	59.4	132	8.90	0.3	< 0.1	0.7	54.7
R21167	36.76	8.4	0.3	8	0.036	0.41	1.81	0.28	0.02	0.29	2.0	29	12.5	151	2.22	6.3	11.5	85.1	104	3.75	0.4	0.1	1.7	25.0
R21168	30.92	7.9	0.3	4	0.041	0.40	1.25	0.19	0.03	0.38	2.6	27	18.5	160	1.91	8.8	18.3	77.1	119	3.29	0.4	0.6	2.0	16.8
R21169	40.86	3.7	0.3	9	0.043	0.18	1.44	0.08	0.03	0.36	1.1	14	14.9	95	1.96	3.5	9.0	74.4	78.8	1.82	0.5	< 0.1	1.9	7.9
R21170	38.87	5.3	0.4	11	0.046	0.25	1.67	0.13	0.02	0.34	1.4	18	15.5	99	1.22	4.0	14.1	119	79.7	2.36	0.5	0.7	2.3	12.7
R21171	43.73	6.7	0.4	9	0.045	0.30	1.99	0.17	< 0.02	0.45	1.8	18	15.1	105	1.23	4.6	15.3	130	98.1	2.84	0.6	0.5	2.3	15.4
R21172	27.72	7.7	0.4	4	0.043	0.39	1.99	0.20	0.02	0.32	3.6	33	37.8	147	2.32	5.8	13.1	112	180	3.49	0.6	0.7	2.3	16.3
R21173	31.05	6.9	0.3	4	0.053	0.34	1.14	0.19	< 0.02	0.35	1.9	17	15.6	109	1.01	5.5	15.7	138	110	2.69	0.3	0.3	1.6	17.5
R21174	30.26	10.9	0.5	7	0.051	0.55	2.52	0.37	0.03	0.29	3.5	42	10.7	333	4.39	11.3	13.3	135	134	5.18	0.4	< 0.1	2.6	32.5
R21175	35.44	13.2	0.4	11	0.056	0.85	1.87	0.39	< 0.02	0.36	4.7	33	11.6	188	2.12	8.8	14.7	149	112	5.31	0.5	0.2	1.6	36.6
R21176	28.16	9.6	0.4	4	0.046	0.50	1.94	0.30	0.04	0.34	3.0	39	21.5	208	1.86	8.4	13.7	147	103	4.46	0.3	< 0.1	2.1	23.1
R21177	33.38	7.5	0.2	13	0.045	0.38	1.51	0.21	0.03	0.41	2.0	27	14.9	175	1.79	7.4	16.1	111	128	3.13	0.3	0.4	1.7	17.2
R21178	29.93	7.7	0.6	8	0.032	0.35	1.70	0.19	0.05	0.27	2.1	30	15.1	252	3.83	9.7	15.9	117	145	3.00	0.4	0.7	3.2	18.7
R21179	35.30	7.3	0.3	7	0.042	0.37	1.74	0.23	0.02	0.26	3.9	31	18.6	139	9.25	9.6	22.6	87.1	125	2.84	0.5	0.6	2.4	26.3
R21180	1.62	6.4	0.1	< 1	0.030	0.30	0.53	0.14	0.03	0.25	0.9	17	56.7	129	1.08	3.9	5.5	9.11	27.8	2.26	< 0.1	< 0.1	0.2	11.4
R21181	9.36	9.9	0.2	2	0.039	0.50	1.21	0.34	< 0.02	0.28	3.0	31	47.5	1500	3.39	19.9	17.6	85.3	114	3.72	0.3	< 0.1	1.5	27.6
R21182	41.51	13.4	0.4	4	0.064	0.72	1.96	0.46	0.03	0.54	5.3	56	22.8	249	2.49	12.4	27.5	329	267	5.79	0.4	0.2	3.1	37.3
R21183	38.37	12.6	0.3	8	0.066	0.67	1.87	0.48	< 0.02	0.42	3.8	31	12.9	211	2.06	9.1	18.1	116	138	5.41	0.4	0.1	1.8	43.6
R21184	45.31	3.9	0.2	4	0.042	0.20	1.42	0.12	< 0.02	0.39	1.3	13	6.4	74	0.92	4.7	11.4	203	83.2	1.87	0.4	0.8	1.6	11.2
R21185	17.39	10.3	0.4	4	0.036	0.50	1.47	0.23	0.02	0.29	3.8	41	28.1	176	2.32	5.5	12.4	67.9	131	4.24	0.3	< 0.1	1.3	21.4

Activation Laboratories Ltd. Report: A10-7418

Analyte Symbol	LOI	Li	Be	B	Na	Mg	Al	K	Bi	Ca	Sc	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Rb
Unit Symbol	%	ppm	ppm	ppm	%	%	%	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit		0.1	0.1	1	0.001	0.01	0.01	0.01	0.02	0.01	0.1	1	0.5	1	0.01	0.1	0.1	0.01	0.1	0.02	0.1	0.1	0.1	0.1
Analysis Method	GRAV	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
R21186	36.50	3.5	0.5	8	0.030	0.16	1.62	0.08	0.03	0.31	0.9	19	11.4	146	1.43	4.5	10.1	68.4	80.6	1.57	0.3	0.6	1.6	7.1
R21187	27.06	9.3	0.5	10	0.037	0.50	1.87	0.19	0.03	0.33	3.2	34	20.7	169	3.37	6.2	13.7	66.7	94.8	4.10	0.3	< 0.1	1.8	18.1
R21188	38.02	7.4	0.4	7	0.036	0.35	1.76	0.18	< 0.02	0 36	2.3	23	11.9	139	1.81	6.5	14.2	95.5	139	2.90	0.4	< 0.1	2.1	17.1
R21189	45.96	4.2	0.5	10	0.040	0.17	2.28	0.07	0.04	0 47	1.0	16	23.7	91	1 41	3.5	14.1	75.5	67.6	2.23	0.4	1.0	2.8	5.6
R21190	37.30	6.8	0.3	3	0.042	0.33	1.24	0.13	< 0 02	0 43	3.2	25	22.0	124	1.67	7.1	17.7	164	145	2.46	0.6	0.5	2.0	10.9
R21191	42 65	5.8	0.3	13	0.040	0.25	2.01	0.12	0.04	0.36	1.3	23	20.4	120	2.37	5.4	15.0	81.7	98.8	2.58	0.3	1.2	2.5	9.8
R21192	33.12	7.0	0.5	5	0.056	0.32	1.57	0.17	0.04	0.34	2.7	30	20.0	149	3.88	8.0	15.5	104	212	2.92	0.4	0.4	2.4	16.3
R21193	36.11	8.3	0.5	9	0.037	0.36	2.19	0.19	0.03	0.34	1.8	31	14.3	146	1.79	7.1	16.4	137	116	3.27	0.4	0.8	2.7	19.3
R21194	27.19	6.7	0.3	3	0.036	0.31	1.58	0.16	< 0.02	0.34	1.7	25	17.9	122	1.77	5.9	13.7	51.9	119	2.37	0.3	< 0.1	1.7	13.1
R21195	23.60	8.7	0.4	3	0.027	0.38	2.51	0.19	0.04	0.24	2.4	35	30.5	152	2.57	4.7	9.9	140	66.3	3.45	0.5	0.7	2.5	17.7
R21196	13.48	20.0	0.6	3	0.051	0.83	2.10	0.46	0.05	0.41	4.6	51	24.1	385	3.02	13.4	21.7	90.6	138	6.37	0.3	< 0.1	1.8	48.0
R21197	26.84	6.9	0.4	9	0.032	0.31	1.42	0.14	0 03	0.26	2.5	24	22.1	189	5.89	11.8	17.9	66.7	158	2.47	0.3	< 0.1	2.7	14.7
R21198	33.43	10.2	0.5	5	0.034	0.38	1.58	0.16	0.05	0.34	1.7	23	19.7	174	1.38	7.2	22.9	138	150	2.96	0.4	1.0	2.0	17.6
R21199	35.25	13.8	0.4	6	0.047	0.52	1.27	0.20	0 03	0.46	2.4	24	18.6	186	1.29	7.9	31.6	125	201	3.65	0.3	< 0.1	1.5	24.1
R21200	25.03	20.5	0.4	4	0.040	0.88	1.67	0.37	0.02	0.36	3.5	28	15.1	230	1.70	7.3	16.0	69.2	140	4.98	0.4	0.1	1.3	41.5
R21201	45.93	7.0	0.3	4	0.044	0.28	0.94	0.16	0.03	0.43	1.4	13	12.9	86	0.70	4.6	14.6	77.5	120	2.06	0.3	< 0.1	2.4	15.4
R21202	42.92	2.7	0.3	3	0.034	0.11	1.53	0.05	< 0.02	0.48	0.6	6	7.2	56	0.61	2.8	12.0	61.9	65.6	1.01	0 3	0.4	2.0	4.5
R21203	31.00	5.3	0.3	4	0.045	0.27	1.28	0.14	0.03	0.40	1.8	20	43.0	114	1.60	5.2	10.4	65.3	95 8	2.36	0.3	0.3	2.1	9.0
R21204	34 32	6.9	0.3	9	0.037	0.31	1.97	0.17	0.05	0.34	2.1	26	13.3	147	2.22	5.5	13.1	107	115	2.69	0.3	0.7	2.6	15.1
R21205	29.86	11.7	0.5	5	0 039	0.46	1.57	0.20	0 04	0.43	2.5	27	20.8	170	1.41	6.8	15.5	94.7	117	3.46	0.4	< 0.1	1.8	18.0
R21206	40.48	3.3	0.4	7	0.032	0.14	1.71	0.07	0.04	0.29	1.7	16	10.7	97	3.90	6.8	11.3	91.3	98.0	1.46	0.3	< 0.1	1.8	6 2
R21207	30.61	7.4	0.3	6	0.040	0.32	1.51	0.17	0.04	0.44	1.3	30	17.2	134	1.49	6.1	12.0	127	116	2.57	0.3	< 0.1	1.9	15.3
R21208	29.71	10.4	0.4	8	0.059	0.52	1.38	0.28	0 04	0.58	2.9	39	32.5	206	1.78	8.8	14.7	121	136	3.62	0.3	0.3	1.4	23.0
R21209	12.44	18.1	0.4	3	0.055	0.89	1.95	0.55	0.03	0.42	5.4	56	42.3	313	3.01	10.9	19.3	122	148	6.66	0.3	< 0.1	1.1	46.9
R21211	38.23	6.6	0.4	9	0.042	0.31	2.03	0.17	0.04	0.41	1.7	36	16 5	227	2.25	7.0	12.7	163	146	3.07	0.4	< 0.1	2.8	14.7
R21212	32.65	7.9	0.3	10	0.034	0.30	1.66	0.16	0.05	0.43	1.6	31	25.2	496	2.23	8.3	10.7	149	138	2.64	0.3	< 0.1	1.9	13.0
R21213	16.25	8.1	0.3	3	0.040	0.41	1.07	0 23	0.02	0.34	2.4	27	33.1	177	2.44	8.4	11.0	52.8	112	3.02	0.2	< 0.1	1 1	17.9
R21214	12.51	15.2	0.4	2	0.044	0.74	1.78	0.44	0.03	0 39	5.1	54	25.5	299	3 02	9.0	15.7	111	150	5.76	0.3	< 0.1	1.5	37.3
R21215	26.60	11.9	0.5	5	0.042	0.52	1.94	0.30	0.05	0.39	3.1	39	19.1	273	2.10	7.5	16.1	149	144	4.16	0.4	0.3	2.3	26.0
R21216	22.97	11.6	0.4	4	0.054	0.51	1.76	0.30	0.05	0.38	3.0	35	36.5	205	1.83	6.6	15.2	129	126	4.14	0.3	< 0.1	2.3	25.2
R21217	27.57	11.7	0.5	4	0.045	0.51	2.22	0.33	0.04	0.28	4.7	39	14.6	358	2.97	7.7	16.8	183	134	4.53	0.5	0.2	1.8	36.7
R21218	31.33	11.5	0.5	4	0.043	0.50	1.98	0 32	0.04	0.35	3.5	36	21.6	201	1.54	7.9	17.9	207	136	4.24	0.5	0.5	2.6	28.4
R21219	43.40	7.4	0.3	11	0.039	0.32	1.63	0.18	0.03	0.44	1.4	20	10.1	105	1.09	4.3	14.1	182	74.3	2.92	0.2	0.6	2.3	15.6
R21220	34.03	13.5	0.3	5	0.050	0.62	1.60	0.42	0.03	0.39	4.6	31	16.3	203	2.18	11.1	22.3	171	149	4.71	0.6	< 0.1	2.2	36.9
R21221	50.45	4.2	0.3	8	0.052	0.19	2.32	0.10	0.05	0.41	0.9	24	13.4	116	1.45	3.9	14.3	155	81.2	2.57	0.2	0.4	3.7	8.6
R21222	31.80	4.4	0.4	4	0.040	0.21	2.30	0.13	0.05	0.26	1.7	34	15.7	428	5.60	20.7	11.3	128	73.1	3.30	0.3	< 0.1	3.8	11.6
R21224	47.06	5.6	0.3	13	0 049	0.22	1.87	0.13	0.03	0.41	0.8	20	10.8	83	1.09	4.4	20.5	138	85.1	2.31	0.3	0.5	2.7	12.2
R21225	1.34	7.2	0.1	< 1	0.034	0.32	0.56	0.15	0.02	0.28	0.8	18	54.6	133	1.05	4.0	6.0	9.46	27.6	2.59	< 0.1	< 0.1	0.2	12.1
R21226	38.89	9.5	0.3	11	0.045	0.35	1.54	0.20	0.03	0.40	1.4	26	10.4	172	1.60	8.5	20.0	86.8	120	3.31	0.3	< 0.1	1.8	18.9
R21227	29.47	10.3	0.3	5	0.051	0.46	1.83	0.31	0.03	0.40	1.9	32	33.3	218	1.86	9.7	21.9	137	88.1	3.81	0.3	< 0.1	2.2	26.4
R21228	24.94	8.0	0.2	4	0.048	0.40	1.28	0.27	< 0.02	0.40	1.7	22	21.6	136	1.21	5.8	15.7	93.5	86 8	2.98	0.2	< 0.1	1.3	22.3
R21229	35.95	12.8	0.6	5	0.036	0.52	2.26	0.35	0.04	0.31	4.1	29	25.5	173	2.05	10.4	37.4	169	133	4.69	0.5	< 0.1	2.2	35.0
R21230	26.49	8.6	0.4	4	0.036	0.39	1.81	0.24	< 0.02	0.32	2.8	25	10.8	135	1.40	6.5	17.9	118	123	3.30	0.4	0.7	1.7	25.9
R21232	30.87	7.3	0.4	4	0.037	0.28	1.48	0.13	0.03	0.40	2.1	27	20.5	216	2.47	6.9	12.6	84.1	150	2.51	0.3	< 0.1	1.6	12.9
R21233	25.11	11.4	0.4	8	0.039	0.54	1.52	0.28	0 04	0.35	3.1	37	18.2	187	2.89	6.9	15.5	66.2	139	4.01	0.3	< 0.1	1.3	24.4
R21234	41.53	6.8	0.4	16	0.047	0.34	2.15	0.21	0.02	0.39	2.2	35	15.6	151	2.51	6.4	13.4	163	104	2.89	0.3	< 0.1	2.4	19.3
R21235	30.62	13.5	0.4	5	0.047	0.61	2.15	0.38	0.03	0.40	3.5	44	17.5	201	2.84	7.6	14.8	230	129	4.91	0.3	< 0.1	2.0	37.6
R21236	43.18	6.4	0.3	10	0.036	0.26	1.94	0.14	0.05	0.33	1.2	23	11.5	133	3.04	6.2	14.7	133	81.6	2.75	0.4	0.4	3.1	15.3
R21237	39.65	10.8	0.4	9	0.055	0.53	1.61	0.28	0.03	0.47	3.3	34	18.9	189	2.91	8.0	20.5	110	150	4.30	0.4	< 0.1	2.1	26.8
R21238	13.06	7.1	0.3	3	0.043	0.40	1.16	0.18	0.02	0.40	2.6	28	35.6	180	1.87	4.5	12.2	113	67.0	2.63	0.2	< 0.1	1.3	13.7
R21239	35.45	5.8	0.6	7	0.038	0.24	2.39	0.12	0.05	0.30	1.8	28	16.9	140	2.05	4.8	12.3	87.9	105	2.48	0.4	< 0.1	2.7	9.7
R21240	39.33	6.2	0.4	12	0.042	0.26	1.49	0.13	0.04	0.33	1.8	22	15.3	172	3.31	11.1	17.0	92.0	137	2.30	0.3	< 0.1	3.0	12.5

Analyte Symbol	LOI	Li	Be	B	Na	Mg	Al	K	Bi	Ca	Sc	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Rb
Unit Symbol	%	ppm	ppm	ppm	%	%	%	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit		0.1	0.1	1	0.001	0.01	0.01	0.01	0.02	0.01	0.1	1	0.5	1	0.01	0.1	0.1	0.01	0.1	0.02	0.1	0.1	0.1	0.1
Analysis Method	GRAV	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
R21241	38.39	5.3	0.4	7	0.023	0.19	2.30	0.09	0.04	0.29	0.8	15	9.2	151	1.81	6.3	15.5	69.2	74.2	2.02	0.3	0.2	3.3	9.3
R21242	46.82	9.5	0.8	21	0.042	0.37	1.95	0.16	0.04	0.36	2.2	27	14.6	168	3.37	8.2	34.3	153	172	3.34	0.5	< 0.1	3.1	19.6
R21243	27.08	8.9	0.4	6	0.036	0.33	1.38	0.13	0.05	0.33	1.4	26	19.8	174	1.51	7.7	21.7	94.9	116	2.62	0.3	0.2	1.9	13.8
R21244	38.98	8.7	0.6	3	0.051	0.38	2.39	0.19	0.04	0.37	3.5	31	22.1	158	3.56	8.9	21.5	178	195	3.45	0.6	< 0.1	3.4	21.1
R21245	37.45	3.4	0.6	7	0.031	0.13	2.78	0.06	0.06	0.31	1.3	18	12.8	205	5.03	11.7	12.2	90.7	89.7	1.72	0.4	0.7	4.4	6.6
R21246	35.96	14.2	0.5	4	0.048	0.56	1.42	0.28	0.04	0.48	3.8	32	24.9	182	1.73	9.7	28.7	191	144	4.15	0.4	< 0.1	2.6	26.6
R21247	46.02	2.7	0.3	14	0.033	0.10	1.75	0.05	0.06	0.39	0.4	12	11.0	60	1.27	2.5	12.9	68.7	57.2	1.16	0.3	0.5	2.8	3.9
R21248	32.70	9.6	0.7	13	0.045	0.31	2.23	0.13	0.05	0.76	1.6	27	16.3	346	2.86	17.5	13.7	117	122	2.77	0.4	0.6	3.3	12.4
R21249	1.35	7.4	< 0.1	< 1	0.035	0.32	0.58	0.15	0.02	0.28	0.8	15	52.0	137	1.06	4.0	6.2	9.66	26.6	2.46	< 0.1	< 0.1	0.2	11.8
R21250	34.40	9.6	0.3	6	0.042	0.42	1.14	0.19	0.02	0.41	2.9	22	15.3	136	1.33	7.0	18.8	165	118	3.19	0.3	0.2	1.7	18.8
R21251	32.21	6.8	0.4	9	0.032	0.31	1.89	0.17	0.04	0.31	1.9	31	11.0	414	2.96	9.9	13.9	133	130	2.76	0.4	0.3	2.2	17.0
R21252	34.06	7.6	0.4	11	0.036	0.35	1.78	0.20	0.04	0.34	2.2	33	13.9	199	3.07	7.9	15.3	129	157	2.89	0.4	0.2	2.3	18.4
R21253	14.30	22.4	0.4	3	0.047	1.06	2.71	0.74	0.04	0.41	6.9	59	26.4	349	3.34	11.7	21.3	139	142	8.75	0.3	< 0.1	0.9	63.2
R21254	32.74	11.5	0.3	6	0.046	0.46	1.19	0.25	< 0.02	0.57	2.7	33	15.5	193	2.01	9.3	10.6	59.5	108	3.53	0.2	< 0.1	1.9	22.7
R21255	12.71	13.3	0.4	3	0.043	0.69	1.48	0.38	0.02	0.41	4.0	46	21.6	247	2.46	8.1	13.1	78.6	123	5.19	0.2	0.2	1.1	30.0
R21256	47.24	3.7	0.4	5	0.041	0.16	1.85	0.09	< 0.02	0.54	1.3	18	12.4	72	0.94	3.9	13.0	280	89.2	1.79	0.3	0.5	2.3	8.1
R21257	25.07	8.0	0.4	4	0.043	0.37	1.46	0.18	0.03	0.37	2.7	35	32.4	141	2.18	6.4	12.7	136	139	3.12	0.4	< 0.1	1.7	15.6
R21258	27.72	15.2	0.6	6	0.043	0.59	1.75	0.37	0.02	0.33	3.5	33	22.7	180	1.76	8.7	18.2	137	115	4.69	0.4	< 0.1	1.6	45.4
R21259	48.63	6.6	0.5	8	0.043	0.27	1.69	0.17	0.04	0.40	1.8	24	15.2	145	2.16	6.7	16.7	170	100	2.50	0.5	< 0.1	3.0	16.4
R21260	39.01	2.5	0.3	2	0.025	0.10	1.83	0.06	< 0.02	0.40	0.7	9	10.1	52	0.85	3.3	16.3	183	92.6	1.13	0.3	0.5	2.2	4.8
R21261	30.47	16.5	0.4	4	0.047	0.70	1.90	0.48	0.04	0.27	3.1	30	10.0	196	1.81	8.6	18.9	112	120	5.25	0.3	< 0.1	1.5	46.4
R21262	33.97	8.1	0.3	6	0.040	0.37	1.67	0.22	0.03	0.39	2.5	28	19.8	133	1.64	6.3	16.1	93.5	81.3	3.07	0.4	0.2	1.9	20.6
R21263	29.73	5.6	0.6	8	0.032	0.26	1.81	0.12	0.05	0.28	2.1	27	18.2	194	6.60	10.9	10.0	67.8	104	2.45	0.3	0.9	2.8	12.2
R21264	40.35	5.8	0.8	4	0.040	0.27	1.85	0.11	0.03	0.37	1.9	17	22.9	92	0.95	5.4	21.1	257	291	2.28	0.5	0.4	3.0	10.5
R21265	39.77	3.9	0.7	8	0.035	0.17	2.17	0.08	0.02	0.37	1.2	23	15.8	81	1.69	3.7	14.2	126	66.1	1.95	0.3	0.2	2.7	7.5
R21266	36.67	4.6	0.5	8	0.026	0.20	1.75	0.09	0.02	0.32	0.8	23	13.3	103	2.33	5.9	12.6	124	64.1	2.01	0.3	0.1	1.9	9.1
R21267	8.19	19.7	0.5	2	0.046	0.94	1.94	0.53	0.04	0.44	5.5	60	26.2	352	3.45	13.2	19.9	83.8	146	7.26	0.2	< 0.1	0.9	45.9
R21268	29.73	4.3	0.7	4	0.028	0.20	2.03	0.10	0.02	0.23	1.5	24	11.7	190	2.62	11.9	11.6	137	79.2	2.12	0.4	< 0.1	2.2	11.3
R21269	34.64	5.9	0.9	5	0.041	0.29	1.74	0.14	0.03	0.37	1.8	32	21.0	112	1.66	5.9	15.9	140	151	2.46	0.5	0.4	2.6	10.7
R21270	38.76	3.8	0.5	3	0.023	0.22	1.43	0.09	0.03	0.33	2.1	19	26.5	88	1.78	5.8	10.5	176	96.6	1.79	0.4	< 0.1	2.6	7.4
R21271	41.40	4.3	0.9	4	0.034	0.26	1.59	0.07	0.04	0.34	1.2	22	14.4	101	1.76	4.2	14.7	97.6	175	2.42	0.4	0.2	2.8	7.1
R21272	41.00	5.2	1.5	8	0.027	0.26	2.50	0.09	0.05	0.29	1.2	23	17.5	129	1.91	4.9	13.1	158	53.7	2.74	0.4	0.2	3.6	8.6
R21273	38.71	5.9	0.7	7	0.035	0.23	1.82	0.10	0.02	0.43	1.4	22	15.3	102	1.80	5.1	14.2	150	87.4	2.29	0.4	0.3	2.4	10.4
R21274	48.86	1.7	1.4	7	0.022	0.06	1.83	0.03	< 0.02	0.41	0.7	13	11.6	38	0.87	2.0	18.4	147	120	1.22	0.5	0.8	2.4	2.8
R21275	50.19	3.5	0.3	5	0.033	0.16	1.53	0.08	0.03	0.41	0.9	14	8.4	75	1.08	4.4	12.4	96.3	94.1	1.51	0.3	< 0.1	1.9	8.1
R21276	37.43	7.3	0.4	13	0.029	0.32	1.96	0.21	0.03	0.35	1.8	26	12.2	184	2.66	6.7	14.1	125	99.5	2.80	0.4	< 0.1	2.6	19.1
R21277	32.79	6.9	0.3	7	0.034	0.31	1.42	0.18	0.03	0.28	2.6	29	10.3	137	5.22	10.3	11.9	108	127	2.61	0.3	< 0.1	2.5	16.1
R21278	1.37	7.1	0.1	< 1	0.031	0.32	0.56	0.15	0.03	0.29	1.0	17	56.1	133	1.08	4.1	6.2	9.21	27.9	2.52	< 0.1	< 0.1	0.4	12.1
R21279	11.71	21.1	0.6	2	0.048	0.91	2.00	0.56	0.04	0.47	5.9	59	24.2	567	3.49	11.8	18.9	136	163	6.76	0.4	< 0.1	1.5	48.9
R21280	31.47	11.2	0.5	7	0.038	0.55	2.35	0.33	0.04	0.32	3.4	42	17.1	218	3.49	8.1	14.1	180	120	4.47	0.3	< 0.1	3.2	28.2
R21281	32.07	13.6	0.4	8	0.051	0.59	1.96	0.33	0.04	0.34	2.3	31	18.0	208	1.70	6.5	15.9	104	91.9	4.75	0.3	0.5	1.8	34.1

Analyte Symbol	Sr	Y	Zr	Nb	Mo	Ag	Cd	In	Sn	Sb	Te	Cs	Ba	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er
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	0.5	0.01	0.1	0.1	0.01	0.002	0.01	0.02	0.05	0.02	0.02	0.02	0.5	0.5	0.01	0.1	0.02	0.1	0.1	0.1	0.1	0.001	0.1	0.1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
R21082	21.3	35.5	1.7	1.7	3.37	0.384	0.47	< 0.02	0.35	0.05	< 0.02	0.83	91.2	244	407	58.0	200	24.1	3.7	16.1	1.4	6.36	1.1	2.9
R21083	39.3	22.4	5.8	3.2	1.41	0.340	0.23	0.03	0.95	< 0.02	0.04	2.99	321	175	294	40.0	133	15 8	2.3	10.4	0.9	4.11	0.7	1.9
R21084	38.9	26.1	7.0	3.2	3.72	0.331	0.46	0.03	0 83	< 0.02	0.04	2.53	300	227	311	53.6	178	20.3	2.8	12.4	1.1	4.76	0.9	2.3
R21085	28.6	20.7	2.4	2.3	2.74	0.267	0.37	< 0.02	0.47	< 0.02	0.02	1.39	147	184	295	42.8	144	16.3	2.3	10.3	0.9	4.12	0.7	1.8
R21086	30.7	18.9	4.2	2.7	4.54	0.122	0.21	< 0.02	0.94	< 0.02	0.03	2.03	237	141	235	36.2	125	14.9	2.2	9.5	0.8	3.83	0.7	1.7
R21087	27.4	26.0	1.8	1.9	3.34	0.330	0.32	< 0.02	0.36	0.04	0.04	0.98	121	232	392	55.1	185	20.8	3.1	14.0	1.2	5.31	0.9	2.3
R21088	26.9	29.1	2.9	2.0	3.61	0.338	0.70	< 0.02	0.55	< 0.02	0.02	1.85	211	214	348	47.1	155	18.9	2.8	13.7	1.2	5.32	0.9	2.4
R21089	23.7	3.21	1.4	2.6	5.97	< 0.002	0.02	< 0.02	0.39	< 0.02	0.02	0.35	25.5	15.0	31.4	3.5	11.8	1.9	0.4	1.4	0.2	0.867	0.2	0.4
R21090	34.7	18.8	4.0	2.1	2.73	0.130	0.12	0.02	0.80	< 0.02	< 0.02	1.92	243	148	258	37.2	127	15.7	2.1	9.9	0.8	3.67	0.7	1.7
R21091	40.0	43.0	5.9	3.8	4.18	0.539	0.34	0.03	0.98	< 0.02	0.08	3.30	375	255	357	63.4	219	28.0	3.9	18.2	1.6	7.56	1.4	3 7
R21092	33.0	17.3	4.1	3.3	1.79	0.283	0.20	0.02	0 80	< 0.02	< 0.02	2.19	263	141	224	33.6	113	13.9	1.9	8.4	0.8	3.52	0.6	1.6
R21093	29.1	39.8	4.5	2.7	5.25	0.483	0.52	< 0.02	0.60	< 0.02	0.03	2.50	213	250	439	56.4	190	23.4	3.4	16.4	1.5	6.94	1.3	3.4
R21094	34.5	37.5	6.2	3.6	6.47	0.470	0.37	< 0.02	0.83	< 0.02	0.04	3.16	248	232	350	56.7	196	25.8	3.8	17.6	1.6	7.13	1.2	3.2
R21095	31.6	23.3	4.8	3 2	1.98	0.422	0.26	< 0.02	0 66	< 0.02	0.03	2.01	232	156	196	34.0	114	14.1	2.1	9.9	0.9	4.16	0.7	1.9
R21096	23.4	53.3	2.7	2.3	6.06	0.550	0.34	< 0.02	0.43	< 0.02	0.04	1.67	151	301	598	80.7	286	37.1	5.7	25.5	2.3	9.90	1.8	4.6
R21097	39.1	21.3	7.9	3.8	1.82	0.355	0.27	0.03	0.91	< 0.02	0.08	2.71	382	155	218	34.5	113	13.6	1.9	8.9	0.8	3.76	0.7	1.8
R21098	28.4	20.3	3.4	2.4	1 64	0.195	0.24	< 0.02	0.52	< 0.02	0.03	1.60	222	132	180	30.6	103	12.9	1.9	8.5	0.8	3.73	0.7	1.7
R21099	36.8	40.8	6.8	3.4	2.34	0.361	0.63	0.02	0.81	0.02	0.07	2.31	279	205	308	52.2	182	24.3	3.7	16.4	1.6	7.49	1.3	3.6
R21100	28.0	25.1	4.7	2.7	2.10	0.201	0.32	< 0.02	0.61	< 0.02	< 0.02	2.02	244	126	172	30.6	106	14.4	2.2	9.9	1.0	4.56	0.8	2.2
R21101	29.8	31.8	4.9	2.8	1.46	0.360	0.51	< 0.02	0.60	< 0 02	0.02	2.26	265	156	239	41.0	144	20.1	3.1	14.1	1.4	6.38	1.1	3.0
R21102	44.3	24.1	9.9	3.8	1.78	0.463	0.16	0.03	1.23	< 0.02	0.05	3.68	325	171	263	34.7	112	14.1	2.2	10.6	1.0	4.56	0.8	2.1
R21103	35.9	43.6	6.8	4.1	6.03	0.507	0.28	0.03	1.03	< 0.02	0.11	3.56	307	184	383	45.6	159	22.3	3.6	16.7	1.6	7.59	1.4	3.8
R21104	29.0	41.7	3.4	2.5	2.01	0.239	0.34	< 0.02	0.63	< 0.02	0.03	1.85	203	181	343	48.1	173	23.9	3.7	16.7	1.6	7.28	1.3	3.6
R21105	38.8	22.6	12.6	3.5	1.31	0.129	0.20	0.03	0.99	< 0.02	< 0.02	2.85	302	162	266	38.7	131	16.6	2.3	10.8	1.0	4.52	0.8	2.1
R21106	34.8	36.4	7.5	4.0	3.37	0.217	0.45	0.03	1.03	0.02	0.05	3.00	275	204	326	51.6	177	23.2	3.3	15.2	1.4	6.78	1.2	3.4
R21107	38.4	34.5	7.2	3.3	4.88	0.465	0.43	0.03	0.96	< 0.02	0.07	3.80	302	177	336	45.0	155	21.9	3.3	14.9	1.4	6.77	1.2	3.3
R21108	40.0	26.1	6.7	2.5	2.00	0.218	0.17	0.02	0.93	< 0.02	< 0.02	2.80	258	154	259	35.1	118	15.5	2.4	11.2	1.1	5.02	0.9	2.4
R21109	34.0	29.7	5.5	3.2	3.19	0.367	0.32	0.02	0.84	< 0.02	0.06	3.03	235	173	256	41.4	145	18.6	2.9	13.7	1.2	5.58	1.0	2 6
R21110	33.9	39.5	6.1	3.5	6.26	0.545	0.35	0.02	0.85	< 0.02	0.05	3.56	256	225	367	54.2	188	24.6	3.7	17.2	1.5	7.02	1.2	3 4
R21111	29.8	31.4	4.8	3.1	3.88	0.344	0.43	0.02	0.74	< 0.02	0.08	2.37	239	197	313	50.8	173	21.8	3.1	14.1	1.2	5.65	1.0	2.8
R21112	39.4	28.8	6.8	2.9	2.25	0.368	0.20	0.03	1.04	< 0.02	0.05	3.26	360	198	346	45.6	150	18.1	2.5	12.4	1.1	5.04	0.9	2.5
R21113	29.7	23.2	3.8	2.7	2.04	0.329	0.47	< 0.02	0.59	0.03	< 0.02	2.08	252	163	191	38.0	127	15.0	2.1	9.7	0.9	4.05	0.7	2.0
R21114	44.5	18.6	5.3	3.2	1.34	0.471	0.23	0.03	1.02	< 0.02	0.05	3.18	446	184	241	38.4	122	13.9	1.9	9.0	0.8	3.69	0.6	1.7
R21115	27.9	25.0	3.8	2 3	3.21	0.196	0.18	0.02	0.75	< 0.02	< 0.02	2.41	220	181	361	42.8	143	17.3	2.6	12.5	1.1	4.89	0.9	2.2
R21116	25.1	35.7	2.9	2.4	5.30	0.373	0.60	< 0.02	0.47	< 0.02	< 0.02	1.60	196	257	477	59.6	203	24.5	3.5	17.5	1.5	6.51	1.1	3.0
R21117	28.6	28.4	2.5	2.2	4.16	0.364	0.64	< 0.02	0.51	< 0.02	< 0.02	1.29	134	217	331	50.5	173	20.6	3.1	14.5	1.2	5.35	0.9	2.4
R21118	20.1	45.5	3.2	1.6	1.78	0.437	0.32	< 0.02	0.20	< 0.02	0.02	0.63	74.8	343	560	73.0	245	29.7	4.6	21.4	1.8	7.89	1.4	3.6
R21119	23.0	51.0	2.1	1.7	2.72	0.391	0.51	< 0.02	0.27	< 0.02	< 0.02	0.75	83.9	299	583	69.0	237	29.7	5.0	21.2	1.9	8.75	1.6	4.2
R21120	31.0	50.2	2.5	2.0	2.28	0.662	0.24	< 0.02	0.43	< 0.02	< 0.02	1.10	126	197	442	55.2	200	27.6	4.6	19.5	1.9	9.01	1.7	4.4
R21121	30.0	31.7	2.4	2.2	1.13	0.602	0.30	< 0.02	0.40	< 0.02	< 0.02	1.18	158	264	363	57.4	189	21.6	3.2	14.4	1.3	5.74	1.0	2.6
R21122	23.9	3.15	1.4	2 3	5.23	< 0.002	0.03	< 0.02	0.35	< 0.02	< 0.02	0.35	26.8	14.5	31.3	3.5	12.2	2.0	0.4	1.3	0.2	0.811	0.1	0.4
R21123	41.6	16.2	3.6	3.0	1.67	0.329	0.16	0.02	0.75	< 0.02	< 0.02	1.74	244	129	236	28.1	93.4	11.4	1.7	8.4	0.7	3.23	0 6	1.4
R21124	20.6	23.2	1.2	2.3	4.63	0.068	0.31	< 0.02	0.40	< 0.02	< 0.02	0.48	33.7	111	191	30.6	117	18.6	2.6	11.5	1.0	4.43	0 8	2.0
R21125	21.7	30.8	1.0	1.8	4.53	0.139	0.33	< 0.02	0.30	< 0.02	< 0.02	0.48	37.4	140	258	35.2	129	18.7	2.9	13.0	1.2	5.41	1.0	2.5
R21126	31.8	35.5	1.2	1.8	5.20	0.278	0.67	< 0.02	0.30	0.04	< 0.02	1.65	96.4	184	294	48.8	177	24.6	3.2	16.3	1.5	6.59	1.1	2.9
R21127	19.6	32.7	1.7	1.6	3.62	0.165	0.22	< 0.02	0.27	< 0.02	< 0.02	1.14	48.8	145	393	39.3	141	19.4	2.7	13.8	1.3	6.06	1.1	2.9
R21128	19.0	17.4	1.3	1.8	7.40	0.178	0.26	< 0.02	0 50	0.04	< 0.02	1.08	40.8	110	175	23.9	82.2	10.5	1.6	7.5	0.7	3.26	0.6	1.5
R21129	23.7	27.5	1.4	1.9	5.53	0.190	0.38	< 0 02	0.26	0.02	< 0.02	0.92	56.7	161	282	39.9	141	18.1	2.5	12.5	1.1	5.18	0 9	2.4
R21130	20.7	26.1	1.4	1.1	5.99	0.127	0.39	< 0.02	0.23	0.03	< 0.02	1.23	52.0	148	206	33.8	119	15.5	2.3	11.0	1.0	4.56	0.8	2.1
R21131	33.6	44.9	2.2	2.1	2.37	0.227	0.36	< 0.02	0.29	< 0.02	< 0.02	0.89	77.5	350	354	82.3	297	37.2	5.1	24.1	2.0	8.47	1.5	3.7
R21132	31.7	56.1	1.6	1.8	2.87	0.289	0.53	< 0.02	0.32	< 0.02	< 0.02	1.03	115	343	544	87.9	323	41.2	5.8	26 8	2.3	10.3	1.8	4.6
R21133	22.2	38.4	0.8	1 4	4.30	0.208	0.50	< 0 02	0.20	0.03	< 0.02	0.61	54.0	321	422	77.1	277	31.6	4.3	19.4	1.6	6.91	1 2	3.1

Analyte Symbol	Sr	Y	Zr	Nb	Mo	Ag	Cd	In	Sn	Sb	Te	Cs	Ba	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er
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	0.5	0.01	0.1	0.1	0.01	0.002	0.01	0.02	0.05	0.02	0.02	0.02	0.5	0.5	0.01	0.1	0.02	0.1	0.1	0.1	0.1	0.001	0.1	0.1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
R21134	28.2	16.8	2.8	3.0	2.04	0.149	0.09	< 0.02	0.68	< 0.02	0.02	1.40	191	168	260	40.1	134	15.5	1.9	9.2	0.8	3.40	0.6	1.5
R21135	41.3	37.0	7.2	3.7	7.85	0.308	0.46	0.03	0.94	< 0.02	0.03	2.81	369	297	441	75.4	270	33.5	4.2	20.5	1.7	7.26	1.3	3.3
R21136	40.5	56.8	6.7	4.1	6.26	0.445	0.19	0.03	0.92	< 0.02	0.07	2.38	344	453	768	103	354	43.1	5.6	29.5	2.5	11.0	1.9	4.8
R21137	24.3	39.1	2.9	1.9	4.07	0.437	0.25	< 0.02	0.25	< 0.02	< 0.02	0.67	84.0	527	590	118	411	48.2	5.7	29.6	2.3	9.08	1.5	3.4
R21138	22.5	36.1	2.3	2.1	5.99	0.129	0.10	< 0.02	0.43	< 0.02	< 0.02	0.85	85.9	219	309	67.3	250	31.6	4.1	19.8	1.6	7.11	1.2	3.2
R21139	22.2	37.1	2.1	2.3	4.01	0.140	0.33	< 0.02	0.51	< 0.02	< 0.02	0.96	82.8	198	384	55.7	202	27.1	3.8	17.8	1.5	7.10	1.3	3.3
R21140	18.3	44.3	2.1	2.2	8.28	0.211	0.42	< 0.02	0.37	< 0.02	< 0.02	0.53	45.9	286	375	66.6	233	28.3	3.9	18.5	1.6	7.48	1.4	3.8
R21141	23.4	45.2	1.0	1.1	3.52	0.343	0.47	< 0.02	0.14	0.05	< 0.02	0.17	51.8	312	499	73.2	254	30.8	4.1	20.1	1.8	8.30	1.5	3.8
R21142	20.0	43.1	1.3	1.8	4.91	0.225	0.45	< 0.02	0.24	< 0.02	< 0.02	0.44	64.6	288	394	73.0	258	31.5	4.3	20.0	1.8	8.20	1.5	3.7
R21143	26.5	31.4	2.6	2.6	3.11	0.392	0.25	< 0.02	0.54	< 0.02	< 0.02	1.20	165	224	404	58.7	206	25.3	3.4	16.5	1.5	6.53	1.1	2.8
R21144	18.3	37.1	3.5	3.0	2.08	0.413	0.41	< 0.02	0.40	0.05	< 0.02	0.86	74.0	314	464	66.6	219	26.2	3.8	18.4	1.7	7.26	1.2	3.1
R21145	24.1	43.5	1.3	1.6	5.84	0.292	0.58	< 0.02	0.37	< 0.02	0.03	0.75	71.8	291	500	65.5	229	29.0	4.0	20.5	1.8	8.15	1.4	3.6
R21146	18.1	28.5	0.9	1.2	1.50	0.254	0.27	< 0.02	0.21	0.03	0.08	0.32	71.0	201	349	50.0	176	21.8	3.0	14.9	1.3	5.67	1.0	2.4
R21147	24.6	3.34	1.3	2.5	5.42	< 0.002	0.04	< 0.02	0.32	< 0.02	0.07	0.36	22.4	15.0	33.2	3.8	13.1	2.1	0.4	1.3	0.2	0.834	0.1	0.4
R21148	25.1	68.1	1.6	1.7	4.47	0.244	0.56	< 0.02	0.34	0.04	0.02	0.87	37.9	285	436	74.8	287	38.4	5.6	27.1	2.5	11.9	2.1	5.6
R21149	23.8	60.1	1.4	1.2	1.72	0.398	0.35	< 0.02	0.22	< 0.02	< 0.02	0.38	63.7	244	405	68.9	255	36.2	5.1	24.7	2.4	11.3	2.1	5.3
R21150	27.6	42.4	5.8	2.0	7.34	0.202	0.11	0.02	0.78	< 0.02	< 0.02	1.70	192	182	349	52.2	193	27.8	4.1	18.0	1.7	8.51	1.5	4.3
R21151	20.0	71.9	2.4	1.5	5.73	0.478	0.60	< 0.02	0.33	0.05	< 0.02	0.87	68.5	341	387	74.4	258	32.7	4.9	23.3	2.3	11.1	2.1	5.5
R21152	24.2	69.0	2.6	1.7	5.21	0.321	0.89	< 0.02	0.39	< 0.02	< 0.02	0.87	92.4	330	416	80.1	281	37.8	5.4	26.5	2.5	11.9	2.2	5.8
R21153	17.7	54.0	0.9	0.8	3.63	0.280	0.49	< 0.02	0.21	< 0.02	< 0.02	0.50	55.4	247	291	57.3	199	26.4	4.0	19.1	1.8	8.76	1.6	4.3
R21154	33.0	20.0	4.0	2.1	2.13	0.045	0.05	< 0.02	0.52	< 0.02	0.04	0.76	97.0	102	148	25.7	91.3	12.5	1.9	8.6	0.8	3.85	0.7	1.8
R21155	22.4	73.7	1.4	1.0	3.87	0.264	0.49	< 0.02	0.20	< 0.02	0.03	0.38	33.7	381	447	85.0	301	37.6	5.3	27.2	2.4	11.7	2.2	5.7
R21156	27.1	52.7	3.8	2.3	3.02	0.410	0.43	0.02	0.88	0.04	< 0.02	1.18	114	295	320	72.7	254	32.2	4.6	21.1	1.9	9.24	1.6	4.2
R21157	21.3	76.3	3.8	2.0	3.82	0.445	0.32	< 0.02	0.33	0.02	< 0.02	0.69	58.8	324	440	78.6	273	35.5	5.0	24.4	2.4	11.9	2.3	6.0
R21158	33.5	34.8	3.3	2.0	4.63	0.330	0.37	< 0.02	0.62	< 0.02	0.05	1.00	169	193	299	43.2	144	18.4	2.6	13.2	1.3	6.29	1.2	3.0
R21159	25.9	42.4	1.9	1.5	5.46	0.219	0.44	< 0.02	0.31	< 0.02	< 0.02	0.81	73.1	287	347	68.8	245	28.6	4.1	18.9	1.6	7.43	1.3	3.4
R21160	15.1	46.6	1.5	1.0	11.1	0.546	0.35	< 0.02	0.20	0.03	< 0.02	0.79	63.6	376	546	85.5	300	35.4	4.5	24.1	2.0	8.89	1.5	3.8
R21161	11.0	23.6	1.0	0.6	4.68	0.354	0.37	< 0.02	0.09	< 0.02	< 0.02	0.65	18.5	166	207	38.0	130	15.6	2.0	10.4	0.9	4.26	0.7	2.0
R21162	45.7	23.8	7.2	3.2	7.40	0.358	0.92	0.02	0.76	0.02	0.03	1.49	271	206	310	52.8	184	21.9	2.6	13.0	1.1	4.66	0.8	2.0
R21163	29.3	70.2	2.9	1.9	7.09	0.254	0.65	< 0.02	0.42	0.02	< 0.02	1.01	107	368	524	93.8	336	42.6	5.7	28.0	2.5	12.3	2.2	5.9
R21164	21.0	36.8	2.7	1.6	1.28	0.423	0.37	< 0.02	0.34	< 0.02	0.03	0.63	118	343	502	84.4	288	32.5	3.8	19.5	1.7	7.51	1.3	3.2
R21165	24.6	33.4	1.8	1.2	1.42	0.677	0.60	< 0.02	0.23	< 0.02	< 0.02	0.50	120	557	632	140	482	52.1	5.7	27.2	2.0	8.22	1.3	3.1
R21166	40.5	14.8	5.8	2.7	4.12	0.094	0.14	< 0.02	0.67	< 0.02	0.04	1.14	175	105	188	24.0	81.7	10.2	1.4	6.9	0.6	3.03	0.5	1.4
R21167	16.9	17.5	1.3	1.2	2.84	0.448	0.30	< 0.02	0.24	< 0.02	< 0.02	0.40	119	348	441	71.1	227	22.4	2.4	13.7	1.0	3.90	0.6	1.5
R21168	21.2	18.4	1.9	1.4	3.51	0.239	0.44	< 0.02	0.26	< 0.02	< 0.02	0.41	61.5	299	344	66.6	219	22.2	2.5	13.1	0.9	3.80	0.6	1.6
R21169	14.4	21.6	0.8	0.6	2.68	0.460	0.38	< 0.02	0.14	< 0.02	< 0.02	0.26	36.9	386	452	84.6	281	28.8	3.0	16.6	1.2	4.88	0.8	1.8
R21170	16.7	22.4	0.8	0.6	3.91	0.830	0.59	< 0.02	0.20	< 0.02	0.03	0.25	71.6	406	626	102	346	36.5	3.3	19.7	1.4	5.37	0.8	2.0
R21171	23.3	24.3	1.0	1.1	3.96	0.614	0.60	< 0.02	0.20	0.03	< 0.02	0.34	108	475	711	122	428	44.3	4.3	22.7	1.5	6.15	0.9	2.2
R21172	18.0	26.4	1.6	1.4	9.42	0.326	0.97	< 0.02	0.26	< 0.02	< 0.02	0.30	73.0	439	658	109	369	38.4	3.7	21.0	1.5	6.31	1.0	2.4
R21173	20.2	18.7	1.0	1.0	2.06	0.435	0.60	< 0.02	0.19	< 0.02	< 0.02	0.28	105	272	276	56.5	180	19.0	2.0	11.3	0.9	4.06	0.7	1.6
R21174	19.1	18.7	2.3	1.8	6.05	0.453	0.67	< 0.02	0.38	0.05	< 0.02	0.56	133	262	430	57.2	188	19.8	2.5	12.8	1.0	4.11	0.7	1.7
R21175	25.1	24.3	4.2	2.1	2.73	0.598	0.29	< 0.02	0.31	< 0.02	< 0.02	0.57	126	397	489	94.1	323	35.6	4.1	20.8	1.5	5.98	0.9	2.2
R21176	19.2	18.1	1.6	1.6	3.33	0.299	0.61	< 0.02	0.39	0.02	< 0.02	0.48	119	223	357	44.9	146	15.6	2.2	10.4	0.8	3.61	0.6	1.5
R21177	23.0	17.1	1.1	1.1	3.15	0.340	0.46	< 0.02	0.31	0.06	< 0.02	0.42	91.0	268	330	55.3	178	18.1	2.1	10.3	0.8	3.40	0.6	1.4
R21178	18.6	24.7	1.4	1.2	5.82	0.302	0.79	< 0.02	0.29	0.04	< 0.02	0.48	94.5	354	477	73.0	236	24.1	2.8	14.4	1.1	4.84	0.8	2.1
R21179	15.4	21.1	4.3	1.9	6.75	0.486	0.40	< 0.02	0.28	0.04	0.03	0.56	81.7	384	453	83.9	272	27.9	2.9	15.5	1.1	4.71	0.8	1.8
R21180	23.2	3.15	1.4	2.7	3.87	< 0.002	0.03	< 0.02	0.37	< 0.02	< 0.02	0.43	26.5	17.1	37.8	3.9	13.5	2.1	0.4	1.5	0.2	0.864	0.2	0.4
R21181	18.7	13.6	1.5	1.2	7.50	0.221	0.24	< 0.02	0.34	< 0.02	< 0.02	0.43	121	171	208	43.6	147	15.9	1.9	9.4	0.7	3.01	0.5	1.2
R21182	34.0	26.4	6.7	2.5	6.87	0.538	1.19	< 0.02	0.46	0.03	< 0.02	0.68	57.2	341	328	72.9	236	24.3	3.3	15.0	1.2	5.20	0.9	2.3
R21183	28.7	18.9	3.0	2.3	1.50	0.528	0.32	< 0.02	0.41	< 0.02	0.03	0.53	159	347	389	76.8	251	25.7	2.7	14.9	1.1	4.45	0.7	1.7
R21184	24.9	19.8	1.2	0.8	1.69	0.523	0.34	< 0.02	0.13	< 0.02	< 0.02	0.22	94.5	393	538	87.0	288	28.9	3.2	16.4	1.1	4.68	0.8	1.7
R21185	19.9	21.6	1.8	1.4	5.33	0.190	0.44	< 0.02	0.38	< 0.02	< 0.02	0.41	105	230	305	62.7	213	24.3	2.6	13.1	1.1	4.72	0.8	2.0

Analyte Symbol	Sr	Y	Zr	Nb	Mo	Ag	Cd	In	Sn	Sb	Te	Cs	Ba	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er
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	0.5	0.01	0.1	0.1	0.01	0.002	0.01	0.02	0.05	0.02	0.02	0.02	0.5	0.5	0.01	0.1	0.02	0.1	0.1	0.1	0.1	0.001	0.1	0.1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
R21186	24.8	21.1	0.5	0.6	2.56	0.276	0.53	< 0.02	0.16	0.09	0.04	0.24	42.3	291	386	73.1	243	25.5	3.0	13.7	1.1	4.76	0.8	2.0
R21187	17.7	16.7	1.9	1.7	3.51	0.576	0.28	< 0.02	0.37	< 0.02	< 0.02	0.33	81.6	234	363	54.9	179	19.7	2.1	11.6	1.0	4.17	0.7	1.6
R21188	19.6	21.1	1.7	1.2	3.60	0.540	0.72	< 0.02	0.22	< 0.02	< 0.02	0.34	84.7	387	524	94.1	314	32.8	3.4	17.8	1.3	5.24	0.8	2.0
R21189	18.9	21.0	0.8	1.0	2.57	0.624	0.84	< 0.02	0.17	0.03	< 0.02	0.29	54.7	368	579	93.5	325	34.2	4.0	19.3	1.4	5.46	0.8	2.0
R21190	24.4	27.2	2.8	1.3	3.25	0.482	0.58	< 0.02	0.24	< 0.02	< 0.02	0.24	61.0	503	887	133	460	49.9	4.7	25.1	1.7	6.82	1.0	2.4
R21191	15.6	17.4	0.9	1.1	3.06	0.365	0.48	< 0.02	0.27	0.03	0.06	0.30	53.9	257	433	60.1	196	20.0	2.4	11.3	0.9	3.76	0.6	1.6
R21192	22.3	20.7	2.3	1.2	5.92	0.421	0.85	< 0.02	0.31	0.06	< 0.02	0.40	73.8	336	398	78.1	252	24.7	2.8	12.5	1.0	4.29	0.7	1.9
R21193	22.6	24.6	1.4	1.2	4.07	0.454	0.78	< 0.02	0.28	< 0.02	< 0.02	0.41	96.2	398	674	97.8	322	32.6	3.5	17.8	1.3	5.67	0.9	2.4
R21194	18.9	16.2	1.2	1.2	1.68	0.138	0.41	< 0.02	0.24	< 0.02	< 0.02	0.28	59.4	298	416	70.9	235	22.4	2.5	12.1	0.9	3.80	0.6	1.5
R21195	15.2	27.5	1.1	1.2	3.47	0.428	0.34	< 0.02	0.28	< 0.02	< 0.02	0.42	58.1	333	751	103	354	39.5	4.4	21.7	1.7	7.41	1.2	2.9
R21196	39.2	36.0	3.1	2.0	3.56	0.228	0.38	< 0.02	0.58	< 0.02	< 0.02	1.07	146	230	387	58.1	192	23.8	3.2	15.9	1.4	6.90	1.2	3.2
R21197	21.4	26.3	2.1	1.2	6.16	0.302	0.49	< 0.02	0.26	0.05	< 0.02	0.40	42.9	280	357	65.3	217	23.9	2.8	14.1	1.1	5.20	0.9	2.2
R21198	23.8	39.8	1.6	1.0	3.96	0.318	0.90	< 0.02	0.25	0.03	0.02	0.88	61.9	330	481	88.9	322	37.8	5.0	21.7	1.7	7.86	1.4	3.5
R21199	38.8	28.4	1.9	1.4	2.27	0.336	0.69	< 0.02	0.29	< 0.02	0.03	0.86	86.5	260	319	70.6	242	27.7	3.3	14.9	1.3	5.86	1.0	2.6
R21200	27.1	18.2	3.1	1.8	1.36	0.186	0.38	< 0.02	0.41	< 0.02	< 0.02	0.86	159	282	340	79.6	285	32.8	3.2	15.6	1.1	4.84	0.8	1.8
R21201	32.8	16.0	1.6	0.9	1.77	0.396	0.70	< 0.02	0.19	< 0.02	< 0.02	0.41	59.2	276	277	66.9	219	22.1	2.4	10.9	0.8	3.69	0.6	1.5
R21202	23.9	16.1	0.4	0.5	1.21	0.340	0.39	< 0.02	0.09	< 0.02	< 0.02	0.16	53.9	286	445	70.6	237	24.7	3.0	13.5	1.0	4.20	0.7	1.5
R21203	17.6	14.9	0.9	1.0	4.22	0.257	0.42	< 0.02	0.20	0.03	0.05	0.21	47.9	224	336	51.2	165	17.5	2.0	10.2	0.8	3.34	0.5	1.3
R21204	17.0	21.9	1.0	1.0	3.79	0.573	0.77	< 0.02	0.22	0.04	0.02	0.33	79.0	356	555	86.1	280	28.7	3.0	15.1	1.1	5.07	0.8	2.0
R21205	31.5	24.0	1.4	1.4	2.20	0.284	0.45	< 0.02	0.31	0.03	0.07	0.43	90.5	364	501	94.1	315	33.0	3.7	17.1	1.3	5.81	1.0	2.3
R21206	14.5	18.8	1.2	0.8	9.12	0.391	0.30	< 0.02	0.17	0.05	0.03	0.18	25.0	352	487	75.7	239	23.3	2.6	13.3	1.0	4.41	0.7	1.8
R21207	22.0	16.0	0.7	0.9	3.03	0.314	0.47	< 0.02	0.25	0.04	0.04	0.36	88.7	292	359	59.7	183	17.4	2.2	10.0	0.8	3.59	0.6	1.5
R21208	29.3	15.1	1.7	1.8	3.43	0.283	0.45	< 0.02	0.38	0.03	< 0.02	0.43	136	254	305	52.1	161	15.5	2.0	9.0	0.7	3.17	0.5	1.4
R21209	24.2	17.5	2.4	2.5	5.53	0.193	0.32	0.02	0.59	0.03	< 0.02	0.62	179	233	331	60.6	197	20.9	2.5	11.1	0.9	3.86	0.6	1.6
R21211	19.7	20.9	1.0	1.1	2.86	0.365	0.89	< 0.02	0.49	0.05	0.04	0.33	85.1	373	514	85.0	273	26.1	3.1	13.9	1.0	4.48	0.7	1.9
R21212	21.8	16.5	0.8	1.1	3.71	0.421	0.63	< 0.02	0.25	0.05	0.03	0.28	87.7	324	501	88.7	215	20.3	2.4	11.6	0.8	3.80	0.6	1.5
R21213	18.5	10.6	1.2	1.3	4.22	0.149	0.27	< 0.02	0.35	0.04	< 0.02	0.30	79.3	162	183	34.3	108	11.0	1.3	6.2	0.5	2.44	0.4	1.0
R21214	25.1	17.5	2.3	1.9	5.39	0.132	0.37	0.02	0.55	0.03	0.04	0.59	170	202	292	52.2	171	18.4	2.2	10.6	0.9	4.00	0.7	1.6
R21215	24.2	23.4	1.7	1.5	4.21	0.364	0.76	< 0.02	0.37	0.04	0.04	0.53	119	366	521	84.0	271	27.8	3.2	15.9	1.2	5.20	0.9	2.1
R21216	22.7	19.9	1.3	1.4	4.82	0.438	0.66	< 0.02	0.38	0.04	< 0.02	0.50	121	328	488	73.3	237	24.1	2.8	13.6	1.0	4.40	0.7	1.8
R21217	18.1	32.7	1.8	1.6	5.38	0.379	0.60	< 0.02	0.34	0.03	0.04	0.58	121	496	665	123	398	41.7	4.8	22.2	1.8	7.77	1.3	3.1
R21218	22.4	27.1	2.3	1.6	2.93	0.522	1.08	< 0.02	0.36	0.03	0.03	0.54	44.2	507	615	112	364	36.1	4.1	19.2	1.5	6.40	1.1	2.6
R21219	22.7	15.1	1.0	1.2	1.10	0.587	0.42	< 0.02	0.27	0.03	< 0.02	0.37	81.5	238	366	53.7	171	17.6	2.2	10.4	0.9	3.78	0.6	1.4
R21220	26.0	24.6	3.7	2.1	2.44	0.462	0.46	< 0.02	0.40	0.04	0.03	0.65	52.3	499	497	113	375	37.4	4.4	19.9	1.4	5.93	0.9	2.3
R21221	20.5	16.8	0.8	1.1	1.70	0.612	0.67	< 0.02	0.20	0.03	0.02	0.31	49.1	219	365	45.2	142	15.0	2.1	9.2	0.8	3.62	0.6	1.5
R21222	15.9	17.0	1.6	1.1	3.13	0.674	0.41	< 0.02	0.23	0.04	0.03	0.33	77.9	248	554	55.1	178	18.4	2.4	11.4	0.9	3.95	0.6	1.6
R21224	21.8	16.2	1.1	1.0	1.92	0.665	0.49	< 0.02	0.21	0.03	0.05	0.35	60.9	341	481	76.5	246	24.5	3.0	12.3	0.9	3.96	0.6	1.5
R21225	25.5	3.28	1.3	2.4	3.82	0.004	0.03	< 0.02	0.38	0.02	< 0.02	0.45	26.2	16.4	35.9	4.0	13.6	2.1	0.4	1.4	0.2	0.867	0.2	0.4
R21226	23.2	15.2	1.3	1.3	2.46	0.300	0.37	< 0.02	0.29	0.04	0.03	0.50	105	301	353	66.9	212	20.4	2.4	10.3	0.8	3.55	0.6	1.4
R21227	21.4	13.3	1.3	1.7	3.36	0.348	0.63	< 0.02	0.30	< 0.02	0.08	0.58	130	199	305	45.3	147	15.8	2.0	9.0	0.7	3.36	0.5	1.3
R21228	21.0	9.31	0.9	1.5	2.24	0.277	0.32	< 0.02	0.27	< 0.02	< 0.02	0.38	130	162	243	36.3	117	12.1	1.6	6.7	0.5	2.32	0.4	0.9
R21229	23.4	25.0	4.7	1.9	3.72	0.509	0.23	< 0.02	0.38	0.04	0.03	0.71	41.8	366	515	88.0	349	37.4	4.6	19.3	1.4	6.17	1.0	2.4
R21230	21.0	21.8	1.9	1.2	3.20	0.359	0.37	< 0.02	0.24	< 0.02	< 0.02	0.48	92.0	363	436	94.1	323	34.5	4.1	16.8	1.3	5.52	0.9	2.1
R21232	24.9	17.1	1.2	1.1	4.77	0.225	0.46	< 0.02	0.22	0.03	< 0.02	0.34	61.5	331	401	73.6	236	22.8	2.5	11.8	0.9	3.87	0.6	1.6
R21233	21.7	15.3	2.0	1.8	3.20	0.698	0.23	< 0.02	0.42	0.03	< 0.02	0.55	95.0	230	276	46.7	157	15.8	1.9	9.1	0.7	3.40	0.6	1.4
R21234	20.0	18.0	1.5	1.5	2.36	0.736	0.39	< 0.02	0.22	0.03	< 0.02	0.35	94.7	345	512	76.1	241	23.4	2.8	13.4	1.0	4.43	0.7	1.7
R21235	22.2	17.8	2.2	2.2	2.31	0.361	0.47	< 0.02	0.40	0.03	0.02	0.53	102	309	369	68.3	215	21.3	2.6	12.1	1.0	4.18	0.7	1.7
R21236	17.4	16.9	1.2	1.1	2.36	0.967	0.48	< 0.02	0.23	0.06	< 0.02	0.34	49.1	394	446	78.3	243	23.2	2.8	12.6	0.9	3.94	0.6	1.4
R21237	25.5	21.6	1.9	2.1	2.11	0.416	0.45	< 0.02	0.39	0.03	0.02	0.49	87.9	393	494	81.7	256	24.8	3.0	13.4	1.0	4.64	0.8	1.9
R21238	19.6	16.4	0.9	1.1	4.70	0.161	0.27	< 0.02	0.32	< 0.02	< 0.02	0.26	54.1	192	339	50.4	165	17.5	2.1	9.7	0.8	3.74	0.6	1.6
R21239	14.4	25.4	0.9	1.1	2.66	0.397	0.77	< 0.02	0.20	0.03	< 0.02	0.30	55.6	402	857	100	327	34.2	3.9	19.4	1.5	6.50	1.0	2.5
R21240	17.5	18.7	1.2	1.0	5.20	0.484	0.59	< 0.02	0.20	0.04	< 0.02	0.36	46.3	314	421	68.8	217	21.6	2.5	11.9	1.0	4.24	0.7	1.7

Analyte Symbol	Sr	Y	Zr	Nb	Mo	Ag	Cd	In	Sn	Sb	Te	Cs	Ba	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er
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	0.5	0.01	0.1	0.1	0.01	0.002	0.01	0.02	0.05	0.02	0.02	0.02	0.5	0.5	0.01	0.1	0.02	0.1	0.1	0.1	0.1	0.001	0.1	0.1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
R21241	15.6	21.4	0.5	0.8	5.38	0.514	0.66	< 0.02	0.18	0.05	0.06	0.40	66.6	369	663	82.6	275	28.8	4.1	17.0	1.3	5.75	0.9	2.1
R21242	20.6	38.6	2.6	1.1	5.95	0.511	0.65	< 0.02	0.23	0.04	0.04	0.58	25.5	504	582	126	433	47.8	6.4	26.1	2.0	8.64	1.5	3.6
R21243	20.9	29.4	0.7	0.8	8.23	0.190	0.50	< 0.02	0.22	0.04	0.04	0.82	49.8	220	337	60.5	212	25.0	3.5	14.3	1.2	5.87	1.0	2.6
R21244	27.5	43.1	3.2	1.4	7.96	0.447	0.73	< 0.02	0.24	0.06	0.03	0.58	22.7	501	741	127	433	47.0	5.5	25.6	2.0	9.19	1.6	4.0
R21245	17.0	24.7	1.5	0.8	7.83	0.590	0.59	< 0.02	0.16	0.05	< 0.02	0.30	53.3	362	641	79.3	259	27.3	3.7	15.8	1.3	5.88	1.0	2.4
R21246	34.4	26.5	3.0	1.8	2.97	0.373	0.62	< 0.02	0.37	0.03	< 0.02	0.75	113	350	378	82.4	267	28.3	3.4	15.4	1.3	5.90	1.0	2.5
R21247	17.9	17.4	0.3	0.5	2.17	0.397	0.49	< 0.02	0.16	0.08	< 0.02	0.18	37.8	310	472	72.5	233	23.7	2.8	13.3	1.0	4.33	0.7	1.6
R21248	142	31.3	0.9	1.1	3.71	0.522	0.64	< 0.02	0.24	0.03	0.03	0.40	17.4	424	797	111	372	40.9	4.8	23.0	1.8	7.66	1.2	3.0
R21249	25.5	3.41	1.4	2.6	4.17	< 0.002	0.03	< 0.02	0.41	< 0.02	< 0.02	0.41	25.4	16.4	35.2	4.0	14.2	2.1	0.4	1.5	0.2	0.930	0.2	0.4
R21250	23.9	22.0	2.1	1.5	1.90	0.316	0.43	< 0.02	0.28	< 0.02	< 0.02	0.38	88.4	390	461	95.0	314	31.7	3.7	15.5	1.2	5.21	0.8	2.0
R21251	18.8	22.1	1.0	1.1	3.72	0.349	0.60	< 0.02	0.25	0.04	< 0.02	0.36	62.0	403	626	88.6	279	27.0	3.2	14.8	1.1	4.84	0.8	2.0
R21252	19.4	21.9	1.3	1.2	4.00	0.344	0.62	< 0.02	0.25	0.03	0.03	0.37	98.1	429	528	92.1	292	27.9	3.3	15.2	1.1	4.99	0.8	2.0
R21253	22.7	16.7	2.4	2.5	2.11	0.440	0.13	0.03	0.72	< 0.02	< 0.02	0.93	182	214	395	60.9	206	22.8	2.9	12.8	1.1	4.69	0.7	1.8
R21254	31.8	12.5	1.8	1.7	4.11	0.176	0.24	< 0.02	0.28	< 0.02	0.03	0.37	19.9	222	307	49.4	155	14.9	1.8	8.5	0.7	2.82	0.5	1.2
R21255	19.8	14.6	1.7	1.8	3.24	0.136	0.36	< 0.02	0.45	< 0.02	0.02	0.44	117	180	283	42.7	139	14.7	1.8	8.9	0.7	3.14	0.5	1.3
R21256	26.9	20.8	1.1	0.9	2.34	0.441	0.52	< 0.02	0.12	0.02	< 0.02	0.18	50.2	387	554	88.7	289	28.3	3.3	15.2	1.1	4.75	0.8	1.9
R21257	23.7	20.1	1.8	1.4	5.79	0.304	0.55	< 0.02	0.29	0.04	< 0.02	0.31	76.5	410	485	91.9	293	28.4	3.2	14.1	1.1	4.68	0.8	1.8
R21258	21.0	22.7	4.0	2.0	2.67	0.464	0.39	< 0.02	0.43	< 0.02	0.03	0.73	131	389	467	101	342	37.5	4.2	18.1	1.4	6.04	1.0	2.3
R21259	20.8	30.5	1.4	1.1	5.61	0.579	0.93	< 0.02	0.32	0.04	0.03	0.41	61.7	546	658	120	393	39.9	4.6	21.7	1.7	7.10	1.1	2.7
R21260	24.9	17.7	0.4	0.6	2.21	0.336	0.59	< 0.02	0.09	< 0.02	< 0.02	0.17	55.7	333	520	77.4	257	25.9	3.0	14.2	1.0	4.36	0.7	1.6
R21261	24.0	14.5	3.2	2.2	1.03	0.329	0.34	< 0.02	0.50	0.05	0.03	0.67	51.2	237	301	59.8	197	20.6	2.3	10.2	0.8	3.43	0.6	1.4
R21262	19.9	20.2	1.5	1.5	2.08	0.379	0.28	< 0.02	0.36	0.03	0.03	0.37	93.4	419	606	96.0	311	29.7	3.5	15.6	1.1	4.92	0.8	1.9
R21263	13.6	27.6	2.1	1.6	5.02	0.347	0.38	< 0.02	0.31	0.10	< 0.02	0.29	38.5	355	440	70.6	219	22.6	2.8	13.8	1.2	5.70	1.0	2.5
R21264	25.6	36.1	1.6	1.2	1.83	0.275	1.36	< 0.02	0.22	0.05	0.04	0.46	18.7	493	640	132	466	49.1	6.4	26.1	2.0	8.56	1.4	3.5
R21265	21.7	24.4	1.1	1.3	2.22	0.360	0.48	< 0.02	0.17	0.02	0.06	0.25	63.6	340	516	81.5	278	30.3	3.9	17.0	1.3	5.79	0.9	2.3
R21266	19.4	21.1	0.8	1.0	2.50	0.380	0.38	< 0.02	0.16	0.02	< 0.02	0.35	66.9	305	490	76.6	261	28.4	3.4	15.1	1.1	4.89	0.8	1.9
R21267	30.3	20.2	3.2	2.5	6.07	0.111	0.16	0.02	0.68	< 0.02	0.04	1.04	161	151	248	47.0	170	21.7	2.7	11.7	1.0	4.73	0.8	2.0
R21268	16.8	29.5	0.9	1.0	2.41	0.511	0.43	< 0.02	0.17	< 0.02	0.03	0.34	79.3	318	660	81.0	271	31.2	4.2	18.5	1.6	7.16	1.2	2.9
R21269	20.9	35.4	1.3	1.2	2.70	0.292	0.78	< 0.02	0.24	0.04	0.03	0.33	65.3	453	579	111	385	42.9	5.9	24.2	1.8	8.10	1.3	3.3
R21270	22.9	23.0	1.8	1.0	2.92	0.348	0.33	< 0.02	0.18	0.03	< 0.02	0.26	52.8	422	568	101	353	36.3	4.9	18.9	1.3	5.51	0.9	2.1
R21271	21.1	36.1	1.2	1.0	2.63	0.345	0.50	< 0.02	0.22	0.04	< 0.02	0.51	31.2	446	485	103	361	40.5	6.3	22.4	1.8	7.88	1.3	3.1
R21272	22.0	35.8	1.0	1.3	2.24	0.574	0.49	< 0.02	0.26	0.04	< 0.02	0.46	38.6	388	610	95.0	335	38.9	5.9	22.3	1.8	8.32	1.4	3.4
R21273	22.8	31.5	1.5	1.7	3.34	0.300	0.65	< 0.02	0.23	0.03	< 0.02	0.24	58.0	426	552	101	344	35.7	4.3	19.7	1.6	7.17	1.2	3.0
R21274	26.0	63.4	1.3	0.9	3.84	0.405	0.72	< 0.02	0.09	0.06	< 0.02	0.12	46.9	450	727	123	424	53.3	6.8	32.1	3.0	14.7	2.5	6.4
R21275	27.8	22.5	1.0	0.8	2.41	0.492	0.44	< 0.02	0.28	0.04	< 0.02	0.22	49.3	456	597	105	336	32.8	3.8	16.4	1.2	5.47	0.9	2.1
R21276	18.3	22.4	1.4	1.2	4.40	0.485	0.54	< 0.02	0.26	0.03	< 0.02	0.37	40.5	416	579	90.4	285	27.6	3.2	14.5	1.1	5.07	0.8	2.1
R21277	18.2	15.8	2.3	1.3	4.96	0.447	0.36	< 0.02	0.24	0.03	< 0.02	0.31	18.2	297	354	62.9	192	18.2	2.2	9.8	0.8	3.50	0.6	1.5
R21278	25.1	3.42	1.4	2.5	3.65	0.010	0.04	< 0.02	0.41	< 0.02	< 0.02	0.42	24.2	16.0	36.7	4.0	13.7	2.1	0.4	1.6	0.2	0.933	0.2	0.4
R21279	29.3	21.0	2.4	2.2	4.59	0.275	0.45	0.02	0.63	< 0.02	< 0.02	0.70	191	256	383	69.0	228	24.4	2.9	13.6	1.1	4.90	0.8	2.0
R21280	19.3	18.8	1.7	2.1	3.34	0.474	0.55	< 0.02	0.54	0.02	< 0.02	0.45	111	313	510	66.2	207	20.8	2.6	12.7	1.0	4.18	0.7	1.7
R21281	21.0	16.6	1.4	1.9	1.36	0.404	0.51	< 0.02	0.41	0.03	< 0.02	0.58	110	288	332	70.6	230	23.2	2.8	12.0	0.9	3.94	0.6	1.5

Analyte Symbol	Tm	Yb	Lu	Hf	Ta	W	Re	Au	Tl	Pb	Th	U
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm
Detection Limit	0.1	0.1	0.1	0.1	0.05	0.1	0.001	0.5	0.02	0.01	0.1	0.1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
R21082	0.4	2.4	0.4	< 0.1	< 0.05	< 0.1	0.002	2.1	0.19	8.70	5.6	4.0
R21083	0.3	1.7	0.3	< 0.1	< 0.05	< 0.1	0.002	1.5	0.81	14.4	36.4	2.7
R21084	0.3	1.9	0.3	< 0.1	< 0.05	< 0.1	0.003	3.5	0.78	14.0	32.0	3.9
R21085	0.2	1.4	0.2	< 0.1	< 0.05	< 0.1	0.001	2.8	0.35	7.53	12.1	3.2
R21086	0.2	1.5	0.2	< 0.1	< 0.05	1.4	0.002	< 0.5	0.46	11.8	21.1	4.9
R21087	0.3	1.8	0.3	< 0.1	< 0.05	0.1	0.006	1.7	0.23	6.24	9.2	2.2
R21088	0.3	2.0	0.3	< 0.1	< 0.05	0.1	0.002	0.6	1.05	10.5	26.0	4.4
R21089	< 0.1	0.3	< 0.1	< 0.1	< 0.05	0.2	0.001	< 0.5	0.03	3.04	6.1	0.6
R21090	0.2	1.5	0.2	< 0.1	< 0.05	< 0.1	0.001	1.9	0.50	12.0	25.7	4.4
R21091	0.5	3.2	0.5	< 0.1	< 0.05	< 0.1	0.003	4.7	0.82	17.2	32.9	8.3
R21092	0.2	1.2	0.2	< 0.1	< 0.05	< 0.1	0.001	2.9	0.61	12.1	21.3	3.2
R21093	0.5	2.8	0.4	< 0.1	< 0.05	< 0.1	0.003	1.2	0.76	14.0	39.2	6.5
R21094	0.4	2.6	0.4	< 0.1	< 0.05	< 0.1	0.003	4.2	0.72	15.8	35.7	5.7
R21095	0.3	1.8	0.3	< 0.1	< 0.05	< 0.1	0.002	1.6	0.41	11.1	18.9	3.1
R21096	0.6	3.9	0.6	< 0.1	< 0.05	0.2	0.001	1.4	0.32	10.0	14.1	7.5
R21097	0.3	1.8	0.3	< 0.1	< 0.05	< 0.1	0.003	5.6	0.65	15.0	28.9	3.4
R21098	0.2	1.5	0.2	< 0.1	< 0.05	< 0.1	0.001	0.8	0.38	8.85	15.5	2.4
R21099	0.5	3.1	0.5	< 0.1	< 0.05	< 0.1	0.004	1.6	0.53	14.4	22.1	4.3
R21100	0.3	1.9	0.3	< 0.1	< 0.05	< 0.1	0.003	0.9	0.42	10.4	20.5	2.7
R21101	0.4	2.6	0.4	< 0.1	< 0.05	< 0.1	0.004	5.0	0.45	16.5	20.3	5.2
R21102	0.3	1.7	0.3	< 0.1	< 0.05	< 0.1	0.002	3.4	0.82	20.4	55.7	3.4
R21103	0.5	3.4	0.5	< 0.1	< 0.05	< 0.1	0.003	4.2	0.76	19.7	47.6	4.0
R21104	0.5	3.2	0.5	< 0.1	< 0.05	< 0.1	0.002	2.6	0.41	10.8	18.3	3.3
R21105	0.3	1.7	0.3	0.1	< 0.05	< 0.1	0.003	3.6	0.75	14.4	40.1	3.0
R21106	0.5	3.0	0.5	< 0.1	< 0.05	< 0.1	0.002	1.6	0.63	18.6	37.5	6.4
R21107	0.5	2.9	0.4	< 0.1	< 0.05	< 0.1	0.002	2.3	0.78	34.5	38.1	5.1
R21108	0.3	2.0	0.3	< 0.1	< 0.05	< 0.1	0.002	1.3	0.60	17.4	39.6	4.3
R21109	0.4	2.2	0.3	< 0.1	< 0.05	< 0.1	0.004	5.0	0.64	18.5	30.5	4.3
R21110	0.5	3.0	0.5	< 0.1	< 0.05	< 0.1	0.003	2.6	0.72	22.2	33.1	6.0
R21111	0.4	2.4	0.4	< 0.1	< 0.05	< 0.1	0.002	2.2	0.51	13.2	25.8	5.9
R21112	0.3	2.2	0.3	< 0.1	< 0.05	< 0.1	0.002	2.4	0.80	16.7	50.4	4.1
R21113	0.3	1.6	0.3	< 0.1	< 0.05	< 0.1	0.003	3.2	0.46	9.75	16.6	3.0
R21114	0.2	1.3	0.2	< 0.1	< 0.05	< 0.1	0.002	1.3	0.85	15.6	39.8	2.5
R21115	0.3	1.8	0.3	< 0.1	< 0.05	< 0.1	0.003	0.6	0.62	12.6	29.3	3.8
R21116	0.4	2.4	0.4	< 0.1	< 0.05	< 0.1	0.003	1.8	0.60	9.24	16.0	6.0
R21117	0.3	2.0	0.3	< 0.1	< 0.05	< 0.1	0.002	< 0.5	0.27	8.33	9.2	3.9
R21118	0.5	2.9	0.4	< 0.1	< 0.05	< 0.1	0.002	2.2	0.28	4.43	11.3	2.3
R21119	0.6	3.6	0.5	< 0.1	< 0.05	< 0.1	0.003	2.4	0.44	5.45	9.4	3.6
R21120	0.6	3.9	0.6	< 0.1	< 0.05	< 0.1	0.004	1.0	0.31	6.76	10.5	2.4
R21121	0.4	2.1	0.3	< 0.1	< 0.05	< 0.1	0.002	1.5	0.43	6.84	11.8	2.9
R21122	< 0.1	0.2	< 0.1	< 0.1	< 0.05	0.2	0.001	< 0.5	< 0.02	2.98	5.1	0.5
R21123	0.2	1.1	0.2	< 0.1	< 0.05	< 0.1	0.003	1.8	0.60	11.8	25.3	1.4
R21124	0.3	1.6	0.2	< 0.1	< 0.05	0.1	0.008	< 0.5	0.15	3.46	7.6	16.1
R21125	0.4	2.2	0.3	< 0.1	< 0.05	< 0.1	0.002	< 0.5	0.14	3.89	4.4	17.7
R21126	0.4	2.3	0.4	< 0.1	< 0.05	0.1	0.009	< 0.5	0.33	5.78	7.0	12.9
R21127	0.4	2.4	0.4	< 0.1	< 0.05	< 0.1	0.001	< 0.5	0.26	4.83	6.1	20.0
R21128	0.2	1.2	0.2	< 0.1	< 0.05	0.1	0.004	3.6	0.14	7.28	4.1	21.5
R21129	0.3	2.0	0.3	< 0.1	< 0.05	< 0.1	0.004	< 0.5	0.16	5.09	5.8	33.3
R21130	0.3	1.8	0.3	< 0.1	< 0.05	0.3	0.002	< 0.5	0.13	5.04	4.9	11.9
R21131	0.5	2.9	0.4	< 0.1	< 0.05	< 0.1	0.005	< 0.5	0.17	4.39	8.1	9.1
R21132	0.7	3.9	0.6	< 0.1	< 0.05	< 0.1	0.003	< 0.5	0.34	5.69	8.0	10.2
R21133	0.4	2.5	0.4	< 0.1	< 0.05	0.1	0.003	< 0.5	0.27	4.33	4.5	14.9

Analyte Symbol	Tm	Yb	Lu	Hf	Ta	W	Re	Au	Tl	Pb	Th	U
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm
Detection Limit	0.1	0.1	0.1	0.1	0.05	0.1	0.001	0.5	0.02	0.01	0.1	0.1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
R21134	0.2	1.2	0.2	< 0.1	< 0.05	< 0.1	0.001	< 0.5	0.36	8.20	20.3	2.8
R21135	0.4	2.5	0.4	< 0.1	< 0.05	0.2	0.004	2.0	0.78	16.0	49.6	16.6
R21136	0.7	3.8	0.6	< 0.1	< 0.05	< 0.1	0.004	< 0.5	0.82	16.9	59.9	6.0
R21137	0.4	2.4	0.4	< 0.1	< 0.05	< 0.1	0.004	1.0	0.29	4.33	14.0	4.3
R21138	0.4	2.7	0.4	< 0.1	< 0.05	< 0.1	0.003	1.2	0.16	5.81	13.1	4.4
R21139	0.5	2.8	0.4	< 0.1	< 0.05	< 0.1	0.003	8.5	0.21	5.91	12.9	5.3
R21140	0.5	2.9	0.4	< 0.1	< 0.05	< 0.1	0.003	2.1	0.26	5.02	9.1	5.0
R21141	0.5	3.0	0.4	< 0.1	< 0.05	< 0.1	0.004	0.8	0.15	6.08	4.5	4.6
R21142	0.5	2.9	0.4	< 0.1	< 0.05	< 0.1	0.003	< 0.5	0.15	3.94	5.8	5.7
R21143	0.4	2.3	0.3	< 0.1	< 0.05	< 0.1	0.003	0.8	0.34	7.78	21.7	4.4
R21144	0.4	2.4	0.3	< 0.1	< 0.05	< 0.1	0.004	2.2	0.32	6.01	15.5	2.9
R21145	0.5	3.0	0.4	< 0.1	< 0.05	< 0.1	0.002	< 0.5	0.28	5.55	5.7	8.6
R21146	0.3	2.0	0.3	< 0.1	< 0.05	< 0.1	0.003	1.1	0.21	4.63	4.9	3.4
R21147	< 0.1	0.3	< 0.1	< 0.1	< 0.05	0.2	0.001	0.5	0.04	2.90	5.0	0.6
R21148	0.8	4.5	0.7	< 0.1	< 0.05	< 0.1	0.008	2.8	0.15	5.87	4.3	11.2
R21149	0.7	4.3	0.6	< 0.1	< 0.05	< 0.1	0.002	2.7	0.14	3.21	3.3	3.6
R21150	0.6	3.8	0.6	< 0.1	< 0.05	< 0.1	0.004	2.7	0.48	14.4	34.8	9.6
R21151	0.7	4.3	0.7	< 0.1	< 0.05	< 0.1	0.004	2.0	0.20	6.55	7.9	6.9
R21152	0.8	4.7	0.7	< 0.1	< 0.05	< 0.1	0.004	6.0	0.24	6.91	8.6	7.7
R21153	0.6	3.4	0.5	< 0.1	< 0.05	< 0.1	0.003	2.0	0.12	4.02	2.7	4.2
R21154	0.3	1.5	0.2	< 0.1	< 0.05	< 0.1	0.001	2.3	0.18	6.07	13.1	2.9
R21155	0.8	4.7	0.7	< 0.1	< 0.05	< 0.1	0.003	2.8	0.22	3.63	4.9	4.8
R21156	0.6	3.3	0.5	< 0.1	< 0.05	< 0.1	0.002	6.1	0.22	9.40	9.2	5.2
R21157	0.8	4.9	0.7	< 0.1	< 0.05	< 0.1	0.003	3.5	0.22	5.65	9.2	3.4
R21158	0.4	2.4	0.3	< 0.1	< 0.05	< 0.1	0.002	1.7	0.36	8.51	15.6	3.7
R21159	0.5	2.7	0.4	< 0.1	< 0.05	< 0.1	0.005	< 0.5	0.16	5.22	6.9	28.6
R21160	0.5	2.9	0.4	< 0.1	< 0.05	< 0.1	0.004	1.1	0.17	10.3	5.5	104
R21161	0.3	1.7	0.3	< 0.1	< 0.05	< 0.1	0.003	2.2	0.09	5.39	3.2	14.1
R21162	0.3	1.7	0.3	< 0.1	< 0.05	0.1	0.006	3.5	0.55	15.2	21.1	15.7
R21163	0.8	5.1	0.8	< 0.1	< 0.05	< 0.1	0.006	3.1	0.28	7.01	8.8	17.6
R21164	0.4	2.4	0.3	< 0.1	< 0.05	< 0.1	0.003	2.5	0.23	5.01	10.2	2.8
R21165	0.4	2.1	0.3	< 0.1	< 0.05	< 0.1	0.010	4.0	0.17	5.43	6.9	2.9
R21166	0.2	1.2	0.2	< 0.1	< 0.05	0.1	0.001	6.5	0.32	9.07	16.0	3.8
R21167	0.2	1.1	0.2	< 0.1	< 0.05	< 0.1	0.003	1.9	0.16	3.08	5.9	1.4
R21168	0.2	1.2	0.2	< 0.1	< 0.05	< 0.1	0.003	1.9	0.13	4.01	5.5	2.1
R21169	0.2	1.5	0.2	< 0.1	< 0.05	< 0.1	0.004	3.2	0.05	2.76	2.8	1.7
R21170	0.3	1.5	0.3	< 0.1	< 0.05	< 0.1	0.004	2.3	0.11	3.58	2.6	1.9
R21171	0.3	1.7	0.3	< 0.1	< 0.05	< 0.1	0.006	2.1	0.17	3.71	3.5	2.2
R21172	0.3	1.8	0.3	< 0.1	< 0.05	< 0.1	0.004	2.3	0.15	4.80	7.1	2.1
R21173	0.2	1.2	0.2	< 0.1	< 0.05	< 0.1	0.003	2.0	0.15	2.64	2.9	0.9
R21174	0.2	1.3	0.2	< 0.1	< 0.05	< 0.1	0.005	2.6	0.34	5.63	4.9	2.1
R21175	0.3	1.5	0.3	< 0.1	< 0.05	< 0.1	0.005	4.7	0.25	4.06	8.1	2.9
R21176	0.2	1.2	0.2	< 0.1	< 0.05	< 0.1	0.002	3.1	0.20	5.01	3.7	1.8
R21177	0.2	1.2	0.2	< 0.1	< 0.05	< 0.1	0.003	2.5	0.21	3.91	2.5	5.0
R21178	0.3	1.8	0.2	< 0.1	< 0.05	< 0.1	0.003	2.2	0.34	5.12	3.1	4.6
R21179	0.2	1.3	0.2	< 0.1	< 0.05	< 0.1	0.005	3.2	0.24	5.07	13.3	5.6
R21180	< 0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	0.001	< 0.5	0.03	3.36	6.5	0.7
R21181	0.2	0.9	0.1	< 0.1	< 0.05	0.1	0.002	1.7	0.19	4.12	9.3	4.3
R21182	0.3	1.8	0.3	< 0.1	< 0.05	< 0.1	0.005	4.6	0.40	5.69	8.9	4.0
R21183	0.2	1.3	0.2	< 0.1	< 0.05	< 0.1	0.003	3.0	0.23	3.84	7.6	0.9
R21184	0.2	1.2	0.2	< 0.1	< 0.05	< 0.1	0.003	1.8	0.19	1.81	3.0	1.6
R21185	0.3	1.6	0.3	< 0.1	< 0.05	< 0.1	0.003	< 0.5	0.10	3.90	4.9	1.9

Analyte Symbol	Tm	Yb	Lu	Hf	Ta	W	Re	Au	Tl	Pb	Th	U
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm
Detection Limit	0.1	0.1	0.1	0.1	0.05	0.1	0.001	0.5	0.02	0.01	0.1	0.1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
R21186	0.3	1.5	0.2	< 0.1	< 0.05	< 0.1	0.003	3.3	0.07	3.75	2.1	2.2
R21187	0.2	1.2	0.2	< 0.1	< 0.05	< 0.1	0.005	3.7	0.13	5.32	5.6	1.3
R21188	0.3	1.4	0.2	< 0.1	< 0.05	< 0.1	0.002	1.3	0.16	3.71	4.2	2.0
R21189	0.2	1 4	0.2	< 0.1	< 0.05	< 0.1	0.002	1.4	0.05	4.74	2.6	1.8
R21190	0.3	1.8	0.3	< 0.1	< 0.05	< 0.1	0.004	2.7	0.24	3.19	15.2	2.5
R21191	0.2	1.2	0.2	< 0.1	< 0.05	< 0.1	0.002	3.6	0.07	3.98	4.7	1.8
R21192	0.2	1.5	0.2	< 0.1	< 0.05	< 0.1	0.005	1.7	0.29	5.51	5.8	2.4
R21193	0.3	1.8	0.3	< 0.1	< 0.05	< 0.1	0.003	1.7	0.21	4.51	3.6	3.1
R21194	0.2	1.1	0.2	< 0.1	< 0.05	< 0.1	0.003	0.8	0.18	4.39	6.0	1.2
R21195	0.4	2.2	0.3	< 0.1	< 0.05	< 0.1	0.002	3.7	0.07	6.92	8.0	4.0
R21196	0.4	2.5	0.4	< 0.1	< 0.05	< 0.1	0.004	1.9	0.36	8.03	13.2	8.1
R21197	0.3	1.8	0 3	< 0.1	< 0.05	< 0.1	0.004	2.5	0.16	5.05	8.5	7.8
R21198	0.5	2.8	0.4	< 0.1	< 0.05	< 0.1	0.005	1.2	0.17	8.21	3.8	21.1
R21199	0.3	2.0	0.3	< 0.1	< 0.05	< 0.1	0.008	2.4	0.22	7.81	4.6	15.3
R21200	0.2	1.2	0.2	< 0.1	< 0 05	< 0.1	0.004	1.5	0.26	5.98	11.5	2.3
R21201	0.2	1.1	0.2	< 0.1	< 0.05	< 0.1	0.005	4.2	0.11	3.86	4.3	2.0
R21202	0.2	1.1	0.2	< 0.1	< 0.05	< 0.1	0.003	1.2	0.14	1.77	2.2	1.9
R21203	0.2	1.0	0.1	< 0.1	< 0.05	< 0.1	0.002	1.2	0.12	2 79	4.1	1.1
R21204	0.3	1.5	0.2	< 0.1	< 0.05	< 0.1	0.002	1.9	0.18	3.86	4.7	2.0
R21205	0.3	1.7	0.3	< 0.1	< 0.05	< 0.1	0.003	2.9	0.22	3.92	5.2	3.0
R21206	0.2	1.3	0.2	< 0.1	< 0.05	< 0.1	0.003	2.7	0.15	3.99	4.7	4.2
R21207	0.2	1.1	0.2	< 0.1	< 0.05	< 0.1	0.005	3.5	0.26	4.01	2.6	2.3
R21208	0.2	1.0	0.2	< 0.1	< 0.05	< 0.1	0.005	1.7	0.22	4.29	5.0	2.1
R21209	0.2	1.2	0.2	< 0.1	< 0.05	< 0.1	0.004	3 6	0.30	5.29	14.8	3.1
R21211	0.2	1.4	0.2	< 0.1	< 0.05	< 0.1	0.003	2.1	0.31	3.90	4.8	2.2
R21212	0.2	1.1	0.2	< 0.1	< 0.05	< 0.1	0.003	2.4	0.40	4.40	3.9	2.4
R21213	0.1	0.7	0.1	< 0.1	< 0 05	< 0.1	0.002	1.8	0.12	3.63	5.1	1.3
R21214	0.2	1.2	0.2	< 0.1	< 0.05	< 0.1	0.003	4.1	0.23	4.56	11.6	3.3
R21215	0.3	1.5	0 3	< 0.1	< 0.05	< 0.1	0.003	1.5	0.23	4.90	5.9	3.8
R21216	0.2	1.3	0.2	< 0.1	< 0.05	< 0.1	0.002	1.6	0.25	4.94	5.2	3.3
R21217	0.4	2.3	0.4	< 0.1	< 0.05	< 0.1	0.002	4.2	0.34	4.62	8.5	3.6
R21218	0.3	1.9	0.3	< 0.1	< 0.05	< 0.1	0.004	1.0	0.31	5.47	6.2	4.5
R21219	0.2	1.0	0.1	< 0.1	< 0.05	< 0.1	0.002	3.1	0.17	3.04	3.3	1.5
R21220	0.3	1.6	0.3	< 0.1	< 0 05	< 0.1	0.005	4.6	0 28	4.79	10.7	4.7
R21221	0.2	1.1	0.2	< 0.1	< 0.05	< 0.1	0.001	1 4	0.21	3.02	3.2	1.6
R21222	0.2	1.2	0.2	< 0.1	< 0.05	< 0.1	0.002	1.4	0.36	5.07	3.5	3.2
R21224	0.2	1.0	0.2	< 0.1	< 0.05	< 0.1	0.002	2.2	0.25	4.12	1.9	3.7
R21225	< 0.1	0.3	< 0 1	< 0.1	< 0.05	0.1	< 0.001	< 0.5	0.03	3.33	5.0	0.6
R21226	0.2	1.0	0 2	< 0.1	< 0.05	< 0.1	0.001	1.7	0.19	4.66	3.7	3.7
R21227	0.2	0.8	0.1	< 0.1	< 0.05	< 0.1	0.003	2 1	0.22	4.78	3.7	4.7
R21228	0.1	0.8	< 0.1	< 0.1	< 0.05	< 0.1	0.001	2.7	0 22	2.70	3.5	2.5
R21229	0.3	1.8	0.3	< 0.1	< 0.05	< 0.1	0.006	3.7	0.21	12.2	8.6	6.7
R21230	0.3	1.5	0.2	< 0.1	< 0.05	< 0.1	0.005	1.7	0.25	4.12	5.8	2.8
R21232	0.2	1.1	0.2	< 0.1	< 0.05	< 0.1	0.003	< 0.5	0 17	6.30	5.0	3.8
R21233	0.2	1.1	0.2	< 0.1	< 0.05	< 0.1	0.003	2.2	0.13	4.37	8.3	2.1
R21234	0.2	1.2	0.2	< 0.1	< 0.05	< 0.1	0.002	3.8	0.36	3.26	5.8	1.9
R21235	0.2	1.2	0.2	< 0.1	< 0.05	< 0.1	0.002	2.6	0.30	4.46	8.9	1.5
R21236	0.2	1.0	0.2	< 0.1	< 0.05	< 0.1	0.003	3.3	0 21	4.34	4.3	1.8
R21237	0.2	1.4	0.2	< 0.1	< 0.05	< 0.1	0.003	4.5	0.23	4.58	7.3	2.2
R21238	0.2	1.2	0.2	< 0.1	< 0.05	< 0.1	0.004	1.5	0.07	3.34	5.4	3.3
R21239	0.3	1.8	0.3	< 0.1	< 0.05	< 0.1	0.002	2.5	0.12	4 08	4.6	2.5
R21240	0.2	1.3	0.2	< 0.1	< 0.05	< 0.1	0.002	3.2	0.19	4 00	3.4	2.4

Analyte Symbol	Tm	Yb	Lu	Hf	Ta	W	Re	Au	Tl	Pb	Th	U
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm
Detection Limit	0.1	0.1	0.1	0.1	0.05	0.1	0.001	0.5	0.02	0.01	0.1	0.1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
R21241	0.3	1.4	0.2	< 0.1	< 0.05	< 0.1	0.002	1.3	0.08	8.29	2.2	2.1
R21242	0.5	2.8	0.4	< 0.1	< 0.05	< 0.1	0.004	2.8	0.19	4.37	3.9	3.6
R21243	0.3	2.0	0.3	< 0.1	< 0.05	< 0.1	0.004	1.7	0.16	7.42	2.2	13.8
R21244	0.5	3.0	0.5	< 0.1	< 0.05	< 0.1	0.006	3.3	0.46	5.83	10.6	4.6
R21245	0.3	1.8	0.3	< 0.1	< 0.05	< 0.1	0.004	2.2	0.24	5.05	3.9	2.9
R21246	0.3	1.9	0.3	< 0.1	< 0.05	< 0.1	0.002	2.8	0.28	5.36	8.9	9.5
R21247	0.2	1.1	0.2	< 0.1	< 0.05	< 0.1	0.001	2.6	0.03	5.13	2.4	1.7
R21248	0.4	2.2	0.4	< 0.1	< 0.05	< 0.1	0.005	2.7	0.28	4.55	4.2	4.5
R21249	< 0.1	0.4	< 0.1	< 0.1	< 0.05	< 0.1	0.001	0.7	0.03	3.40	6.0	0.7
R21250	0.3	1.5	0.2	< 0.1	< 0.05	< 0.1	0.003	1.5	0.19	3.41	9.3	2.9
R21251	0.3	1.5	0.2	< 0.1	< 0.05	< 0.1	0.003	2.3	0.45	4.27	5.6	3.1
R21252	0.3	1.5	0.2	< 0.1	< 0.05	< 0.1	0.005	1.9	0.31	3.71	5.5	3.6
R21253	0.2	1.4	0.2	< 0.1	< 0.05	< 0.1	0.003	3.9	0.29	6.57	29.7	2.1
R21254	0.1	0.9	0.1	< 0.1	< 0.05	< 0.1	0.005	< 0.5	0.19	2.69	9.5	4.9
R21255	0.2	1.0	0.2	< 0.1	< 0.05	< 0.1	0.002	2.0	0.18	3.33	9.3	1.8
R21256	0.2	1.3	0.2	< 0.1	< 0.05	< 0.1	0.005	2.4	0.28	2.47	5.1	2.8
R21257	0.2	1.3	0.2	< 0.1	< 0.05	< 0.1	0.004	1.7	0.23	4.71	8.2	4.3
R21258	0.3	1.8	0.2	< 0.1	< 0.05	0.4	0.005	5.2	0.42	6.54	12.1	4.5
R21259	0.3	2.0	0.3	< 0.1	< 0.05	< 0.1	0.005	2.8	0.20	5.80	5.7	6.5
R21260	0.2	1.2	0.2	< 0.1	< 0.05	< 0.1	0.002	1.5	0.28	4.37	2.3	8.4
R21261	0.2	1.0	0.2	< 0.1	< 0.05	< 0.1	0.003	3.4	0.25	6.41	5.7	2.7
R21262	0.2	1.4	0.2	< 0.1	< 0.05	< 0.1	0.005	3.4	0.26	3.80	6.7	1.9
R21263	0.3	1.9	0.3	< 0.1	< 0.05	< 0.1	0.002	2.5	0.19	5.37	7.6	2.7
R21264	0.4	2.5	0.4	< 0.1	< 0.05	< 0.1	0.021	0.8	0.55	4.44	6.7	4.9
R21265	0.3	1.6	0.2	< 0.1	< 0.05	< 0.1	0.006	2.1	0.09	3.26	4.8	5.6
R21266	0.2	1.3	0.2	< 0.1	< 0.05	< 0.1	0.003	2.4	0.22	3.90	3.6	12.2
R21267	0.3	1.5	0.2	< 0.1	< 0.05	< 0.1	0.003	1.1	0.25	5.52	19.5	24.9
R21268	0.4	2.1	0.3	< 0.1	< 0.05	< 0.1	0.004	2.6	0.43	2.85	6.6	6.7
R21269	0.4	2.4	0.4	< 0.1	< 0.05	< 0.1	0.007	1.9	0.28	8.28	4.5	6.1
R21270	0.3	1.5	0.2	< 0.1	< 0.05	< 0.1	0.010	3.6	0.15	2.75	6.3	5.8
R21271	0.4	2.2	0.3	< 0.1	< 0.05	< 0.1	0.007	2.6	0.13	2.60	3.1	3.2
R21272	0.4	2.5	0.4	< 0.1	< 0.05	< 0.1	0.006	2.2	0.04	3.40	2.6	3.9
R21273	0.4	2.2	0.3	< 0.1	< 0.05	< 0.1	0.005	1.8	0.22	4.00	5.2	6.6
R21274	0.9	5.1	0.7	< 0.1	< 0.05	< 0.1	0.004	1.8	0.31	9.69	3.0	4.0
R21275	0.3	1.4	0.2	< 0.1	< 0.05	< 0.1	0.003	8.0	0.21	3.56	2.6	1.7
R21276	0.3	1.5	0.2	< 0.1	< 0.05	< 0.1	0.003	5.1	0.23	4.00	3.4	3.6
R21277	0.2	1.1	0.2	< 0.1	< 0.05	< 0.1	0.002	3.4	0.16	2.60	6.0	2.0
R21278	< 0.1	0.4	< 0.1	< 0.1	< 0.05	0.2	< 0.001	< 0.5	0.04	3.31	6.8	0.7
R21279	0.3	1.5	0.2	< 0.1	< 0.05	< 0.1	0.003	2.2	0.29	4.83	16.8	4.1
R21280	0.2	1.3	0.2	< 0.1	< 0.05	< 0.1	0.003	2.8	0.36	4.02	8.5	1.5
R21281	0.2	1.1	0.2	< 0.1	< 0.05	< 0.1	0.002	1.6	0.15	4.63	5.7	1.5

Quality Control																							
Analyte Symbol	LOI	Li	Be	B	Na	Mg	Al	K	Bi	Ca	Sc	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Rb
Unit Symbol	%	ppm	ppm	ppm	%	%	%	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit		0.1	0.1	1	0.001	0.01	0.01	0.01	0.02	0.01	0.1	1	0.5	1	0.01	0.1	0.1	0.01	0.1	0.02	0.1	0.1	0.1	0.1
Analysis Method	GRAV	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
GXR-1 Meas		4.6	0.7	11	0.034	0.12	0.28	0.03	1500	0.70	1.3	71	5.4	738	23.0	6.4	35.8	1010	711	3.40		364	16.2	2.0
GXR-1 Cert		8.20	1.22	15.0	0.0520	0.217	3.52	0.0500	1380	0.960	1.58	80.0	12.0	852	23.6	8.20	41.0	1110	760	13.8		427	18.6	14.0
DH-1a Meas																								
DH-1a Cert																								
GXR-4 Meas		7.9	1.2	3	0.117	1.40	2.51	1.58	19.4	0.78	6.1	75	52.1	133	3.10	12.8	40.0	6460	78.8	10.2		93.0	6.2	100
GXR-4 Cert		11.1	1.90	4.50	0.564	1.66	7.20	4.01	19.0	1.01	7.70	87.0	64.0	165	3.09	14.6	42.0	6520	73.0	20.0		98.0	5.60	160
LKSD-1 Meas	23.20																							
LKSD-1 Cert	23.5																							
GXR-6 Meas		23.6	0.8	5	0.088	0.35	6.19	0.95	0.16	0.18	19.5	141	65.7	853	5.03	10.7	21.4	61.4	121	13.5		183	0.4	61.5
GXR-6 Cert		32.0	1.40	9.80	0.104	0.609	17.7	1.87	0.290	0.180	27.6	186	96.0	1010	5.58	13.8	27.0	56.0	118	35.0		330	0.940	90.0
LKSD-3 Meas	11.40																							
LKSD-3 Cert	11.8																							
OREAS 13b (4-Acid) Meas																	2210	2350						
OREAS 13b (4-Acid) Cert																	2247	2327						
R21094 Orig		37.1	0.7	6	0.082	1.19	3.16	0.71	0.06	0.45	5.8	60	44.5	425	3.28	19.3	41.2	117	170	10.2	0.4	< 0.1	1.9	113
R21094 Dup		38.7	0.8	5	0.087	1.25	3.34	0.74	0.07	0.47	6.2	63	47.3	448	3.52	20.0	42.3	122	167	10.8	0.4	< 0.1	1.7	116
R21108 Orig		37.4	0.8	4	0.047	1.40	3.41	0.79	0.09	0.38	7.1	79	51.2	578	5.38	21.9	41.7	124	172	12.4	0.3	< 0.1	1.3	115
R21108 Dup		37.5	0.9	4	0.047	1.41	3.43	0.79	0.08	0.39	7.2	78	50.8	582	5.43	22.1	41.6	124	169	12.3	0.3	< 0.1	1.3	114
R21121 Orig		18.2	0.4	12	0.060	0.75	2.32	0.45	0.03	0.33	3.7	41	22.6	270	2.76	10.3	21.7	109	124	6.79	0.4	< 0.1	1.8	58.7
R21121 Dup		18.4	0.4	11	0.058	0.75	2.33	0.45	0.03	0.33	3.5	41	22.1	272	2.80	10.3	22.3	109	122	6.75	0.4	< 0.1	2.0	59.1
R21135 Orig		40.6	1.0	3	0.058	1.56	3.72	1.14	0.09	0.38	8.1	85	52.1	755	5.21	22.6	38.8	185	242	14.5	0.5	< 0.1	1.7	140
R21135 Dup		42.3	1.0	4	0.063	1.64	3.89	1.21	0.09	0.40	8.7	86	54.2	790	5.46	23.6	41.0	191	248	15.2	0.6	< 0.1	2.0	148
R21158 Orig		18.1	0.5	3	0.044	0.76	2.32	0.42	0.05	0.36	4.8	56	41.6	478	3.17	12.7	18.7	99.0	133	7.27	0.3	< 0.1	1.6	46.8
R21158 Dup		18.5	0.5	3	0.047	0.77	2.38	0.43	0.05	0.37	5.1	56	42.8	490	3.27	13.2	19.3	99.0	136	7.31	0.3	< 0.1	1.9	47.8
R21172 Orig		7.7	0.4	4	0.044	0.40	2.00	0.20	0.02	0.32	3.6	33	37.8	148	2.31	5.8	13.1	112	188	3.51	0.6	0.4	2.3	16.4
R21172 Dup		7.6	0.4	4	0.043	0.39	1.98	0.20	0.02	0.32	3.5	33	37.9	147	2.33	5.8	13.2	112	172	3.48	0.6	0.9	2.3	16.3
R21185 Orig		10.6	0.5	5	0.039	0.51	1.53	0.24	0.02	0.31	3.8	41	29.3	183	2.40	5.6	12.7	69.8	136	4.36	0.3	< 0.1	1.6	22.1
R21185 Dup		9.9	0.4	4	0.034	0.48	1.40	0.23	0.02	0.26	3.8	40	26.9	170	2.23	5.3	12.1	66.1	127	4.12	0.3	< 0.1	1.1	20.7
R21199 Orig		13.5	0.3	6	0.046	0.51	1.25	0.20	0.03	0.45	2.3	23	18.4	183	1.27	7.7	31.0	122	201	3.62	0.3	0.5	1.5	23.4
R21199 Dup		14.1	0.4	6	0.048	0.53	1.29	0.21	0.03	0.47	2.4	25	18.8	189	1.31	8.1	32.6	129	200	3.68	0.4	< 0.1	1.5	24.8
R21216 Orig		11.3	0.3	4	0.053	0.50	1.73	0.29	0.05	0.37	3.0	34	35.8	203	1.82	6.4	15.0	126	124	3.97	0.3	< 0.1	2.4	25.0
R21216 Dup		11.8	0.4	4	0.056	0.52	1.79	0.30	0.04	0.39	3.1	36	37.2	207	1.86	6.7	15.4	132	128	4.31	0.3	0.3	2.2	25.5
R21232 Orig		7.3	0.4	4	0.038	0.28	1.51	0.13	0.03	0.40	2.2	28	20.9	219	2.50	7.0	12.8	85.1	153	2.57	0.3	< 0.1	1.5	13.0
R21232 Dup		7.2	0.4	4	0.036	0.27	1.48	0.13	0.03	0.39	2.0	26	20.0	212	2.44	6.8	12.8	83.1	147	2.46	0.3	< 0.1	1.7	12.9
R21245 Orig		3.5	0.6	7	0.032	0.13	2.79	0.07	0.05	0.31	1.3	17	13.0	206	5.04	11.7	12.3	90.5	90.6	1.75	0.4	0.5	4.1	6.6
R21245 Dup		3.4	0.6	6	0.030	0.13	2.76	0.06	0.06	0.31	1.3	18	12.6	204	5.03	11.7	12.1	90.9	88.8	1.69	0.4	0.8	4.6	6.6
R21259 Orig		6.7	0.5	9	0.045	0.27	1.89	0.17	0.05	0.40	1.9	25	15.0	145	2.17	6.8	16.9	171	101	2.52	0.5	< 0.1	3.1	16.6
R21259 Dup		6.6	0.5	8	0.040	0.27	1.89	0.17	0.04	0.40	1.8	23	15.4	144	2.16	6.6	16.5	169	99.8	2.48	0.5	0.4	3.0	16.2
Method Blank Method Blank		< 0.1	< 0.1	< 1	< 0.001	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.1	< 1	< 0.5	< 1	< 0.01	< 0.1	< 0.1	< 0.01	< 0.1	< 0.02	< 0.1	< 0.1	< 0.1	< 0.1

Quality Control																								
Analyte Symbol	Sr	Y	Zr	Nb	Mo	Ag	Cd	In	Sn	Sb	Te	Cs	Ba	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er
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	0.5	0.01	0.1	0.1	0.01	0.002	0.01	0.02	0.05	0.02	0.02	0.02	0.5	0.5	0.01	0.1	0.02	0.1	0.1	0.1	0.1	0.001	0.1	0.1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
GXR-1 Meas	164	26.2	16.2	0.4	16.7	28.6	2.30	0.65	21.7	85.5	13.7	2.52	161	4.1	9.38		5.60	2.0	0.5	3.4	0.6	4.17		
GXR-1 Cert	275	32.0	38.0	0.800	18.0	31.0	3.30	0.770	54.0	122	13.0	3.00	750	7.50	17.0		18.0	2.70	0.690	4.20	0.830	4.30		
DH-1a Meas																								
DH-1a Cert																								
GXR-4 Meas	70.2	11.6	8.8	0.2	301	3.31	0.09	0.18	4.99	3.40	0.92	2.31	26.8	43.1	82.2		32.3	5.1	1.2	4.1	0.5	2.35		
GXR-4 Cert	221	14.0	186	10.0	310	4.00	0.860	0.270	5.60	4.80	0.970	2.80	1640	64.5	102		45.0	6.60	1.63	5.25	0.360	2.60		
LKSD-1 Meas																								
LKSD-1 Cert																								
GXR-6 Meas	41.6	6.20	15.8	0.1	1.43	0.279	0.09	0.05	0.89	1.82	< 0.02	2.98	1210	9.6	27.1		9.59	1.9	0.5	1.7	0.2	1.36		
GXR-6 Cert	35.0	14.0	110	7.50	2.40	1.30	1.00	0.260	1.70	3.60	0.0180	4.20	1300	13.9	36.0		13.0	2.67	0.760	2.97	0.415	2.80		
LKSD-3 Meas																								
LKSD-3 Cert																								
OREAS 13b (4-Acid) Meas					8.06	0.796																		
OREAS 13b (4-Acid) Cert					9.0	0.86																		
R21094 Orig	33.8	36.8	5.9	3.5	8.33	0.470	0.34	< 0.02	0.74	< 0.02	0.04	3.06	244	229	345	55.9	194	25.2	3.7	17.2	1.5	7.06	1.2	3.2
R21094 Dup	35.2	38.3	6.5	3.7	8.61	0.469	0.39	0.02	0.92	< 0.02	0.04	3.26	251	236	355	57.4	199	26.3	3.8	17.9	1.6	7.21	1.3	3.3
R21108 Orig	40.1	26.1	6.7	2.5	1.97	0.211	0.18	0.02	0.91	< 0.02	< 0.02	2.89	259	155	261	35.4	118	15.5	2.4	11.2	1.1	5.02	0.9	2.4
R21108 Dup	40.0	26.0	6.8	2.5	2.02	0.225	0.17	0.02	0.95	< 0.02	0.03	2.91	257	153	257	34.8	116	15.4	2.4	11.3	1.1	5.02	0.9	2.3
R21121 Orig	30.1	31.9	2.5	2.2	1.13	0.601	0.30	< 0.02	0.39	< 0.02	0.03	1.17	155	263	363	57.7	189	21.7	3.2	14.4	1.2	5.68	1.0	2.6
R21121 Dup	29.9	31.5	2.3	2.1	1.12	0.603	0.29	< 0.02	0.40	< 0.02	< 0.02	1.19	160	266	363	57.1	188	21.5	3.2	14.5	1.3	5.79	1.0	2.6
R21135 Orig	40.3	36.5	7.1	3.5	7.72	0.289	0.43	0.03	0.93	< 0.02	0.03	2.74	359	290	434	74.5	265	33.0	4.1	19.8	1.7	7.06	1.3	3.3
R21135 Dup	42.3	37.6	7.4	3.9	7.98	0.328	0.48	0.03	0.95	< 0.02	0.04	2.88	379	303	448	76.3	274	33.9	4.3	21.1	1.7	7.47	1.3	3.3
R21158 Orig	33.1	34.7	3.5	2.0	4.53	0.336	0.36	< 0.02	0.62	0.02	0.04	0.98	166	191	298	43.0	144	18.3	2.5	12.8	1.3	6.20	1.1	2.9
R21158 Dup	33.8	35.1	3.1	2.0	4.73	0.324	0.38	< 0.02	0.62	< 0.02	0.06	1.02	172	195	301	43.4	145	18.5	2.6	13.6	1.3	6.37	1.2	3.0
R21172 Orig	18.0	26.7	1.6	1.4	9.47	0.322	0.98	< 0.02	0.26	< 0.02	< 0.02	0.30	72.6	439	662	111	374	39.0	3.7	21.1	1.5	6.29	1.0	2.5
R21172 Dup	17.9	26.1	1.7	1.4	9.36	0.329	0.97	< 0.02	0.26	< 0.02	< 0.02	0.30	73.4	436	654	108	364	37.7	3.7	21.0	1.5	6.33	1.0	2.4
R21185 Orig	20.9	22.4	1.9	1.5	5.43	0.193	0.45	< 0.02	0.40	< 0.02	< 0.02	0.42	110	238	315	65.0	222	25.3	2.7	13.6	1.1	4.89	0.8	2.0
R21185 Dup	19.0	20.9	1.8	1.3	5.24	0.186	0.42	< 0.02	0.36	< 0.02	0.02	0.39	101	223	294	60.5	205	23.3	2.5	12.6	1.0	4.55	0.8	1.9
R21199 Orig	37.4	27.7	2.1	1.4	2.21	0.327	0.67	< 0.02	0.28	< 0.02	0.03	0.85	82.6	273	313	69.2	238	27.3	3.3	14.7	1.2	5.73	1.0	2.5
R21199 Dup	39.8	29.1	1.7	1.5	2.33	0.344	0.71	< 0.02	0.29	< 0.02	0.03	0.90	90.5	286	326	71.9	245	28.1	3.3	15.0	1.3	5.99	1.0	2.6
R21216 Orig	22.5	19.5	1.1	1.4	4.75	0.430	0.63	< 0.02	0.38	0.04	0.02	0.50	117	320	475	71.3	232	23.5	2.7	13.5	1.0	4.31	0.7	1.7
R21216 Dup	22.9	20.4	1.5	1.5	4.90	0.445	0.69	< 0.02	0.38	0.03	< 0.02	0.50	125	336	501	75.3	242	24.7	2.8	13.7	1.0	4.49	0.7	1.8
R21232 Orig	25.1	17.3	1.3	1.1	4.88	0.215	0.47	< 0.02	0.22	0.03	< 0.02	0.34	61.6	335	405	74.8	240	23.2	2.5	11.9	0.9	3.89	0.6	1.6
R21232 Dup	24.7	16.8	1.1	1.1	4.67	0.235	0.46	< 0.02	0.22	0.03	< 0.02	0.33	61.4	327	397	72.4	232	22.3	2.4	11.7	0.9	3.85	0.6	1.6
R21245 Orig	17.1	24.7	1.4	0.8	7.89	0.593	0.60	< 0.02	0.17	0.05	< 0.02	0.30	52.2	359	637	79.3	261	27.5	3.7	15.7	1.3	5.79	0.9	2.3
R21245 Dup	16.8	24.8	1.5	0.8	7.77	0.588	0.59	< 0.02	0.15	0.05	0.05	0.30	54.5	365	645	79.2	258	27.1	3.7	15.9	1.3	5.96	1.0	2.4
R21259 Orig	21.1	30.7	1.7	1.2	5.67	0.588	0.96	< 0.02	0.32	0.05	0.04	0.42	40.8	554	671	122	401	40.5	4.6	21.8	1.7	7.28	1.2	2.8
R21259 Dup	20.5	30.4	1.1	1.1	5.55	0.571	0.89	< 0.02	0.32	0.04	0.03	0.40	82.6	536	645	118	385	39.2	4.6	21.7	1.6	6.93	1.1	2.6
Method Blank Method Blank	< 0.5	< 0.01	< 0.1	< 0.1	< 0.01	< 0.002	< 0.01	< 0.02	< 0.05	< 0.02	< 0.02	< 0.02	< 0.5	< 0.5	< 0.01	< 0.1	< 0.02	< 0.1	< 0.1	< 0.1	< 0.1	< 0.001	< 0.1	< 0.1

Quality Control

Analyte Symbol	Tm	Yb	Lu	Hf	Ta	W	Re	Au	Tl	Pb	Th	U
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm
Detection Limit	0.1	0.1	0.1	0.1	0.05	0.1	0.001	0.5	0.02	0.01	0.1	0.1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
GXR-1 Meas	0.3	2.0	0.3	< 0.1	< 0.05	153		3310	0.31	767		34.9
GXR-1 Cert	0.430	1.90	0.280	0.960	0.175	164		3300	0.390	730		34.9
DH-1a Meas											> 200	2550
DH-1a Cert											910	2630
GXR-4 Meas	0.1	0.8	0.1	0.2	< 0.05	12.3		449	2.68	49.8	22.5	5.3
GXR-4 Cert	0.210	1.60	0.170	6.30	0.790	30.8		470	3.20	52.0	22.5	6.20
LKSD-1 Meas												
LKSD-1 Cert												
GXR-6 Meas	0.1	0.6	< 0.1	< 0.1	< 0.05	< 0.1		58.9	1.48	101	5.3	0.8
GXR-6 Cert	0.0320	2.40	0.330	4.30	0.485	1.90		85.0	2.20	101	5.30	1.54
LKSD-3 Meas												
LKSD-3 Cert												
OREAS 13b (4-Acid) Meas												
OREAS 13b (4-Acid) Cert												
R21094 Orig	0.4	2.5	0.4	< 0.1	< 0.05	< 0.1	0.003	2.2	0.72	15 5	34.4	5.6
R21094 Dup	0.4	2.6	0.4	< 0.1	< 0.05	< 0.1	0.003	6.3	0.72	16 2	36.9	5.7
R21108 Orig	0.3	2.0	0.3	< 0.1	< 0.05	< 0.1	0.002	1.0	0.60	17.5	39.7	4.3
R21108 Dup	0.3	2.0	0.3	< 0.1	< 0 05	< 0.1	0.003	1.6	0.60	17.3	39.6	4.3
R21121 Orig	0.4	2.1	0.3	< 0.1	< 0.05	< 0.1	0.002	0.8	0.43	6.87	11.7	2.9
R21121 Dup	0.4	2.1	0.3	< 0.1	< 0.05	< 0.1	0.003	2.2	0.44	6.81	11.8	2.9
R21135 Orig	0.4	2.6	0.4	< 0.1	< 0.05	0.2	0.003	3.0	0.75	15.7	47.7	16 2
R21135 Dup	0.4	2.7	0.4	< 0.1	< 0.05	0.2	0.004	0.9	0.81	16.2	51.5	17.1
R21158 Orig	0.4	2.3	0.3	< 0.1	< 0.05	0.1	0.003	1.7	0.36	8.46	14.8	3.7
R21158 Dup	0.4	2.4	0.3	< 0.1	< 0.05	< 0.1	0.002	1.7	0.36	8.57	16.3	3.8
R21172 Orig	0.3	1.8	0.3	< 0.1	< 0.05	< 0.1	0.004	2.3	0.15	4.87	6.9	2.0
R21172 Dup	0.3	1.8	0.3	< 0.1	< 0.05	< 0.1	0.004	2.3	0.15	4.73	7.2	2.1
R21185 Orig	0.3	1.7	0.3	< 0.1	< 0.05	< 0.1	0.003	2.6	0.10	4.02	4.8	2.0
R21185 Dup	0.2	1.6	0.3	< 0 1	< 0 05	< 0.1	0.003	< 0.5	0.09	3.78	5 1	1.9
R21199 Orig	0.3	1.9	0.3	< 0.1	< 0.05	< 0.1	0.010	2.5	0.21	7.67	4.5	15.0
R21199 Dup	0.3	2.0	0.3	< 0.1	< 0.05	< 0.1	0.006	2.3	0.22	7.96	4.6	15.6
R21216 Orig	0.2	1.2	0.2	< 0.1	< 0.05	< 0.1	0.002	0.9	0.24	4.76	5.2	3.2
R21216 Dup	0.2	1.3	0.2	< 0.1	< 0.05	< 0.1	0.002	2.4	0.26	5.11	5 3	3.4
R21232 Orig	0.2	1.1	0.2	< 0.1	< 0.05	< 0.1	0.003	2.1	0.17	6.37	5.2	3.8
R21232 Dup	0.2	1.1	0.2	< 0.1	< 0.05	< 0.1	0.003	< 0.5	0.17	6.22	4.8	3.8
R21245 Orig	0.3	1.8	0.3	< 0.1	< 0.05	< 0.1	0.003	3.0	0.24	5.05	3.9	2.9
R21245 Dup	0.3	1.7	0.3	< 0.1	< 0.05	< 0.1	0.004	1.5	0.24	5.05	3.8	2.9
R21258 Orig	0.3	2.0	0.3	< 0.1	< 0.05	< 0.1	0.005	3.0	0.20	5.90	6.7	6.6
R21258 Dup	0.3	1.9	0.3	< 0.1	< 0.05	< 0.1	0.006	2.7	0.20	5.71	4.8	6 4
Method Blank Method Blank	< 0.1	< 0.1	< 0 1	< 0.1	< 0.05	< 0.1	< 0.001	< 0.5	< 0.02	< 0.01	< 0.1	< 0.1

Quality Analysis ... **Actlabs** *Innovative Technologies*

Date Submitted: 21-Oct-10
Invoice No.: A10-7452
Invoice Date: 19-Nov-10
Your Reference: 30222-9 Azimut

Techni-Lab Abitibi Inc.(Actlabs)
184 Rue Principale
Ste-Germaine-Boule Quebec J0Z 1M0
Canada

ATTN: Andre Caouette

CERTIFICATE OF ANALYSIS

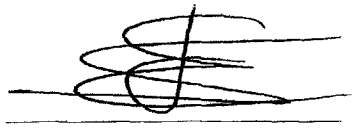
151 Pulp samples were submitted for analysis.

The following analytical packages were requested: Code 4F-LOI LOI
Code UT-1-0.5g Aqua Regia ICP/MS

REPORT **A10-7452**

Notes:
Assays are recommended for values >10,000 for Cu and Au.

CERTIFIED BY :



Emmanuel Eseme , Ph.D.
Quality Control

ISO/IEC 17025
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Activation Laboratories Ltd. Report: A10-7452 rev 2

Analyte Symbol	LOI	Li	Be	B	Na	Mg	Al	K	Bi	Ca	Sc	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Rb
Unit Symbol	%	ppm	ppm	ppm	%	%	%	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit		0.1	0.1	1	0.001	0.01	0.01	0.01	0.02	0.01	0.1	1	0 5	1	0.01	0.1	0.1	0.01	0 1	0.02	0.1	0.1	0 1	0.1
Analysis Method	GRAV	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
R21283	42 93	5.0	0.5	8	0 030	0.29	2 29	0 13	0.03	0.37	1.9	21	17.2	121	2.41	7 0	21 5	124	128	2 67	1.4	< 0.1	2.6	12 0
R21285	34 95	5.3	0 5	6	0.036	0.33	2.45	0.12	0 04	0 36	2.1	38	17.5	123	2.84	16.3	22 3	184	76 3	3 94	0.8	< 0 1	2 7	12.3
R21286	32.27	6.9	0 5	7	0.021	0.28	1.82	0.13	0 05	0 28	1 8	21	11.4	131	2.49	6.6	11 0	84 0	88 7	2.72	0.9	< 0 1	2 5	14.4
R21288	33 62	5 3	0.5	6	0 031	0.38	1.83	0.11	0 06	0.29	2.3	35	21.3	131	4 94	16 7	26 1	146	64 7	3.37	0.9	< 0 1	2 2	11.4
R21289	25.59	10 0	0 6	5	0.034	0 54	1.78	0.15	0 04	0 37	2 4	46	32.7	177	1 77	9 9	20 6	128	95.6	4.83	0.8	0.7	2 0	15.8
R21290	45.13	6.7	0 6	5	0 033	0.24	2.13	0 11	0.04	0 46	1.3	19	18 3	101	1.00	5.5	21 4	170	80 7	2 28	1.1	< 0 1	3 5	10.6
R21291	14 06	12 5	0.6	3	0.040	0.64	1 47	0.19	0 04	0.33	2.4	20	99 5	278	1.37	9.9	23.7	80.0	77.5	3 80	0.7	< 0.1	1 3	22 0
R21292	28.11	9 6	0.7	4	0 041	0.47	2.84	0.16	0.06	0 33	1 6	28	38 1	285	1 43	11.3	18.7	236	68.6	4 19	1.2	< 0 1	3 1	20 8
R21293	2.15	18.8	0 5	1	0.046	0.95	2.04	0.33	0 04	0 46	4 3	53	49 9	1070	2.82	20 3	23 3	92 1	96 4	8 50	0.3	< 0.1	< 0.1	40.8
R21294	27.20	9 2	0.8	4	0.048	0.41	2.52	0 15	0 04	0 35	1 8	36	33 1	236	3.28	10.3	15 2	143	94.5	4 40	0 9	< 0 1	3 0	19 4
R21295	27.71	8.0	0.6	7	0.034	0 31	1.67	0.11	0.04	0.35	1.3	25	20 7	120	1 34	5.1	17.5	120	95.5	2 86	0.8	< 0.1	2 4	13.5
R21296	15 86	10.7	0 4	2	0 039	0 62	1 41	0.19	0.05	0.34	2.1	34	100	187	1 59	8.0	24.4	85 5	86.0	3 89	0.7	< 0 1	1 3	19.7
R21297	35 12	11.7	0.6	5	0.038	0.45	1.79	0.16	0.05	0.45	1.4	28	29 8	152	1 20	6.4	20.7	130	56.6	4 09	0.9	< 0 1	2 6	20.3
R21298	26.11	20.7	1 2	5	0 051	0.87	2.79	0.26	0 05	0.34	3.0	44	35 2	281	1.92	13.1	37.4	184	184	6 48	1.2	< 0.1	2 9	36 3
R21299	22.49	35 4	0.8	4	0.051	1.10	2.93	0 54	0 07	0.37	5.3	63	44 2	354	4 29	13.3	55.5	256	218	9 33	0.8	< 0 1	3 0	77 6
R21300	25.32	27.1	0.5	4	0.052	0 86	2 50	0 46	0 04	0 30	3.3	40	21.2	255	2 46	11.0	31 5	139	115	6 41	0.7	< 0 1	1 6	62.9

Analyte Symbol	Sr	Y	Zr	Nb	Mo	Ag	Cd	In	Sn	Sb	Te	Cs	Ba	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er
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	0.5	0.01	0.1	0.1	0.01	0.002	0.01	0.02	0.05	0.02	0.02	0.02	0.5	0.5	0.01	0.1	0.02	0.1	0.1	0.1	0.1	0.001	0.1	0.1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
R21283	19.5	26.5	1.2	1.0	5.58	0.451	0.48	< 0.02	0.21	0.03	< 0.02	0.32	74.9	528	717	111	356	38.0	4.4	23.1	1.5	5.74	0.9	2.2
R21285	19.3	17.3	1.2	1.2	3.40	0.544	0.40	< 0.02	0.23	< 0.02	0.06	0.37	87.1	262	461	63.7	209	22.5	2.6	11.0	0.8	3.56	0.6	1.5
R21286	13.9	23.3	0.8	0.8	6.63	0.434	0.62	< 0.02	0.25	0.02	< 0.02	0.40	53.2	392	502	84.6	266	27.7	3.2	15.1	1.2	4.98	0.8	2.0
R21288	13.5	18.6	1.7	0.9	2.16	0.497	0.25	< 0.02	0.31	0.04	< 0.02	0.51	64.2	276	430	68.6	233	27.0	3.1	15.0	1.0	4.12	0.7	1.6
R21289	21.8	22.5	1.4	1.3	3.95	0.224	0.47	< 0.02	0.33	< 0.02	< 0.02	0.50	73.8	282	397	66.2	218	23.7	2.7	11.6	0.9	4.08	0.7	1.9
R21290	24.9	37.2	1.0	0.9	2.17	0.450	1.20	< 0.02	0.26	< 0.02	< 0.02	0.39	65.0	443	600	101	326	36.7	4.3	20.8	1.7	7.25	1.3	3.1
R21291	26.4	43.4	1.6	1.9	6.26	0.112	0.20	< 0.02	0.39	< 0.02	< 0.02	0.91	74.2	163	305	48.9	185	29.2	4.8	19.3	1.8	8.29	1.5	3.9
R21292	23.8	70.1	0.9	1.6	6.04	0.386	0.42	< 0.02	0.34	< 0.02	< 0.02	1.02	75.6	320	666	88.9	341	49.8	8.0	31.6	2.8	13.1	2.3	6.0
R21293	43.7	11.9	3.4	1.8	11.0	0.093	0.10	< 0.02	0.69	< 0.02	< 0.02	1.20	113	67.6	151	19.0	66.8	9.4	1.4	5.3	0.5	2.40	0.4	1.2
R21294	26.3	65.6	1.3	2.3	9.87	0.402	0.53	< 0.02	0.36	< 0.02	< 0.02	0.77	79.0	257	585	67.8	248	35.9	5.7	23.2	2.3	11.5	2.2	5.9
R21295	30.1	60.5	0.8	1.2	8.16	0.264	0.60	< 0.02	0.28	< 0.02	< 0.02	0.63	59.5	223	322	62.3	227	32.4	5.2	19.9	2.0	9.96	1.9	5.0
R21296	25.8	42.9	1.3	2.6	6.14	0.106	0.31	< 0.02	0.46	< 0.02	< 0.02	0.83	56.2	172	246	48.7	185	27.9	4.5	18.3	1.7	7.78	1.4	3.7
R21297	35.1	56.8	1.1	2.0	4.53	0.229	0.38	< 0.02	0.37	< 0.02	< 0.02	1.11	94.6	245	361	63.2	232	34.5	5.7	22.4	2.2	10.1	1.9	4.7
R21298	33.9	79.2	1.7	1.9	9.28	0.238	0.68	< 0.02	0.41	< 0.02	< 0.02	2.13	98.4	260	487	83.1	328	53.6	8.2	32.4	3.1	14.7	2.7	7.2
R21299	27.1	61.3	4.0	3.2	16.4	0.293	0.46	< 0.02	0.69	< 0.02	< 0.02	4.33	151	199	315	57.5	208	30.7	4.6	19.6	2.0	10.4	2.0	5.6
R21300	23.2	45.8	2.9	2.2	10.3	0.480	0.25	< 0.02	0.43	< 0.02	< 0.02	3.61	159	195	250	53.2	197	28.6	4.4	19.0	1.8	8.30	1.5	4.0

Analyte Symbol	Tm	Yb	Lu	Hf	Ta	W	Re	Au	Tl	Pb	Th	U
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm
Detection Limit	0 1	0.1	0.1	0.1	0.05	0.1	0 001	0.5	0.02	0 01	0.1	0 1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
R21283	0 3	1.7	0.3	< 0.1	< 0.05	< 0.1	0.002	2 0	0.27	3.33	3.2	5 0
R21285	0.2	1 2	0.2	< 0 1	< 0.05	0.7	0 002	2.1	0 49	4.44	2 9	4.2
R21286	0 3	1.5	0 2	< 0 1	< 0.05	< 0.1	< 0.001	0 9	0.18	4 16	2 3	2 7
R21288	0.2	1.3	0.2	< 0 1	< 0 05	0.2	0.001	6 0	0.19	5.72	5.0	2 5
R21289	0.2	1.5	0.2	< 0 1	< 0.05	< 0 1	0 001	0 9	0 25	5.17	3.2	5 3
R21290	0 4	2.3	0.4	< 0.1	< 0.05	< 0 1	0.001	< 0.5	0 17	5.00	1.7	6 5
R21291	0.5	3.2	0.5	< 0.1	< 0 05	< 0.1	0.001	0 6	0.19	8 64	6 4	10 0
R21292	0.8	5.1	0.7	< 0.1	< 0.05	< 0.1	< 0 001	0.7	0 29	8.02	3 9	13.6
R21293	0.2	1.1	0 2	< 0 1	< 0.05	0 1	< 0 001	< 0.5	0.36	9 61	14.8	10.2
R21294	0.8	4.9	0.7	< 0.1	< 0 05	1.1	< 0.001	< 0 5	0.32	6 35	4.6	7 3
R21295	0.7	4 0	0.6	< 0.1	< 0 05	< 0.1	< 0 001	< 0 5	0 21	5.35	2.0	18 1
R21296	0.5	3 1	0.5	< 0 1	< 0.05	< 0.1	< 0.001	< 0 5	0 23	6.39	4 8	20 0
R21297	0 6	3.8	0.5	< 0.1	< 0.05	< 0.1	< 0.001	< 0 5	0 19	8.51	2.2	18.3
R21298	1.0	6.4	1.0	< 0.1	< 0.05	< 0 1	0.001	< 0.5	0 40	14.0	4 3	35.3
R21299	0.8	4 7	0.7	< 0 1	< 0 05	0.2	< 0.001	< 0.5	0 45	20 0	13.6	56.6
R21300	0.5	3 2	0 5	< 0 1	< 0 05	0 1	< 0.001	< 0 5	0 46	10 4	11.1	41.2

Quality Control

Analyte Symbol	LOI	Li	Be	B	Na	Mg	Al	K	Bi	Ca	Sc	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Rb
Unit Symbol	%	ppm	ppm	ppm	%	%	%	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit		0.1	0.1	1	0.001	0.01	0.01	0.01	0.02	0.01	0.1	1	0.5	1	0.01	0.1	0.1	0.01	0.1	0.02	0.1	0.1	0.1	0.1
Analysis Method	GRAV	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
GXR-1 Meas		4.9	0.9	11	0.037	0.14	0.35	0.03	1370	0.78	1.3	71	6.6	847	23.5	7.4	39.8	1080	778	4.88		386	16.3	2.0
GXR-1 Cert		8.20	1.22	15.0	0.0520	0.217	3.52	0.0500	1380	0.960	1.58	80.0	12.0	852	23.6	8.20	41.0	1110	760	13.8		427	16.6	14.0
DH-1a Meas																								
DH-1a Cert																								
GXR-4 Meas		9.8	1.6	4	0.144	1.71	2.97	1.64	19.3	0.83	6.6	78	58.1	141	2.99	14.0	41.3	6250	72.3	11.4		98.3	5.3	98.0
GXR-4 Cert		11.1	1.90	4.50	0.564	1.66	7.20	4.01	19.0	1.01	7.70	87.0	84.0	155	3.09	14.5	42.0	6520	73.0	20.0		98.0	5.60	160
LKSD-1 Meas	23.00																							
LKSD-1 Cert	23.5																							
GXR-6 Meas		28.2	1.0	5	0.078	0.41	7.23	1.03	0.16	0.18	22.9	158	78.1	992	5.19	12.6	24.0	68.3	125	18.7		203	< 0.1	65.4
GXR-6 Cert		32.0	1.40	9.80	0.104	0.609	17.7	1.87	0.290	0.180	27.6	186	96.0	1010	5.58	13.8	27.0	66.0	118	35.0		330	0.940	90.0
LKSD-3 Meas	11.50																							
LKSD-3 Cert	11.8																							
OREAS 13b (4-Acid) Meas																	2290	2280						
OREAS 13b (4-Acid) Cert																	2247	2327						
R21297 Orig		12.1	0.6	6	0.042	0.47	1.76	0.15	0.04	0.46	1.5	30	31.0	150	1.18	6.3	21.2	137	55.9	4.50	0.9	< 0.1	2.6	20.9
R21297 Dup		11.3	0.6	4	0.035	0.44	1.83	0.16	0.05	0.44	1.3	26	28.5	153	1.22	6.4	20.3	124	57.2	3.67	0.8	< 0.1	2.6	19.6
D23511 Orig		17.3	0.5	4	0.038	0.78	1.56	0.22	0.08	0.64	4.4	42	53.0	710	2.94	13.5	38.1	77.3	137	5.26	0.2	< 0.1	1.5	21.6
D23511 Dup		20.2	0.6	5	0.042	0.81	1.57	0.23	0.08	0.71	4.9	45	57.5	746	3.06	14.0	41.0	89.3	160	6.24	0.3	< 0.1	1.7	24.4
D23524 Orig		5.9	0.3	6	0.037	0.31	1.01	0.10	0.07	0.55	1.6	31	33.2	193	2.96	11.5	52.0	107	124	2.46	0.2	< 0.1	1.6	7.7
D23524 Dup		7.0	0.4	7	0.041	0.31	0.99	0.10	0.08	0.61	1.9	33	35.4	198	3.09	12.3	57.3	118	135	2.21	0.2	< 0.1	1.9	8.6
D23538 Orig		5.0	0.3	3	0.042	0.44	0.83	0.11	0.04	0.59	1.9	32	60.3	347	2.81	9.4	32.2	112	84.5	3.01	0.1	< 0.1	1.1	7.9
D23538 Dup		5.2	0.2	3	0.042	0.42	0.77	0.11	0.04	0.60	1.8	31	58.3	330	2.68	9.3	32.9	109	81.6	2.70	0.1	< 0.1	0.9	7.6
D23561 Orig		12.3	0.4	4	0.033	0.47	1.18	0.13	0.06	0.46	3.3	51	63.6	313	4.38	38.9	100	80.9	132	3.44	0.3	< 0.1	1.4	12.4
D23561 Dup		11.7	0.4	4	0.034	0.47	1.17	0.13	0.06	0.45	3.1	52	63.6	313	4.37	38.5	101	82.6	139	3.59	0.3	< 0.1	1.4	12.5
D23575 Orig		9.6	0.3	4	0.031	0.51	1.16	0.17	0.05	0.51	4.8	49	51.7	171	2.28	15.6	63.5	103	82.6	3.47	0.2	< 0.1	1.5	13.9
D23575 Dup		8.5	0.3	4	0.034	0.53	1.17	0.16	0.06	0.49	4.5	50	52.2	165	2.18	14.7	59.7	98.7	85.6	3.70	0.2	0.2	1.4	12.8
D23590 Orig		14.4	0.3	3	0.038	0.84	1.26	0.38	0.07	0.53	4.4	56	46.3	295	2.49	9.7	24.3	31.6	48.0	5.38	0.1	3.2	0.1	25.5
D23590 Dup		16.6	0.3	4	0.042	0.85	1.27	0.41	0.06	0.58	4.9	57	47.1	307	2.60	10.4	26.9	33.0	56.2	5.43	0.2	2.3	0.1	28.3
D23607 Orig		11.9	0.3	4	0.051	0.66	1.08	0.21	0.06	0.56	3.9	40	60.0	281	2.15	10.1	38.7	46.1	68.2	3.89	0.1	2.3	0.5	18.5
D23607 Dup		11.6	0.3	3	0.043	0.61	1.03	0.20	0.06	0.53	3.6	36	55.8	269	2.11	9.9	37.7	42.2	66.3	3.58	0.1	3.8	0.6	17.8
D23624 Orig		4.2	0.3	3	0.032	0.28	0.89	0.06	0.03	0.57	2.9	30	33.9	353	4.49	32.6	87.4	78.0	153	1.54	0.1	< 0.1	1.2	5.8
D23624 Dup		3.6	0.2	3	0.032	0.28	0.90	0.06	0.03	0.55	2.8	32	32.8	346	4.35	31.4	84.0	73.0	147	1.50	0.1	0.4	1.2	5.2
D23638 Orig		3.3	0.3	5	0.025	0.20	0.43	0.05	0.04	0.64	1.5	41	27.3	224	1.83	7.9	34.3	72.0	54.6	1.44	< 0.1	2.5	1.2	5.3
D23638 Dup		4.0	0.3	7	0.028	0.21	0.63	0.05	0.04	0.63	1.6	41	29.7	224	1.77	7.6	40.2	70.3	54.3	1.85	< 0.1	3.1	0.9	5.1
Method Blank Method Blank		< 0.1	< 0.1	< 1	< 0.001	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.1	< 1	< 0.5	< 1	< 0.01	< 0.1	< 0.1	< 0.01	< 0.1	< 0.02	< 0.1	< 0.1	< 0.1	< 0.1

Quality Control

Analyte Symbol	Sr	Y	Zr	Nb	Mo	Ag	Cd	In	Sn	Sb	Te	Cs	Ba	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er
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	0 5	0 01	0.1	0 1	0.01	0 002	0.01	0.02	0 05	0 02	0.02	0.02	0.5	0 5	0.01	0 1	0.02	0.1	0 1	0.1	0.1	0.001	0 1	0.1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
GXR-1 Meas	161	26 5	15.4	0 3	17.4	29.3	2 41	0 73	23 5	92.0	13 9	2.54	129	3.8	9.18		5.74	2.1	0.5	3.2	0.6	4.18		
GXR-1 Cert	275	32.0	38.0	0.800	18.0	31.0	3 30	0.770	54 0	122	13.0	3.00	750	7.50	17 0		18.0	2.70	0.690	4.20	0.830	4.30		
DH-1a Meas																								
DH-1a Cert																								
GXR-4 Meas	67.3	11.9	10 7	0 2	311	3 44	0.10	0 19	5.42	3.54	0.84	2.33	9 7	37 5	74 3		31 7	5 2	1.2	4 0	0.4	2.39		
GXR-4 Cert	221	14 0	188	10 0	310	4.00	0 860	0 270	5.60	4.80	0 970	2.80	1640	64.5	102		45.0	8.80	1.63	5.25	0 360	2.60		
LKSD-1 Meas																								
LKSD-1 Cert																								
GXR-6 Meas	37.7	7.01	13.5	< 0 1	1.45	0.298	0.08	0.06	0.99	1.86	< 0.02	3.12	1040	10 4	30 1		10.8	2.2	0.5	1 7	0 2	1.42		
GXR-6 Cert	35.0	14.0	110	7 50	2 40	1.30	1 00	0.260	1 70	3 60	0.0180	4.20	1300	13.9	36.0		13.0	2.67	0 760	2.97	0.415	2 80		
LKSD-3 Meas																								
LKSD-3 Cert																								
OREAS 13b (4-Acid) Meas					8.62	0.859																		
OREAS 13b (4-Acid) Cert					9.0	0.86																		
R21297 Orig	37.2	59 3	1.2	2.1	4.55	0 236	0 39	< 0.02	0 39	< 0.02	< 0.02	1.10	95 7	254	375	64.9	241	35 3	5.7	21.6	2 2	10.2	1.9	5 0
R21297 Dup	33.1	54.3	1.0	1.8	4 52	0 221	0 36	< 0.02	0.35	< 0.02	< 0.02	1.11	93 5	237	347	61 6	223	33.7	5.7	23.2	2 2	9.97	1.8	4 4
D23511 Orig	38.5	16 5	8.1	2.7	1 85	0 112	0 56	< 0.02	0.44	0.04	< 0 02	1.30	93 6	42 4	72.0	10.3	38.5	6.5	1.2	5.1	0.6	2 86	0.5	1.5
D23511 Dup	44.7	18 6	8.8	2.9	1 95	0 123	0 67	< 0 02	0.47	0.04	< 0.02	1.34	141	47 2	81.1	11.7	42.0	6.9	1 2	5.0	0 6	2 99	0 6	1.6
D23524 Orig	53.7	10 3	2 7	0.8	4 84	0 148	0.35	< 0.02	0 17	0.09	< 0.02	0.62	60.9	28 8	47 1	6.9	25 7	4 1	0.7	3 1	0.3	1 71	0.3	0 8
D23524 Dup	58 6	11.2	3 2	0 9	5.04	0.165	0.40	< 0.02	0.18	0 10	< 0.02	0 65	9 1	31 3	51 5	7.5	26 9	4.3	0.7	3 1	0.3	1 87	0 4	0 9
D23538 Orig	22 0	10.2	1 7	1.1	9.08	0.143	0.20	< 0 02	0.30	0.03	< 0.02	0 38	95 4	26 6	44 8	6 5	23.6	3 8	0.7	2 8	0.3	1.68	0.3	0 9
D23538 Dup	21.3	9.59	1 6	1.0	8.79	0.143	0.20	< 0 02	0.28	0.03	< 0.02	0 38	99.0	25 2	42 6	6 1	22.0	3.5	0.6	2 6	0.3	1.64	0.3	0.9
D23561 Orig	27.8	20 6	6 9	1 6	4 20	0 138	0.38	< 0.02	0.55	< 0 02	< 0.02	1.68	8 6	65 2	126	17.0	64 7	10 6	1.7	8 1	0.8	4.13	0.7	1 9
D23561 Dup	28.6	21.2	6 5	1 6	4.05	0 134	0.37	< 0 02	0 56	< 0 02	< 0 02	1.68	12 3	65 0	128	17.4	66.9	11.0	1.7	8.0	0 8	4.08	0.7	1 9
D23575 Orig	23 1	16.3	4 4	2.1	4.08	0.189	0.32	< 0.02	0 16	< 0 02	< 0.02	0.68	22.4	43.2	80.9	11.3	42.1	7 2	1 2	5.7	0.7	3.46	0 6	1.5
D23575 Dup	21.9	16.0	4.1	2.0	3.95	0.161	0 29	< 0.02	0 17	< 0 02	< 0 02	0 65	29 4	42.7	81.2	11.5	44.2	7 7	1 3	5 7	0.6	3 35	0 6	1.5
D23590 Orig	15.7	9.55	13 3	1 6	1.99	0 060	0.07	< 0 02	0.50	< 0 02	< 0.02	1 00	140	24 0	47 6	5.9	21 8	3 8	0.7	2 9	0.3	1.88	0.4	1 0
D23590 Dup	17 5	10.1	14.1	1 6	2 12	0.064	0.07	0 02	0 49	< 0 02	0.04	1 04	126	24 5	48 6	6 0	21 2	3 6	0.6	2.7	0 3	1.98	0 4	1 0
D23607 Orig	17 8	9 76	4 6	1 9	3 18	0.046	0.16	< 0 02	0.36	< 0 02	< 0 02	1.16	44.1	23.8	45.2	6.0	21.8	3 6	0 6	2 6	0.3	1 83	0.4	0 9
D23607 Dup	16 5	8.85	4 3	1 8	2 98	0 049	0.14	< 0.02	0.33	< 0 02	< 0.02	1.14	55.5	21 8	40.9	5.3	19 2	3.3	0 6	2 6	0.3	1 79	0.3	0.9
D23624 Orig	34.7	13.8	7 8	1 1	2 24	0.083	0.36	< 0.02	0 16	0.03	< 0.02	0.31	< 0 5	39 8	62 1	9 7	36 0	5.7	0.9	4.2	0.5	2.50	0.5	1 2
D23624 Dup	32.7	13 3	7 3	1 1	2 10	0.081	0.34	< 0 02	0 12	0.03	< 0.02	0.30	< 0 5	40 1	63 0	9 9	36 8	6 0	0.9	4 4	0 5	2.48	0 5	1 2
D23638 Orig	32.0	10 3	7 6	1 2	2 70	0.073	0.22	< 0 02	0.16	0 02	< 0.02	0.38	67 2	26.2	47.4	6.2	22 6	3.8	0 7	3 1	0.3	1.84	0 4	0 9
D23638 Dup	30 8	10.1	7 7	1 2	2 77	0.083	0.64	< 0 02	0 19	0 04	< 0.02	0.37	64 1	26.0	47.9	6.1	23 0	3.8	0 6	3 0	0 3	1.79	0 3	0.9
Method Blank Method Blank	< 0 5	< 0.01	< 0 1	< 0 1	< 0 01	< 0.002	< 0.01	< 0 02	< 0 05	< 0 02	< 0.02	< 0 02	< 0 5	< 0 5	< 0 01	< 0.1	< 0 02	< 0.1	< 0 1	< 0 1	< 0.1	< 0.001	< 0.1	< 0.1

Quality Control

Analyte Symbol	Tm	Yb	Lu	Hf	Ta	W	Re	Au	Tl	Pb	Th	U
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm
Detection Limit	0.1	0.1	0 1	0.1	0.05	0.1	0.001	0 5	0.02	0 01	0.1	0 1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
GXR-1 Meas	0.3	2 0	0 3	0.1	< 0.05	150		3440	0 34	727	3 6	34.9
GXR-1 Cert	0.430	1.90	0 280	0 960	0.175	164		3300	0.390	730	2 44	34 9
DH-1a Meas											> 200	2610
DH-1a Cert											910	2630
GXR-4 Meas	0.1	0.8	0 1	0.2	< 0 05	12.9		499	2.81	52 1	16 6	5.4
GXR-4 Cert	0 210	1.60	0.170	6.30	0 790	30.8		470	3.20	52 0	22 5	6.20
LKSD-1 Meas												
LKSD-1 Cert												
GXR-6 Meas	0.1	0 7	< 0 1	< 0 1	< 0.05	0 2		56.3	1 77	102	4.1	0.9
GXR-6 Cert	0.0320	2 40	0.330	4.30	0.485	1.90		95 0	2.20	101	5 30	1 54
LKSD-3 Meas												
LKSD-3 Cert												
OREAS 13b (4-Acid) Meas												
OREAS 13b (4-Acid) Cert												
R21297 Orig	0.7	3 8	0 5	< 0.1	< 0.05	< 0.1	0 001	< 0 5	0.20	8.79	2.3	18.5
R21297 Dup	0.6	3 4	0 5	< 0.1	< 0.05	< 0 1	< 0 001	< 0.5	0 17	8 24	2.0	18 1
D23511 Orig	0 2	1 3	0.2	0 1	< 0.05	0.3	0 002	0.7	0.23	7.67	6.1	12.4
D23511 Dup	0 2	1 5	0 2	0.1	< 0.05	0 4	0 001	< 0.5	0 24	7 91	6 1	13.1
D23524 Orig	0 1	0.7	0.1	< 0 1	< 0.05	0 4	0 004	< 0 5	0.12	3.42	0.8	5.2
D23524 Dup	0.1	0.8	0.1	< 0 1	< 0.05	0 4	0.004	< 0.5	0 13	3.60	0.9	5.7
D23538 Orig	0 1	0.8	0.1	< 0 1	< 0 05	0 7	0 002	< 0.5	0.10	3 22	1.8	3 9
D23538 Dup	0.1	0 7	0.1	< 0 1	< 0.05	0.6	0 003	1 9	0.10	2 93	1 4	3.8
D23561 Orig	0 2	1 4	0 2	< 0 1	< 0 05	1.5	0.004	4 7	0.28	4.89	4.3	2 7
D23561 Dup	0.3	1 5	0 2	< 0 1	< 0 05	1.5	0.005	4.0	0 28	4.97	3.9	2.6
D23575 Orig	0 2	1.2	0 2	< 0 1	< 0.05	0.5	0.004	3 9	0.22	4 13	3 3	1.8
D23575 Dup	0.2	1.3	0 2	< 0.1	< 0.05	0.6	0.006	6.1	0.23	4 53	3.0	1.8
D23590 Orig	0 1	0 8	0.1	0 2	< 0.05	0 4	0.001	4.0	0 16	6 32	6 8	1.5
D23590 Dup	0.1	0 8	0.1	0.2	< 0.05	0 4	0.003	3 1	0 16	5 82	7.6	1.5
D23607 Orig	0 1	0.8	0.1	< 0.1	< 0 05	0 5	0.005	3 5	0.15	4.71	5 2	3.5
D23607 Dup	0 1	0.7	0 1	< 0 1	< 0.05	0.5	0 003	1 6	0 13	4 07	5 0	3.4
D23624 Orig	0 1	0.9	0 2	< 0.1	< 0.05	0 6	0.004	3.4	0.16	2.11	3 8	2 4
D23624 Dup	0 2	1.0	0 2	< 0 1	0.66	0.7	0.007	4 8	0.15	2 27	3.9	2 5
D23638 Orig	0.1	0.8	0 1	< 0.1	< 0.05	0.6	0 004	5 7	0 12	2 07	3 0	6.1
D23638 Dup	0 1	0 8	0.1	< 0 1	< 0.05	0.6	0.005	5 7	0 12	2 17	2.8	6 0
Method Blank Method Blank	< 0.1	< 0 1	< 0.1	< 0 1	< 0.05	< 0.1	< 0.001	< 0.5	< 0.02	< 0 01	< 0 1	< 0.1

Quality Analysis ... **Actlabs** *Innovative Technologies*

Date Submitted: 01-Nov-10
Invoice No.: A10-7808
Invoice Date: 30-Nov-10
Your Reference: 30261-1 AZIMUT

Techni-Lab Abitibi Inc.(Actlabs)
184 Rue Principale
Ste-Germaine-Boule Quebec J0Z 1M0
Canada

ATTN: Andre Caouette

CERTIFICATE OF ANALYSIS

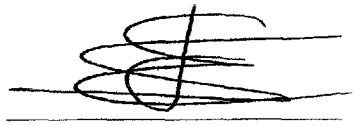
150 Pulp samples were submitted for analysis.

The following analytical packages were requested: Code 4F-LOI LOI
Code UT-1-0.5g Aqua Regia ICP/MS

REPORT **A10-7808**

Notes:
Assays are recommended for values >10,000 for Cu and Au.

CERTIFIED BY :



Emmanuel Eseme , Ph.D.
Quality Control

ISO/IEC 17025
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LAB 266
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Accrédité CCN

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Activation Laboratories Ltd. Report: A10-7808

Analyte Symbol	LOI	Li	Be	B	Na	Mg	Al	K	Bi	Ca	Sc	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Rb
Unit Symbol	%	ppm	ppm	ppm	%	%	%	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit		0 1	0 1	1	0.001	0.01	0.01	0.01	0.02	0.01	0.1	1	0.5	1	0.01	0.1	0 1	0.01	0 1	0.02	0 1	0.1	0.1	0.1
Analysis Method	GRAV	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
R21301	31 48	10.5	0.3	4	0 044	0 27	1 73	0.18	0.04	0.36	2.1	27	17.5	106	1.54	7.7	27.1	158	120	3.47	0.8	< 0.1	2.6	20.9
R21302	30.14	9 9	0 3	3	0.056	0.33	1.52	0 14	0.05	0.51	2.3	30	40.3	140	1 28	7.2	18 3	102	78.7	4.08	0.7	1.9	2 0	14 0
R21303	25.37	15 2	0 5	2	0.049	0 47	1.74	0.24	0 05	0 44	3 0	40	25.3	205	1.86	8.9	18 7	81 2	118	4.67	0.7	< 0.1	2 4	25 1
R21304	28.67	11.8	0.6	2	0.048	0.34	2.21	0.19	0 04	0 36	2 6	32	35 0	176	2.17	10.8	16 7	163	82.3	3 74	0.9	< 0 1	2 5	21.5
R21305	25 61	5.9	0.3	2	0.016	0 23	0 91	0.11	0 03	0 21	1 2	19	12 4	132	0.96	5 0	7.7	44.8	42.7	2 27	0.3	0 3	0.7	10.9
R21306	20.01	15.2	0 6	3	0 052	0 55	1 88	0 28	0.06	0.44	3.6	44	64 7	230	1 84	8.8	19.1	98 6	108	5.79	0.7	1.9	2 2	30 7
R21307	7.76	23.3	0.6	1	0 040	0.86	2.12	0.47	0.05	0.46	6.1	57	46 0	490	3.73	14.8	21.1	83 0	111	8.62	0 5	< 0.1	0 7	55 0
R21308	7 38	10 4	0.3	< 1	0 048	0.40	0.86	0.17	0.02	0 47	3.2	28	63.5	173	1.23	7 0	11.3	30.4	76 4	3.78	0.3	< 0 1	0.3	16.3
R21309	32 28	6 0	0 4	2	0.070	0 23	1 68	0 15	0.03	0.48	2 3	25	60 4	108	1.50	4.8	13.1	108	107	2 59	0.9	< 0 1	1.9	14 4
R21310	30.65	10.6	0.5	6	0 061	0.37	1.69	0.24	0 04	0.51	3 5	27	41 6	158	2.05	9.3	17 6	155	160	3 65	1.1	0.2	2 3	29.7
R21311	13.64	18.5	0 5	< 1	0.047	0.70	1.90	0.38	0 04	0 47	3.7	38	52 5	315	1 81	11.0	17.2	67 8	98.5	6.46	0 6	< 0.1	1 7	47.2
R21312	1.41	7.4	0 1	< 1	0.029	0 30	0.63	0.16	0.03	0.37	1.7	23	60 1	140	1.16	4.4	6.2	9.63	26 1	3.31	0.1	< 0 1	< 0 1	12.9
R21313	24 01	16.0	0 9	5	0 053	0 68	2.55	0 37	0 06	0 36	4.9	56	32.5	287	4 94	12 9	22.0	167	151	6.93	0.9	< 0 1	2.5	44 7
R21314	17.24	21.3	0 9	2	0 063	0.76	2.70	0.44	0 05	0.44	5.3	58	65 2	327	3.33	14.2	20 0	128	121	8.44	0.7	0.2	1 8	54 9
R21315	31.52	13.7	0 6	3	0.052	0.49	2.03	0.30	0 03	0 38	3.3	36	19 5	183	2 25	8.9	18.2	120	110	5 03	0.9	< 0 1	2.1	39 5
R21316	29.72	6.4	0.6	5	0.042	0 26	1.85	0.15	0.06	0.30	2.2	27	26 5	122	3 19	5.4	12.5	100	91.7	3.22	0.8	0.8	2 1	17.6
R21317	25.93	5.0	0 4	< 1	0.054	0 19	1.46	0.10	0 02	0.41	1.7	18	20.6	85	0 71	4.1	9.2	70.1	75.6	2 57	0 9	0.6	1 4	11.9
R21318	14.89	22.3	0.6	2	0 052	0 76	2.05	0.46	0 04	0.47	4.8	52	49 5	259	1.96	9.5	18 8	78.4	121	7 93	0 7	2.1	1 5	54.1
R21319	19 99	20.9	0 5	2	0 057	0 68	1.86	0 40	0 03	0 49	4.0	43	25 2	236	1 67	9.0	17.8	66 2	120	6 64	0 7	< 0.1	1.6	46 8
R21320	14.09	28.9	0.7	2	0 067	1 02	2 43	0 60	0 04	0 60	5 9	62	43 2	371	2.62	13.3	22 8	74.9	129	8.92	0 6	< 0.1	0.9	71.0
R21321	11.59	21.2	0 6	< 1	0 049	0.75	2.22	0 46	0 05	0 42	5 4	57	40 4	414	5.26	15.8	17.8	91 7	102	7.26	0.6	< 0 1	1 6	52 7
R21322	7.84	23.5	0.6	< 1	0 046	0.83	2.30	0 48	0.05	0 44	5 4	58	41 7	596	3.95	15.6	18.5	87.4	108	7.57	0.6	< 0 1	0.9	54 6
R21323	10.48	13.2	0 4	< 1	0 045	0 54	1.43	0 31	0.04	0 48	3 8	51	47 7	230	2.18	8.6	13.7	52.4	80 3	5 66	0.5	< 0.1	1.4	33.5
R21324	18.63	22.0	0 5	4	0 059	0 84	2.65	0 48	0.07	0.44	5.4	61	58 8	1620	4.62	29 2	19 0	114	104	8 46	0.7	< 0.1	1.5	53.6
R21325	17 14	24.9	0.6	1	0 045	0 87	2.76	0.52	0.06	0.43	4.8	57	34 8	319	2.44	12.5	23 2	126	116	7 73	0 8	< 0.1	1.9	61.3
R21326	19 16	58 3	0.9	4	0 094	1.85	4.30	1.24	0 08	0 42	7.7	92	41 6	605	4 63	21.9	38.2	121	193	16 2	0 7	< 0.1	1 1	154
R21327	26 99	21.8	0.7	4	0.080	0.67	2.58	0.42	0 05	0 44	3 9	50	40 7	265	2 30	10.1	23.4	127	118	6 77	0.8	< 0.1	2.3	45.5
R21328	14 91	29 3	0.8	1	0.059	1 05	3.74	0.67	0 07	0.31	6.9	66	38 6	1990	9.81	30.8	28 2	135	138	10 8	0 8	< 0.1	1.7	76 4
R21329	29 32	30 8	0 8	5	0.083	0 97	3 47	0.55	0 06	0.42	4.9	79	33 5	321	3.01	13.8	25 3	94.3	143	10 1	0 8	< 0.1	2.4	65.4
R21330	20.43	33.3	0 9	2	0.066	1 00	3.70	0.56	0.05	0.39	6 1	76	41.7	680	4 71	21.4	24 8	99 8	143	10 9	0 8	< 0.1	2.0	67.5
R21331	35.32	10.4	0.4	3	0.056	0.37	2.00	0 21	0.03	0.47	1.8	28	16 0	135	0 96	5.8	13.6	68 0	60.3	3 63	0 7	< 0.1	1.4	22.1
R21332	16.03	47 7	0.8	3	0 102	1.60	4.33	1.13	0 06	0.44	7.6	81	46.9	481	4.21	18.8	39 1	118	164	13 9	0 4	< 0.1	0 9	124
R21333	20 55	51.3	0.8	4	0 092	1 76	4.12	1.11	0 07	0 55	7.7	82	62.7	541	3.87	22.5	55 1	158	185	14 5	0 5	< 0.1	1.3	132
R21334	25 95	42.1	0 6	5	0.083	1.21	3.20	0.81	0 05	0 51	6.1	87	48 1	415	3.51	17.5	41 8	179	198	10.5	0.7	< 0.1	1.9	98.5
R21335	15.53	64.9	1 0	5	0.075	1.97	5 49	1 27	0.10	0 38	10.3	107	55 7	2180	8.67	41.9	58.9	209	212	19.0	0.7	< 0 1	0.8	168
R21336	14.30	53.3	1 0	6	0 069	1.70	5.03	1 11	0.09	0 35	9.0	99	54 5	1040	7.89	29 2	51 1	176	191	15.6	0.7	< 0 1	0.7	140
R21337	8 56	81.5	0.9	3	0.128	2.68	5 74	1.65	0.09	0.66	11.8	130	65 7	1130	7 86	35.2	65 4	202	229	22 2	0.5	< 0 1	1 3	213
R21338	20.27	42.5	0.9	3	0 072	1.20	3 81	0.80	0 07	0.37	7.0	78	47 6	452	4 73	19.2	41.2	192	186	11 5	0.7	< 0.1	1 7	103
R21339	20 93	51.7	0 9	4	0 090	1.50	3.93	0.93	0 08	0.55	7.6	73	57 9	465	3 52	18.1	44.1	143	208	13 1	0.7	< 0.1	1 6	109
R21340	20.24	46 2	1 1	5	0.079	1.51	4.32	0.85	0 08	0.40	7 8	88	49.1	426	4.00	17.5	41.9	156	166	14.5	0.7	< 0 1	1.8	114
R21341	14.74	56 3	1 4	6	0.066	1 60	4 95	0 94	0 10	0.41	10 5	103	54 3	573	5.26	23.9	47.6	172	201	15.5	0 8	< 0.1	2.1	136
R21342	21.80	27 1	0 8	5	0.051	0.80	2.58	0 47	0.05	0.29	4.7	51	31 6	261	2.54	12.5	27.1	95 1	107	7 47	0 5	< 0.1	1 5	67 6
R21343	1.08	7.1	< 0 1	< 1	0.027	0 28	0.57	0.14	0 02	0 31	1.4	17	60 5	124	0.98	3.8	5.6	8 56	21 5	2.89	0.1	< 0.1	< 0 1	11.2
R21344	15.65	27.2	0 6	2	0.044	0 85	2.91	0 47	0 08	0 30	5.0	60	46.7	391	4 03	13.1	26.9	115	123	7.84	0.6	< 0.1	1.4	60 3
R21345	10.46	39 6	0.8	3	0.059	1.23	3.51	0 75	0 07	0.49	7 2	76	51 3	574	3.67	17.7	37.8	142	149	11 3	0.5	< 0 1	1 4	93 6
R21346	16.97	22 9	0.6	2	0 059	0.80	2.48	0 38	0 07	0 38	4.5	58	69 1	300	2 83	11.3	24.5	74.9	111	7.71	0.5	1 0	1.4	47.2
R21347	13.59	35.8	0 8	3	0.049	1.09	3.63	0.62	0 09	0.35	6.5	67	53 6	779	4.71	18.3	32.8	131	129	10 1	0.6	< 0.1	0 9	79 5
R21348	24 37	33.0	0.9	3	0.052	0.85	2.95	0 52	0 07	0 47	5.4	65	59 9	313	2.77	14.1	38.0	175	261	8.83	0.7	< 0.1	2.7	70.2
R21349	25.69	24.9	0.6	4	0.048	0 63	2.24	0.37	0 07	0.34	3.5	40	32.8	221	2.10	11.3	26.4	89 9	118	6.35	0.6	< 0.1	1 8	52 5
R21350	20.22	43.5	1 1	5	0 061	1.24	3.81	0.68	0 09	0.43	8.9	73	48 6	410	3.45	17.6	38.7	115	163	11 7	0.7	< 0.1	1.6	96 9
R21351	8 86	45 2	1.0	5	0.049	1.44	4.20	0.82	0.10	0.45	8.3	87	59.6	1220	5 70	23.2	36.8	115	162	14 7	0.5	< 0.1	0.6	110
R21352	13.47	59.6	1 3	6	0 062	1.73	5.01	1.03	0.10	0.46	9.9	103	58 4	582	4 74	23 2	50.0	153	217	17 2	0.6	< 0.1	1.2	142

Analyte Symbol	LOI	Li	Be	B	Na	Mg	Al	K	Bi	Ca	Sc	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Rb
Unit Symbol	%	ppm	ppm	ppm	%	%	%	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit		0 1	0 1	1	0.001	0.01	0.01	0 01	0 02	0.01	0.1	1	0.5	1	0.01	0.1	0 1	0 01	0 1	0 02	0.1	0.1	0 1	0.1
Analysis Method	GRAV	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
R21353	16.92	50.0	1.0	7	0.079	1.48	4 09	0.66	0 10	0.49	7.8	73	47 2	447	3.76	18 7	42 1	99 5	154	14.3	0 5	< 0 1	0 8	127
R21354	29.07	40.9	1.1	9	0.116	1 08	3 37	0.64	0 10	0.55	5 3	74	62 4	332	2.61	13 9	43.4	179	198	10.2	0.4	< 0.1	1.4	83 0
R21355	25.50	42 6	1 3	5	0.068	1.31	4.47	0.66	0.10	0.47	6 7	88	50.7	412	4.50	18 9	41.0	147	169	12 1	0.9	< 0.1	2.5	95.3
R21356	19.77	33 5	0 6	3	0 069	0.99	2 73	0 56	0.07	0 47	5.0	53	48.9	323	2.36	15 2	33.1	111	150	8 64	0.5	< 0.1	1.3	69 8
R21357	16.21	49.4	0.8	3	0.073	1.30	3 79	0.78	0 08	0 42	7.1	71	57 6	414	3.52	17 8	40.6	117	158	12.2	0.6	< 0 1	1.4	110
R21358	15.12	41.2	0.9	3	0 068	1.28	3.99	0 72	0.09	0.33	7.9	83	47 6	411	4.22	18.3	36 8	170	167	12.4	0.8	< 0 1	2.0	102
R21359	25.46	24.3	0.3	2	0.060	0.63	1.84	0 38	0 05	0.35	3.3	41	40 0	200	1.65	8.1	23 4	98 4	101	5.80	0.6	< 0 1	1 6	53.5
R21360	20 13	30.9	0.5	2	0.051	0 93	2.96	0 56	0 07	0.26	5.2	59	34 6	283	3 28	10.9	28 2	124	137	8.99	0 7	< 0 1	1 7	75 8
R21361	29 09	13 3	0 4	3	0 051	0 41	2.38	0.22	0.06	0.29	2.6	42	28 9	258	3.85	8.0	19.1	140	113	4 82	1.0	2 4	2 7	27 3
R21362	27.62	45.6	0.9	4	0 089	1.26	3.76	0 79	0 06	0 54	6.5	70	46.1	358	3.08	17 9	53 2	229	227	11.8	0 9	< 0.1	2.0	96 7
R21363	15.68	66.0	1.0	3	0 110	1 97	5.22	1 33	0 06	0 48	9.2	91	46 8	633	5.03	26.1	46.7	150	205	16.8	0 5	< 0.1	0 8	158
R21364	26.68	17.5	0.4	9	0 061	0 60	2 30	0 37	0 03	0 43	3 7	39	33 6	198	2.06	7.9	22 0	81 4	109	5.72	0.6	< 0.1	1 6	39 4
R21365	1.34	7 4	< 0.1	< 1	0.037	0.25	0.66	0.14	0 04	0.33	1 2	20	51 4	122	1 03	3.7	5.7	9 40	23 9	3 53	< 0.1	0.9	< 0 1	10 9
R21366	25.34	17.2	0.3	< 1	0 068	0.45	1 54	0.30	0.03	0.36	2.7	25	14 1	144	1 11	5.8	16.0	63 6	81.7	4 71	0 5	0 3	1.0	36.7
R21367	16.72	37 8	0 8	2	0 059	1 06	3.23	0.67	0 06	0.38	6.4	67	31 7	361	3.34	14 9	28 3	108	159	10 6	0.7	< 0 1	1.1	84 0
R21368	16.91	49 2	1.0	2	0 081	1.48	4 25	0 94	0 06	0.44	7.7	80	38 3	474	4.02	20 4	36 3	120	211	13.5	0.6	< 0.1	1 6	117
R21369	24.03	17 2	0.4	5	0 064	0.67	2.16	0.39	0 08	0.39	3.8	50	27 5	234	3.30	8 9	18.1	50 9	88 1	6 72	0.4	< 0.1	1 5	44 0
R21370	11 75	34 3	0.8	1	0 057	1.13	3 25	0.68	0.05	0.42	6.7	71	35 4	414	3.63	15 5	25.4	93 0	147	10.5	0.6	< 0.1	1.0	76.9
R21371	13 43	35.1	0.8	1	0.056	1.09	3 10	0 71	0.07	0.37	6 0	62	48 1	413	3.23	15 6	27 6	106	153	10.2	0 6	< 0.1	1 2	84 8
R21372	19 68	51.4	0 9	4	0.141	1.47	3 78	1.10	0.06	0 63	7.3	76	42.4	536	4.81	25.9	41 9	152	208	13 7	0.6	< 0.1	1 4	118
R21373	12 99	13.9	0 4	< 1	0.034	0.48	1.60	0 28	0 05	0.29	3.0	38	28 4	196	1.55	6.8	11 8	49.8	65 4	4.97	0.4	0 5	0.7	30.1
R21374	17.76	27.5	0.6	3	0.056	0.94	2.91	0 57	0 05	0 29	5 5	61	21 9	695	7 16	21.0	20 2	78 9	120	8.55	0 7	0 2	1.5	71.7
R21375	14.49	43 3	0.8	2	0.082	1.50	3.91	0 92	0 07	0.41	7.4	77	31 9	501	5.10	19.4	32 9	97.2	151	13.6	0 4	< 0.1	0 7	113
R21376	12.98	46 7	0.7	2	0.072	1.49	3.78	0 99	0.06	0.37	7.1	77	38 1	496	3.92	17 6	35 4	132	150	13.2	0 4	< 0 1	0 8	121
R21377	5.19	37.8	0.6	< 1	0 061	1.36	2.81	0.90	0 05	0.58	7.2	78	35 0	617	3.96	19 4	31 9	93.4	127	11.2	0.3	< 0.1	0 4	96 3
R21378	15 96	26 1	0.4	< 1	0.035	0 80	2 20	0.50	0 05	0.38	4.1	52	33 7	254	2.25	10 9	28.3	88 8	191	7 65	0.4	< 0.1	1 2	55.2
R21379	17.16	20 7	0 3	3	0 063	0.70	2.04	0.44	0.05	0.44	4.2	46	41 7	236	2.30	11 3	21.7	76.1	101	6.97	0.5	< 0 1	0 6	49 5
R21380	21 66	49 3	0.8	4	0.082	1 39	4.22	0 94	0.06	0 46	7 0	73	34 1	411	3 68	17.7	41.4	145	177	13.1	0 6	< 0.1	1.2	120
R21381	19 86	24 2	0.4	< 1	0.035	0 56	1 81	0 31	0.06	0.21	2 9	40	19.1	175	2 16	5 6	16 5	85.8	88 0	5 61	0.5	0 4	1.1	52 0
R21382	25.73	30 0	0.4	2	0.058	0 82	2 31	0 45	0.06	0 38	3.6	45	23 7	236	2.03	9.9	28 1	117	114	7.89	0.5	< 0.1	1 8	62 7
R21383	15 19	30.6	0.8	2	0.047	0 93	3.05	0 50	0.08	0 27	6 4	60	28 8	648	6 19	19 5	27.2	110	118	9.22	0 5	< 0 1	1 4	69 4
R21384	24 87	42 9	0.8	4	0 063	1.13	3.15	0.62	0.08	0.54	6 3	63	51 6	343	2 88	13.9	38 6	174	225	10.8	0 5	< 0 1	1 7	78 0
R21385	29.79	39 0	0 9	6	0 064	1.05	3.11	0 58	0 08	0 57	6 1	60	33 4	359	2.75	13.6	37.8	166	191	10 2	0 6	0 7	1 8	75 8
R21386	21 57	37 9	1 0	7	0 055	1.12	3.48	0 62	0.08	0 42	6.4	65	37 9	340	3.08	14.8	34 1	102	153	10.9	0 5	< 0 1	1 1	85 2
R21387	26 57	33.2	0 9	5	0 052	0 93	3 22	0 50	0 08	0 47	5 1	60	32 1	284	2.57	16.5	30 2	105	140	8.94	0 9	< 0.1	2 5	74 6
R21388	22.00	32 8	0.8	4	0 061	1 00	2 97	0 58	0 06	0.44	6 3	65	32 1	303	3 77	17.0	32.6	107	154	9.85	0.7	0 3	1.8	78.7
R21389	22 30	33.4	0.8	3	0.042	0.91	3.00	0 53	0 07	0.35	5.4	63	28 8	271	2.80	11.9	29 1	106	137	9 14	0 6	0.4	1 2	72.9
R21390	26.76	20 2	0 6	4	0.045	0.54	2 49	0.31	0.06	0 32	3 6	42	22 0	192	2.33	8.9	20.6	102	99 6	5 96	0 7	< 0.1	1.6	44 4
R21391	14.65	51.0	0.7	4	0.072	1.40	3.70	0 85	0 08	0.51	7 4	66	39 9	405	3 26	15.7	41.9	114	154	12 5	0.6	< 0.1	0.8	121
R21392	21.58	45 2	0 7	3	0.061	1.18	3 77	0.69	0 06	0.41	6.9	72	37.9	342	3.57	17 8	49.8	194	144	10.8	0 6	< 0 1	1 3	105
R21393	17 98	29.0	0 7	3	0 050	0.88	3.39	0.50	0.10	0 26	6 4	63	33 0	702	6 34	18.8	30 8	126	131	9 33	0.7	< 0 1	2 1	68 8
R21394	23 76	46 6	0 9	7	0.072	1 32	4 40	0 74	0.10	0.49	7 0	82	43 9	412	4.24	20 3	46.0	139	178	13.8	0.7	< 0 1	1.8	107
R21395	17 43	39 5	0 8	5	0.065	1.14	3 46	0.64	0.12	0.47	6.1	81	44 9	408	3.50	16.7	35.7	96 8	142	10.8	0.5	< 0 1	1.3	90.9
R21396	14.15	40 5	0 7	3	0.054	1.16	3.72	0.61	0.09	0 40	6.4	73	44 4	468	3 79	18.1	37 4	99 0	140	11.4	0.5	< 0 1	0.9	84.1
R21397	24.11	26 9	0.4	2	0.053	0.69	2 20	0 39	0 05	0.34	3 9	36	24.1	196	1 55	8.1	28 1	70 8	118	6.52	0.5	< 0.1	1 1	52.8
R21398	5.58	27.1	0.5	2	0 055	1 00	2.60	0.57	0 06	0.52	5.8	60	47 3	2020	3.47	21 6	26 0	71.6	111	9.37	0.3	< 0 1	0.3	62.1
R21399	27.40	19 5	0 4	4	0.056	0.64	2 19	0 34	0.09	0.36	3.8	48	27 1	215	3.11	9.7	22.7	70.3	112	7.03	0 5	1 0	1.3	41.5
R21400	14.41	60.0	1 0	5	0.080	1 82	5 17	1 05	0 12	0 48	9 6	96	50.6	521	4.81	22 6	49.0	134	192	16 6	0 6	< 0 1	0 9	143
R21401	12 39	44 6	0 9	3	0.057	1.30	3 91	0.78	0 09	0.45	7.9	83	45 3	429	3 73	16.9	39.4	134	165	12 8	0.4	< 0 1	0 7	98.0
R21402	9.81	29.0	0 5	2	0 053	1.00	2.91	0.59	0.07	0 41	5 9	60	58 9	314	2 86	12 4	29.6	94.3	140	9 90	0.3	< 0 1	0 8	66.3
R21403	17.11	37.6	0 7	3	0.051	1.15	3 80	0.65	0.10	0.35	7.1	79	35.8	434	3.76	16 0	39 4	151	155	10.5	0.5	< 0 1	1 8	88.0
R21404	1.62	9.0	< 0.1	< 1	0.036	0.37	0.75	0 18	0 04	0 39	1 8	26	52.7	159	1 30	4.8	6 3	10.9	31 1	4 18	0 1	1 3	< 0 1	14.4

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Analyte Symbol	LOI	Li	Be	B	Na	Mg	Al	K	Bi	Ca	Sc	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Rb
Unit Symbol	%	ppm	ppm	ppm	%	%	%	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit		0.1	0 1	1	0 001	0.01	0.01	0.01	0.02	0.01	0 1	1	0.5	1	0 01	0.1	0.1	0 01	0 1	0.02	0.1	0 1	0.1	0 1
Analysis Method	GRAV	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
R21405	14.89	42 3	0.9	3	0 057	1.18	3.99	0.67	0.09	0.33	7 4	80	38.5	983	5.74	26.1	36.4	126	149	12.0	0 5	< 0.1	1 7	94.7
R21406	10.67	43 9	0.8	3	0.043	1.33	4.30	0.80	0.10	0 38	8.3	100	48 7	1020	7.21	26.7	42.0	181	170	12 7	0.6	< 0.1	0.4	101
R21407	19.37	30 6	0.5	1	0 048	0.90	3.14	0.51	0 07	0 28	4.3	59	28 8	272	2.94	12.6	26 8	98.2	110	8 60	0.5	< 0.1	1 4	65 3
R21408	13 62	26.0	0.5	1	0 038	0.61	2.65	0.44	0 08	0.32	5.1	63	35 7	324	3.79	14.1	24.0	118	113	8.12	0.8	< 0.1	1 5	55.2
R21409	5 39	31.1	0 4	8	0 046	0.95	2 48	0 57	0 06	0.46	5.5	61	41.6	761	3 37	15.3	24.8	64.5	99.4	8 75	0.3	< 0.1	< 0 1	59 1
R21410	17.02	40.9	0.6	2	0.060	1.30	3 33	0 78	0.06	0.47	6.4	70	44.6	413	4 04	16.8	37.0	103	144	11.2	0 6	< 0.1	1 1	98.6
R21411	20 60	47.4	0.8	4	0 087	1.48	4.37	1 00	0 07	0 42	7.4	84	35 0	427	4.31	16.8	39 9	156	167	13 8	0.6	< 0.1	1.3	124
R21412	12.73	52 9	0 7	1	0 096	1 69	4.24	1.11	0.06	0.42	8.1	77	36.6	566	4.44	20.7	37 8	116	161	13 8	0.5	< 0.1	0.4	138
R21413	16 90	52.8	0 9	3	0.091	1 64	4.17	1 04	0.07	0 55	8.0	86	36 4	536	4 28	19.5	36.8	121	183	13.7	0.5	< 0.1	0 8	127
R21414	19 88	31.4	0.8	3	0.061	1.06	3 12	0 57	0.05	0.37	5.6	71	40 3	316	5.13	13.0	25.6	101	135	9.98	0 5	< 0.1	1.1	70 2
R21415	19 81	26.0	0 5	1	0.078	0.89	2.26	0 52	0 07	0 47	4 7	43	25 6	284	2.10	9.9	21.9	61.0	137	7.89	0.4	< 0 1	0.4	58 0
R21416	12 63	22.1	0 5	< 1	0.051	0.72	2.36	0.43	0 05	0 39	4 4	51	35 0	265	2.27	9.2	16 7	85 4	90 8	6 87	0.5	< 0.1	1 0	48 1
R21417	20.14	41.7	0 8	3	0.073	1 27	3.38	0.79	0.06	0.41	6 3	67	27 2	404	3.44	16.5	33 0	125	148	10 3	0.7	< 0 1	1 0	107
R21418	16.74	35.3	0 6	< 1	0.047	1 06	3 24	0.67	0 06	0 27	6.5	67	31 6	1000	6.63	26.7	39 5	169	138	9 59	0.8	< 0.1	1.8	91.8
R21419	23.41	39.1	0.8	2	0.061	1.14	3.60	0.73	0 06	0.38	6.1	71	30 9	437	3.28	18.2	36 8	161	185	10 5	0.8	< 0 1	1 2	87.5
R21420	25 80	30 4	0 6	2	0 066	1.00	3.18	0.58	0 06	0.36	5.6	67	24 1	408	9 39	18.3	23 6	93.4	134	9.56	0 7	< 0.1	1.8	72 1
R21421	12.53	39 8	0 7	2	0.072	1.27	3.58	0.84	0 06	0 42	6.7	68	30.4	545	3.74	16.8	27.8	106	162	11.0	0.5	< 0 1	0.4	95 4
R21422	28 10	20.1	0 6	3	0.048	0.66	2.04	0.36	0 04	0.39	2.9	37	23 1	209	1 48	9 4	20.4	68 4	103	6.06	0 6	< 0 1	2.1	41 3
R21423	27.96	13.1	0 9	2	0.057	0 48	1 48	0 16	0 03	0.40	2 3	23	20 4	135	0.88	5.3	15.0	83.1	88 9	4.17	0.5	< 0.1	2.0	18.1
R21424	18.12	48 0	0 8	4	0.059	1 39	4 07	0 89	0 07	0.37	6 9	69	37 7	393	3.04	15 0	36 1	119	180	13 0	0 6	< 0 1	1.4	104
R21425	15.99	34 9	0 8	4	0.058	1.04	3.21	0 65	0 08	0 38	5 8	67	36 3	359	3.02	12.7	27 7	94 1	145	9 70	0.5	< 0 1	1 6	75.0
R21426	22 13	25.8	0 7	4	0.057	0.80	3 08	0 47	0.07	0.33	4.4	54	27 0	405	3.60	15.1	21 3	95 1	115	7 92	0.6	< 0 1	2 2	55.6
R21427	27 32	14.3	0.4	3	0.048	0.34	1 15	0.20	0 05	0 33	2 6	20	23 9	117	0.83	5.1	19.6	74 0	64 3	3 16	0.5	< 0.1	1 7	25 0
R21428	6 00	23.6	0.7	1	0.040	0.65	2.05	0.42	0 04	0.38	4.4	42	45.3	894	2 59	24.0	23.7	63 7	98 5	6 55	0 4	< 0.1	0 7	43.7
R21429	10.98	79.2	1.6	4	0.049	2.36	7.37	1 69	0.08	0.33	11.6	117	51.5	898	6 93	39.9	64.2	226	286	20.4	0.6	< 0.1	1 2	201
R21430	16.72	49.0	1 0	6	0.094	1.74	4 14	0 99	0.06	0.50	7.8	77	38.0	488	4 36	20.7	39.7	116	155	13 8	0 5	< 0.1	1 3	129
R21431	8.05	14.9	0 5	2	0 047	0.64	1 65	0 27	0.06	0.38	4 7	49	34 6	424	3 48	9.5	13.5	42.1	65.6	6.08	0 3	< 0.1	0 9	30.6
R21432	22.19	26.7	0.7	6	0.068	0 91	2 66	0 53	0.05	0 41	4.6	52	25 1	295	2 35	11.3	22.6	84.8	118	8 73	0.5	< 0.1	1 7	61 9
R21433	14.75	10.8	0.4	1	0 054	0 39	1 55	0 21	0.05	0.24	2 2	34	17.5	207	1 35	5.2	10.6	43.2	62.4	4 11	0 3	< 0.1	1.4	23.1
R21434	25.11	16.2	0 7	2	0.040	0.50	2 81	0 29	0.06	0 25	3 0	42	24 7	218	2.92	7.8	14.4	115	83.4	5.21	0 8	< 0.1	3.1	35.3
R21435	41.01	6.9	0 4	5	0.050	0.22	2.11	0 13	0.06	0.31	1.3	28	13 7	108	1.22	4.4	14.0	50.6	49.3	3 28	0.6	< 0.1	2.6	14 6
R21436	30.33	23.7	0.5	6	0.059	0.73	2 33	0.46	0 03	0.41	3.6	41	18.4	244	1.85	9.9	19.9	75.7	97.0	6 68	0.5	< 0 1	1 4	61 0
R21437	18 56	41.3	0.8	5	0.074	1.31	3 43	0.75	0 06	0.43	6.7	62	27.7	382	2.96	14.4	28.8	103	147	10 9	0.6	< 0.1	1.4	105
R21438	8.48	35.7	0 9	3	0.051	1.34	3.03	0.73	0.06	0 52	7.6	76	37 2	865	4.51	18.6	25.3	102	133	10 5	0.6	< 0.1	1 0	85.7
R21439	11 59	64.2	1.3	4	0 054	2.24	5 80	1.35	0 08	0 42	10.7	104	51 8	949	5.87	31.7	48 4	241	212	18.0	0.6	< 0 1	1.1	185
R21440	26 94	37.7	0 8	3	0.054	1.08	3.07	0.67	0 06	0 38	6.3	56	31.5	317	2 57	13.1	30.7	176	168	9.61	0.7	< 0 1	2 1	94.8
R21441	14.95	39 0	0.9	3	0.047	1.24	3.29	0 74	0.07	0.29	6.7	70	29.4	560	4.15	16.3	25.8	114	155	10 2	0.5	< 0.1	0 9	111
R21442	28.63	15 8	0.4	5	0 042	0.51	1.82	0 30	0.06	0.36	3.3	34	16.0	169	1.65	7.2	17.3	96.8	87.3	4 95	0.7	< 0 1	1 9	42 0
R21443	27.22	35.0	0 9	5	0 049	1.00	3.12	0.60	0.06	0.42	5 7	62	28.6	300	2.63	12.3	28.8	207	161	8.92	0.9	< 0.1	2 5	88 7
R21444	16.54	30.6	0.8	3	0 068	1 11	3.02	0.60	0 07	0.34	6.3	63	30 0	347	4 70	14 8	24.4	109	127	9.40	0.8	< 0 1	2.2	85 9
R21445	24.81	18 1	0 5	2	0 044	0.56	2 29	0 34	0 04	0.33	3.3	41	20 4	186	1 96	7 5	15 4	56 9	116	5 33	0.6	< 0.1	2.0	41 0
R21446	30.54	8 4	0.6	3	0 036	0.28	2.42	0 15	0 05	0.26	1.9	37	32.6	112	1 90	3.6	9.7	91.0	57 3	3 51	0.9	< 0.1	3.4	16 9
R21447	12.24	12 7	0 4	1	0 051	0.47	1.82	0 27	0 05	0 33	3.1	28	38 3	179	1.15	5.2	11.6	30 2	62.6	4.65	0.3	< 0 1	1 2	28 9
R21448	13 70	63 3	1 1	3	0.099	1 99	5.66	1 35	0.07	0.48	10.0	98	39.8	647	5.42	24.3	42.2	164	217	15.4	0.7	< 0 1	1 6	160
R21449	11.06	61.2	1.1	3	0.113	2.03	5.56	1 36	0.07	0.48	9.5	100	40.7	1320	6.82	30.5	41.3	167	198	16 8	0.5	< 0 1	1 8	166
R21450	16.43	49.8	1 1	4	0 096	1 75	4.64	1 08	0 06	0 46	9 0	96	38 4	556	5 46	20.7	36.6	164	198	14 4	0.8	< 0 1	1 5	127

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Analyte Symbol	Sr	Y	Zr	Nb	Mo	Ag	Cd	In	Sn	Sb	Te	Cs	Ba	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er
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	0 5	0.01	0 1	0 1	0 01	0 002	0.01	0.02	0 05	0.02	0 02	0 02	0 5	0.5	0.01	0.1	0 02	0.1	0 1	0 1	0 1	0 001	0 1	0 1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
R21301	26.2	50 3	2.3	1 6	12.1	0.382	0.34	< 0 02	0 26	0.04	< 0.02	1 45	66 8	207	339	59.3	211	29.3	4 5	19.7	1.9	9.41	1.7	4 3
R21302	30.8	40 9	2.5	2 9	4.03	0.228	0.30	< 0 02	0.43	< 0 02	< 0.02	0 81	63 2	182	322	50.4	185	25.5	4.0	16.9	1.6	7 67	1.4	3.6
R21303	38.6	48 6	2 2	2 1	3 63	0.239	0.60	< 0 02	0.41	< 0.02	< 0.02	0.96	47 5	222	340	55.7	194	26.1	4.1	18 5	1.9	9 27	1 7	4.2
R21304	28.7	62.4	2.2	1 9	8.62	0.365	0.52	< 0 02	0.31	< 0 02	< 0.02	1.34	47 6	243	462	69.9	265	39.5	6 5	28.5	2.8	13.4	2 4	6.1
R21305	22.2	21 4	0 8	0.8	1 61	0 122	0.27	< 0.02	0.18	< 0.02	< 0 02	0.47	13.6	101	199	27.0	96.1	13.4	2 2	9 1	0 9	4.17	0.8	2 0
R21306	36 5	42 3	2 5	2.3	5 78	0.235	0.75	< 0.02	0.53	< 0 02	< 0 02	0.77	71 7	221	379	60.5	210	27.3	4.0	16 9	1.6	8.17	1.5	3.9
R21307	45.0	24 3	3 0	2 1	3 75	0.102	0.13	< 0.02	0 75	< 0.02	< 0.02	1.27	135	139	239	39 0	130	17 6	2 6	10.4	1 1	5 24	0.9	2.4
R21308	40.4	16.6	2 7	3 9	4 94	0.055	0.23	< 0.02	0 68	< 0.02	< 0.02	0.34	53 5	91 1	148	22.6	74.0	9 6	1 5	6.5	0 7	3 45	0.6	1.6
R21309	35.4	57.1	1.9	2 2	6.21	0.278	0.43	< 0 02	0.28	< 0.02	< 0.02	0 27	63 9	329	531	81.1	275	38.6	5 7	25 3	2 4	11 9	2 1	5.4
R21310	34.8	59 7	4.9	2 5	5.30	0 381	0 65	< 0 02	0.33	< 0.02	< 0.02	0.52	31 2	418	538	94.4	328	40 4	6 0	27 7	2 5	12.0	2 1	5 5
R21311	34.8	27.7	1.7	2.9	3 95	0 103	0.43	< 0.02	0.65	< 0.02	< 0.02	0 91	144	184	263	43.6	145	18 9	2.9	12 8	1.2	5 81	1.0	2 5
R21312	35 5	3.60	1 9	2.5	4 06	0.010	0 01	< 0.02	0.45	< 0 02	< 0 02	0 46	28 3	19 7	42.2	4 3	14.1	2 2	0.4	1.6	0.2	0 979	0.2	0.4
R21313	30 4	55 9	3 4	2.6	9 39	0.414	0.55	< 0.02	0 52	< 0 02	< 0 02	0.91	99.5	311	527	74.7	249	32 8	4 8	21.6	2 2	10 6	2 0	5 2
R21314	37.3	49 1	3 1	2 6	8.48	0.125	0.07	< 0.02	0.62	< 0.02	< 0.02	0 97	93.7	184	422	60.7	220	30 6	4 5	18.4	2.0	10 6	1.9	5.3
R21315	30 4	64.1	3 7	2 6	4.92	0.396	0.30	< 0 02	0 38	< 0.02	< 0 02	0 82	33 9	324	442	77.4	261	33 9	5.4	23.8	2 4	12 0	2.2	5.7
R21316	22 1	57.5	2.0	1 6	6.47	0.323	0.39	< 0.02	0 30	0.05	< 0.02	0 46	60 2	289	399	68.9	233	31 4	5 1	22.8	2.2	10 8	2.0	5.1
R21317	30.3	53.0	1 2	1 3	2.46	0.181	0.34	< 0 02	0 21	< 0.02	< 0 02	0 36	56 7	274	443	73 4	262	35.1	5 8	23 3	2 2	10 0	1.8	4.8
R21318	50.3	40.3	2.8	2 7	3.90	0.146	0.24	< 0 02	0 59	< 0.02	< 0.02	1 11	142	241	372	63.7	220	28.5	4.1	15.9	1 6	7 74	1.4	3.7
R21319	42.5	35 9	2.9	2 4	1 62	0 218	0.43	< 0.02	0 47	< 0.02	< 0 02	0 97	131	227	309	55.7	191	24.3	3 5	14 2	1.4	6 69	1 3	3 2
R21320	51.1	35 1	2 8	2.5	2 71	0 179	0 29	< 0 02	0.67	< 0.02	< 0.02	1.51	180	200	307	49.1	168	22.1	3 4	14 0	1 4	7.12	1 3	3 3
R21321	37.8	38.2	2 5	2.7	4 26	0 292	0 19	< 0.02	0.66	< 0.02	< 0.02	1.13	119	215	497	52 9	172	22 8	3 4	16 4	1 7	8.00	1.4	3 7
R21322	39 4	34 9	2 1	1.8	3 88	0 246	0.13	< 0.02	0 68	< 0 02	< 0 02	1.25	138	219	446	51 7	168	22 4	3.4	15 9	1.6	7.50	1 3	3 2
R21323	35.6	28.0	1 6	2.8	5 50	0.175	0.28	< 0.02	0.60	< 0 02	< 0.02	0.70	66.0	151	251	36 7	121	15 8	2 4	9.9	1.0	5.30	1 0	2 5
R21324	33.4	49.3	1 9	1 4	3 93	0.291	0.06	0.02	0.75	< 0 02	< 0.02	1.37	62 1	191	648	84.4	227	35 0	5.1	22.3	2 2	11 0	2 0	5.2
R21325	33 1	47.0	1 7	2 4	2.43	0 372	0.31	< 0 02	0 63	< 0.02	< 0.02	1 59	138	237	595	81.5	214	31 9	5.0	23.0	2 3	11 3	2.0	5.0
R21326	39 0	36.1	3.7	2.2	1.76	0.476	0.25	0.02	0 88	< 0.02	< 0 02	2 79	243	239	374	58.1	189	23 8	3 6	14.0	1 4	6.92	1 3	3 2
R21327	34 0	42 9	2.4	2.0	3 49	0.502	1 04	< 0 02	0.44	< 0.02	< 0.02	1 06	58 0	308	480	70.3	228	27.9	4 3	18.3	1 8	8 79	1 5	3.9
R21328	33.9	35 1	4 8	1.2	4 00	0 439	0.21	0.02	0.70	< 0.02	< 0 02	1 68	205	257	573	84.1	210	26 8	4 1	17 9	1.7	7 64	1 3	3 4
R21329	34.4	41.3	3 6	2 7	2 51	0 470	0 73	0 02	0.59	< 0 02	< 0 02	1 63	59 6	293	477	74.0	241	29.2	4 3	16.1	1.6	7 99	1 5	3 8
R21330	35 2	41.9	2 6	2 0	2 74	0.328	0 38	0 02	0 67	< 0.02	< 0 02	1.60	149	264	567	65 7	214	26 1	4 0	15 5	1 6	8 35	1.5	3 9
R21331	33 7	27.9	1 9	1 4	1 09	0.382	0 33	< 0 02	0 23	< 0.02	< 0.02	0.62	39 6	268	461	65.4	216	25 2	3 8	15.3	1.4	6.11	1.1	2.6
R21332	40.2	19.2	3 6	1 8	1.40	0.315	0.26	0 02	0.86	< 0.02	< 0.02	2 37	366	179	250	38.4	121	14 5	2.1	9.7	0.9	4 20	0.7	1.8
R21333	41.1	19 0	5.5	2 9	4 33	0.373	0 43	0 03	0 90	< 0.02	< 0.02	5.42	143	177	221	40 3	134	16.0	2.3	9 7	0 9	4 09	0.7	1.7
R21334	33.8	31 7	4.7	2 4	5.03	0.405	0 69	0.02	0.65	< 0 02	< 0.02	2.14	69.0	277	381	64 8	208	24 4	3 3	14 4	1.3	6 23	1 1	2.8
R21335	39.0	39 7	4 2	0 7	4.24	0 107	0.12	0.03	1.23	< 0.02	< 0.02	3 97	312	243	455	60 6	195	25.0	3 6	15 3	1.5	7.29	1.4	3 6
R21336	32.9	33.9	3 5	0.8	5 24	0.144	0.09	0.03	1 05	< 0 02	< 0 02	3.67	311	215	366	52 7	175	23 2	3.4	15 5	1.5	7.14	1 2	3 3
R21337	60 1	22 7	8.0	1 5	1.50	0.486	0.13	0 04	1 43	< 0.02	0 04	4 61	472	204	302	42 6	131	15 1	2.1	8.6	0.9	4.39	0 8	2 0
R21338	32.0	43 5	3 5	2 0	6.31	0.395	0 50	0.02	0.71	< 0.02	< 0.02	2.98	109	250	372	58.7	195	24.9	3 7	17.1	1.8	8.51	1 5	4 0
R21339	40.9	41 3	6 6	3.4	2.96	0.346	0.62	0.02	1 01	< 0 02	< 0 02	3.27	75 7	239	323	61.2	212	28.3	4 1	18 2	1.8	8 40	1.5	3 8
R21340	35 7	50.4	4 2	2 5	3 74	0.397	0.31	0 03	0.95	< 0.02	< 0.02	2 89	200	211	315	55.5	187	25 4	4 0	16.9	1 8	9.50	1 8	4 8
R21341	44.3	54 3	4 6	2 6	3.01	0 449	0 25	0.03	1.09	< 0 02	0.03	3.31	321	245	527	64.6	217	30 9	4.6	19 4	2 1	10 6	2.0	5.2
R21342	23.3	31.9	2 5	2 1	2 94	0.348	0.35	< 0.02	0.54	< 0.02	< 0 02	1 81	204	147	245	39 2	130	17 8	2.7	12.0	1 3	6 78	1.2	3.1
R21343	30 0	2.79	1 5	2.0	4.82	0.004	0.01	< 0 02	0.38	< 0 02	< 0.02	0.38	23 0	14.5	30 9	3.1	10 4	1 7	0.3	1.2	0.2	0 782	0.1	0.3
R21344	26 4	34 1	2.2	1 6	3 59	0.143	0.20	< 0.02	0.62	< 0 02	< 0.02	1.77	155	209	359	51.6	168	22 1	3.3	14.8	1.5	7 31	1.3	3.4
R21345	41.3	28 4	2 9	1.7	2 30	0.312	0.39	0.02	0 89	< 0 02	< 0.02	2.28	249	222	313	48.5	152	18 0	2.6	11.2	1.2	5.89	1 0	2.6
R21346	29.4	30 0	2.4	2.2	4 60	0.176	0 47	0 02	0 71	< 0 02	< 0.02	1 40	119	183	297	45.2	149	18 4	2.7	11.0	1.1	5.53	1.0	2.7
R21347	30.4	30.5	2 2	1 2	3 35	0 227	0 16	0 02	0 79	< 0 02	< 0 02	2 32	197	205	350	50 8	167	21 9	3.3	14 9	1.5	7 07	1 2	3.2
R21348	36.3	46.8	5 6	3 0	4 85	0 323	1.58	0 02	0 70	0 03	0 05	1 81	49.9	233	334	62 9	214	27.7	4.1	18.0	1 9	9 23	1 7	4 4
R21349	27.7	40 5	2 7	2 3	1.98	0.271	0 63	< 0 02	0 60	< 0 02	< 0.02	1.80	79.6	202	338	53 4	179	24.2	3.7	16 5	1.7	8 27	1.5	3 7
R21350	35.0	52 1	3.3	1.8	2 13	0 286	0.47	0 02	0.85	< 0 02	< 0.02	2.76	128	212	399	57.9	205	30 7	5.1	21.4	2.2	11 0	2 0	5 2
R21351	41 2	28 7	3.5	0 6	2 01	0.180	0.14	0 03	1.17	< 0 02	< 0.02	2.76	265	147	311	39.2	135	18.9	2 9	12 2	1.2	6.11	1 1	2.9
R21352	47.3	41 3	7 4	2.4	1 88	0.314	0 35	0 03	1 26	< 0 02	< 0.02	3.43	366	203	391	52 1	175	24.0	3.6	14 9	1.6	8.08	1.5	4 0

Analyte Symbol	Sr	Y	Zr	Nb	Mo	Ag	Cd	In	Sn	Sb	Te	Cs	Ba	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er
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	0.5	0.01	0.1	0.1	0.01	0.002	0.01	0.02	0.05	0.02	0.02	0.02	0.5	0.5	0.01	0.1	0.02	0.1	0.1	0.1	0.1	0.001	0.1	0.1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
R21353	43.6	32.0	6.5	2.8	1.06	0.260	0.23	0.03	1.10	< 0.02	< 0.02	2.86	350	147	251	37.8	125	17.6	2.7	11.0	1.3	6.39	1.2	3.1
R21354	41.3	56.5	4.3	2.2	3.17	0.640	0.90	< 0.02	0.77	0.05	0.05	2.37	85.3	281	397	71.4	249	33.7	4.8	19.7	2.0	10.6	2.0	5.2
R21355	37.6	68.2	3.0	2.3	5.40	0.429	0.42	0.03	0.82	< 0.02	< 0.02	2.58	51.2	353	708	81.7	264	35.4	5.8	25.4	2.8	13.8	2.5	6.5
R21356	31.3	33.8	4.5	2.7	3.11	0.307	0.58	< 0.02	0.63	< 0.02	< 0.02	2.14	66.8	183	253	45.8	161	21.4	3.3	14.6	1.4	6.90	1.2	3.1
R21357	36.8	37.2	3.8	1.8	3.17	0.196	0.08	0.03	0.85	< 0.02	< 0.02	3.04	200	190	298	50.5	171	22.0	3.2	13.6	1.5	7.15	1.3	3.5
R21358	34.6	54.7	4.2	1.8	4.44	0.254	0.20	0.02	0.83	< 0.02	0.04	3.01	256	280	475	70.3	239	31.3	4.6	20.0	1.9	9.64	1.8	4.8
R21359	24.7	39.7	3.5	2.0	4.45	0.439	0.40	< 0.02	0.38	< 0.02	< 0.02	1.63	46.5	237	256	57.2	183	22.9	3.2	14.4	1.5	7.06	1.3	3.3
R21360	23.5	45.0	3.4	2.4	8.11	0.281	0.30	< 0.02	0.62	< 0.02	< 0.02	2.47	151	255	306	67.3	230	29.9	4.3	19.2	1.8	8.66	1.5	4.0
R21361	17.5	54.0	2.4	1.5	14.7	0.413	0.76	< 0.02	0.30	< 0.02	< 0.02	0.98	31.9	366	514	87.9	288	35.0	4.8	21.7	2.1	9.64	1.7	4.6
R21362	41.9	38.8	6.7	3.2	4.05	0.645	1.01	0.02	0.68	< 0.02	< 0.02	2.34	53.7	324	421	81.8	266	30.9	4.1	15.8	1.5	7.51	1.3	3.6
R21363	47.4	21.7	4.9	1.2	0.94	0.342	0.49	0.03	1.08	< 0.02	< 0.02	2.65	389	182	380	42.3	132	15.2	2.1	9.5	1.0	4.66	0.8	2.2
R21364	31.9	27.7	2.8	2.0	1.99	0.317	0.36	< 0.02	0.39	< 0.02	< 0.02	0.84	69.6	247	392	59.1	186	21.0	3.0	13.3	1.3	5.84	1.0	2.6
R21365	34.7	2.95	1.4	2.1	4.24	0.010	0.16	< 0.02	0.41	< 0.02	< 0.02	0.46	27.2	14.8	32.1	3.4	11.3	1.8	0.4	1.3	0.2	0.836	0.1	0.3
R21366	35.3	20.0	3.0	1.6	0.84	0.276	0.44	< 0.02	0.26	< 0.02	0.03	0.76	92.4	196	288	48.9	157	17.9	2.5	10.6	0.9	4.45	0.8	2.0
R21367	43.2	32.9	3.1	1.9	2.16	0.256	0.34	0.02	0.62	< 0.02	< 0.02	1.64	61.6	230	423	65.0	218	27.2	3.9	16.1	1.5	7.16	1.3	3.2
R21368	48.9	30.8	3.1	1.9	2.04	0.274	0.51	0.03	0.83	< 0.02	0.03	2.28	270	233	396	60.9	201	24.1	3.4	14.7	1.4	6.53	1.1	3.0
R21369	29.8	25.4	2.3	2.3	1.77	0.297	0.21	< 0.02	0.54	0.02	0.04	0.93	65.6	196	306	41.0	129	15.1	2.3	10.0	1.0	4.88	0.9	2.3
R21370	44.6	28.2	4.1	1.4	2.81	0.181	0.18	0.02	0.70	< 0.02	0.02	1.53	219	201	417	52.9	173	21.7	3.2	12.9	1.3	6.03	1.1	2.8
R21371	32.5	31.2	2.7	3.0	3.85	0.234	0.27	< 0.02	0.84	< 0.02	< 0.02	1.72	207	235	361	60.7	201	24.9	3.6	15.1	1.4	7.00	1.2	3.1
R21372	81.8	28.6	11.4	3.4	4.28	0.303	0.57	0.02	0.81	< 0.02	0.04	2.37	13.3	239	330	57.3	186	21.8	3.1	12.9	1.2	5.61	1.0	2.5
R21373	24.3	21.5	1.1	1.8	2.81	0.157	0.16	< 0.02	0.39	< 0.02	< 0.02	0.66	82.0	137	287	36.3	121	15.4	2.3	9.9	1.0	4.66	0.8	2.1
R21374	31.4	37.4	2.4	1.3	1.70	0.465	0.23	< 0.02	0.50	< 0.02	< 0.02	1.40	188	265	662	62.2	198	24.5	3.7	16.3	1.6	7.45	1.3	3.4
R21375	39.3	18.9	3.1	1.6	1.26	0.359	0.17	0.02	0.91	< 0.02	< 0.02	2.01	294	158	244	36.2	117	13.6	1.8	8.0	0.8	3.80	0.7	1.7
R21376	36.8	17.0	1.6	0.7	1.79	0.350	0.12	0.03	0.81	< 0.02	0.03	2.25	290	158	245	36.0	112	13.3	1.8	7.5	0.7	3.49	0.6	1.6
R21377	43.8	14.4	4.4	1.3	2.33	0.143	0.12	0.02	0.83	< 0.02	< 0.02	1.81	228	124	215	29.2	93.8	11.1	1.6	6.5	0.6	3.12	0.5	1.4
R21378	25.9	16.0	3.5	2.4	3.60	0.262	0.58	< 0.02	0.52	< 0.02	< 0.02	1.24	192	136	176	33.6	113	13.1	1.8	7.6	0.7	3.31	0.6	1.5
R21379	32.4	18.6	2.6	2.5	3.10	0.363	0.28	< 0.02	0.53	< 0.02	< 0.02	1.00	167	172	252	43.3	140	16.4	2.2	9.5	0.9	4.09	0.7	1.8
R21380	39.9	38.3	4.7	3.1	2.08	0.446	0.43	0.03	0.80	< 0.02	0.03	2.47	172	229	304	56.0	192	24.6	3.5	15.6	1.5	7.53	1.3	3.5
R21381	16.5	34.7	1.6	1.7	4.71	0.204	0.25	< 0.02	0.41	< 0.02	< 0.02	1.81	94.3	162	178	42.0	143	18.5	2.8	12.1	1.2	6.27	1.1	3.1
R21382	27.2	29.7	3.5	2.5	2.72	0.574	0.52	< 0.02	0.59	< 0.02	< 0.02	1.89	44.6	207	235	47.8	151	18.1	2.5	10.9	1.1	5.26	1.0	2.5
R21383	30.4	40.0	2.4	1.1	2.58	0.228	0.19	0.02	0.65	< 0.02	< 0.02	2.06	186	189	349	48.0	157	21.0	3.3	14.0	1.5	7.62	1.4	3.9
R21384	42.6	37.6	7.1	3.2	3.39	0.305	0.95	0.02	0.82	< 0.02	< 0.02	2.29	53.3	180	246	46.3	158	21.1	3.3	13.1	1.4	7.27	1.4	3.6
R21385	39.1	43.0	7.5	3.8	5.66	0.367	0.72	0.02	0.77	< 0.02	< 0.02	2.27	53.4	199	276	53.4	183	25.1	3.9	15.7	1.7	8.32	1.6	4.0
R21386	35.6	35.8	7.1	3.2	1.99	0.328	0.36	0.02	0.80	< 0.02	< 0.02	2.36	228	159	255	42.2	146	20.9	3.3	13.7	1.5	7.36	1.3	3.5
R21387	32.8	67.6	3.6	3.3	1.77	0.315	0.49	< 0.02	0.75	< 0.02	0.03	2.23	152	277	568	78.4	283	41.5	6.7	27.7	2.8	13.7	2.5	6.5
R21388	34.2	52.9	8.2	3.7	5.36	0.374	0.38	< 0.02	0.77	< 0.02	< 0.02	2.14	38.5	237	334	61.8	215	29.8	4.7	19.0	2.0	9.96	1.8	4.7
R21389	29.1	48.7	4.0	2.8	2.52	0.262	0.42	< 0.02	0.67	< 0.02	< 0.02	1.99	192	200	314	54.3	190	27.1	4.3	18.1	1.9	9.48	1.7	4.6
R21390	24.9	64.8	2.8	2.0	2.91	0.272	0.50	< 0.02	0.42	< 0.02	< 0.02	1.24	120	226	335	61.2	213	31.5	5.1	21.9	2.4	12.5	2.4	6.1
R21391	46.9	33.4	6.0	2.8	1.08	0.332	0.23	0.03	0.98	< 0.02	< 0.02	3.58	330	201	254	49.2	168	21.8	3.1	13.4	1.3	6.42	1.2	3.1
R21392	33.1	45.6	10.9	2.6	8.36	0.556	0.44	< 0.02	0.61	< 0.02	< 0.02	3.44	92.5	188	314	52.5	185	25.0	3.9	17.1	1.8	9.23	1.7	4.6
R21393	28.0	45.0	3.0	1.6	4.56	0.341	0.28	0.02	0.69	< 0.02	< 0.02	2.22	189	226	446	59.6	204	28.0	4.2	18.9	1.8	8.66	1.6	4.3
R21394	39.3	50.0	5.5	3.5	3.55	0.528	0.40	0.03	0.94	< 0.02	< 0.02	3.14	196	245	378	63.9	220	29.0	4.3	17.2	1.8	9.00	1.7	4.5
R21395	36.7	38.2	4.1	2.8	2.80	0.253	0.28	0.03	2.60	0.02	< 0.02	2.57	247	171	371	44.2	145	19.8	3.1	12.8	1.4	7.32	1.3	3.7
R21396	36.0	28.9	1.8	1.2	2.81	0.238	0.34	0.02	0.82	< 0.02	< 0.02	2.49	239	151	300	38.5	130	16.8	2.5	11.9	1.1	5.62	1.0	2.7
R21397	27.8	20.6	5.1	2.4	1.47	0.223	0.46	< 0.02	0.47	< 0.02	< 0.02	1.78	158	161	179	39.9	136	17.7	2.4	10.8	1.0	4.58	0.8	2.0
R21398	38.2	13.0	4.5	1.5	3.07	0.107	0.22	< 0.02	0.77	< 0.02	< 0.02	1.61	202	82.4	144	19.3	65.5	8.6	1.3	5.8	0.5	2.63	0.5	1.3
R21399	26.0	42.6	3.3	3.3	2.74	0.317	0.34	< 0.02	0.73	< 0.02	< 0.02	1.38	59.1	177	240	41.1	142	18.9	3.1	14.1	1.4	6.81	1.3	3.4
R21400	49.5	34.9	8.0	1.6	1.20	0.354	0.22	0.04	1.28	< 0.02	< 0.02	3.87	354	204	322	50.0	167	21.4	3.0	12.8	1.3	6.49	1.2	3.3
R21401	43.1	22.9	4.9	1.3	2.43	0.265	0.29	0.03	0.95	< 0.02	< 0.02	2.51	276	138	223	33.6	111	13.8	2.0	8.2	0.9	4.51	0.8	2.3
R21402	38.0	15.1	5.3	2.4	4.83	0.161	0.36	< 0.02	0.77	< 0.02	< 0.02	1.80	209	92.2	140	22.4	77.4	10.0	1.5	6.2	0.6	3.00	0.6	1.5
R21403	33.9	29.5	2.9	2.4	2.78	0.371	0.41	0.02	0.77	< 0.02	< 0.02	2.52	291	168	291	41.6	134	17.7	2.6	11.6	1.2	6.09	1.1	2.9
R21404	39.3	4.47	1.9	3.1	3.84	< 0.002	< 0.01	< 0.02	0.49	< 0.02	< 0.02	0.53	34.9	21.0	46.2	5.0	17.3	2.8	0.5	1.8	0.2	1.15	0.2	0.5

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Analyte Symbol	Sr	Y	Zr	Nb	Mo	Ag	Cd	In	Sn	Sb	Te	Cs	Ba	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er
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	0.5	0.01	0.1	0.1	0.01	0.002	0.01	0.02	0.05	0.02	0.02	0.02	0.5	0.5	0.01	0.1	0.02	0.1	0.1	0.1	0.1	0.001	0.1	0.1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
R21405	36.7	37.3	2.7	1.3	3.02	0.281	0.21	0.03	0.87	< 0.02	< 0.02	2.69	241	182	334	45.1	148	19.1	2.9	12.3	1.4	7.09	1.3	3.5
R21406	38.0	30.8	4.0	1.3	11.5	0.168	0.09	0.03	0.94	< 0.02	< 0.02	3.16	281	204	346	52.2	173	23.2	3.3	14.7	1.4	6.73	1.2	3.1
R21407	24.3	32.8	2.5	2.1	3.14	0.277	0.25	< 0.02	0.60	< 0.02	< 0.02	2.02	160	178	305	41.7	140	17.9	2.7	11.4	1.1	5.78	1.1	2.8
R21408	26.6	49.5	2.9	2.4	7.28	0.147	0.13	< 0.02	2.36	< 0.02	< 0.02	1.89	153	264	457	66.1	234	30.0	4.3	19.3	1.9	9.08	1.6	4.4
R21409	37.5	16.5	2.0	0.7	4.62	0.025	0.03	< 0.02	0.77	< 0.02	< 0.02	1.71	178	116	186	28.3	93.1	11.5	1.6	6.8	0.7	3.30	0.6	1.6
R21410	35.4	33.5	3.8	2.5	3.35	0.245	0.22	0.02	0.80	< 0.02	< 0.02	2.39	284	235	263	53.2	169	21.4	3.0	12.8	1.3	6.24	1.1	2.9
R21411	38.9	30.8	5.8	2.6	4.05	0.516	0.31	0.03	0.92	< 0.02	< 0.02	2.67	198	229	268	53.3	173	20.6	2.8	12.3	1.2	5.81	1.0	2.8
R21412	42.9	20.2	4.6	1.2	1.10	0.264	0.15	0.03	0.92	< 0.02	< 0.02	2.57	358	164	269	40.7	136	16.7	2.2	9.3	0.9	4.31	0.7	2.0
R21413	52.6	22.2	4.2	2.2	1.82	0.310	0.44	0.03	0.97	< 0.02	0.02	2.40	399	182	306	45.2	149	18.0	2.4	10.0	1.0	4.59	0.8	2.1
R21414	31.3	21.1	3.7	2.4	3.88	0.285	0.27	< 0.02	0.67	< 0.02	< 0.02	1.61	198	179	287	43.6	146	17.4	2.3	10.0	0.9	4.36	0.8	2.0
R21415	36.3	13.5	4.2	2.3	1.42	0.175	0.47	< 0.02	0.57	< 0.02	< 0.02	1.16	127	120	181	30.3	101	12.2	1.6	6.7	0.7	3.13	0.5	1.4
R21416	33.0	27.9	1.2	1.6	3.07	0.291	0.25	< 0.02	0.52	< 0.02	< 0.02	1.03	135	164	365	44.1	149	19.5	2.9	11.8	1.2	5.92	1.0	2.7
R21417	34.3	38.4	3.6	2.1	1.88	0.468	0.26	< 0.02	0.63	< 0.02	< 0.02	2.01	208	247	427	63.4	213	27.3	3.9	16.6	1.6	7.99	1.4	3.8
R21418	26.8	42.4	2.4	1.0	3.56	0.523	0.22	< 0.02	0.58	< 0.02	< 0.02	1.93	185	285	565	73.2	243	31.7	4.5	18.8	1.8	8.65	1.6	4.1
R21419	37.0	43.6	3.2	2.1	3.52	0.366	0.77	< 0.02	0.59	< 0.02	< 0.02	1.91	64.3	283	523	80.9	275	35.8	5.0	20.5	2.0	9.48	1.7	4.3
R21420	31.9	34.7	3.9	2.0	2.07	0.668	0.32	< 0.02	0.58	< 0.02	< 0.02	1.53	101	306	439	64.4	206	24.4	3.5	15.4	1.4	6.72	1.2	3.0
R21421	41.3	22.4	2.9	1.6	1.03	0.264	0.22	0.02	0.79	< 0.02	< 0.02	1.66	279	193	386	47.9	154	18.6	2.4	10.8	1.0	4.78	0.9	2.2
R21422	29.8	23.1	2.0	1.8	1.24	0.244	0.44	< 0.02	0.36	0.05	< 0.02	1.01	69.5	190	257	48.5	162	19.4	2.6	10.8	1.0	4.63	0.8	2.1
R21423	30.7	21.7	2.3	1.1	1.37	0.224	0.66	< 0.02	0.22	0.08	0.05	0.65	31.7	143	231	43.4	156	21.2	3.3	12.1	1.1	5.28	0.9	2.2
R21424	40.1	27.1	3.5	1.5	1.22	0.194	0.82	0.03	0.77	0.02	0.04	2.19	90.2	203	312	57.2	196	24.0	3.1	12.9	1.2	5.74	1.0	2.6
R21425	36.0	24.1	2.4	1.7	3.77	0.131	0.21	0.02	1.00	0.05	0.04	1.64	187	165	291	46.9	162	19.8	2.7	11.1	1.1	5.12	0.9	2.4
R21426	26.8	30.5	1.9	1.6	2.23	0.391	0.31	< 0.02	0.54	0.08	0.05	1.22	61.3	243	472	57.5	182	22.4	3.0	13.1	1.3	6.16	1.1	2.9
R21427	22.9	22.4	1.7	1.4	2.07	0.334	0.40	< 0.02	0.33	0.06	< 0.02	0.83	80.9	162	229	42.5	143	18.0	2.4	9.9	1.0	4.53	0.8	2.1
R21428	32.6	20.4	1.5	1.0	3.82	0.088	0.15	< 0.02	0.62	0.02	0.05	1.13	139	109	196	30.0	103	14.7	2.1	9.1	0.9	4.64	0.8	2.1
R21429	41.2	27.2	7.6	0.3	1.91	0.031	0.10	0.04	1.35	< 0.02	0.09	4.02	536	277	424	57.9	185	21.9	3.0	12.0	1.1	5.36	1.0	2.5
R21430	42.4	22.2	4.8	1.6	1.38	0.496	0.26	0.03	0.82	0.02	< 0.02	2.73	173	200	307	48.7	158	19.4	2.5	10.8	1.0	4.80	0.8	2.1
R21431	36.0	16.1	1.4	0.9	2.13	0.081	0.06	< 0.02	0.62	0.03	0.03	0.74	78.9	99.5	181	25.1	84.2	11.1	1.5	6.6	0.7	3.30	0.6	1.6
R21432	33.4	21.5	2.6	2.1	1.33	0.371	0.41	< 0.02	0.54	0.03	0.04	1.28	48.5	192	249	45.0	143	17.3	2.2	9.4	0.9	4.36	0.8	2.0
R21433	21.1	20.6	0.7	0.6	1.26	0.116	0.15	< 0.02	0.28	0.04	< 0.02	0.59	85.6	124	213	31.1	102	12.7	1.7	7.7	0.8	3.88	0.7	2.0
R21434	19.7	44.3	1.7	1.4	2.59	0.461	0.37	< 0.02	0.28	0.03	< 0.02	0.93	56.9	304	654	78.5	264	33.0	4.6	20.0	2.0	9.47	1.7	4.4
R21435	22.5	23.4	1.4	1.2	1.15	0.483	0.58	< 0.02	0.31	0.09	< 0.02	0.38	35.1	268	475	62.1	199	21.6	2.9	12.2	1.1	4.98	0.9	2.1
R21436	33.2	21.5	2.6	2.0	0.76	0.350	0.31	< 0.02	0.42	0.03	0.04	1.13	119	227	335	51.6	168	19.2	2.5	10.3	1.0	4.62	0.8	2.0
R21437	39.2	27.3	5.8	2.4	0.81	0.279	0.34	0.02	0.74	0.03	0.05	2.05	252	200	306	51.3	173	22.4	3.1	12.9	1.2	6.10	1.0	2.7
R21438	43.1	27.7	2.5	0.6	3.34	0.138	0.11	0.02	0.83	0.03	0.08	1.72	178	204	409	52.3	174	22.0	2.9	12.7	1.2	5.81	1.0	2.7
R21439	42.2	20.9	9.9	0.6	3.43	0.322	0.13	0.04	1.11	0.03	0.11	3.44	439	250	349	57.0	183	21.5	2.6	11.0	1.0	4.67	0.8	2.1
R21440	36.9	29.2	8.8	2.8	2.44	0.445	0.66	< 0.02	0.60	0.03	0.03	2.03	55.0	270	332	69.9	236	27.7	3.4	14.6	1.3	6.22	1.1	2.9
R21441	28.9	27.6	2.6	0.7	2.98	0.128	0.07	0.02	0.68	0.03	0.02	2.10	196	219	315	52.8	172	21.0	2.7	12.1	1.1	5.43	1.0	2.6
R21442	30.2	32.8	2.6	1.6	1.76	0.419	0.36	< 0.02	0.30	0.05	0.03	0.90	102	248	344	61.3	205	24.9	3.4	14.4	1.4	6.51	1.2	3.0
R21443	36.9	44.2	5.2	2.6	2.33	0.615	0.95	< 0.02	0.61	0.05	0.06	1.70	273	312	439	81.3	275	34.4	4.5	19.1	1.8	8.88	1.5	4.2
R21444	29.2	36.5	3.1	1.9	3.82	0.778	0.23	0.02	0.70	0.05	0.04	1.70	177	301	413	72.5	237	28.5	3.8	16.0	1.6	7.65	1.3	3.4
R21445	28.1	27.3	2.7	1.9	1.55	0.266	0.45	< 0.02	0.38	0.04	0.04	0.83	68.4	259	433	62.0	206	23.9	3.2	13.6	1.2	5.93	1.0	2.6
R21446	20.5	44.9	1.4	1.2	3.56	0.519	0.43	< 0.02	0.24	0.03	0.03	0.49	28.8	363	672	89.5	300	36.3	5.1	21.5	2.0	9.85	1.7	4.4
R21447	24.4	16.5	0.7	0.9	2.36	0.144	0.23	< 0.02	0.51	0.02	< 0.02	0.66	99.0	98.1	165	24.1	79.3	10.3	1.4	6.4	0.7	3.33	0.6	1.6
R21448	56.8	28.6	5.1	1.3	1.04	0.256	0.25	0.03	1.08	< 0.02	0.06	2.63	488	260	557	64.0	207	25.1	3.1	14.2	1.3	6.17	1.1	2.9
R21449	56.7	20.6	5.2	1.2	1.00	0.803	0.21	0.04	1.15	< 0.02	0.05	2.95	403	218	455	46.1	143	16.6	2.1	9.7	0.9	4.40	0.8	2.0
R21450	47.8	27.1	2.7	1.0	1.65	0.360	0.35	0.03	0.93	0.02	0.07	2.28	329	238	390	56.6	187	22.6	2.8	12.1	1.2	5.55	1.0	2.6

Analyte Symbol	Tm	Yb	Lu	Hf	Ta	W	Re	Au	Tl	Pb	Th	U
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm
Detection Limit	0 1	0.1	0.1	0.1	0.05	0.1	0 001	0.5	0.02	0 01	0.1	0 1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
R21301	0.6	3 0	0.4	0.2	< 0.05	< 0.1	0 003	0 7	0.29	5 94	3 0	21 2
R21302	0.5	2 6	0 4	< 0.1	< 0 05	< 0.1	0.002	1.8	0.19	8 00	3 0	25 0
R21303	0 6	3.0	0 5	< 0.1	< 0.05	< 0.1	< 0.001	< 0.5	0.22	6.38	3.5	13.4
R21304	0.9	4.7	0 7	< 0.1	< 0.05	< 0.1	< 0.001	< 0.5	0.32	6.81	4.7	33.1
R21305	0.3	1 6	0 2	< 0.1	< 0.05	< 0.1	< 0.001	< 0.5	0.11	3.02	1.5	5 1
R21306	0.5	3.0	0 5	< 0 1	< 0.05	< 0.1	0.001	0 6	0 24	6 85	5.1	7 5
R21307	0.3	1 9	0.3	< 0.1	< 0.05	< 0.1	< 0 001	< 0.5	0.31	8 23	17.6	7.3
R21308	0.2	1 2	0 2	< 0.1	< 0 05	< 0.1	< 0.001	< 0.5	0.15	3.94	8 8	5.7
R21309	0 7	3 9	0 6	< 0.1	< 0.05	< 0 1	0.003	< 0 5	0 46	2 58	10 0	3 0
R21310	0.7	4.1	0 7	< 0.1	< 0 05	< 0 1	0.004	2.3	0 55	4.80	20.5	6.3
R21311	0.3	1 8	0 3	< 0.1	< 0.05	< 0 1	0.001	< 0 5	0.30	6.59	14.5	2.0
R21312	< 0.1	0.3	< 0.1	< 0 1	< 0.05	< 0.1	< 0 001	< 0.5	0.05	3 22	8 5	0 6
R21313	0.7	4.2	0.7	< 0.1	< 0.05	< 0.1	0.001	5.0	0.47	7.30	16.3	6 4
R21314	0 8	4 4	0 7	< 0.1	< 0.05	< 0.1	< 0.001	< 0 5	0.33	7.98	18.5	4.3
R21315	0.8	4 2	0 7	< 0.1	< 0.05	< 0.1	< 0.001	< 0 5	0 32	5.21	11.9	10.1
R21316	0.7	4.2	0 7	< 0.1	< 0.05	< 0.1	0.002	< 0 5	0.18	6.82	7.1	13 3
R21317	0.7	3 7	0 6	< 0.1	< 0.05	< 0 1	0.002	< 0 5	0 28	2.80	5.5	10 2
R21318	0.5	2 8	0 4	< 0 1	< 0 05	< 0.1	< 0.001	< 0 5	0 35	7 02	17.0	7 3
R21319	0.4	2 3	0 3	< 0 1	< 0 05	< 0.1	0.001	< 0 5	0 32	5.61	12.7	5 2
R21320	0.4	2 4	0.4	< 0 1	< 0 05	< 0.1	< 0.001	< 0 5	0 45	8.10	18.7	6 2
R21321	0.5	2.7	0 4	< 0.1	< 0 05	< 0 1	< 0 001	< 0 5	0 43	8 08	21.7	4 6
R21322	0 4	2.5	0.4	< 0.1	< 0.05	< 0.1	< 0.001	0.6	0.42	8 41	26.1	5.8
R21323	0 3	1.8	0.3	< 0 1	< 0.05	< 0.1	< 0.001	< 0 5	0 25	5 25	12 6	3 1
R21324	0.7	4.4	0.7	< 0 1	< 0 05	< 0.1	< 0.001	< 0 5	0 54	10 2	22 4	9 9
R21325	0 7	3.8	0.6	< 0.1	< 0 05	< 0.1	< 0.001	< 0.5	0 43	8.78	16 8	10.5
R21326	0 4	2 4	0.3	< 0 1	< 0 05	< 0.1	< 0.001	< 0.5	0 99	12 6	43 1	2 5
R21327	0.5	2 9	0 4	< 0.1	< 0 05	< 0.1	0.001	< 0 5	0.33	7.16	10.8	3 0
R21328	0 5	2.8	0 4	< 0 1	< 0.05	< 0.1	< 0 001	1.8	0.63	10 4	31 9	3.2
R21329	0 5	3.0	0.4	< 0.1	< 0.05	< 0.1	< 0 001	< 0.5	0.46	9 59	13 7	2 5
R21330	0 5	3 0	0.4	< 0.1	< 0.05	< 0.1	< 0.001	< 0 5	0.66	8 53	16 1	2 6
R21331	0.3	1 8	0 3	< 0 1	< 0.05	< 0.1	0.001	< 0.5	0.23	3 58	5.3	1 8
R21332	0.2	1.3	0 2	< 0 1	< 0 05	< 0.1	< 0.001	< 0.5	0.73	12 0	28 9	1 9
R21333	0 2	1 4	0.2	< 0.1	< 0 05	< 0.1	< 0.001	< 0.5	0.98	14.9	26 5	3.7
R21334	0 4	2 1	0.4	< 0 1	< 0.05	< 0.1	0.001	< 0.5	0 62	9.71	16 7	7 5
R21335	0.5	3.0	0.5	< 0.1	< 0.05	< 0.1	< 0.001	< 0 5	1.01	19 9	47 9	5.0
R21336	0 5	2.6	0.4	< 0 1	< 0.05	< 0.1	< 0.001	1.5	0 79	17 5	47 8	5.4
R21337	0 3	1.5	0 2	< 0 1	< 0 05	< 0.1	< 0.001	< 0.5	1.25	19.7	59 1	2.8
R21338	0.5	3.1	0 5	< 0 1	< 0.05	< 0.1	< 0.001	< 0.5	0.64	13.2	27 6	7 9
R21339	0.5	3.2	0 5	< 0.1	< 0.05	< 0.1	< 0.001	< 0 5	0.72	16 2	31.2	6 6
R21340	0.7	3 9	0.6	< 0 1	< 0 05	< 0.1	< 0.001	< 0.5	0.69	16 5	34.1	5.4
R21341	0 7	4.1	0.6	< 0.1	< 0 05	< 0.1	< 0.001	< 0.5	0.79	16 0	44 6	4.2
R21342	0 4	2.4	0.4	< 0.1	< 0.05	< 0.1	< 0 001	< 0 5	0 40	8 60	16 2	2.8
R21343	< 0.1	0 3	< 0 1	< 0.1	< 0.05	< 0.1	< 0.001	< 0.5	0 04	2 79	6.4	0.4
R21344	0.5	2 7	0 4	< 0 1	< 0 05	< 0 1	< 0.001	0.5	0.38	10 3	18.1	4 5
R21345	0.4	2.0	0.3	< 0.1	< 0 05	< 0 1	< 0 001	< 0 5	0.61	12 6	27.5	4 4
R21346	0.4	2.2	0 3	< 0 1	< 0 05	< 0.1	< 0 001	< 0 5	0.39	9 84	12.5	2 9
R21347	0.4	2.5	0 4	< 0 1	< 0 05	< 0.1	< 0 001	0 9	0 48	13 3	26 7	4.8
R21348	0.6	3.3	0 5	< 0.1	< 0.05	< 0.1	0.003	3.6	0.51	12.1	15 5	7.0
R21349	0.5	2 7	0.4	< 0 1	< 0 05	< 0.1	0.002	< 0.5	0.40	11.2	8.6	3 0
R21350	0.7	4.2	0.7	< 0.1	< 0 05	< 0 1	< 0.001	< 0.5	0.66	14.7	24.9	3 5
R21351	0.4	2.5	0 4	< 0.1	< 0.05	< 0.1	< 0.001	0.9	0.71	17.0	38.6	3 1
R21352	0.6	3.2	0 5	< 0 1	< 0 05	< 0.1	< 0.001	< 0.5	0.84	18.7	42.4	3 9

Analyte Symbol	Tm	Yb	Lu	Hf	Ta	W	Re	Au	Tl	Pb	Th	U
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm
Detection Limit	0.1	0.1	0 1	0 1	0.05	0 1	0.001	0.5	0 02	0.01	0 1	0.1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
R21353	0.4	2 3	0 3	< 0 1	< 0.05	< 0.1	< 0.001	< 0.5	0 73	15.4	34.1	2.1
R21354	0.7	4 1	0 6	< 0.1	< 0.05	< 0.1	0.003	1 0	0.57	13 1	10 2	7 4
R21355	0.9	4 8	0.7	< 0 1	< 0.05	< 0.1	< 0.001	< 0 5	0.63	17.1	25 0	11.8
R21356	0.4	2.5	0 4	< 0 1	< 0.05	< 0.1	< 0.001	< 0 5	0 49	11 7	17.5	5 3
R21357	0.5	2.6	0 4	< 0 1	< 0.05	< 0.1	< 0.001	< 0 5	0.57	13 5	26.1	5.5
R21358	0.7	4 1	0 7	< 0.1	< 0.05	< 0.1	< 0 001	< 0 5	0.65	16.4	44.9	7.3
R21359	0 4	2 4	0 4	< 0.1	< 0 05	< 0.1	< 0 001	< 0.5	0 33	7.05	15.2	6 1
R21360	0.5	3 3	0 6	< 0 1	< 0 05	< 0 1	< 0.001	< 0 5	0 48	11.0	24.7	10.1
R21361	0 6	3.6	0.6	< 0 1	< 0.05	< 0 1	0.001	< 0 5	0.32	6.49	10 4	15.7
R21362	0 5	2 8	0.4	< 0.1	< 0 05	< 0.1	0.002	< 0 5	0 80	14 4	17 0	5.8
R21363	0.3	1 5	0 2	< 0.1	< 0.05	< 0.1	< 0 001	< 0 5	0.92	13 1	35 0	2 0
R21364	0.3	1 8	0 3	< 0 1	< 0.05	< 0 1	< 0.001	< 0 5	0 34	4 79	10.3	1.6
R21365	< 0.1	0 3	< 0 1	< 0 1	< 0.05	< 0.1	< 0.001	< 0 5	0 06	3.32	3.5	0.5
R21366	0.3	1 4	0 2	0.1	< 0.05	< 0.1	0.002	0.9	0 29	3 75	8.4	1 4
R21367	0.4	2 6	0 4	< 0 1	< 0 05	< 0.1	0.003	0 8	0 56	9.09	22.0	2 7
R21368	0.4	2 3	0 3	< 0 1	< 0 05	< 0.1	0.002	1 4	0 71	11.6	28.7	3 2
R21369	0.3	1.6	0 2	< 0 1	< 0 05	< 0.1	0.002	1.4	0.32	8.15	12.1	1.0
R21370	0 4	2.3	0.3	< 0 1	< 0 05	< 0.1	0.002	1 2	0 50	9.44	24.0	2 6
R21371	0.4	2.4	0.4	< 0 1	< 0 05	< 0 1	0.003	1 5	0.53	11.3	27.0	3 1
R21372	0 3	1 9	0.3	0.2	< 0 05	< 0.1	0.003	1 5	0 89	14 1	33.0	3.8
R21373	0.3	1 6	0 3	< 0.1	< 0 05	< 0 1	0.001	1.1	0 22	5.15	9.5	1 6
R21374	0.5	2 7	0.4	< 0 1	< 0.05	< 0 1	0 003	1.1	0.67	8 77	26.9	1.9
R21375	0.2	1 3	0 2	< 0.1	< 0.05	< 0.1	0.001	0.8	0 69	11 5	30.3	1 5
R21376	0.2	1 2	0.2	< 0.1	< 0.05	< 0 1	0.001	0.8	0.67	12 1	29.3	2.3
R21377	0.2	1 1	0.2	< 0 1	< 0.05	< 0.1	0.002	0.8	0 56	10.5	23.4	3 7
R21378	0.2	1 2	0 2	< 0 1	< 0.05	< 0.1	0.003	0 6	0 44	8 28	12.9	2.8
R21379	0.2	1.4	0 2	< 0 1	< 0.05	< 0 1	0.002	0 8	0 40	6.55	12.2	1.6
R21380	0 5	2 7	0 4	< 0.1	< 0 05	< 0.1	0 002	0.8	0.68	11.0	23.6	5 0
R21381	0.4	2.4	0 4	< 0 1	< 0 05	< 0.1	0 001	< 0 5	0 28	11 0	10 6	4.2
R21382	0.3	1.9	0.3	< 0 1	< 0.05	< 0 1	0.002	< 0 5	0 38	8 79	9.1	4.9
R21383	0.5	3 1	0 5	< 0 1	< 0.05	< 0.1	0.001	0.6	0 47	11.9	25.9	4.7
R21384	0.5	2 9	0.5	0 1	< 0.05	< 0 1	0.005	0 9	0 48	13.6	15.5	6 0
R21385	0.6	3 2	0 5	0 1	< 0.05	< 0 1	0.003	1 6	0 54	12.6	15.8	6.6
R21386	0 5	2.7	0 4	< 0.1	< 0.05	< 0.1	0.003	0 9	0 51	12.7	20.7	4.0
R21387	0 9	4.9	0.7	< 0.1	< 0 05	< 0.1	0.004	1.3	0 50	12.5	16.5	4 7
R21388	0.6	3 8	0 6	0.1	< 0 05	< 0.1	0.004	1.0	0.60	10 5	25.7	9.7
R21389	0.6	3 8	0.6	< 0.1	< 0 05	< 0 1	0 003	0.7	0 44	10 2	18.9	5 6
R21390	0.9	4.9	0 7	< 0.1	< 0.05	< 0 1	0.002	0 7	0 26	7 75	9 7	5.2
R21391	0 4	2.5	0.4	< 0.1	< 0.05	< 0.1	0.002	1.4	0.76	15 7	29.8	7 2
R21392	0 6	3 6	0 6	0.1	< 0 05	< 0 1	0 002	2 2	0 69	13 3	27 1	12.4
R21393	0.6	3 8	0 6	< 0.1	< 0 05	< 0.1	0.001	1 0	0 56	13.5	29.1	9 8
R21394	0.6	3.5	0 5	< 0 1	< 0 05	< 0.1	0.002	< 0.5	0 81	16 4	24 8	7 8
R21395	0.5	2 8	0.4	< 0.1	< 0 05	< 0 1	0.002	0 5	0.58	15 7	20.1	4.2
R21396	0.3	2.0	0.3	< 0.1	< 0.05	< 0 1	0.001	< 0 5	0 58	13.5	21.4	6 0
R21397	0.3	1.6	0 3	< 0 1	< 0.05	< 0.1	0.003	0.7	0 34	7.83	13.1	10.0
R21398	0 2	1 0	0.2	< 0 1	< 0.05	< 0 1	< 0.001	0.6	0 43	10.5	20.3	3.6
R21399	0.5	2 9	0.4	< 0 1	< 0 05	< 0.1	0.003	1.0	0 31	10.5	9.7	3 2
R21400	0 5	2 7	0.4	< 0 1	< 0.05	< 0.1	0.002	1 3	0.89	21.0	44.4	4.9
R21401	0.3	1 8	0 3	< 0.1	< 0.05	< 0.1	0.002	1 2	0 54	14.9	27.0	5 5
R21402	0.2	1 3	0.2	< 0 1	< 0.05	< 0 1	0 003	0.6	0 42	11 6	20.2	4 1
R21403	0 4	2 4	0 4	< 0 1	< 0 05	< 0.1	0 002	0.5	0.54	14.2	22.1	6 9
R21404	< 0 1	0 5	< 0.1	< 0.1	< 0 05	< 0 1	0.001	< 0 5	0.05	4.05	9 5	0.7

Analyte Symbol	Tm	Yb	Lu	Hf	Ta	W	Re	Au	Tl	Pb	Th	U
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm
Detection Limit	0.1	0.1	0.1	0.1	0 05	0.1	0 001	0.5	0.02	0.01	0.1	0.1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
R21405	0.5	2.7	0.4	< 0.1	< 0.05	< 0 1	0.003	0.5	0.62	14.1	28.2	4 7
R21406	0.4	2.5	0 4	< 0 1	< 0.05	< 0.1	0 002	1.3	0.57	16.8	35.2	11 3
R21407	0 4	2.2	0 3	< 0.1	< 0.05	< 0.1	0 001	< 0 5	0.38	10.3	11 5	3 8
R21408	0.6	3 4	0 6	< 0 1	< 0 05	< 0.1	0.001	0.8	0.35	11.0	15 8	7 5
R21409	0.2	1.2	0 2	< 0 1	< 0 05	< 0.1	< 0.001	1.3	0.33	10.5	16 9	3 6
R21410	0.4	2.1	0 3	< 0.1	< 0 05	< 0.1	0.001	0 6	0 58	10 9	24.7	4 4
R21411	0.4	2.2	0.3	< 0.1	< 0.05	< 0 1	0.001	0.7	0.60	12 7	30.6	3.3
R21412	0 3	1.5	0.2	< 0 1	< 0 05	< 0.1	0 002	0.7	0.60	12.9	38 3	2 5
R21413	0 3	1.6	0 2	< 0 1	< 0 05	< 0.1	0 002	< 0 5	0 60	11 5	29.8	2 5
R21414	0.3	1.6	0.2	< 0.1	< 0.05	< 0.1	0.002	0.5	0.49	9.48	20 7	2.3
R21415	0.2	1 0	0 2	< 0 1	< 0 05	< 0.1	0.001	< 0.5	0.51	6 35	14 0	1.5
R21416	0.4	2.0	0.3	< 0 1	< 0 05	< 0.1	0.002	< 0 5	0 34	6.49	13.6	2.4
R21417	0.5	3.0	0.4	< 0 1	< 0.05	< 0.1	0 002	1.3	0 67	11.9	35.6	3 0
R21418	0 5	3.2	0 5	< 0 1	< 0 05	< 0.1	0 002	1 7	0.57	19 3	37.7	4 2
R21419	0 6	3.5	0.5	< 0 1	< 0.05	< 0.1	0.003	1.0	0.67	11.3	24.2	4 9
R21420	0.4	2.2	0 3	< 0 1	< 0 05	< 0.1	0.002	7 3	0.58	10.2	27.9	2 0
R21421	0 3	1.8	0 3	< 0.1	< 0 05	< 0.1	0.002	1.0	0.57	10.8	26.1	1.9
R21422	0.3	1.6	0 2	< 0.1	< 0 05	< 0.1	0.003	0.9	0 31	5.97	5.9	2 2
R21423	0.3	1.6	0.2	< 0.1	< 0.05	< 0.1	0.001	1 2	0 28	3.10	4.6	1.8
R21424	0.4	2.1	0 3	< 0.1	< 0.05	< 0.1	0 002	0.8	0.62	11.6	17 1	4.4
R21425	0.3	2.0	0.3	< 0.1	< 0.05	< 0.1	0.002	0.9	0.47	10 6	13 7	4.2
R21426	0.4	2.3	0.4	< 0.1	< 0 05	< 0.1	0.002	0.6	0 49	9.23	10.8	2.5
R21427	0.3	1.7	0.3	< 0.1	< 0 05	< 0.1	0.002	0.8	0 36	5.79	4.8	2 1
R21428	0.3	1 6	0.2	< 0.1	< 0.05	< 0.1	< 0 001	8.3	0 35	7.33	12 5	2 7
R21429	0.3	1.9	0.3	< 0.1	< 0.05	< 0.1	0 002	2.5	1 02	18 6	37.0	2.5
R21430	0.3	1.8	0.2	< 0.1	< 0 05	< 0.1	0 001	2.8	0.86	12 5	31.7	2 5
R21431	0 2	1.3	0 2	< 0 1	< 0 05	< 0.1	0 001	< 0 5	0 19	6 40	10 9	1 5
R21432	0 3	1 8	0 2	< 0 1	< 0 05	< 0.1	0.001	0 8	0 45	8 14	10.5	1 7
R21433	0.3	1.7	0 3	< 0 1	< 0 05	< 0.1	< 0.001	< 0 5	0.15	4 81	3.0	1 8
R21434	0.6	3.4	0 5	< 0 1	< 0 05	< 0.1	0 002	< 0 5	0 34	5 83	8.1	2 4
R21435	0.3	1.5	0 2	< 0 1	< 0.05	1.0	0 002	0 5	0.16	15 2	3 1	1 2
R21436	0.3	1.4	0.2	< 0 1	< 0 05	< 0.1	0.002	1.5	0.42	6 22	8.7	1 2
R21437	0.4	2 1	0 3	< 0.1	< 0.05	< 0.1	0.002	1.1	0 75	11 0	26.2	1 9
R21438	0 4	2 2	0.4	< 0.1	< 0.05	< 0.1	0.001	1.0	0 53	10 7	26.0	2 6
R21439	0.3	1 7	0 3	< 0 1	< 0 05	< 0.1	0.001	3.0	1 04	20 3	51.8	3 2
R21440	0.4	2 4	0.4	0 1	< 0.05	< 0.1	0.003	1.5	0 73	11 4	24.6	3 3
R21441	0.4	2 2	0 4	< 0 1	< 0 05	< 0.1	0.001	0.7	0.63	11.9	23.6	2 2
R21442	0 4	2 4	0.4	< 0 1	< 0 05	< 0.1	0 002	1 1	0.34	6.20	9.3	2 0
R21443	0.6	3.4	0.5	< 0.1	< 0 05	< 0.1	0 004	2 4	0.56	13.5	14.9	3 5
R21444	0 5	2.5	0 4	< 0.1	< 0.05	< 0.1	0.002	2.4	0 69	11.6	29 2	2.1
R21445	0.3	1 9	0 3	< 0 1	< 0.05	< 0 1	0.003	< 0 5	0.38	5.34	11 2	1 5
R21446	0.6	3 5	0 5	< 0.1	< 0.05	< 0.1	< 0.001	1 8	0.15	4 53	4.6	2 3
R21447	0.2	1 3	0.2	< 0.1	< 0 05	< 0.1	0.001	< 0 5	0.18	5 58	3.7	1.2
R21448	0.4	2.4	0 4	< 0.1	< 0.05	< 0.1	0.002	1 8	0 99	15.2	43 3	2 4
R21449	0.3	1.5	0.2	< 0 1	< 0.05	< 0.1	0 002	1 9	1 08	15.7	45 7	1.9
R21450	0.4	2.2	0 3	< 0 1	< 0 05	< 0.1	0.002	0 9	0 81	14 6	35.6	2.4

Quality Control

Analyte Symbol	Li	Be	B	Na	Mg	Al	K	Bi	Ca	Sc	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Rb	Sr
Unit Symbol	ppm	ppm	ppm	%	%	%	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.1	0 1	1	0.001	0.01	0 01	0.01	0.02	0 01	0.1	1	0 5	1	0 01	0.1	0 1	0 01	0.1	0.02	0 1	0.1	0.1	0.1	0 5
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
GXR-1 Meas	4.9	0.8	11	0 032	0.13	0.35	0 03	1440	0 81	1 6	74	3.2	841	23 8	7 6	37.7	1060	737	4 19		373	16 2	2 3	189
GXR-1 Cert	8.20	1.22	15.0	0 0520	0.217	3.52	0 0500	1360	0 960	1 58	80 0	12 0	852	23 6	8.20	41.0	1110	760	13 8		427	16 6	14.0	275
GXR-4 Meas	10.1	1 6	2	0 138	1 59	2 96	1.76	19 7	0 89	7.3	82	50 6	139	3 07	14.2	40.2	6280	73.3	11 7		93.6	6.1	101	73 1
GXR-4 Cert	11.1	1.90	4 50	0 564	1 66	7 20	4 01	19 0	1 01	7.70	87 0	64 0	155	3 09	14.6	42.0	6520	73 0	20 0		98.0	5.60	160	221
GXR-6 Meas	29.5	1.1	5	0.072	0.44	8.62	1.31	0 19	0 16	28.3	185	79.7	1100	5 87	14 9	26 8	75 8	120	16 8		240	1.0	80.5	34 0
GXR-6 Cert	32 0	1.40	9 80	0.104	0 609	17 7	1.87	0.290	0 180	27 6	186	96.0	1010	5 58	13 8	27 0	66.0	116	35 0		330	0 940	90.0	35 0
OREAS 13b (4-Acid) Meas																2060	2160				45.2			
OREAS 13b (4-Acid) Cert																2247	2327				57			
R21377 Orig	37.1	0.5	< 1	0 068	1.36	2 83	0.90	0 05	0 60	7 3	76	34 7	613	3 91	19 1	31 6	91.7	126	11 1	0.3	< 0.1	0 4	95 3	47.4
R21377 Dup	38 6	0 6	< 1	0 054	1.36	2 80	0.91	0 05	0.56	7 1	79	35.4	622	4.01	19 7	32.1	95 2	129	11 2	0.4	< 0.1	0 4	97 3	40 3
R21391 Orig	48.5	0 7	3	0 087	1.32	3.49	0.81	0 08	0.50	7.1	62	38 0	390	3 19	15.5	40.9	111	148	11 9	0.5	< 0.1	1.0	120	46 4
R21391 Dup	53.6	0.7	4	0.076	1.49	3.92	0.88	0.08	0 53	7.8	69	41 8	420	3 33	15.9	42.9	116	159	13 1	0 6	1.9	0.6	122	47.4
R21404 Orig	8 5	< 0 1	< 1	0.033	0 35	0 73	0.17	0 04	0 37	1 8	23	49.6	154	1.25	4.6	5.9	10.6	30.0	4.05	0.1	0.7	< 0 1	13 8	38.3
R21404 Dup	9 5	< 0.1	< 1	0 039	0.38	0 78	0.19	0 04	0 42	1.8	28	55.7	164	1.35	5.1	6.7	11.2	32.1	4.32	0.1	1.8	< 0.1	15 0	42.3
R21418 Orig	36.0	0.6	< 1	0.047	1.07	3.28	0.67	0.06	0 27	6 5	69	32 2	1020	6 75	27.0	39.9	171	139	9.92	0 8	< 0.1	1 8	93.2	27.1
R21418 Dup	34 7	0 7	< 1	0 047	1 06	3.20	0.66	0.06	0 27	6 4	65	31 0	991	6 51	26.3	39.1	167	136	9.27	0 8	< 0.1	1 8	90.4	26 6
R21448 Orig	63 9	1 2	3	0.100	1.99	5.67	1 36	0.08	0.48	10.1	97	40.6	655	5.51	24.6	42.4	167	220	15 8	0.7	< 0.1	1.5	162	57 8
R21448 Dup	62 6	1 1	3	0 098	1.98	5.64	1 33	0.06	0.47	10 0	100	39.1	640	5 32	23.9	42.0	160	214	15 0	0.7	< 0.1	1.7	158	55 8
Method Blank Method Blank	< 0 1	< 0.1	< 1	< 0 001	< 0.01	< 0 01	< 0.01	< 0.02	< 0.01	< 0.1	< 1	< 0 5	< 1	< 0.01	< 0 1	< 0.1	< 0.01	< 0 1	< 0.02	< 0.1	< 0.1	< 0 1	< 0.1	< 0.5

Quality Control

Analyte Symbol	Y	Zr	Nb	Mo	Ag	Cd	In	Sn	Sb	Te	Cs	Ba	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	0.01	0.1	0.1	0.01	0.002	0.01	0.02	0.05	0.02	0.02	0.02	0.5	0.5	0.01	0.1	0.02	0.1	0.1	0.1	0.1	0.001	0.1	0.1	0.1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
GXR-1 Meas	27.2	17.1	0.5	18.0	29.4	2.37	0.72	24.6	98.5	13.8	2.76	197	4.4	11.6		6.17	2.3	0.5	3.6	0.7	4.41			0.3
GXR-1 Cert	32.0	38.0	0.800	18.0	31.0	3.30	0.770	54.0	122	13.0	3.00	750	7.50	17.0		18.0	2.70	0.690	4.20	0.830	4.30			0.430
GXR-4 Meas	12.1	10.2	0.4	320	3.57	0.16	0.20	5.63	3.98	0.95	2.51	25.3	50.4	94.9		37.0	5.9	1.3	4.5	0.5	2.65			0.2
GXR-4 Cert	14.0	186	10.0	310	4.00	0.860	0.270	5.60	4.80	0.970	2.80	1640	64.5	102		45.0	6.60	1.63	5.25	0.360	2.60			0.210
GXR-6 Meas	7.67	15.0	0.3	1.90	0.324	0.11	0.07	1.11	2.40	0.11	3.97	869	12.4	36.0		11.8	2.3	0.6	2.0	0.3	1.71			0.1
GXR-6 Cert	14.0	110	7.50	2.40	1.30	1.00	0.260	1.70	3.60	0.0180	4.20	1300	13.9	36.0		13.0	2.67	0.760	2.97	0.415	2.80			0.0320
OREAS 13b (4-Acid) Meas				8.85	0.820																			
OREAS 13b (4-Acid) Cert				9.0	0.86																			
R21377 Orig	14.4	3.7	0.7	2.28	0.141	0.11	0.03	0.82	< 0.02	< 0.02	1.79	228	121	212	28.7	92.8	11.2	1.6	6.6	0.6	3.12	0.6	1.4	0.2
R21377 Dup	14.5	5.1	1.8	2.38	0.145	0.13	0.02	0.84	< 0.02	0.06	1.82	228	126	218	29.6	94.9	11.0	1.5	6.3	0.6	3.11	0.5	1.4	0.2
R21391 Orig	32.5	5.6	2.8	1.06	0.322	0.22	0.03	0.92	< 0.02	< 0.02	3.56	326	195	243	46.9	158	20.4	3.0	13.0	1.3	6.27	1.2	3.0	0.4
R21391 Dup	34.3	6.3	2.8	1.10	0.343	0.25	0.03	1.04	< 0.02	< 0.02	3.59	335	206	265	51.5	177	23.2	3.2	13.7	1.3	6.57	1.2	3.2	0.5
R21404 Orig	4.37	1.8	3.1	3.66	0.002	< 0.01	< 0.02	0.49	< 0.02	< 0.02	0.52	32.5	19.9	44.3	4.8	16.7	2.8	0.5	1.9	0.2	1.15	0.2	0.5	< 0.1
R21404 Dup	4.56	2.0	3.2	4.03	< 0.002	< 0.01	< 0.02	0.50	< 0.02	< 0.02	0.54	37.3	22.1	48.1	5.3	17.8	2.8	0.5	1.8	0.2	1.15	0.2	0.6	< 0.1
R21418 Orig	43.3	2.6	1.0	3.59	0.522	0.20	< 0.02	0.58	< 0.02	0.02	1.91	184	287	573	73.5	243	32.0	4.5	18.7	1.8	8.68	1.6	4.1	0.5
R21418 Dup	41.5	2.3	1.0	3.54	0.523	0.24	< 0.02	0.59	< 0.02	< 0.02	1.94	185	283	557	72.9	243	31.3	4.4	18.8	1.8	8.61	1.6	4.1	0.6
R21448 Orig	29.2	5.2	1.5	1.05	0.253	0.27	0.03	1.13	0.05	0.05	2.66	477	260	558	64.5	208	25.3	3.1	14.4	1.3	6.24	1.1	2.9	0.4
R21448 Dup	28.0	5.1	1.1	1.02	0.259	0.24	0.03	1.03	< 0.02	0.07	2.61	498	259	557	63.5	205	25.0	3.1	14.1	1.3	6.11	1.1	2.9	0.4
Method Blank Method Blank	< 0.01	< 0.1	< 0.1	< 0.01	< 0.002	< 0.01	< 0.02	< 0.05	< 0.02	< 0.02	< 0.02	< 0.5	< 0.5	< 0.01	< 0.1	< 0.02	< 0.1	< 0.1	< 0.1	< 0.1	< 0.001	< 0.1	< 0.1	< 0.1

Quality Control

Analyte Symbol	Yb	Lu	Hf	Ta	W	Re	Au	Ti	Pb	Th	U
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm
Detection Limit	0.1	0.1	0.1	0 05	0 1	0 001	0.5	0.02	0.01	0.1	0.1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
GXR-1 Meas	2 0	0 3	0.1	< 0 05	163		3340	0.37	749	2.1	29 8
GXR-1 Cert	1.90	0.280	0 960	0.175	164		3300	0 390	730	2 44	34 9
GXR-4 Meas	0.8	0.1	0.3	< 0.05	13.0		536	3.00	50 1	22 0	4.7
GXR-4 Cert	1.60	0.170	6 30	0 790	30.8		470	3.20	52 0	22.5	6.20
GXR-6 Meas	0.7	< 0 1	< 0.1	< 0 05	< 0.1		42 9	2 04	108	7.0	0 9
GXR-6 Cert	2 40	0.330	4.30	0 485	1 90		95.0	2.20	101	6 30	1 54
OREAS 13b (4-Acid) Meas											
OREAS 13b (4-Acid) Cert											
R21377 Orig	1.1	0.2	< 0 1	< 0.05	< 0 1	0 001	0.7	0 56	10 6	23 8	3 7
R21377 Dup	1 1	0.2	< 0 1	< 0.05	< 0 1	0.002	1.0	0.56	10 4	22 9	3.7
R21391 Orig	2 3	0.4	< 0 1	< 0.05	< 0.1	0.002	1.1	0 73	14 9	27.5	7.1
R21391 Dup	2.6	0.4	< 0 1	< 0 05	< 0 1	0.002	1.6	0 79	16 5	32.1	7.2
R21404 Orig	0.5	< 0 1	< 0.1	< 0 05	< 0.1	0 001	1.3	0 05	4.12	9.7	0 7
R21404 Dup	0.4	< 0 1	< 0.1	< 0 05	< 0.1	0 001	< 0 5	0 05	3.98	9.3	0 7
R21418 Orig	3.2	0 5	< 0.1	< 0 05	< 0.1	0.002	1 5	0.57	19.2	37.7	4 1
R21418 Dup	3 3	0.5	< 0 1	< 0 05	< 0.1	0.001	1 8	0.57	19 3	37.7	4 2
R21448 Orig	2 4	0.4	< 0 1	< 0.05	< 0.1	0.002	2.1	0.98	15 2	40 4	2 4
R21448 Dup	2.4	0.4	< 0 1	< 0.05	< 0.1	0.001	1.5	1 00	15 3	46 1	2 4
Method Blank Method Blank	< 0.1	< 0.1	< 0.1	< 0.05	< 0 1	< 0 001	< 0 5	< 0.02	< 0.01	< 0 1	< 0 1

Quality Analysis ... **Actlabs** *Innovative Technologies*

Date Submitted: 03-Nov-10
Invoice No.: A10-7918
Invoice Date: 30-Nov-10
Your Reference: 30261-2 Azimut

Techni-Lab Abitibi Inc.(Actlabs)
184 Rue Principale
Ste-Germaine-Boule Quebec J0Z 1M0
Canada

ATTN: Andre Caouette

CERTIFICATE OF ANALYSIS

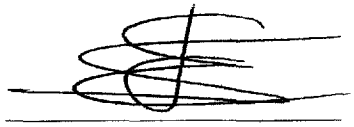
120 Pulp samples were submitted for analysis.

The following analytical packages were requested: Code 4F-LOI LOI
Code UT-1-0.5g Aqua Regia ICP/MS

REPORT **A10-7918**

Notes:
Assays are recommended for values >10,000 for Cu and Au.

CERTIFIED BY :



Emmanuel Eseme , Ph.D.
Quality Control

ISO/IEC 17025
SCC Accredited
LAB 266
LAB 266
Accrédité CCN

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Activation Laboratories Ltd. Report: A10-7918

Analyte Symbol	LOI	Li	Be	B	Na	Mg	Al	K	Bi	Ca	Sc	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Rb
Unit Symbol	%	ppm	ppm	ppm	%	%	%	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit		0 1	0 1	1	0.001	0 01	0 01	0.01	0.02	0 01	0.1	1	0.5	1	0 01	0.1	0 1	0 01	0.1	0.02	0 1	0.1	0.1	0 1
Analysis Method	GRAV	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
R21451	13.05	51.0	1 0	4	0.058	1.44	3.48	0.97	0.05	0.44	7.9	80	34.6	589	4 62	20.0	35 9	137	175	10.9	0 4	0 6	1.8	119
R21452	14 99	45.6	0.9	4	0.061	1.46	3.61	0.83	0.06	0 37	7 9	78	37 1	1170	6 43	23.6	31.8	151	166	11 6	0.5	0.9	2.0	108
R21453	11 37	34.9	0.7	3	0 058	1 35	3.35	0.79	0.06	0.37	5 8	62	33.8	479	4 56	17 8	27.5	87.7	130	9.19	0.3	0.5	1 3	87.4
R21454	16 04	51 9	1.1	5	0 089	2 12	5.32	1.29	0.06	0.44	8 2	92	41 8	1210	7 51	30 0	39.6	135	195	16 4	0.4	1.9	1.8	145
R21455	16.55	39.0	0.7	3	0 068	1.22	3 22	0.84	0.04	0 34	5.2	55	24 8	368	3 77	15.9	29.5	89 0	133	8.18	0.3	< 0.1	1.4	97.0
R21456	23.13	18.0	0.4	2	0.057	0 64	2.15	0.38	0 02	0 39	2.8	30	17.1	187	1.54	7.8	15.3	64 0	92 4	4.68	0.5	1.3	0 9	44.2
R21457	19.80	20.3	0.6	2	0.038	0 72	2 85	0 40	0.05	0 32	3.2	48	27.1	223	2 31	8.3	15 8	109	95 3	5 93	0.7	2.2	3 1	50.8
R21458	26.06	31.0	0.6	5	0 061	1.01	3.17	0 63	0 05	0 42	4 4	55	26 1	353	3 12	16.7	26 3	109	141	7.45	0.5	0.8	3.5	76.8
R21459	22.36	29 4	0 6	6	0 053	1.03	2.61	0.62	0 04	0.42	4 2	48	23 1	334	2.92	14.0	24.8	69.9	119	6.26	0.4	< 0 1	1 4	69.3
R21460	15.65	12.9	0.5	4	0 038	0 52	1.64	0 27	0.04	0.23	1 6	32	20.9	289	2 12	7.0	11.5	46 2	70 8	3.57	0 3	1.9	0.9	30.3
R21461	13 46	10 3	0 4	2	0 037	0 45	1.50	0 22	0.06	0.22	1.7	30	22.5	555	2 00	8.7	10 6	42 5	55.2	3.47	0.3	1.4	1.4	24 3
R21462	16.91	44.7	0 8	3	0 052	1.32	3 52	0.82	0 06	0.35	6 4	66	33.7	611	4 17	18.5	34 0	130	144	8 65	0 5	< 0.1	2.0	104
R21463	41.21	4.9	0.4	4	0.036	0.16	1.66	0.08	0.06	0 37	0.8	15	20 6	57	0 65	2.5	17 8	128	57.1	2 00	0.5	2.8	2 6	6 2
R21464	36 29	5 7	0 7	4	0.044	0.14	2.22	0.07	0 18	0.38	1.4	15	20 3	59	0 76	4.6	13.8	139	183	1 51	0.5	0 1	3 0	7.1
R21465	1 56	7 8	0 2	2	0.033	0 34	0.61	0.15	0 03	0.30	1.2	20	50.5	137	1 11	4.3	5.5	9 34	26.7	2 73	< 0.1	2.1	< 0.1	12 0
R21466	25 19	6 6	0.2	< 1	0.023	0.18	1.01	0.09	0.12	0 32	1.0	11	20 2	72	0.55	4.1	12.7	43 7	51 5	1.54	0.3	0.3	1.1	8.3
R21467	32 08	10.6	0.5	6	0.043	0 42	1.71	0.19	0 14	0 42	2.2	32	25 5	158	1.99	7.4	24.2	123	105	3.55	0 7	3 4	2.4	20 4
R21468	21 93	26 4	0 5	4	0.104	1.06	2 02	0.55	0.13	0.56	4.6	45	32 2	293	3.44	28 8	83.3	190	146	6.67	0.5	0 9	2.5	64.1
R21469	39 05	8 9	0 6	9	0.033	0.22	1 90	0.07	0 07	0.39	1 1	28	18 9	94	1 57	5.8	31 3	101	61 7	2.36	0.4	0 7	2 8	8.5
R21470	17 68	12 9	0 4	4	0.030	0 91	1.59	0.12	0 10	0.34	1.9	33	114	277	2 17	15 2	34 0	57.4	70.9	2 86	0.4	1 2	1 9	12.0
R21471	31 16	8 4	0 4	< 1	0.030	0 24	1.82	0.13	0 04	0 31	1.8	17	12 9	90	0 93	6.0	14 5	69 0	76.4	1 86	0.6	2.3	2 0	14.6
R21472	32 70	11 6	0.6	6	0.045	0.41	2.25	0.22	0 06	0.39	1.8	29	23.0	208	1 73	7.8	20.3	176	95.9	3 58	1.1	3.8	3 2	22.9
R21473	18.05	41 2	0.8	4	0.065	1.34	4.00	0.98	0.10	0.35	6.7	60	25.6	594	5 83	19.7	27.2	193	167	8 89	1 0	1 2	3 0	106
R21474	22.70	17 9	0 6	4	0.046	0.62	1.92	0.41	0.05	0.44	3 4	42	23 0	226	2.15	10.4	19.3	115	105	4.95	0.6	< 0 1	2 3	41.5
R21475	26 91	23.8	0.7	9	0.064	0.91	2.65	0 57	0 07	0 37	3.2	42	21.7	325	2.45	12.7	21.2	106	132	7.44	0.8	3 2	1 7	67.5
R21476	29.18	21 1	0 6	7	0 065	0.89	2 75	0 62	0.06	0 41	4.0	40	20 0	294	2.61	12.4	22.4	89 5	143	6.16	0.8	1.9	2.0	59 5
R21477	16.33	48.2	1.0	4	0 065	1.64	3.63	1 23	0 07	0 50	6 5	70	58 5	541	3 83	23 5	39 0	161	314	11.8	0.6	< 0 1	2 1	121
R21478	20 94	36 0	1 0	5	0 070	1 46	3.94	0 91	0 11	0.31	6 4	59	28 9	457	4 81	19.0	30.8	133	199	10.6	0.8	0 6	2.5	115
R21479	29 85	9 7	0 5	2	0.046	0.36	1.40	0.17	0.02	0 46	2 7	21	17 0	128	1.01	8.1	14.3	103	97 3	3.09	1.3	4 4	2.5	18 8
R21480	15.36	25.7	0 7	4	0 046	0 95	2.18	0.59	0.03	0 46	5.1	45	49 4	311	2.73	16.4	25.0	167	156	7 84	0.8	1 2	2.9	63 3
R21481	47.80	5 0	0 4	6	0 036	0.18	1 23	0.11	0.02	0 47	1.0	13	10 2	88	0.89	3 8	14.3	122	82 0	1.76	1.0	< 0 1	3.0	11 4
R21482	1.38	7 6	0.1	< 1	0.029	0.34	0 63	0.16	0 04	0.31	1.1	19	48 2	141	1.17	4.5	6.1	9.42	26 5	2 59	< 0.1	0.6	< 0 1	12.0
R21483	40 56	18 9	0.5	3	0.056	0.73	1.70	0.42	0.03	0.57	4 5	33	22 1	227	1 81	10.4	25.9	161	119	5 11	1.2	1.8	2 3	43.0
R21484	12.36	29.9	0.7	2	0.044	1.19	2.56	0.51	0 04	0.44	5.9	59	36 1	503	3 73	16.4	32.5	107	129	7.55	0.6	< 0.1	1.6	59.1
R21485	33.61	10.7	0.5	4	0 050	0 40	1 59	0.19	0.03	0.51	2.5	27	20.7	202	1 49	9.3	20.0	84 5	116	3 32	0.7	1.1	2 2	23.0
R21486	40.31	6.6	0 6	4	0.047	0 31	1.79	0.13	0.03	0.47	2.3	28	21.5	115	2 05	7.4	19.1	144	100	2.79	1.0	3.8	2 5	14.0
R21487	37 92	7.8	0.6	7	0.040	0.33	2.22	0 13	0.04	0 40	2.7	29	24 5	128	4.55	7 8	20.4	133	127	2 61	0.7	1.0	2.5	13.0
R21488	26.82	17 8	1.0	4	0.052	0.74	1.87	0.31	0 03	0 59	4.7	50	27.7	230	2.10	11.5	20.3	133	113	5 13	0.8	2.0	2 4	32.5
R21489	36 70	4.8	0.5	3	0.035	0.26	1.59	0.10	0 05	0 27	2.6	24	24 7	114	13.1	7.8	18.8	128	150	2 24	0.4	3 1	2.0	10.4
R21490	35.22	8 6	0 5	7	0.038	0.36	2 43	0.17	0.06	0 37	2 0	35	27 3	170	2.68	9.8	18 5	111	66.3	3.24	0.7	1 5	3.1	17 1
R21491	22.81	11.7	0 6	6	0 034	0.47	1.55	0.16	0 05	0 38	2.4	38	33 3	193	2 27	6.6	15.3	60 9	95.5	4.07	0.6	2 6	1 9	17.0
R21492	38 89	9.6	0 4	5	0 052	0.33	1.20	0.12	0.04	0.57	2.0	21	23 9	129	1.04	6.4	26.9	105	104	2 64	0.6	0.7	2 1	11 4
R21493	52 48	7.3	0 5	6	0 036	0.26	1.57	0.09	0.03	0.75	1 3	20	17 2	131	0.81	6.3	17.3	192	99.1	2 21	1.0	0.5	3 3	9 5
R21494	24 60	24.9	0 6	4	0.047	1.09	2.61	0.64	0.04	0.45	6 7	56	27.8	312	2.61	14.3	26.8	146	144	7.55	0.8	< 0.1	2 1	56 3
R21495	40.62	8.0	0 4	4	0 048	0 30	1.99	0 14	0.03	0 44	3 6	32	15 2	148	5.31	12 0	16 2	106	117	2 71	0.7	1.7	3 4	13.4
R21496	24.83	17.2	0 6	5	0.041	0.74	2.12	0 37	0.06	0 39	3.6	39	29 3	229	1.88	8.3	18.2	101	109	6 34	0.8	2.8	1 5	35.7
R21497	36 49	8.7	0.4	3	0 034	0.41	1.86	0.22	0.02	0.51	2.6	30	18.7	138	1.34	6 3	14.3	185	100	2 96	0.5	1 0	2.1	17 6
R21498	43.18	15.7	0.6	5	0 043	0.52	2.15	0 28	0.04	0.50	2.1	37	17 9	158	1 30	7 6	15.7	210	102	4.75	0.9	1 2	3.3	28.6
R21499	18.52	9 2	0.3	3	0.041	0.47	1.07	0.23	0.02	0.45	2.6	37	38 2	161	1 65	6.8	8 2	52 4	93.5	3 97	0 4	2 0	0 6	18.1
R21500	24.57	9.6	0 5	4	0 043	0.43	1.41	0 25	0.03	0 42	2.3	34	28 0	193	1 55	8 7	11.0	87 9	150	3.43	0.6	1 0	1 8	20.9
R21501	20.24	17.9	0 4	4	0 061	0.96	2.34	0.55	0.07	0.35	4.4	57	34 8	262	3 46	11.6	14 9	98.9	109	7 50	0.5	1 8	1 5	49.8
R21502	27 50	20 4	0 6	9	0 046	0.90	2.55	0 51	0.04	0.36	5.4	57	22.7	257	3 84	13.2	20 7	244	155	7 73	0.7	3 0	1.4	56.0

Analyte Symbol	LOI	Li	Be	B	Na	Mg	Al	K	Bi	Ca	Sc	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Rb
Unit Symbol	%	ppm	ppm	ppm	%	%	%	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit		0 1	0 1	1	0.001	0.01	0.01	0.01	0 02	0 01	0.1	1	0 5	1	0.01	0.1	0 1	0.01	0 1	0 02	0 1	0 1	0 1	0.1
Analysis Method	GRAV	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
R21503	9 04	15.3	0 4	2	0.033	0.66	1 35	0 36	0 03	0.44	4.0	47	31.0	217	2.15	7 6	12.7	64 8	98 3	4.91	0.4	0 5	0 7	31 4
R21504	46.92	5.1	0.9	7	0.036	0 21	1 78	0 10	0 04	0.45	1.3	24	22 2	89	1.39	5 3	14.1	112	67 7	2.17	0 9	< 0 1	2 5	9 6
R21505	53 55	3.0	0.8	10	0 034	0.09	1.63	0 04	0.02	0 56	0 7	15	12.5	47	0.60	3 1	16.8	111	67.4	1 70	0.8	< 0.1	3 5	4 5
R21506	47.81	6.9	0.7	4	0 027	0 27	1.91	0 13	0.03	0.51	1.8	24	17 7	98	1.18	7 2	21.3	138	145	2 53	1.1	0 7	2 9	13 0
R21507	25.73	9 1	0 7	6	0 037	0.44	1.40	0 13	0 02	0 57	2 2	35	33.9	150	1.11	5 4	13.4	72.4	70.5	4 23	0.6	1 8	1 7	13.2
R21508	1 51	6 8	0 1	< 1	0 026	0.33	0.60	0 14	0.03	0 28	1.0	19	45 5	137	1.15	4 3	5.5	9.17	27.4	2 73	< 0.1	1.2	< 0.1	11.3
R21509	45.53	2 5	1.1	4	0 037	0.15	1 77	0.04	0.02	0 40	2 9	21	15 4	67	1.53	4 8	11 5	141	63 3	1.89	1.4	0 8	3.5	4.0
R21510	39 21	4.7	0.5	5	0.052	0.25	1 58	0.11	0.10	0 27	1 4	24	35 4	95	1.18	4.1	13 1	82 2	58 9	3.01	0.6	7.3	2 3	9 9
R21511	41 50	7 9	0 4	6	0.039	0.33	1.75	0 13	0 03	0 38	1.6	22	17 2	161	1.41	6.8	15 5	70 2	71 1	2.67	0.5	1 2	1 2	13 4
R21512	7 68	53.6	1 0	5	0.068	2.23	4.51	1.36	0 06	0 53	9.7	100	34.8	876	4 92	28.2	36 3	173	212	17.8	0.8	0.7	0 5	126
R21513	24 46	13 4	0.7	3	0 037	0.51	1.88	0 29	0 03	0 30	3 1	25	16 1	140	1.17	6 4	13 5	72 8	91.5	4.40	0 6	< 0.1	1 6	33 7
R21514	4.61	60 3	0.9	4	0.079	2.61	5.13	1 46	0 09	0.80	10.9	110	41 7	1310	5.93	32.0	44 3	102	214	17.4	0 4	< 0 1	0 3	115
R21515	34.98	10.9	0.6	4	0.050	0 49	2.31	0.28	0 03	0.45	2.9	32	22 9	159	1.25	7.4	15.9	175	109	5.00	0.9	< 0.1	2 8	31.0
R21516	29.80	17.5	0.9	7	0.053	0.79	2.31	0 44	0 04	0.46	5.1	58	27.5	251	2 37	11.9	20 6	238	176	7.32	1 1	< 0.1	2 9	47.4
R21517	35.51	9 0	0 5	4	0.055	0.47	1.54	0.24	0 03	0.49	2.8	28	23 5	157	1 14	8.3	14 3	151	122	4.36	0.9	0.7	2 0	23 1
R21518	35.10	7 3	0.6	5	0 040	0.36	2.32	0 19	0.03	0.36	3.0	25	13 1	123	2 86	26.5	25.7	288	116	3.35	1.1	< 0 1	2.5	21 8
R21519	15.74	37.5	1.0	4	0.066	1.92	4.01	1 20	0.07	0.59	8 7	84	32 3	530	4 22	22.9	30 5	203	171	13.8	0.9	< 0 1	2 6	106
R21520	36.42	3.2	0 4	3	0.035	0.12	1 62	0 05	< 0.02	0.42	1.0	15	11 2	51	0.67	3.6	13.1	120	71 4	1.95	0.9	0 3	2.3	5 0
R21521	34.68	5 8	0 7	8	0.029	0 29	2 55	0.13	0.03	0 36	2.0	35	19.8	307	5.09	7 0	10.9	91.3	77 4	3 37	0 7	0.5	2.5	13.0
R21522	16 27	36.8	1.3	4	0 057	1.72	4 09	0 99	0 04	0 45	8 9	88	41.6	857	5.47	24 8	31.3	230	208	14.0	0.9	< 0.1	2.1	97.5
R21523	22.23	13.0	0.4	4	0 036	0.72	1.97	0 38	0 02	0.37	3 7	42	40 5	209	1.76	7.8	13 8	123	91.7	6 49	0.7	0 5	1 8	33 7
R21524	27.26	16.6	0.5	6	0 040	0.71	2.46	0 40	0 02	0 39	4 3	49	16 6	213	2.51	10 2	14.6	149	130	6.78	0.7	< 0.1	1 8	46.8
R21525	7.51	14 7	0.4	3	0 041	0.80	1.62	0 50	< 0.02	0.51	4.7	57	50 0	372	3 42	12.3	13 6	107	105	6.48	0 3	< 0 1	0.9	40.8
R21526	29.51	11 0	0.4	14	0 053	0.64	1.84	0.31	0.04	0.51	3.0	41	18 4	307	2 75	13.4	13 8	84 2	125	5.10	0.5	< 0 1	1 5	25.4
R21527	27.23	10 4	0.5	11	0.047	0.56	1.95	0 28	0.06	0.39	3.5	48	27 0	272	7.34	16.3	13 3	86 8	142	5.00	0.5	< 0 1	2.1	23.9
R21528	47.54	2 0	0.4	3	0.028	0 10	2 22	0 05	0.04	0 29	1.0	26	10 6	52	5.07	5.8	9 1	126	73 9	1.71	0 5	< 0 1	2 4	4.4
R21529	27.43	14 8	0 5	8	0.032	0 60	2 07	0.35	0.02	0.35	2.6	36	14 3	202	1 71	7 7	14 2	141	91 8	4.90	0.7	< 0 1	1 7	41.0
R21530	28 57	12.8	0 6	5	0 046	0.55	2.01	0 31	0 03	0.53	4 7	38	19.2	165	1.41	8.3	14 2	272	124	5.48	1.5	0.8	2 9	34 6
R21531	43 17	5 9	0.4	2	0 022	0.31	1 35	0 15	0 02	0.35	2.2	26	25 1	117	1 23	5.8	9.0	49.5	89 0	2.58	0 5	< 0 1	1 1	12 5
R21532	22 52	17 9	0.6	3	0.031	0.72	2 02	0.38	0 04	0 43	4.6	51	42 6	246	2 24	9.0	19.7	72.0	112	6.71	0 4	< 0.1	1.0	36 1
R21533	35.48	9 5	0.6	5	0.025	0 46	1 74	0 17	0 04	0.32	2 3	31	26 4	147	2 44	6 4	20.4	112	103	4 24	0.5	< 0 1	1 9	18 6
R21534	55 50	4.8	0 5	5	0.043	0 18	1 03	0.05	0 02	0 56	1 0	15	11 5	70	0.62	5.1	12 9	118	78.6	1.66	0.8	< 0 1	3 0	5 9
R21535	40.11	7.7	0 5	2	0.032	0 36	2.13	0 15	0.04	0 39	2 8	28	29 2	139	2.85	13.4	30 6	193	118	3 08	1 3	< 0.1	3 0	15 3
R21536	1 75	6.8	0 2	< 1	0.025	0.34	0.65	0.14	0 04	0 31	1 1	22	50 3	149	1.25	4 3	5.9	10 0	24.9	3 11	< 0 1	< 0 1	< 0.1	11 6
R21537	39 53	15.5	0 6	6	0 042	0.53	2.03	0.23	0 06	0.39	2 1	40	32 6	171	1.58	8.7	40 8	200	121	5 11	0 8	< 0 1	3 8	30 0
R21538	24.43	9.5	0.4	3	0.030	0.48	1 52	0.16	0 04	0.44	2.0	34	42 5	164	1.37	5.8	13.1	45 0	88.2	4 27	0.3	< 0.1	1 6	14.5
R21539	30.85	4 1	0.7	5	0 026	0.13	1 89	0 04	0.02	0.38	1.3	14	12 6	52	1 08	3.3	12 2	95 2	69.2	1 64	0.7	< 0 1	2.6	6 2
R21540	36.95	7.0	0 5	7	0.025	0 31	1.85	0 12	0.05	0 35	1.8	31	22 0	118	1 53	4.9	16.5	92.9	71 6	2 96	0 7	< 0 1	1 9	13.0
R21541	24.79	15 1	0 5	7	0 038	0.75	1 68	0 30	0 02	0 41	3 6	37	31 5	208	1.79	8.2	21.8	82 7	85 8	5.73	0 4	< 0 1	1 3	33.6
R21542	17 13	13 5	0 6	3	0.034	0 57	1 96	0.24	0 05	0.37	3 0	41	36 5	218	2.10	9 0	19.6	143	107	4.45	0 6	< 0 1	2 4	25 4
R21543	31.85	13 9	0.5	5	0 037	0.41	1.79	0 21	0.04	0 37	2.0	28	23 1	140	1.19	7.8	25 3	173	78 0	3.35	0 6	< 0.1	2 5	31 7
R21544	22.08	14.0	0.6	3	0.036	0 57	2 22	0 23	0 07	0.28	2 4	40	36 1	209	1.85	8.6	27 5	184	97 9	4.88	0 5	< 0.1	3 3	30.2
R21545	21.59	13 2	0.5	2	0.033	0 39	1.48	0 17	0 05	0.36	2 1	24	29 7	136	1 03	6.5	25 0	100	130	2.86	0 4	< 0.1	1 9	21 5
R21546	16 49	26.8	0.3	3	0 042	0.83	2.00	0 43	0.09	0.32	3 4	40	32.2	274	2 13	12 5	48 3	120	282	5 91	0.3	< 0 1	1.1	64 0
R21547	22 99	35.9	0 6	3	0.060	1.11	2 74	0 66	0.06	0.44	5.2	53	41 4	336	2 64	15.0	44 9	213	190	9.12	0.7	< 0.1	2.4	79 7
R21548	17.74	16 6	0.6	4	0.043	0 66	2 46	0 28	0.08	0 33	3.4	53	38 6	242	3 37	9 1	15 6	105	107	6 22	0.6	< 0 1	2.1	33.0
R21549	32 93	6 5	0.6	6	0.031	0.31	2.28	0.10	0 06	0 37	1.4	38	81.8	330	3.87	25.2	48 1	173	87.3	2 65	0 5	< 0 1	3.1	13 0
R21550	17.98	22 2	0.5	3	0 048	1.26	1.72	0.30	0 06	0.55	4 0	44	134	268	2.20	17.4	61 3	93 8	171	5 63	0.4	< 0.1	1.4	34.7
R21551	22.22	14.5	0.5	3	0.048	0.55	1 56	0 25	0 04	0 43	3.0	35	47 6	191	1 37	8 7	20 1	102	165	4.91	0 5	0 4	1 9	28.5
R21552	34.04	5.1	0 5	2	0 031	0 20	2 05	0 09	0 03	0 26	1 1	20	20 0	77	0.87	3 9	12.6	142	67.5	2 26	0.8	< 0.1	2.5	10.9
R21553	32 11	16 4	0 4	2	0 024	0.40	1 54	0 19	0 02	0.27	1 6	20	22 2	122	0.92	5 4	16.9	103	127	3 19	0 5	< 0.1	1 9	32 0
R21554	22 30	10 9	0.6	6	0 039	0.42	2.10	0 22	0.05	0 25	3 1	39	46 4	655	9 38	50 4	24 0	145	141	4 23	0.7	< 0 1	3.6	28.4

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Analyte Symbol	LOI	Li	Be	B	Na	Mg	Al	K	Bi	Ca	Sc	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Rb
Unit Symbol	%	ppm	ppm	ppm	%	%	%	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit		0.1	0.1	1	0.001	0.01	0.01	0.01	0.02	0.01	0.1	1	0.5	1	0.01	0.1	0.1	0.01	0.1	0.02	0.1	0.1	0.1	0.1
Analysis Method	GRAV	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
R21555	7.08	13.7	0.5	2	0.038	0.58	1.49	0.25	0.04	0.38	3.7	48	56.5	313	3.61	11.7	13.2	63.6	95.4	4.81	0.4	< 0.1	0.9	29.8
R21556	6.33	23.5	0.6	2	0.048	1.18	2.31	0.56	0.05	0.58	5.7	71	34.1	407	3.62	26.2	23.5	91.3	150	9.84	0.3	< 0.1	0.9	59.5
R21557	21.99	9.7	0.4	2	0.027	0.38	1.46	0.15	0.02	0.32	1.4	29	22.6	157	1.59	10.7	13.7	126	90.9	3.13	0.3	< 0.1	1.4	18.8
R21558	14.94	13.1	0.5	1	0.039	0.61	2.01	0.24	0.04	0.39	3.1	49	35.6	275	4.05	10.8	12.9	85.5	90.6	5.63	0.5	< 0.1	1.9	27.7
R21559	20.92	12.7	0.7	4	0.028	0.43	2.14	0.22	0.03	0.23	2.5	38	21.9	227	2.16	8.6	11.4	102	112	4.05	0.6	< 0.1	2.5	32.7
R21560	30.85	10.4	0.4	12	0.042	0.39	1.43	0.18	0.02	0.85	1.9	29	20.8	392	3.55	15.0	14.5	73.4	87.5	2.90	0.5	< 0.1	1.7	19.7
R21561	36.61	6.8	0.6	5	0.027	0.28	2.04	0.12	0.03	0.33	1.5	29	19.1	115	2.77	6.3	13.7	137	96.5	2.50	0.8	< 0.1	2.9	14.5
R21562	29.28	14.3	0.6	5	0.033	0.52	2.28	0.26	0.04	0.33	2.4	37	23.1	188	2.09	8.2	16.1	100	87.5	4.55	0.6	< 0.1	2.1	35.0
R21563	13.35	34.1	0.9	2	0.050	1.30	3.21	0.71	0.04	0.35	5.8	69	31.5	434	4.18	17.8	25.0	147	145	10.4	0.5	< 0.1	1.9	99.7
R21564	21.52	33.8	0.9	4	0.065	1.43	3.60	0.78	0.06	0.33	5.3	70	30.9	445	6.90	21.4	24.7	121	165	11.6	0.7	< 0.1	2.1	101
R21565	27.41	16.8	0.9	9	0.051	0.59	2.09	0.32	0.04	0.36	2.6	37	23.9	180	1.70	7.0	18.1	137	99.9	5.09	0.6	< 0.1	2.2	45.6
R21566	19.42	17.2	0.8	3	0.039	0.62	2.52	0.32	0.04	0.26	3.1	42	28.1	398	3.46	14.0	15.2	112	106	5.18	0.6	< 0.1	3.1	44.2
R21567	19.32	20.7	0.8	3	0.047	0.86	2.30	0.44	0.06	0.40	3.8	48	44.0	333	2.49	11.4	19.7	101	153	6.43	0.6	< 0.1	1.7	49.8
R21568	25.52	8.9	0.7	4	0.034	0.38	1.60	0.15	0.03	0.36	2.0	37	28.9	145	2.41	5.5	13.4	72.2	92.5	3.64	0.4	< 0.1	1.8	16.7
R21569	1.35	7.4	0.1	< 1	0.027	0.32	0.61	0.14	0.05	0.31	1.1	20	74.0	137	1.11	4.3	6.0	9.20	23.1	2.86	< 0.1	< 0.1	< 0.1	12.1
R21570	14.28	18.9	0.5	1	0.032	0.76	2.04	0.37	0.06	0.30	3.8	53	31.1	384	5.24	13.4	16.7	74.6	108	5.78	0.3	< 0.1	1.9	47.0

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Analyte Symbol	Sr	Y	Zr	Nb	Mo	Ag	Cd	In	Sn	Sb	Te	Cs	Ba	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er
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	0.5	0.01	0.1	0.1	0.01	0.002	0.01	0.02	0.05	0.02	0.02	0.02	0.5	0.5	0.01	0.1	0.02	0.1	0.1	0.1	0.1	0.001	0.1	0.1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
R21451	44.5	20.1	5.6	2.8	1.70	0.228	0.24	0.03	0.90	0.02	< 0.02	2.01	313	178	274	42.5	133	15.1	2.0	8.5	0.9	4.38	0.8	1.9
R21452	38.7	25.9	4.4	2.3	1.93	0.303	0.17	0.03	0.84	0.02	0.05	1.89	261	228	401	54.3	170	19.4	2.5	10.8	1.1	5.31	1.0	2.5
R21453	35.2	16.1	4.0	2.5	1.43	0.127	0.12	0.02	0.73	< 0.02	< 0.02	1.69	226	142	255	32.3	105	12.5	1.7	8.5	0.8	3.82	0.7	1.6
R21454	45.9	17.3	7.7	3.2	1.73	0.278	0.17	0.03	1.02	< 0.02	< 0.02	2.47	414	176	262	38.7	125	13.8	1.8	8.4	0.8	3.70	0.6	1.6
R21455	29.7	15.8	3.9	2.6	0.90	0.503	0.24	< 0.02	0.62	< 0.02	< 0.02	1.68	266	170	249	35.5	110	12.0	1.6	7.4	0.8	3.56	0.6	1.5
R21456	31.5	22.5	2.5	1.7	0.53	0.255	0.34	< 0.02	0.31	< 0.02	< 0.02	0.83	148	249	400	58.9	194	21.7	2.9	13.1	1.2	5.15	0.9	2.1
R21457	26.8	40.3	2.1	1.8	2.10	0.226	0.17	< 0.02	0.44	< 0.02	< 0.02	1.02	137	348	677	82.7	274	30.7	4.3	18.0	1.7	8.07	1.4	3.7
R21458	30.1	31.3	2.9	2.7	1.31	0.877	0.55	< 0.02	0.55	0.02	< 0.02	1.40	199	343	454	68.9	209	22.0	3.0	12.7	1.3	5.46	1.1	2.7
R21459	28.5	19.9	3.1	2.5	1.00	0.367	0.34	< 0.02	0.55	< 0.02	< 0.02	1.35	185	192	302	42.5	134	15.8	2.2	10.3	1.0	4.67	0.8	1.9
R21460	18.1	19.2	1.0	0.8	1.57	0.094	0.19	< 0.02	0.33	0.03	< 0.02	0.71	91.4	119	225	31.0	104	13.4	2.0	9.3	0.9	4.28	0.7	1.9
R21461	18.6	19.0	1.0	0.9	1.34	0.127	0.12	< 0.02	0.34	0.04	< 0.02	0.58	75.0	122	245	30.2	99.9	12.7	1.8	8.5	0.8	4.01	0.7	1.8
R21462	30.8	36.5	3.2	2.4	2.02	0.363	0.21	< 0.02	0.69	< 0.02	< 0.02	2.01	242	244	492	58.5	189	23.9	3.6	16.8	1.7	8.22	1.4	3.5
R21463	25.0	34.8	0.9	1.4	4.08	0.306	0.43	< 0.02	0.21	0.07	< 0.02	0.61	53.1	186	345	51.8	187	25.9	3.5	17.0	1.6	7.53	1.3	3.1
R21464	27.4	34.3	1.4	1.1	3.69	0.375	1.06	< 0.02	0.19	0.26	< 0.02	1.18	62.0	211	384	51.9	176	22.4	3.3	15.2	1.6	7.61	1.3	3.2
R21465	28.8	3.43	1.8	3.2	3.46	0.009	0.04	< 0.02	0.45	< 0.02	< 0.02	0.43	26.9	17.5	39.6	4.1	13.8	2.2	0.4	1.4	0.2	0.909	0.2	0.4
R21466	22.7	14.7	0.9	1.5	1.93	0.581	0.14	< 0.02	0.16	< 0.02	< 0.02	0.73	64.7	103	183	26.2	88.9	11.8	1.8	7.8	0.8	3.74	0.6	1.5
R21467	27.4	43.8	1.8	2.0	5.71	0.344	0.35	< 0.02	0.32	0.06	< 0.02	1.35	85.6	280	442	73.6	267	34.6	4.6	21.1	2.0	9.00	1.5	3.9
R21468	40.9	24.2	8.2	3.2	15.9	0.471	0.32	< 0.02	0.56	0.45	< 0.02	4.86	18.5	201	280	50.1	171	20.3	2.4	10.5	1.0	4.63	0.8	2.0
R21469	23.8	30.7	1.0	1.6	2.76	0.318	0.41	< 0.02	0.21	0.04	< 0.02	0.85	72.7	209	336	51.0	171	21.6	3.0	13.6	1.4	6.75	1.1	2.8
R21470	22.2	29.0	0.9	1.1	4.16	0.132	0.29	< 0.02	0.27	0.05	< 0.02	1.00	44.3	177	287	42.7	147	19.2	2.9	13.3	1.3	5.97	1.0	2.6
R21471	23.7	41.6	1.2	1.2	2.29	0.256	0.25	< 0.02	0.17	< 0.02	< 0.02	0.67	62.6	274	455	70.3	251	33.3	4.6	21.3	2.0	9.56	1.6	4.0
R21472	24.4	55.8	1.4	1.8	4.73	0.354	0.57	< 0.02	0.32	0.04	< 0.02	1.14	81.3	493	766	119	427	51.3	6.9	30.5	2.7	11.9	2.0	4.9
R21473	35.4	49.7	3.2	3.0	4.91	0.678	0.25	0.02	0.64	0.03	< 0.02	2.63	279	474	885	114	386	48.5	6.2	30.3	2.8	12.4	2.1	4.9
R21474	26.3	29.7	2.5	2.4	2.43	0.255	0.38	< 0.02	0.44	0.04	< 0.02	0.91	112	298	397	71.1	226	24.9	3.1	13.6	1.4	6.30	1.1	2.7
R21475	27.5	34.5	3.0	2.6	1.54	0.536	0.31	< 0.02	0.48	< 0.02	< 0.02	1.43	203	364	441	85.5	284	31.9	3.6	16.8	1.5	8.93	1.2	3.0
R21476	28.3	34.3	3.1	2.6	1.45	0.406	0.31	< 0.02	0.49	0.02	< 0.02	1.18	152	374	558	85.3	296	34.7	4.3	22.0	1.9	8.36	1.4	3.3
R21477	35.4	27.7	7.1	4.1	8.51	0.344	1.21	0.02	0.82	0.03	< 0.02	2.20	236	244	295	57.3	187	21.7	2.7	11.9	1.1	5.36	0.9	2.3
R21478	25.8	43.1	6.4	3.8	6.73	0.722	0.40	0.02	0.72	0.03	< 0.02	2.40	194	385	400	86.1	294	35.7	5.2	22.7	2.1	9.37	1.6	3.9
R21479	29.4	54.8	2.2	1.8	3.09	0.299	0.37	< 0.02	0.21	< 0.02	< 0.02	0.46	72.5	555	634	135	465	53.8	6.8	29.1	2.6	11.3	2.0	4.9
R21480	29.1	27.9	6.7	4.0	8.09	0.656	0.37	< 0.02	0.65	0.03	< 0.02	1.28	224	394	380	87.9	293	31.9	3.6	16.1	1.4	5.93	1.0	2.4
R21481	24.4	38.5	1.4	0.9	1.71	0.492	0.40	< 0.02	0.14	0.03	< 0.02	0.34	63.7	369	481	110	364	41.2	4.9	20.2	1.6	8.64	1.4	3.4
R21482	26.3	3.28	1.9	3.0	3.84	0.012	0.04	< 0.02	0.43	< 0.02	< 0.02	0.45	27.1	19.2	39.8	4.0	13.6	2.2	0.4	1.6	0.2	0.971	0.2	0.4
R21483	30.3	36.4	4.9	2.5	2.36	0.527	0.40	< 0.02	0.42	< 0.02	< 0.02	1.01	148	552	557	123	415	48.2	5.9	27.0	2.2	8.98	1.5	3.4
R21484	26.0	35.5	2.6	2.4	5.17	0.179	0.24	0.02	0.64	< 0.02	< 0.02	1.52	139	233	507	61.2	205	25.4	3.6	16.9	1.7	7.78	1.4	3.4
R21485	24.1	36.6	1.9	1.5	4.75	0.388	0.52	< 0.02	0.25	0.02	< 0.02	0.58	73.1	319	419	76.1	266	30.4	3.7	16.5	1.5	7.05	1.2	3.1
R21486	23.9	46.0	1.6	1.3	2.81	0.485	0.40	< 0.02	0.23	< 0.02	< 0.02	0.42	46.5	455	646	110	381	44.4	5.9	25.2	2.2	9.85	1.7	4.3
R21487	17.8	31.2	2.1	1.5	2.93	0.414	0.42	< 0.02	0.22	< 0.02	< 0.02	0.48	47.6	349	521	70.5	229	26.4	3.7	17.1	1.5	6.96	1.2	2.9
R21488	30.9	38.5	3.8	2.4	3.05	0.514	0.43	< 0.02	0.42	< 0.02	< 0.02	0.84	102	352	497	85.3	302	35.9	4.8	20.0	1.8	8.27	1.4	3.6
R21489	11.3	21.8	3.8	1.4	2.51	0.305	0.62	< 0.02	0.19	0.09	< 0.02	0.33	29.2	171	270	37.8	123	14.6	2.1	9.6	0.9	4.28	0.7	2.0
R21490	18.7	31.8	2.0	1.6	5.02	0.572	0.33	< 0.02	0.41	0.03	< 0.02	0.67	90.0	301	536	72.2	250	29.9	4.2	18.1	1.7	7.48	1.3	3.0
R21491	18.9	44.9	1.7	2.1	7.43	0.188	0.34	< 0.02	0.46	0.03	< 0.02	0.62	48.7	263	363	66.3	227	28.4	3.9	16.9	1.7	8.12	1.5	4.0
R21492	28.7	22.3	1.7	1.3	2.37	0.344	0.48	< 0.02	0.26	0.04	< 0.02	0.47	61.0	284	380	65.0	211	22.2	3.0	12.0	1.1	4.88	0.8	2.0
R21493	29.0	32.8	1.2	1.0	2.11	0.540	0.72	< 0.02	0.17	< 0.02	< 0.02	0.37	61.0	489	632	114	381	42.0	5.1	23.4	2.1	8.58	1.4	3.2
R21494	28.7	24.3	4.9	3.0	3.16	0.331	0.50	0.02	0.66	< 0.02	< 0.02	0.97	164	343	492	65.3	291	33.5	4.1	19.2	1.6	6.42	1.0	2.5
R21495	18.5	22.1	2.2	1.2	3.57	0.570	0.56	< 0.02	0.22	0.02	< 0.02	0.34	72.4	385	473	77.0	242	23.4	2.8	12.1	1.1	4.70	0.8	2.0
R21496	24.6	30.5	2.8	2.0	3.41	0.213	0.15	< 0.02	0.52	0.04	< 0.02	0.92	110	317	505	78.8	274	31.0	3.9	17.0	1.4	6.10	1.1	2.7
R21497	22.1	14.3	1.7	1.7	1.85	0.354	0.56	< 0.02	0.24	< 0.02	< 0.02	0.31	99.2	288	433	61.8	195	20.2	2.5	12.0	0.9	3.66	0.6	1.4
R21498	29.6	23.4	1.7	1.8	2.03	0.631	0.75	< 0.02	0.35	0.03	< 0.02	0.55	123	451	563	96.9	313	30.9	3.7	15.0	1.2	5.20	0.8	2.1
R21499	20.9	10.9	1.3	1.6	4.10	0.103	0.18	< 0.02	0.31	< 0.02	< 0.02	0.35	72.4	176	245	39.4	125	12.5	1.6	7.0	0.6	2.34	0.4	1.0
R21500	20.0	17.6	1.0	1.2	3.37	0.281	0.73	< 0.02	0.33	< 0.02	< 0.02	0.36	99.7	322	403	66.1	199	19.4	2.2	10.4	0.9	3.86	0.6	1.5
R21501	19.0	13.3	2.4	2.8	5.70	0.518	0.24	0.02	0.65	0.09	< 0.02	0.69	180	242	288	51.0	160	16.4	2.0	9.2	0.7	3.08	0.5	1.2
R21502	19.0	20.3	3.6	2.7	4.98	0.470	0.35	< 0.02	0.57	0.04	< 0.02	0.70	110	331	328	74.1	245	25.4	3.2	12.5	1.0	4.26	0.7	1.9

Analyte Symbol	Sr	Y	Zr	Nb	Mo	Ag	Cd	In	Sn	Sb	Ta	Cs	Ba	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er
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	0.5	0.01	0.1	0.1	0.01	0.002	0.01	0.02	0 05	0.02	0.02	0.02	0 5	0.5	0.01	0 1	0.02	0 1	0 1	0.1	0.1	0.001	0.1	0.1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
R21503	18.7	15 0	2 3	1.8	3 63	0.109	0 20	< 0.02	0.46	< 0 02	< 0.02	0.45	113	189	302	47.1	147	15.5	1.8	8 3	0.8	3.35	0.6	1.4
R21504	20.2	26.1	1.2	1 0	3.51	0.405	0.61	< 0.02	0 20	0.04	< 0.02	0.31	61.3	473	611	102	337	35.9	4 2	20 7	1.6	6.45	1 0	2.4
R21505	23.5	25.8	0.7	0 9	2.12	0.435	0.42	< 0.02	0 12	0 02	< 0.02	0.17	60.3	348	436	97.2	304	31.7	3.6	17 6	1.2	5 72	1 0	2 4
R21506	25 6	27.7	1.7	1.4	2.77	0.379	0.61	< 0.02	0 22	0.02	< 0 02	0.40	79.4	538	733	124	418	43.9	5 0	24 2	1.9	7.35	1.2	2.7
R21507	31 6	21.7	1.6	1 9	2 13	0.191	0 28	< 0.02	0.36	< 0.02	< 0.02	0.43	61.2	277	370	64.2	211	22 9	3 0	11.8	1.0	4.42	0 8	1.9
R21508	23.7	3.32	1.8	3.0	3 62	0.007	0.04	< 0.02	0.41	< 0.02	< 0.02	0.46	24.5	18 4	39 4	4.0	14.4	2.4	0.4	1 7	0.2	0 955	0 2	0.4
R21509	24.8	60.5	1 4	0 8	1 94	0 557	0.29	< 0.02	0.09	< 0.02	< 0.02	0 33	32.2	522	839	155	564	71.2	12 1	39 3	3.4	14 1	2 3	5 5
R21510	19.1	18.7	1.1	1 1	3.14	0 315	0.27	< 0 02	0 54	0 12	< 0.02	0.50	87 0	257	495	71.5	244	28 5	3.6	13.5	1.1	4.47	0.7	1 8
R21511	20 8	14.9	1.8	1 5	1.91	0.281	0.33	< 0.02	0 23	0.02	< 0.02	0 42	83.5	241	391	57.5	194	22.4	3.0	12 9	1.0	3.97	0.6	1.4
R21512	44 8	20.3	5.9	1 8	1.61	0.498	0.11	0.04	1 15	< 0.02	< 0 02	2.38	443	284	537	74.8	265	31 5	3.7	15 4	1 1	4 77	0.8	1.9
R21513	27 3	28.7	3 5	1 5	1.21	0.212	0.20	< 0 02	0.31	< 0 02	< 0 02	1.08	126	233	371	61.2	209	27 5	3 9	16 6	1.5	6 54	1.1	2.6
R21514	64.7	16 4	13 9	1.4	2.24	0 187	0 21	0.04	1.41	< 0 02	< 0 02	2.40	475	168	257	31.7	102	12 6	1 8	9.3	0.8	3.67	0.6	1.5
R21515	30.5	27 9	3 2	2.1	2.40	0.428	0.37	< 0 02	0.18	0 03	0.06	0 84	128	382	582	98.3	351	41 0	5.2	21 2	1.6	6.22	1.0	2.4
R21516	30.4	37.4	3.5	2 5	4.11	0.386	0.64	< 0.02	0.40	0 03	0.04	1 00	168	522	576	126	432	47 7	5.9	24 2	1.7	6.97	1.2	3 0
R21517	29 1	24.7	2.7	1 7	2.25	0.339	0.45	< 0.02	0.26	0 04	0.03	0 57	95.7	408	383	94 8	338	36 6	4 8	19.7	1.4	5.16	0 8	2 1
R21518	26 7	33.4	2.6	1 4	6.65	0 572	0.28	< 0.02	0.09	< 0 02	0.04	0 85	41.8	467	726	116	430	51 3	7 1	28 9	2.0	7.63	1.2	3 0
R21519	41.2	24 2	8.6	5 1	3 39	0.406	0.19	0 03	0.83	< 0.02	0.05	2.00	317	358	486	89.6	327	39 0	5.8	22.7	1.6	6.01	0 9	2 2
R21520	28.3	22.3	1 2	0 9	1 35	0.299	0.31	< 0 02	0.09	< 0 02	< 0 02	0 15	55 0	399	504	98.4	323	33 5	4.0	17.0	1.2	5.02	0.8	2.1
R21521	16.7	21 8	1 8	1 3	3 39	0.412	0.51	< 0 02	0 09	0 03	< 0 02	0.36	88 9	335	644	75.9	263	29 3	3.5	18.6	1.3	5.15	0.8	2.0
R21522	33 5	26.8	5 7	3 9	3 56	0.601	0.48	0 03	0.79	0.02	0.07	1 64	326	404	598	101	339	38.0	4.4	20 6	1.6	6.34	1.0	2.5
R21523	20.6	19.2	2 0	2 0	4.13	0.346	0.46	< 0 02	0 32	< 0.02	0.02	0 50	118	273	427	72.1	241	27.0	3.2	14 9	1.1	4.40	0.7	1.8
R21524	22.0	20.9	2.3	2 4	3 27	0 509	0.33	< 0 02	0 29	0 04	0.04	0.56	164	371	453	81 8	267	26.8	3 1	13 4	1 0	4.37	0.7	1.8
R21525	22.6	11 9	3.3	2 7	6 88	0 235	0.24	< 0 02	0.40	< 0 02	0.05	0.51	146	109	163	29 5	94.8	11.4	1 5	6 7	0.6	2.57	0.4	1.1
R21526	26.5	16.3	1.8	2.3	5 07	0 374	0.40	< 0.02	0.32	0 03	0.03	0.49	98 8	276	346	57.4	185	19.5	2 5	11 9	0.9	3 52	0.6	1.4
R21527	21.1	16.8	3 1	2 2	9 54	0 332	0.36	< 0 02	0.32	0.13	< 0.02	0.46	48.1	253	327	54.9	173	17.8	2 2	10 2	0.8	3.30	0 6	1.5
R21528	16.3	13.9	1 4	0 8	1 90	0.418	0 38	< 0.02	< 0 05	0.05	< 0.02	0.15	44.4	299	469	57.5	177	17.7	2 3	11 4	0.8	3.21	0 5	1 3
R21529	20 8	18.0	1.3	1.6	1 52	0 401	0.32	< 0.02	0 22	< 0.02	0 05	0.62	161	370	376	81.7	267	27.6	3 4	14 8	1.2	4.53	0 7	1 8
R21530	30.6	35 0	5 3	2.1	2 91	0.673	0 74	< 0 02	0 30	0.03	0.04	0.62	110	642	681	167	561	61 5	6 7	28 2	2 0	7.81	1 3	3 3
R21531	17.8	15 7	0.9	1.2	4 00	0 159	0.40	< 0.02	0 09	0.03	< 0.02	0.31	66.6	264	314	60.7	199	22 0	2 7	13 5	1.0	3.79	0 6	1 5
R21532	30.5	21.2	2 7	2.1	5 29	0 095	0.24	< 0.02	0.38	0.02	0.04	0.84	124	147	239	43.3	146	17 8	2 3	9 8	0.9	4 06	0 7	1 9
R21533	16.7	22.2	1 7	1.3	2 77	0 308	0.41	< 0.02	0 19	0.03	< 0 02	0.72	71.7	235	315	61.0	204	23 6	3 1	13 3	1.1	4 49	0 8	2 0
R21534	25.0	25 9	1 1	0.9	2 21	0.281	0.52	< 0 02	0 16	0.03	< 0.02	0.33	49.6	353	471	85.2	267	28 9	3 3	15 6	1 2	5.48	0 9	2 4
R21535	27.6	45.9	3.6	1 3	5.47	0.465	0.44	< 0 02	0.05	0 03	< 0.02	0.74	82 7	577	819	136	485	58.8	8.0	36 0	2.7	10.8	1 8	4.3
R21536	27.1	3.99	1 7	3 4	3.75	< 0.002	0.02	< 0 02	0.36	< 0 02	< 0 02	0.49	26 6	20.9	45.4	4.9	17.1	2.8	0.5	2 0	0 2	1.05	0.2	0.5
R21537	29.4	43.5	2 5	1 7	6 25	0.467	0.87	< 0.02	0.22	0 04	< 0.02	1.45	87 6	349	455	85.5	300	36 2	4.9	19 4	1 7	7 64	1 4	3 8
R21538	26.2	13 5	1 3	1 8	3.27	0.128	0.35	< 0.02	0.29	0.04	0.03	0.45	56 7	177	275	39 7	128	13.7	1 7	7 5	0.6	2.80	0.5	1 2
R21539	22.0	27 4	0 6	0.7	3 67	0.303	0 51	< 0 02	0.11	0.02	< 0.02	0.18	58 8	366	494	85 0	278	30.0	3 5	16.8	1.3	5 81	1.0	2 6
R21540	19.8	30 2	1 3	1.2	3.40	0 258	0 32	< 0.02	0 12	0.03	< 0 02	0.60	72.5	345	475	86.9	314	38 2	5.0	21 8	1.7	6 83	1 1	3 0
R21541	22.7	18.0	2 4	2 0	2.14	0 235	0.25	< 0.02	0 30	< 0 02	< 0 02	0 80	118	224	275	53.7	173	19 6	2.5	10 6	0 9	3 94	0 7	1 7
R21542	29.5	62 2	1.6	2.4	12 2	0.229	0.43	< 0 02	0.30	0 02	< 0 02	1.14	70.3	233	415	64.5	245	37.7	6.5	26 8	2.6	11.9	2.1	5.6
R21543	32 0	59.1	1.4	1.4	3 11	0.426	0.44	< 0.02	0.11	0 04	< 0 02	1.34	80 9	236	325	70 5	264	41.3	7.1	27.6	2.8	12.8	2.2	5.7
R21544	21.6	65.0	1.5	1 7	10 2	0 326	0.38	< 0.02	0.39	0.03	0.03	1.95	72.2	202	383	61 5	233	38.1	6.3	26.7	2.7	12.5	2 2	6 1
R21545	22 6	45 7	1.3	1.4	4 44	0.295	0.50	< 0.02	0.13	0 05	< 0.02	1.40	70 6	158	216	46 6	174	26.6	4.3	18 2	1.8	8.57	1.6	4.1
R21546	18.8	33.0	2 0	2 0	8 52	0.253	0.58	< 0.02	0 26	0.02	< 0.02	4 74	163	141	167	38 0	140	21.1	3.4	14 6	1.4	6.46	1.1	2.9
R21547	34.9	54.1	6 6	3 1	8 23	0.504	0.39	< 0.02	0 41	0.02	0.03	4 67	165	255	297	72.9	282	40.4	6 0	25 4	2.3	10.3	1.8	4.8
R21548	29 9	52 9	2.0	2 0	6.16	0.114	0.19	< 0.02	0.49	0 04	0.03	1 22	87 1	195	395	64.6	238	35.4	5 4	21 2	2.1	9.73	1 8	4.8
R21549	26.6	49.9	1.3	1.6	62 2	0.562	0 49	< 0 02	0.13	0.04	0.03	1.52	114	221	461	58.8	205	28 1	4 8	18.2	1.9	9.65	1 8	4.8
R21550	39.1	30 1	3.6	2.5	8 88	0 260	0.44	< 0 02	0 39	0.04	0.04	1.56	117	171	263	43.4	148	19 4	3.1	12.6	1.2	5.75	1 0	2.6
R21551	36 7	41.0	2 3	2.3	4.06	0.198	0.56	< 0 02	0.31	0.04	0.03	0 96	113	197	293	58.3	212	29 4	4 4	17.4	1 6	7 57	1.4	3.7
R21552	28 0	57.7	0 5	1 5	2 34	0.345	0.31	< 0.02	0.12	< 0.02	< 0.02	0 62	74 2	291	503	80.4	320	49 1	8 3	32 9	3.0	12 8	2 2	5.5
R21553	29.0	48.3	1 8	2 6	1.46	0 288	0.41	< 0 02	0.20	< 0.02	< 0.02	1.47	104	191	331	58.0	209	34 6	5.6	24 2	2.5	11.7	2 0	4.9
R21554	22 8	63.3	3 1	2 7	9 31	0.468	0 52	< 0 02	0.31	0 03	< 0 02	1.23	86 4	285	658	72.2	258	37.7	6.0	26.8	2.6	12.1	2 2	5 8

Analyte Symbol	Sr	Y	Zr	Nb	Mo	Ag	Cd	In	Sn	Sb	Te	Cs	Ba	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er
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	0.5	0.01	0.1	0.1	0.01	0.002	0.01	0.02	0.05	0.02	0.02	0.02	0.5	0.5	0.01	0.1	0.02	0.1	0.1	0.1	0.1	0.001	0.1	0.1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
R21555	31.1	27.0	2.6	2.8	5.42	0.042	0.12	< 0.02	0.47	< 0.02	< 0.02	0.76	67.4	116	235	36.3	126	18.2	2.8	11.7	1.2	5.64	1.0	2.7
R21556	50.0	23.2	5.4	3.5	4.03	0.092	0.24	< 0.02	0.69	0.03	0.03	1.06	173	120	229	31.8	110	14.5	2.1	8.2	0.8	4.03	0.7	2.0
R21557	21.6	29.2	0.9	1.9	2.74	0.255	0.34	< 0.02	0.16	< 0.02	< 0.02	0.55	72.6	117	225	32.8	119	18.3	3.1	13.6	1.4	6.24	1.1	2.9
R21558	30.1	39.7	1.8	3.0	4.07	0.285	0.21	< 0.02	0.41	< 0.02	< 0.02	0.88	79.6	190	382	47.8	167	24.0	3.8	16.9	1.6	7.73	1.4	3.7
R21559	22.6	63.0	1.5	1.8	5.32	0.164	0.27	< 0.02	0.17	< 0.02	0.04	0.79	87.5	277	606	74.0	258	34.9	5.3	22.9	2.3	11.5	2.1	5.8
R21560	10.1	44.2	2.3	2.0	3.14	0.274	0.29	< 0.02	0.15	< 0.02	< 0.02	0.53	6.1	248	359	61.4	214	29.2	4.8	20.7	1.9	8.65	1.5	4.0
R21561	27.6	75.7	1.5	2.0	12.2	0.300	0.34	< 0.02	0.11	0.03	< 0.02	0.65	60.7	335	540	83.2	319	47.8	8.4	34.6	3.3	15.3	2.7	6.8
R21562	28.7	54.6	2.2	2.5	2.40	0.361	0.26	< 0.02	0.27	0.02	0.03	1.09	141	261	437	68.0	245	35.5	6.1	25.7	2.5	11.4	2.0	5.2
R21563	38.2	47.5	4.1	3.4	1.80	0.595	0.18	< 0.02	0.55	< 0.02	0.03	2.06	248	261	465	65.2	220	29.0	4.6	18.2	1.9	8.88	1.6	4.3
R21564	32.9	53.6	6.6	4.5	2.85	0.474	0.24	< 0.02	0.60	0.04	< 0.02	2.19	204	282	493	71.4	252	35.4	5.6	24.3	2.3	10.4	1.8	4.9
R21565	31.3	61.9	2.7	2.2	2.04	0.420	0.35	< 0.02	0.27	0.04	0.02	1.32	118	232	400	67.1	242	35.2	5.7	22.9	2.4	11.6	2.2	5.8
R21566	26.2	64.7	1.6	2.2	2.35	0.539	0.34	< 0.02	0.29	< 0.02	< 0.02	1.22	122	267	676	85.1	225	32.8	5.6	25.7	2.7	13.3	2.4	6.2
R21567	34.6	53.3	3.3	3.0	4.66	0.229	0.40	< 0.02	0.43	0.04	< 0.02	1.53	142	216	385	62.8	235	36.8	6.1	26.6	2.6	11.8	2.1	5.4
R21568	28.2	40.2	1.5	2.3	2.08	0.217	0.32	< 0.02	0.23	< 0.02	< 0.02	0.56	71.5	130	258	39.0	146	22.3	3.7	15.2	1.5	7.55	1.4	3.8
R21569	31.3	3.41	1.5	2.7	5.59	< 0.002	0.02	< 0.02	0.31	< 0.02	< 0.02	0.42	26.7	16.7	36.2	3.7	12.7	2.1	0.4	1.4	0.2	0.875	0.1	0.4
R21570	28.4	34.6	2.2	2.9	2.19	0.265	0.23	< 0.02	0.42	< 0.02	0.03	1.38	111	150	294	36.6	122	17.9	3.0	13.3	1.4	7.01	1.3	3.3

Analyte Symbol	Tm	Yb	Lu	Hf	Ta	W	Re	Au	Tl	Pb	Th	U
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm
Detection Limit	0.1	0.1	0 1	0 1	0 05	0.1	0.001	0 5	0.02	0.01	0 1	0.1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
R21451	0.3	1 5	0.2	< 0.1	< 0 05	< 0.1	0 003	2.7	0.61	10 9	19 6	3.0
R21452	0.3	2.0	0 3	< 0.1	< 0 05	< 0.1	0 001	< 0 5	0.59	11 3	25 3	2.9
R21453	0.2	1.3	0.2	< 0.1	< 0 05	< 0.1	< 0 001	< 0.5	0.46	10 1	20.1	1.7
R21454	0 2	1 3	0 2	< 0.1	< 0.05	< 0.1	0 003	1 3	0.81	14 2	33 8	2 1
R21455	0 2	1 1	0 2	< 0.1	< 0 05	< 0.1	0 001	< 0 5	0 56	8.46	20.6	1 6
R21456	0 3	1.6	0 3	< 0 1	< 0 05	< 0.1	0 003	0.5	0 34	5.08	11.4	1 7
R21457	0.5	3.0	0.4	< 0.1	< 0.05	< 0.1	0.003	1.9	0 30	8.64	9.8	5 3
R21458	0.3	2.0	0.3	< 0 1	< 0.05	1 4	0.002	4.4	0 57	8.72	13 9	2 7
R21459	0.2	1.4	0 2	< 0 1	< 0 05	< 0.1	0 002	< 0 5	0 42	7.85	13.7	2.3
R21460	0.3	1 7	0 3	< 0.1	< 0.05	< 0 1	0 001	< 0.5	0.15	5 78	2 8	2.3
R21461	0.3	1.6	0.3	< 0 1	< 0 05	< 0.1	< 0.001	< 0.5	0.15	7 91	2.2	2 1
R21462	0 5	2 8	0.4	< 0.1	< 0 05	< 0.1	0.002	< 0 5	0 55	11.2	28.3	4 4
R21463	0.4	2.3	0.3	< 0 1	< 0 05	< 0.1	0.004	0 7	0.14	5.88	2.3	38.8
R21464	0.4	2.4	0 3	< 0 1	< 0 05	< 0.1	0 004	< 0 5	0 67	5.91	2.8	48.4
R21465	< 0.1	0 4	< 0 1	< 0 1	0.05	< 0.1	< 0.001	< 0 5	0.05	3.30	4 5	0.8
R21466	0.2	1 0	0.1	< 0.1	< 0 05	< 0.1	< 0.001	< 0.5	0 13	2 13	3 2	8.6
R21467	0.5	3 2	0.5	< 0.1	< 0.05	< 0.1	0.003	< 0.5	0.26	7.22	6 2	35.5
R21468	0.3	1 6	0.2	0 1	< 0.05	0.1	0.012	1 4	0 59	14.8	20 8	33.7
R21469	0.3	1 9	0.3	< 0.1	< 0.05	0.1	0 002	< 0 5	0 09	4.62	3.3	31.3
R21470	0.3	1 9	0.3	< 0 1	< 0.05	0.7	0.001	< 0.5	0.10	5 49	3.2	12 1
R21471	0.5	3 2	0.5	< 0 1	< 0.05	< 0.1	0.001	< 0 5	0.22	2.68	6.4	15 2
R21472	0 7	4.0	0.6	< 0 1	< 0.05	< 0 1	0.004	< 0.5	0 21	6.25	4.0	28.3
R21473	0.6	3.9	0.6	< 0.1	< 0.05	0.7	0.004	1.0	0.74	11 6	40.4	38 8
R21474	0 3	2.0	0.3	< 0 1	< 0.05	< 0.1	0 002	< 0.5	0.26	6 82	10.7	8.6
R21475	0.4	2.3	0.3	< 0 1	< 0 05	< 0.1	0 003	< 0 5	0.41	7 70	12.9	6 6
R21476	0 4	2.5	0 4	< 0.1	< 0 05	< 0.1	0 003	< 0 5	0.38	7.53	15.9	5 4
R21477	0.3	1.8	0.3	< 0 1	< 0 05	< 0.1	0 006	< 0 5	0 84	13 0	26 4	11.4
R21478	0 5	3.0	0 5	< 0 1	< 0 05	< 0.1	0 005	1 3	0 67	12.5	36.8	8.1
R21479	0 6	3.8	0 5	< 0 1	< 0 05	< 0.1	0.007	1 1	0.37	3 23	12.5	7.6
R21480	0.3	1 7	0.3	< 0.1	< 0.05	< 0.1	0.005	1 6	0 57	8 85	26 6	6.5
R21481	0.5	2.4	0 4	< 0.1	< 0 05	< 0.1	0.005	0 8	0.19	2.27	2 3	3.2
R21482	< 0.1	0 3	< 0 1	< 0 1	< 0 05	< 0.1	< 0.001	< 0 5	0.03	3.48	6 4	0.7
R21483	0.4	2 6	0.4	< 0 1	< 0 05	< 0.1	0 009	0.8	0.36	5 77	23 1	6.6
R21484	0 4	2 5	0 4	< 0 1	< 0.05	< 0.1	0.002	< 0.5	0.35	7 06	18 3	5.8
R21485	0 4	2 3	0.3	< 0.1	< 0.05	< 0.1	0 005	< 0.5	0.36	4.46	8 0	5.2
R21486	0 6	3.4	0.5	< 0 1	< 0 05	< 0.1	0.004	< 0.5	0.29	4 19	7.7	6.8
R21487	0 4	2.2	0 3	< 0 1	< 0 05	< 0.1	0.002	< 0.5	0.19	3 97	5.6	4 8
R21488	0 5	2.6	0 4	< 0 1	< 0 05	< 0.1	0.004	0.7	0 28	4 82	12 2	7.3
R21489	0.3	1 7	0 3	< 0.1	< 0 05	0.2	0 003	1 1	0 19	4 26	7.5	3 6
R21490	0.4	2 3	0 3	< 0 1	< 0.05	< 0.1	0.002	1.2	0 28	7.21	5.5	12.9
R21491	0.5	3.2	0 5	< 0.1	< 0 05	< 0.1	0.003	< 0.5	0.14	5.50	4.6	5.9
R21492	0 3	1.4	0.2	< 0 1	< 0 05	< 0.1	0.003	< 0 5	0.14	4 67	2.9	5.3
R21493	0 4	2.2	0.3	< 0 1	< 0.05	< 0.1	0.005	1 3	0.42	3.03	2.1	5.1
R21494	0 3	1.8	0.3	< 0 1	< 0 05	< 0.1	0.003	0 7	0.35	7.10	18.9	5 1
R21495	0.2	1 4	0.2	< 0 1	< 0 05	< 0.1	0.003	< 0 5	0.24	2 83	6 2	2 5
R21496	0.4	2.2	0.3	< 0 1	< 0 05	< 0.1	0.002	< 0 5	0 18	8 04	7.0	9 3
R21497	0 2	1 0	0.2	< 0 1	< 0 05	< 0.1	0.003	< 0.5	0 36	3.93	7.1	1.5
R21498	0 3	1.5	0.2	< 0 1	< 0.05	< 0.1	0.003	< 0.5	0 20	4 90	3 1	2.0
R21499	0.1	0.8	0 1	< 0 1	< 0 05	< 0.1	0 002	< 0.5	0 12	3.23	4.8	1 4
R21500	0.2	1.1	0 2	< 0 1	< 0 05	< 0.1	0.003	< 0.5	0 20	3 99	2 5	1.9
R21501	0.2	1.0	0 2	< 0 1	< 0 05	< 0.1	0.002	2.0	0 29	7.74	9.5	0.9
R21502	0.2	1.5	0 2	< 0.1	< 0 05	< 0.1	0.004	1 3	0 34	5 16	10.2	1.4

Analyte Symbol	Tm	Yb	Lu	Hf	Ta	W	Re	Au	Tl	Pb	Th	U
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm
Detection Limit	0.1	0.1	0.1	0 1	0 05	0 1	0 001	0.5	0.02	0.01	0.1	0.1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
R21503	0.2	1.0	0 2	< 0 1	< 0.05	< 0.1	0 001	< 0 5	0 16	3.42	8 7	1 7
R21504	0.3	1.8	0 3	< 0 1	< 0.05	< 0.1	0.004	3 8	0.11	4.30	2.4	3 0
R21505	0.3	1.6	0 2	< 0 1	< 0.05	< 0.1	0 002	< 0 5	0.20	2.06	1.4	3.2
R21506	0.3	1.9	0 3	< 0 1	< 0 05	< 0.1	0.008	< 0 5	0 53	3.92	3.9	6.1
R21507	0.2	1.4	0 2	< 0.1	< 0 05	< 0 1	0.003	< 0 5	0.11	3.07	3.1	2.5
R21508	< 0.1	0 4	< 0 1	< 0.1	< 0 05	< 0.1	< 0.001	< 0 5	0.04	3 93	7.4	0.8
R21509	0.7	3 8	0.6	< 0.1	< 0 05	< 0 1	0.008	< 0 5	0 10	1.77	3 8	5.7
R21510	0.2	1.3	0 2	< 0.1	< 0 05	< 0 1	0.002	< 0 5	0 14	11.4	2.0	2.9
R21511	0.2	1 0	0 2	< 0.1	< 0 05	< 0 1	0.001	< 0 5	0 15	3 83	2 9	5.4
R21512	0 2	1 4	0 2	< 0.1	< 0.05	< 0.1	0 001	6 1	0 65	11 8	35.1	12 2
R21513	0.3	1 7	0.3	< 0 1	< 0.05	< 0.1	0 002	< 0.5	0 24	3.90	11.5	7 6
R21514	0.2	1 1	0.2	< 0 1	< 0.05	0 1	0.001	0.8	0 63	14 9	28.5	15 0
R21515	0 3	1 7	0 3	0.2	< 0 05	< 0 1	0.009	1.7	0 45	4 90	7.0	24.1
R21516	0 4	2 3	0.4	< 0.1	< 0 05	< 0.1	0.005	0.9	0.36	5.38	7.9	5.1
R21517	0.3	1.6	0 3	< 0.1	< 0.05	< 0.1	0.005	0 9	0 27	3 83	5.3	3 2
R21518	0.4	2.3	0.4	< 0 1	< 0.05	< 0.1	0.006	2.7	0 39	4 72	9 1	14.6
R21519	0,3	1.8	0,3	< 0 1	< 0 05	< 0.1	0.006	3.0	0 66	8.73	39.4	8.4
R21520	0.2	1.4	0.2	< 0 1	< 0.05	< 0.1	0.004	< 0 5	0 23	1 37	3 0	3 1
R21521	0.3	1.7	0 3	< 0.1	< 0.05	0.1	0.002	1 4	0 14	4 92	5.7	1 9
R21522	0.3	1 9	0 3	< 0.1	< 0.05	< 0.1	0.003	2 1	0 58	9.56	36 9	2 8
R21523	0.2	1 5	0.3	< 0 1	< 0 05	< 0.1	0 004	< 0 5	0.20	4.39	10 2	1 7
R21524	0 3	1 4	0.2	< 0 1	< 0 05	< 0.1	0 002	1.0	0 34	4 32	9 0	1 5
R21525	0 1	0 8	0.1	< 0 1	< 0.05	< 0 1	0 002	< 0.5	0 26	4.33	12.7	1 6
R21526	0.2	1 1	0.2	< 0 1	< 0 05	< 0 1	0 002	< 0 5	0 28	3 81	5.3	2.3
R21527	0 2	1.2	0.2	< 0.1	< 0.05	0 1	0.002	1.2	0 19	6 49	6.1	2.4
R21528	0 2	0 9	0 2	< 0 1	< 0 05	0 1	0.002	< 0.5	0 33	3 31	2.0	0 7
R21529	0.2	1 2	0 2	< 0 1	< 0.05	< 0.1	0.002	< 0.5	0.29	4 03	5.7	1.6
R21530	0.4	2 6	0.4	< 0.1	< 0.05	< 0.1	0 008	1.1	0.49	7.01	14.7	4 8
R21531	0 2	1 1	0.2	< 0 1	< 0.05	< 0.1	0.002	3 0	0 15	2.95	6 5	2.9
R21532	0 3	1.6	0.2	< 0 1	< 0 05	< 0 1	0.001	< 0.5	0.17	5 93	11.3	8.1
R21533	0.3	1.7	0 3	< 0 1	< 0 05	< 0 1	0 002	< 0 5	0.11	7.84	5 3	4 1
R21534	0.3	1.7	0 3	< 0.1	< 0 05	< 0.1	0.001	< 0 5	0.23	2.05	2.2	3 7
R21535	0.6	3 4	0 6	< 0 1	< 0 05	< 0.1	0 006	4 0	0 45	5.24	9 7	19.7
R21536	< 0.1	0 4	< 0 1	< 0 1	< 0.05	0.3	< 0 001	< 0 5	0 04	4.42	7 0	0.8
R21537	0 5	3 2	0.5	< 0.1	< 0.05	< 0.1	0 004	< 0 5	0 25	9 05	3.6	17.1
R21538	0.2	0.8	0 1	< 0 1	< 0.05	< 0 1	0 002	< 0.5	0 11	4 18	2.8	3.1
R21539	0.4	2 1	0 3	< 0 1	< 0 05	< 0 1	0.002	< 0 5	0.13	2 47	2.3	3 5
R21540	0.4	2 4	0.4	< 0.1	< 0 05	< 0.1	0.003	0 7	0 14	5 06	3.5	6.5
R21541	0.2	1 2	0.2	< 0.1	< 0.05	< 0 1	< 0.001	< 0.5	0 20	5.01	6 4	3 0
R21542	0 8	4 8	0 8	< 0 1	< 0.05	< 0 1	0.003	< 0.5	0 34	7.34	7.0	29 8
R21543	0.8	4 3	0 6	< 0.1	< 0.05	< 0.1	0 002	< 0.5	0.23	7 17	3 7	13.6
R21544	0.9	5 3	0.9	< 0 1	< 0.05	< 0.1	0.002	< 0.5	0.21	16.5	3.4	55.8
R21545	0 6	3.2	0 5	< 0 1	< 0 05	< 0.1	0.004	< 0.5	0 19	11.8	3.7	27.5
R21546	0 4	2 3	0 4	< 0.1	< 0 05	< 0.1	0.004	< 0.5	0.57	13.0	11.1	18.5
R21547	0.7	4 1	0.7	< 0.1	< 0.05	< 0.1	0.004	9 3	0.68	18.7	23 6	92.9
R21548	0.7	4.3	0.7	< 0 1	< 0.05	< 0.1	0.001	< 0 5	0 15	8.60	7 5	21 5
R21549	0 7	4.0	0 6	< 0.1	< 0 05	0.1	0 002	< 0.5	0 33	14 1	3.5	70 7
R21550	0 4	2.1	0 3	< 0.1	< 0 05	< 0.1	0 004	< 0 5	0.37	9 84	7.9	14.3
R21551	0 5	3.1	0.5	< 0.1	< 0.05	< 0.1	0 001	< 0 5	0.25	9 41	6 6	19.3
R21552	0 8	4.6	0 7	< 0 1	< 0.05	0 3	0 003	< 0 5	0 45	4.52	3 2	27 3
R21553	0 7	3 8	0 6	< 0.1	< 0 05	< 0 1	0.001	< 0.5	0.43	5.95	6.4	14.9
R21554	0.8	4 9	0.8	< 0 1	< 0.05	0.2	0.002	< 0 5	0 89	11.7	14 3	31.2

Analyte Symbol	Tm	Yb	Lu	Hf	Ta	W	Re	Au	Tl	Pb	Th	U
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm
Detection Limit	0.1	0 1	0.1	0.1	0.05	0 1	0.001	0.5	0.02	0.01	0.1	0.1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
R21555	0.4	2.3	0 3	< 0 1	< 0.05	< 0.1	< 0.001	3.3	0 14	6.25	11.8	9.5
R21556	0.3	1.8	0.3	< 0 1	< 0 05	< 0.1	0.008	< 0 5	0.40	8.54	15.9	5.1
R21557	0 4	2.4	0 4	< 0 1	< 0 05	< 0.1	0.002	< 0 5	0 32	4.35	4.4	9 1
R21558	0.5	3 3	0 5	< 0 1	< 0 05	< 0.1	0 002	< 0 5	0 35	8.51	12 1	37 4
R21559	0.8	4 9	0.8	< 0 1	< 0.05	< 0 1	0 001	< 0 5	0.28	5.45	8.3	19.9
R21560	0 5	3.1	0.5	< 0.1	< 0.05	0.2	0.002	0 8	0.27	4.30	9.0	7.9
R21561	1.0	5.7	0 9	< 0.1	< 0 05	< 0.1	0.003	0.8	0 21	4 69	5 1	46.0
R21562	0.7	4 2	0 6	< 0.1	< 0 05	< 0.1	0.003	< 0 5	0.30	7.55	10.7	17 7
R21563	0 6	3.5	0.5	< 0.1	< 0.05	< 0.1	0 002	< 0.5	0 74	11 9	36.1	12 9
R21564	0.7	4.3	0 6	< 0 1	< 0.05	0.1	0 003	1.2	0 66	16 3	40.0	18 5
R21565	0.8	4.7	0 7	< 0.1	< 0 05	0.1	0.001	< 0 5	0 34	7 01	8.9	19 1
R21566	0.9	5.0	0 7	< 0.1	< 0 05	< 0 1	0 001	< 0 5	0.52	8 51	11.4	33.1
R21567	0.8	4.8	0 8	< 0.1	< 0 05	< 0.1	0.003	0 8	0 38	12.2	15.6	62.9
R21568	0 6	3 4	0.5	< 0.1	< 0 05	< 0.1	0.002	< 0 5	0 20	3.97	4.9	12 0
R21569	< 0.1	0 3	< 0 1	< 0 1	< 0.05	0.5	< 0.001	< 0 5	0 02	3 40	4 7	0 7
R21570	0 5	2.8	0 4	< 0 1	< 0.05	< 0 1	< 0 001	< 0 5	0 40	7 34	15 7	9 4

Quality Control																							
Analyte Symbol	Li	Be	B	Na	Mg	Al	K	Bi	Ca	Sc	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Rb	Sr
Unit Symbol	ppm	ppm	ppm	%	%	%	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0 1	0.1	1	0 001	0 01	0.01	0.01	0.02	0 01	0.1	1	0 5	1	0 01	0.1	0.1	0 01	0 1	0.02	0.1	0.1	0.1	0.1	0 5
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
GXR-1 Meas	4.4	0.7	11	0.032	0 14	0.35	0.03	1430	0.78	1 3	72	8 9	827	24.1	7 3	37.0	1060	759	4 36		372	16 5	2.0	155
GXR-1 Cert	8.20	1.22	15.0	0 0520	0.217	3.52	0.0500	1380	0.960	1.58	80 0	12.0	852	23.6	8.20	41.0	1110	760	13 8		427	16 6	14.0	275
DH-1a Meas																								
DH-1a Cert																								
GXR-4 Meas	9.2	1.5	3	0 126	1.77	2.92	1.72	19 6	0 86	6.9	84	59.8	148	3.11	14.0	40.0	6420	75 1	11 6		98 6	6 3	99 3	71.5
GXR-4 Cert	11.1	1.90	4 50	0.564	1.66	7 20	4 01	19 0	1 01	7 70	87 0	64 0	155	3 09	14.6	42.0	6520	73 0	20 0		98 0	5.60	160	221
GXR-6 Meas	28.1	0.8	5	0.083	0 40	7 05	1 00	0 15	0 21	20.2	145	69.7	908	5 02	11.6	20 4	60.6	116	19.1		174	< 0.1	58 6	41.5
GXR-6 Cert	32.0	1 40	9.80	0.104	0.609	17.7	1.87	0.290	0.180	27.6	186	98 0	1010	5.58	13.8	27 0	66 0	118	35.0		330	0.940	90.0	35.0
OREAS 13b (4-Acid) Meas															49.5	2200	2350				53.0			
OREAS 13b (4-Acid) Cert															75	2247	2327				57			
R21483 Orig	5.1	0.4	4	0.036	0.16	1 62	0.06	0.05	0 38	0 8	15	20.8	55	0.64	2.5	18.0	133	57 9	2 07	0.5	2.6	2 8	6 5	25.6
R21483 Dup	4.8	0.4	3	0 037	0 17	1.70	0.06	0.06	0 37	0.7	14	20 4	59	0.67	2 6	17.6	124	56.3	1.93	0.5	2 9	2.4	5.9	24.4
R21477 Orig	47 6	1.0	4	0.062	1.56	3 43	1.21	0.07	0.50	6 3	67	54.7	523	3.74	23 3	38 3	155	301	10 9	0 5	< 0.1	2 1	118	34.2
R21477 Dup	48 8	1.0	4	0.068	1.72	3.64	1.25	0.06	0.51	6 7	74	62 3	559	3.91	23.8	39 7	167	327	12.7	0.6	0.3	2.2	124	36 6
R21490 Orig	9.0	0.5	8	0 035	0.34	2 37	0.17	0 05	0.38	2 0	35	26.5	167	2.67	9 9	19.1	112	66.1	3.01	0.7	1.1	3 1	17.5	19 1
R21490 Dup	8 2	0.5	7	0 041	0 37	2 50	0.17	0 06	0 36	1 9	36	28 1	173	2.70	9.6	18.0	110	66.6	3.46	0.7	1.9	3.2	16 8	18 3
R21504 Orig	5.5	0.9	7	0.038	0 22	1.81	0.10	0 04	0 47	1.4	25	22.7	90	1.42	5 5	14 6	118	71.2	2 17	0.9	< 0.1	2 6	10 2	21.0
R21504 Dup	4.7	0.8	7	0.035	0 21	1 75	0 10	0 04	0 43	1.1	24	21.6	87	1 36	5 1	13.7	107	64 2	2 17	0.9	0.3	2 4	9.1	19 5
R21527 Orig	10 2	0.4	11	0 045	0 56	1 96	0.28	0 06	0 38	3 5	48	26.6	269	7.28	16.3	13.1	85 1	137	4.93	0.5	< 0.1	1 8	23 4	20 5
R21527 Dup	10.5	0 5	11	0.048	0 56	1.94	0.28	0 06	0 40	3.5	49	27.4	275	7.39	16 3	13.6	88 6	148	5.06	0.5	0 4	2.3	24 4	21.7
R21541 Orig	14.7	0 5	6	0.035	0 73	1 65	0 29	0 02	0.40	3.4	35	29 1	202	1.77	8.1	21 3	78.3	81.9	5 01	0.4	< 0.1	1 2	32.4	21.2
R21541 Dup	15.6	0 5	8	0.040	0 78	1 71	0.31	0 02	0 42	3.8	39	33.8	210	1.81	8 3	22 2	87.1	89.8	6 44	0.4	< 0.1	1.5	34 8	24.2
R21554 Orig	11.6	0.7	6	0.039	0.44	2.16	0 22	0 05	0 26	3.3	43	49 8	675	9.65	51 6	24 7	155	150	4 58	0 8	< 0.1	3 8	29.9	23.7
R21554 Dup	10.2	0 6	5	0 039	0 41	2.05	0.21	0 05	0 25	2 9	36	42 9	635	9 11	49 2	23.4	135	133	3.87	0.7	< 0 1	3 4	26.9	21.9
R21568 Orig	8.6	0 7	4	0 037	0.38	1 59	0.14	0 03	0.35	2.0	37	29.1	143	2.35	5 3	12.9	70.3	91 3	3.70	0.4	< 0.1	1.7	15 8	27 1
R21568 Dup	9.2	0 7	4	0 031	0.38	1.61	0 15	0 03	0 38	2.0	38	28.8	146	2.47	5.6	13 9	74 1	93 7	3 59	0.3	< 0.1	1.9	17.6	29 2
Method Blank Method Blank	< 0.1	< 0 1	< 1	< 0.001	< 0 01	< 0 01	< 0.01	< 0 02	< 0 01	< 0 1	< 1	< 0.5	< 1	< 0 01	< 0 1	< 0.1	< 0 01	< 0 1	< 0 02	< 0.1	< 0.1	< 0.1	< 0.1	< 0 5

Quality Control

Analyte Symbol	Y	Zr	Nb	Mo	Ag	Cd	In	Sn	Sb	Te	Cs	Ba	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	0.01	0.1	0.1	0.01	0.002	0.01	0.02	0.05	0.02	0.02	0.02	0.5	0.5	0.01	0.1	0.02	0.1	0.1	0.1	0.1	0.001	0.1	0.1	0.1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
GXR-1 Meas	25.2	15.2	0.4	16.9	27.3	2.12	0.63	20.4	82.7	13.5	2.53	182	3.7	9.84		5.37	2.0	0.5	3.2	0.6	3.93			0.3
GXR-1 Cert	32.0	38.0	0.800	18.0	31.0	3.30	0.770	54.0	122	13.0	3.00	750	7.50	17.0		18.0	2.70	0.690	4.20	0.830	4.30			0.430
DH-1a Meas																								
DH-1a Cert																								
GXR-4 Meas	12.3	9.7	0.2	310	3.42	0.15	0.19	5.26	3.46	1.04	2.31	14.9	46.9	89.6		35.2	5.6	1.2	4.1	0.5	2.34			0.1
GXR-4 Cert	14.0	186	10.0	310	4.00	0.860	0.270	5.60	4.80	0.970	2.80	1640	64.5	102		45.0	6.60	1.63	5.25	0.360	2.60			0.210
GXR-6 Meas	6.19	16.1	< 0.1	1.38	0.248	0.08	0.05	0.75	1.80	0.04	3.01	1280	9.7	27.9		9.30	1.9	0.5	1.7	0.2	1.30			0.1
GXR-6 Cert	14.0	110	7.50	2.40	1.30	1.00	0.260	1.70	3.60	0.0180	4.20	1300	13.9	36.0		13.0	2.67	0.760	2.97	0.415	2.80			0.0320
OREAS 13b (4-Acid) Meas				9.01	0.855																			
OREAS 13b (4-Acid) Cert				9.0	0.86																			
R21483 Orig	35.2	0.9	1.3	4.01	0.323	0.44	< 0.02	0.22	0.07	< 0.02	0.59	48.3	186	347	51.9	185	24.6	3.3	15.6	1.5	7.31	1.3	3.0	0.4
R21483 Dup	34.4	0.9	1.4	4.16	0.288	0.42	< 0.02	0.20	0.07	< 0.02	0.64	57.0	187	343	51.7	189	27.2	3.7	18.4	1.7	7.74	1.3	3.1	0.4
R21477 Orig	26.5	6.8	4.0	8.17	0.346	1.17	0.02	0.79	0.03	< 0.02	2.19	236	239	285	54.8	179	20.8	2.7	12.1	1.1	5.39	0.9	2.3	0.3
R21477 Dup	28.9	7.5	4.3	8.84	0.342	1.24	0.03	0.85	0.03	< 0.02	2.22	237	249	304	59.8	195	22.7	2.8	11.7	1.1	5.33	1.0	2.4	0.3
R21490 Orig	31.6	1.6	1.5	4.90	0.598	0.32	< 0.02	0.30	0.03	< 0.02	0.67	89.1	302	535	71.2	241	28.1	3.9	17.4	1.7	7.42	1.3	3.0	0.4
R21490 Dup	32.0	2.4	1.7	5.15	0.545	0.33	< 0.02	0.52	0.04	< 0.02	0.68	90.9	299	536	73.1	260	31.8	4.4	18.9	1.7	7.54	1.2	3.0	0.4
R21504 Orig	26.8	1.3	1.0	3.59	0.427	0.64	< 0.02	0.21	0.04	< 0.02	0.31	63.5	490	636	105	340	35.7	4.1	20.8	1.7	6.84	1.1	2.6	0.3
R21504 Dup	25.5	1.0	1.0	3.42	0.383	0.59	< 0.02	0.19	0.04	< 0.02	0.31	59.2	456	586	98.9	333	36.1	4.2	20.6	1.6	6.27	1.0	2.3	0.3
R21527 Orig	16.5	3.1	2.2	9.55	0.316	0.35	< 0.02	0.29	0.10	< 0.02	0.47	47.4	252	323	54.4	172	17.8	2.2	10.5	0.8	3.37	0.6	1.4	0.2
R21527 Dup	17.1	3.2	2.3	9.53	0.346	0.37	< 0.02	0.34	0.16	< 0.02	0.45	48.7	255	331	55.4	174	17.9	2.2	9.9	0.8	3.23	0.6	1.5	0.2
R21541 Orig	16.9	2.2	1.9	2.13	0.220	0.24	< 0.02	0.30	< 0.02	< 0.02	0.81	119	221	267	51.0	163	18.9	2.5	11.3	1.0	4.05	0.7	1.6	0.2
R21541 Dup	19.2	2.7	2.1	2.16	0.250	0.27	< 0.02	0.31	< 0.02	< 0.02	0.78	118	228	283	58.3	182	20.2	2.5	10.0	0.9	3.83	0.7	1.7	0.2
R21554 Orig	67.3	3.2	2.8	9.66	0.490	0.55	< 0.02	0.33	0.03	0.02	1.23	86.3	298	695	76.6	270	39.0	6.1	26.2	2.5	12.1	2.2	6.1	0.9
R21554 Dup	59.3	2.9	2.5	8.95	0.445	0.49	< 0.02	0.30	0.02	< 0.02	1.24	86.4	272	620	67.7	247	36.5	5.9	27.5	2.6	12.0	2.1	5.4	0.8
R21568 Orig	39.2	1.6	2.3	2.06	0.213	0.30	< 0.02	0.23	< 0.02	< 0.02	0.54	69.3	124	247	38.5	146	23.0	3.8	15.3	1.5	7.33	1.3	3.7	0.6
R21568 Dup	41.1	1.5	2.3	2.10	0.221	0.33	< 0.02	0.23	< 0.02	< 0.02	0.57	73.7	136	266	39.4	144	21.7	3.6	15.0	1.6	7.78	1.4	3.9	0.6
Method Blank Method Blank	< 0.01	< 0.1	< 0.1	< 0.01	< 0.002	< 0.01	< 0.02	< 0.05	< 0.02	< 0.02	< 0.02	< 0.5	< 0.5	< 0.01	< 0.1	< 0.02	< 0.1	< 0.1	< 0.1	< 0.1	< 0.001	< 0.1	< 0.1	< 0.1

Quality Control

Analyte Symbol	Yb	Lu	Hf	Ta	W	Re	Au	Tl	Pb	Th	U
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm
Detection Limit	0.1	0 1	0 1	0 05	0.1	0.001	0.5	0.02	0.01	0 1	0 1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
GXR-1 Meas	1.9	0 3	0.1	< 0.05	146		3230	0 30	742	1 5	34.3
GXR-1 Cert	1.90	0.280	0 960	0 175	164		3300	0 390	730	2 44	34.9
DH-1a Meas										> 200	2520
DH-1a Cert										910	2630
GXR-4 Meas	0 8	0 1	0 2	< 0 05	11 7		465	2 88	51 5	21.4	5.3
GXR-4 Cert	1 60	0.170	6 30	0.790	30 8		470	3.20	52 0	22 5	6.20
GXR-6 Meas	0,5	< 0.1	< 0.1	< 0.05	< 0 1		35.7	1 54	95.3	5 0	0.9
GXR-6 Cert	2.40	0 330	4.30	0.485	1 90		95.0	2.20	101	5.30	1.54
OREAS 13b (4-Acid) Meas											
OREAS 13b (4-Acid) Cert											
R21463 Orig	2.2	0 3	< 0 1	< 0 05	< 0 1	0 004	0.5	0 13	5 48	2 8	37.1
R21463 Dup	2.4	0.3	< 0 1	< 0.05	< 0 1	0 003	0.8	0.14	6 27	1.9	40 6
R21477 Orig	1.7	0.3	< 0.1	< 0.05	0.2	0.006	1 6	0 61	12 7	26 0	11.4
R21477 Dup	1.9	0.3	< 0.1	< 0 05	< 0 1	0.006	< 0 5	0 87	13 2	28.8	11.4
R21490 Orig	2.1	0.3	< 0 1	< 0 05	< 0.1	0 001	1.3	0 27	6 66	4 8	12 6
R21490 Dup	2.4	0.3	< 0 1	< 0.05	0 6	0 002	1.2	0.29	7 76	6 1	13.1
R21504 Orig	1 9	0.3	< 0 1	< 0 05	< 0 1	0.004	3.0	0.11	4 34	3.0	3 1
R21504 Dup	1 8	0 3	< 0.1	< 0.05	< 0 1	0 004	4.7	0.10	4.26	1.9	2 9
R21527 Orig	1.2	0.2	< 0.1	< 0 05	0 1	0 002	1.3	0 19	6 54	6.7	2 4
R21527 Dup	1.2	0.2	< 0.1	< 0.05	0 1	0.001	1.1	0.19	6 43	5.6	2.4
R21541 Orig	1 2	0 2	< 0.1	< 0.05	< 0 1	< 0 001	< 0.5	0.19	5.01	6.3	3 1
R21541 Dup	1 3	0 2	< 0.1	< 0.05	< 0.1	0.001	< 0 5	0.21	5.00	6.5	3 0
R21554 Orig	5 1	0.8	< 0 1	< 0.05	0.1	0 003	< 0 5	0.94	11.9	13.9	31.3
R21554 Dup	4.7	0 8	< 0.1	< 0.05	0.2	0.002	< 0 5	0.84	11.6	14 7	31.2
R21568 Orig	3 5	0 5	< 0 1	< 0 05	0 2	0 001	< 0 5	0.20	4 12	5.4	11 9
R21568 Dup	3 4	0 5	< 0 1	< 0 05	< 0.1	0 002	< 0 5	0 20	3.81	4.3	12.0
Method Blank Method Blank	< 0.1	< 0 1	< 0.1	< 0.05	< 0 1	< 0 001	< 0 5	< 0.02	< 0.01	< 0 1	< 0 1

Quality Analysis ... **Actlabs** *Innovative Technologies*

Date Submitted: 04-Nov-10
Invoice No.: A10-7978
Invoice Date: 30-Nov-10
Your Reference: 30261-3 Azimut

Techni-Lab Abitibi Inc.(Actlabs)
184 Rue Principale
Ste-Germaine-Boule Quebec J0Z 1M0
Canada

ATTN: Andre Caouette

CERTIFICATE OF ANALYSIS

120 Pulp samples were submitted for analysis.

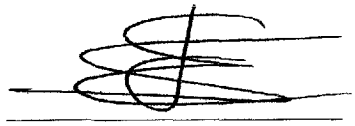
The following analytical packages were requested: Code 4F-LOI LOI
Code UT-1-0.5g Aqua Regia ICP/MS

REPORT **A10-7978**

Notes:
Assays are recommended for values >10,000 for Cu and Au.

No sample R21615.

CERTIFIED BY :



Emmanuel Eseme , Ph.D.
Quality Control

ISO/IEC 17025
SCC Accredited
LAB 266
LAB 266
Accrédité CCN

Activation Laboratories Ltd. Report: A10-7978

Analyte Symbol	LOI	Li	Be	B	Na	Mg	Al	K	Bi	Ca	Sc	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Rb
Unit Symbol	%	ppm	ppm	ppm	%	%	%	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit		0.1	0 1	1	0.001	0 01	0 01	0 01	0 02	0 01	0 1	1	0 5	1	0.01	0.1	0.1	0.01	0.1	0.02	0 1	0.1	0.1	0 1
Analysis Method	GRAV	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
R21571	11.10	21.2	0 6	3	0 029	0.66	1.88	0 61	0 04	0.52	5.1	55	46 6	270	2 17	10.1	21 0	93 5	95 9	5.58	0.5	< 0.1	2 0	54 7
R21572	27.79	12 6	0.5	3	0.021	0.41	2.32	0 27	0 04	0.45	3.1	33	33 4	180	2.05	8.0	20.0	66.4	77 0	3.53	0.8	< 0.1	2 5	26 1
R21573	5.80	14 1	0 4	1	0 029	0 62	1.60	0 30	0 06	0.61	4.7	45	41 2	306	2 95	8 3	13.7	37.2	56.8	4 95	0.3	1.9	0 6	25 7
R21574	8.81	18 2	0.4	2	0.051	0.90	2.03	0 50	0 06	0.78	5.4	51	58 9	349	2.98	11.6	19 6	33 7	75 1	6 49	0.3	1 8	0 7	42 8
R21575	16.52	12.6	0.5	3	0.045	0 65	1.76	0 30	0 06	0.56	3.9	44	55 2	244	2.13	8.4	17 5	53 4	88 3	5 51	0 4	2 9	1 1	25 6
R21576	20 41	16.3	0.6	3	0 077	0 89	2 26	0.43	0.06	0 73	5.4	64	87 0	332	2 44	11.0	23.1	75 4	121	7.70	0.5	2.7	1 6	42.1
R21577	18.45	11.1	0 6	3	0.041	0.52	2.00	0.22	0.08	0.47	3 8	63	48.5	217	3 01	8.8	15.9	83.7	90 1	5.17	0.5	2 5	2 1	22.7
R21578	35 45	5 0	0.6	10	0.039	0.19	1 87	0 08	0.06	0.44	2.1	39	32 2	87	2.83	7.1	16 7	80.6	64.6	2 54	0.7	3 8	3.0	7.7
R21579	7.74	5 1	0 2	2	0 023	0.20	0.78	0 09	0 04	0.44	1.9	30	50 1	102	0.70	3.6	6.7	24.4	30 6	2.07	0.2	< 0 1	0.7	6.9
R21580	25.70	13.0	0.5	4	0 052	0 44	1.58	0.28	0.05	0.69	3.3	50	39 7	184	1 76	8 1	19.0	80 5	80 9	4 71	0.3	< 0 1	1.7	27.3
R21581	12.93	6.0	0.5	2	0.060	0 33	1.83	0.11	0.05	1 25	2.3	28	88 7	278	2.78	10.9	11.0	52 9	48.2	4 32	0.2	< 0.1	1.1	8.4
R21582	34 14	6.1	0 5	11	0.032	0.25	1.83	0.12	0 05	0.56	1.8	31	33.5	122	2.85	9.2	18.4	102	59.9	2.25	0.6	< 0 1	2.5	8.7
R21583	12.31	8.0	0 5	1	0 037	0.43	2 18	0 21	0 06	0.58	3 5	42	73.4	371	3.84	26.1	12.8	91 6	44.8	3 96	0.4	< 0.1	1 8	15 9
R21584	20.37	3.8	0.3	2	0 031	0 19	1 35	0 08	0 04	0.51	1.5	16	46 2	95	0 95	3.6	9.9	58.2	52.7	1.98	0.3	2 7	1 0	5 8
R21585	24.67	13.3	0.6	21	0 048	0 49	1 85	0 13	0 06	0 84	1 9	32	86.3	178	2 04	14.1	39.4	114	88.2	3.30	0.7	3.6	2 3	10 1
R21586	12.86	9.9	0.5	4	0 040	0 55	1 97	0 24	0.09	0.42	2.6	44	59 6	214	1.89	6 8	12.6	75.5	51 2	4 77	0.4	3.9	0.9	21 2
R21587	17.15	7.2	0 6	3	0.052	0 45	1.67	0 14	0.08	0 59	3.4	45	110	187	3 61	13.1	18.2	118	97 4	3 73	0.4	3.2	1.5	11 4
R21588	26.53	8.9	0 8	5	0 046	0 41	2.85	0 15	0 08	0 47	3.2	59	43 7	175	2 99	7.0	16.3	147	74.4	4 53	0.5	4.2	3 1	14.7
R21589	37.65	4.6	0 5	7	0 053	0.21	1.66	0 08	0.04	0.56	1.6	27	81 2	94	1 01	3 9	22.2	131	119	2 52	0.5	5.8	1.8	6 8
R21590	30.12	3.6	0 5	4	0 048	0 12	1.56	0 06	0.04	0.36	0.6	19	29.4	55	0 71	3.9	15 4	103	90.3	2.25	0.5	1 3	2 5	4.3
R21591	22.44	6.5	0.5	6	0 043	0 28	1 63	0 14	0 06	0.44	3 0	54	55.4	149	4 32	7.8	15.9	98 5	107	3.51	0.4	0.2	2 2	12.4
R21592	7.54	13.7	0 4	2	0 065	0 61	1.38	0 36	0 05	1.03	5 9	59	45 5	269	1 94	13.9	22 5	121	81.7	5.66	0.3	< 0 1	1.0	32.2
R21593	18.82	5.9	0 5	3	0 026	0.24	1.62	0.12	0 04	0.51	2.7	44	41.0	154	2.89	9.3	11 5	67 7	71.5	2 54	0.3	< 0.1	1.6	10 2
R21594	18 35	4.4	0 5	2	0 026	0.20	1.89	0.11	0 05	0.43	2.8	41	34.6	414	9.46	28 4	14.2	76.9	104	2 20	0 5	< 0.1	2 6	8.9
R21595	10 97	16.3	0.4	< 1	0 053	0.63	1.85	0.48	0 07	0.72	4.3	40	36 6	275	2.07	11.7	20.6	81.6	79.2	5 36	0 1	< 0.1	0 6	40.1
R21596	12.48	6.0	0.2	< 1	0 030	0 29	1.01	0 16	0 04	0 60	2.6	21	45 6	135	1 13	6.5	13.4	63.5	141	2 80	0 3	1 8	0.5	12.4
R21597	12 31	8.3	0.4	< 1	0.030	0.34	1.29	0.15	0.08	0 55	2.8	33	51.4	172	2 57	6 1	10.0	120	42.1	3 58	0.2	4.0	0 9	13 0
R21598	38 03	3.5	0.8	5	0.032	0 11	1 83	0.05	0.04	0 42	0.6	21	21 0	49	0 73	4.5	15 6	202	56.6	2.32	0 6	< 0 1	2.8	4 6
R21599	22 68	8.3	0.4	7	0.033	0 32	1.70	0.10	0.07	0 47	2.0	39	41 9	145	2 38	6 6	14 4	84.7	79.7	3 51	0 3	5.1	1.6	8 7
R21600	5 52	3.8	0.3	1	0.029	0.22	0.93	0.08	0 04	0.39	2 2	33	55.8	105	1.71	3.4	6.0	35.0	31.4	2 63	0.1	5 2	0.5	5 6
R21601	31.73	2.5	0.5	3	0 042	0.13	1.58	0.05	0 04	0.47	1.3	21	60.6	65	1.35	9.7	21.0	172	188	1 69	0 4	4.1	2.0	4 2
R21602	2.18	9.0	0 3	< 1	0 032	0.38	0.88	0.15	0.05	0.69	3.8	40	42 0	507	1.65	9.0	8.8	25.1	41.7	4 08	< 0 1	1.6	0.4	13.1
R21603	5.20	10.4	0.3	1	0 032	0.53	1.17	0 16	0 08	0.59	4.1	44	46 5	284	3 30	9.9	12 1	36.2	44.9	4.90	0.1	1 8	0 7	16.4
R21604	32.98	11.0	0.6	4	0.038	0.37	2.04	0 24	0 08	0.41	2.0	33	22.7	121	1 60	8.0	19 6	152	101	3.67	0.6	< 0.1	3 6	27 1
R21605	32.55	10 3	0.6	5	0.034	0.39	2.12	0.19	0.07	0.53	2.1	32	32.7	143	1 58	7.9	16 4	82.0	58.8	3.31	0.5	0 1	2 4	19 5
R21606	18.42	5 0	0.5	5	0.023	0 25	1.38	0.10	0 04	0.55	1.4	22	44.6	136	1.59	5.5	10 7	73.3	51.0	2.11	0 4	2 8	1.3	7.5
R21607	23.18	6 1	0 5	4	0 025	0 28	1.48	0.11	0.04	0.39	1 6	27	49 4	120	1.95	7.8	12 5	78.6	81 2	2 71	0 5	3.9	1.5	8.5
R21608	7.83	12 9	0.6	4	0.038	0 60	1.58	0.25	0.06	0.50	4.1	41	58 3	212	1 53	6.6	13.0	86.0	67 2	5 27	0.4	2.7	1.6	26.7
R21609	7.46	6.5	0.3	< 1	0.023	0 29	0 71	0 12	0.04	0 55	2.5	35	68 3	130	1 28	4 5	7.4	18 5	26.1	3 15	0.1	1.7	0 4	10.1
R21610	17 42	7 4	0.6	2	0 035	0 39	1.85	0 15	0 08	0 49	3.2	48	37 7	255	4 23	11.7	11 6	61 9	71.0	4.28	0.4	< 0 1	2 2	14 4
R21611	19.48	8.4	0.6	2	0 035	0 35	2.02	0 17	0.07	0 54	3 4	42	58.9	215	5.08	11.9	14 4	73 9	84 4	3.42	0.4	< 0 1	2.3	15.0
R21612	16 08	10 3	0.7	1	0.032	0 54	2.56	0.21	0 07	0.37	3 5	49	33.2	738	6.61	26.9	14.5	87 4	86 6	5 39	0 6	1.3	3.0	22 7
R21613	30.14	4.0	0.2	2	0.011	0.18	0.97	0.10	0.05	0 25	2.0	20	12.7	131	23 7	13.6	14.2	84 0	96 3	1 53	0.5	0 3	4 2	9 3
R21614	8.35	12 4	0 5	2	0 028	0.56	1 57	0.19	0 07	0.40	3 4	51	37 1	298	3.72	8.9	12.5	62 3	76 6	5 59	0.4	5 5	1.0	22 6
R21616	27.68	9 3	0 5	5	0.020	0 30	1 46	0.12	0.04	0.43	1 7	31	29 1	128	1 10	5.1	19.2	99 9	65.8	3.88	0 6	3 2	2 3	15 5
R21617	5.23	10.9	0 4	2	0.026	0.51	1.26	0 19	0 05	0 43	3.5	41	39.1	302	2 19	6 6	11.1	31 8	53.1	5 36	0.2	3.8	0 4	21 8
R21618	1.98	7.3	0 2	< 1	0.019	0 35	0.73	0.15	0 06	0.37	1 5	28	64.8	154	1 27	4.9	6.5	11.4	28 4	3 75	< 0.1	5.8	< 0 1	14 6
R21619	13 57	9.9	0 6	1	0.031	0.44	1 86	0 17	0 06	0 40	3 8	52	33.1	692	4.80	23.7	13.1	74 9	75.6	5 21	0.5	1.6	2.7	21 7
R21620	4 44	7.3	0 3	2	0.019	0.29	0 81	0.12	0 05	0 37	2.8	38	39 1	487	2 17	11.1	7.4	40 0	40.8	3 32	0 2	2.4	0 6	11 6
R21621	9.32	10 9	0 5	1	0.025	0.44	1.64	0 22	0 07	0 55	3.8	48	38 1	248	2 65	8.4	12.1	85 0	65 7	4.73	0 3	0.8	0 9	21.6
R21622	31 70	4 4	0.8	5	0.016	0.18	2.09	0 10	0.04	0.38	1 7	28	21 3	134	3 11	20.1	15.7	234	79 9	2 14	0.7	< 0.1	3 8	9.0
R21623	30 56	8 5	1.0	3	0 024	0.31	2 29	0 19	0 08	0 37	2 4	32	23.5	123	1.93	9 3	19.7	243	90.5	2 83	1.0	< 0.1	5.6	18.9

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Analyte Symbol	LOI	Li	Be	B	Na	Mg	Al	K	Bi	Ca	Sc	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Rb
Unit Symbol	%	ppm	ppm	ppm	%	%	%	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit		0.1	0.1	1	0.001	0.01	0 01	0 01	0 02	0.01	0.1	1	0 5	1	0.01	0.1	0 1	0 01	0.1	0.02	0.1	0.1	0 1	0.1
Analysis Method	GRAV	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
R21624	18.57	15.2	0 8	2	0.026	0 56	2.68	0 31	0.11	0.47	4.0	41	26.6	257	3 11	10 6	19 6	133	116	4 47	0 6	< 0 1	2 4	30.4
R21625	13.25	7 3	0.4	2	0.041	0.35	1.29	0.15	0.09	0 45	1.8	21	81.1	154	1.20	5 5	14 0	47 0	63.0	2.72	0 3	< 0.1	4 3	11 8
R21626	27.88	18 3	0.7	5	0 073	0.71	3.46	0 45	0 10	0.33	2.8	40	39 4	219	2 71	8 6	24 4	142	118	6.53	0 6	4.6	2 0	47 9
R21627	28.58	8.1	0.5	2	0.022	0.27	2.36	0 18	0 08	0.30	2.4	27	20 0	150	6.89	14 2	16.2	86 6	107	2.84	0.5	0 2	2.1	18 3
R21628	37.16	6.1	0.9	8	0.027	0.23	2.16	0 10	0.05	0.52	1.5	37	28 8	94	1.32	5 4	21.2	189	83.4	2 90	0.6	3 2	3 5	10.3
R21629	12.97	6 4	0.5	< 1	0.032	0.40	1.81	0 10	0.07	0.39	2 9	40	33.7	425	7 18	18 0	9.7	58.9	60.7	4 63	0 3	2 2	1.7	10 9
R21630	12.62	7 7	0 4	< 1	0.027	0.33	1.09	0.14	0.06	0.61	2 7	38	53 2	158	2 00	5.7	15 2	56 2	55 1	3 43	0 1	< 0 1	1.1	12.4
R21631	7.43	4 5	0 3	< 1	0.021	0 23	0 77	0 11	0.04	0 49	1.5	14	73 3	109	0.99	3.5	9.1	33.3	39.1	2.28	< 0.1	0.7	0 6	7 7
R21632	19.97	3.6	0.6	3	0.028	0 22	1 70	0 08	0.06	0 42	1.5	23	60 4	107	1.48	6.3	13.3	135	70.8	2.48	0 4	3 0	1 4	6 0
R21633	18.66	4 7	0 9	5	0 036	0.25	2.58	0 08	0.06	0.40	2 4	42	76 7	144	3 50	5.5	9 3	198	50 3	3.32	0 5	5.2	1.7	7.2
R21634	13 87	5 4	0 3	2	0 032	0 21	0 91	0.09	0 02	0 48	1 7	24	83 6	103	0 79	3 9	10 6	48 5	46 1	2 34	0 2	0.5	1.0	7 4
R21635	16 92	6 2	0 4	2	0.021	0.23	1 19	0.14	0 03	0.48	1.9	26	56 1	110	1 34	5 9	13 6	109	79 2	2.30	0.4	< 0 1	1 6	10 1
R21636	11.40	9 1	0 6	1	0.030	0.31	1 52	0.13	0 09	0.48	3.0	37	53 4	173	2.93	9.5	12.7	97 8	91 3	3.60	0.4	1.3	1.5	13 7
R21637	27.72	11.2	0.8	2	0.027	0.28	1 66	0.15	0 06	0.55	2.6	20	25.9	111	0.98	9.7	29 2	279	249	2.17	0.9	< 0.1	3.3	16.0
R21638	10.67	7 5	0 5	1	0.033	0.39	1.41	0 11	0.07	0.55	3 3	39	31.6	407	5.27	25.3	11.4	46.6	57.8	4.09	0.3	0.6	1 2	12.6
R21639	21.14	8.6	0.9	2	0.027	0.39	2.99	0.14	0 10	0.46	2 5	36	30.9	300	3 33	12.2	18 4	128	83.9	4.08	0.5	< 0.1	2 4	13 1
R21640	10.13	7.9	0.4	2	0 023	0.31	0 95	0.12	0 07	0 56	2 3	25	33.9	135	1.83	5.7	12 6	52.5	71 1	2.60	0 2	< 0.1	0 8	10 9
R21641	25.38	3.7	0.8	5	0 031	0 21	1 82	0 06	0 05	0.39	1 4	23	29.4	93	2 46	5.9	14.8	137	102	2.07	0 5	3.2	1.9	5 6
R21642	6.23	5 4	0 6	1	0 027	0 28	1 41	0.08	0.06	0 48	2 8	32	46 7	143	2 84	6.1	7 6	75.5	49.8	3.19	0 3	2 7	0.7	8.0
R21643	23.95	5.2	0 7	2	0.026	0 19	1.31	0 07	0.04	0 52	1.6	19	32.8	85	1 07	5.9	15 5	144	109	1.49	0.5	< 0 1	1 8	6.2
R21644	8.68	9 1	0 4	1	0.023	0.38	1.24	0 15	0.08	0 48	2.4	25	38.7	162	2 46	5 9	12 1	43 5	57 2	2 96	0.2	< 0 1	0 6	12 3
R21645	8 74	5.5	0.3	< 1	0.035	0 35	1.03	0.16	0.07	0.54	1.7	19	87 8	142	1.26	5 1	9 3	25.0	37 6	2 95	0.2	1 1	0 1	11 1
R21646	17.04	8 1	0.5	3	0.033	0.39	1.63	0.11	0 08	0.40	1.8	30	44 4	143	1.28	8.5	18 4	198	75 0	3 22	0.3	2 0	1.4	9 2
R21647	13.35	7.5	0.6	2	0 044	0.38	1 65	0.13	0.07	0.43	2.0	28	91.8	143	1.86	4.8	10 6	70.4	48 9	3 68	0.4	4 2	1 6	11 0
R21648	25.41	7.0	1 2	3	0.028	0.29	2.64	0.10	0 36	0 43	2 2	38	27 5	118	2.05	7.5	15 9	157	84 4	2 98	0 7	2 9	3.4	10 4
R21649	6.63	7.1	0.3	3	0 035	0.34	1 16	0 12	0.08	0 35	1 8	24	77.5	158	1.63	5 1	8 7	42.5	45 4	3 08	0 2	3 6	< 0 1	10 7
R21650	7.06	9 5	0.3	3	0 030	0.38	1 27	0 23	0 07	0 45	1 7	16	69 7	181	1 83	6.3	10.0	33.2	43.5	2 67	0 2	1.6	0.1	17 3
R21651	28.56	14 9	0 8	6	0 044	0.42	2.47	0.27	0 08	0 42	2.6	32	22.7	148	2 41	7.4	20 6	171	94 4	3.85	0 6	< 0 1	2 2	29.1
R21652	20 14	21.0	0.6	3	0.054	0.76	2 40	0.31	0 13	0.45	2 6	34	33.9	241	1.53	8.9	23.0	130	122	5 50	0 5	3 7	1.5	32 9
R21653	5.99	10.3	0.3	2	0.037	0 37	0 96	0.14	0.07	0.46	2 3	26	58 2	138	0 91	3.8	9 9	31 5	44 1	3.53	0.2	1 5	0.4	13 3
R21654	29.24	7.2	0.6	4	0 037	0 25	1.57	0 10	0 06	0 46	1.7	20	22 6	97	1 43	6 5	17 9	130	103	2 02	0.4	< 0.1	2.0	9 5
R21655	11.88	10.7	0.5	2	0 027	0 37	1 82	0 16	0.10	0 45	2.8	23	41 7	233	2.24	6.6	11.3	89 9	65.2	3 01	0.5	< 0 1	1 1	13.6
R21656	22.12	8.3	0 8	4	0.035	0.41	2 47	0 15	0.09	0 33	2.5	36	29 6	489	8.83	31.4	22 1	110	161	4 01	0.7	0 6	3 0	15.6
R21657	25.33	5 5	1.1	4	0 035	0 31	2.38	0 11	0.09	0.27	2.1	30	38 0	170	7.61	9 4	12.7	128	126	3 29	0.8	4.2	3 2	11 7
R21658	14.86	11 9	0 7	3	0 029	0 54	1 34	0 14	0.07	0.57	2.8	36	34 4	176	1.61	5 7	15 3	46 9	81.5	4 93	0 5	3 3	1.4	16 0
R21659	14.19	13 3	0 5	2	0.040	0 51	1.52	0 24	0 04	0.69	3 5	35	57.5	181	1.46	6.8	21 0	86 7	85 5	4 53	0.4	0 9	1.0	23.9
R21660	6.44	18 3	0 7	2	0.042	0.58	2 02	0 35	0 06	0.50	4 8	42	101	1050	4.01	39.4	22.3	76.1	85 1	5 64	0.3	< 0.1	0.4	36.9
R21661	21.56	15.4	0 9	5	0.049	0 65	2.40	0 25	0.07	0 50	3 4	45	45 3	213	2 24	8.6	22.1	175	124	5.40	0 8	3 8	2.0	29.0
R21662	21 48	16 4	0 7	2	0.043	0.57	1 65	0 31	0.06	0.46	4.0	30	45 8	212	2 64	16 5	31.0	147	120	4 58	1.1	< 0 1	3 1	32.9
R21663	14.22	9 6	0.4	3	0 038	0.57	1.66	0.21	0 08	0.44	3.0	33	62 6	226	6.52	10.9	22 6	62 2	93.9	4.48	0 4	1 6	1.2	20.5
R21664	30.08	7.3	1.0	5	0.037	0.29	2.61	0.11	0.08	0 41	1.6	29	42.2	118	2 11	9.5	29 5	336	72.6	3.45	0.9	5 8	3 4	12 8
R21665	27.72	8.6	0 6	4	0 034	0 34	1.74	0 16	0 08	0.39	1.7	28	35.0	140	2.57	9 9	15 6	113	104	2.94	0 6	1.2	2 2	17.5
R21666	1.50	7.7	0 2	1	0 012	0.28	0.59	0 16	0.02	0 36	1 1	15	64 6	133	1.08	4.3	6 7	9 59	23.5	2.45	< 0.1	< 0.1	< 0 1	12 7
R21667	22.72	8 2	0 4	2	0 022	0.32	1 46	0.11	0.07	0 51	1.6	22	29 2	141	1.10	6.8	14.3	74 6	51 9	2.61	0.4	0.3	1 4	10.3
R21668	27.94	8 7	0.8	4	0 020	0.36	2 43	0.15	0 06	0.36	1.2	22	20 9	136	1 70	8.1	16 3	164	120	2.77	0.8	1.9	2.5	14 4
R21669	34.43	4 3	0.8	4	0.036	0.15	1 70	0 06	0 05	0.38	0.7	21	22 5	56	1.09	4.0	15 7	103	59.3	2 44	0 4	< 0 1	2 7	6 1
R21670	35.24	5.6	0 9	5	0.031	0.23	2.61	0 08	0.08	0.34	1.0	20	21 7	82	1.44	4.1	14 0	133	79.1	2.54	0.7	3 9	2.9	8 4
R21671	28 47	8.0	0 9	10	0 029	0 24	2.14	0 08	0.08	0 36	0.9	27	31 3	130	1.89	5.9	13 8	138	102	2 62	0.6	4 0	2.8	8.6
R21672	17.33	13 0	0 5	2	0.044	0.63	2.12	0.24	0 12	0.45	2 8	30	36.7	223	2.33	8.4	15 9	62.6	87.0	4.47	0.5	1 0	1.3	23 2
R21673	22.29	24 4	0 8	4	0.038	0.62	2.36	0.37	0 15	0.44	3.1	36	27.4	204	1.98	9.0	25.5	170	135	5.13	0.6	< 0.1	1 9	39 7
R21674	28.90	15 8	0.6	6	0.040	0 56	1 75	0.17	0 12	0.50	1 8	35	30.7	165	1.29	6 9	21.6	119	120	4.42	0 5	2 5	1 8	17.8
R21675	13 01	18 4	0.6	1	0.034	0.59	1 85	0 28	0.11	0 49	3.2	31	35.5	242	1.66	9.2	19 2	87 3	110	4 22	0 3	< 0 1	1.2	24 5

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Analyte Symbol	LOI	Li	Be	B	Na	Mg	Al	K	Bi	Ca	Sc	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Rb
Unit Symbol	%	ppm	ppm	ppm	%	%	%	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit		0.1	0 1	1	0.001	0.01	0.01	0.01	0.02	0.01	0.1	1	0.5	1	0.01	0.1	0.1	0 01	0 1	0 02	0.1	0.1	0.1	0.1
Analysis Method	GRAV	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
R21676	15.87	22 6	0.7	3	0.050	0 90	2.59	0.31	0.20	0.47	3.0	42	63.0	311	2.59	10.6	28.5	114	95.1	6.74	0 5	2.9	1 7	33 3
R21677	10.31	17 3	0.7	3	0.041	0.66	2.19	0 25	0.15	0.51	4.5	53	48.8	309	4 38	9.4	19 6	113	116	6.07	0 5	2 4	1 6	28.9
R21678	15.40	10.8	0.7	3	0 031	0 37	2 00	0 16	0.11	0.44	2 6	38	38.8	506	3 68	15 1	13 3	87 4	74.0	3 73	0.4	< 0.1	1 8	15 6
R21679	14.26	8 8	0.5	1	0 026	0 37	1 52	0 16	0 12	0.41	2 5	23	26.7	5270	7 26	72 4	12.2	76.8	56.3	3.26	0.4	< 0.1	1.7	15 3
R21680	7.11	9 6	0.6	< 1	0 024	0.46	1.56	0.19	0 11	0.44	2.8	28	53 8	339	3.33	15 6	11.1	61 9	60.3	3 77	0.3	< 0.1	0.2	17 4
R21681	12.64	8.1	0.6	2	0 026	0.40	1.86	0.16	0.09	0.39	2.2	29	38 1	183	2 62	6.8	10.8	84 5	68 6	3 52	0.5	2 9	1.1	14.4
R21682	19.80	8 5	0.8	3	0 025	0 41	2 20	0.16	0 08	0 37	2.5	34	33.9	187	3.58	9.6	14.0	120	132	3 71	0 7	3.1	2 0	15 8
R21683	44 00	7.7	0.6	9	0.018	0 25	1.76	0.09	0.06	0 45	0.6	13	13 3	84	0.84	4.5	21 0	131	59 6	2 28	0.7	< 0.1	2 5	9.5
R21684	3 78	35.7	0.6	2	0.047	1 35	2.50	0.63	0.07	0.84	7 0	66	44 4	594	3.61	16.5	27.1	60.8	124	10.6	0 3	2 2	< 0 1	64.9
R21685	18.23	12 6	0 7	3	0 038	0 66	2.23	0.26	0 10	0.48	2.4	36	29 2	226	1.92	7.8	16.2	84 7	67 9	5.39	0.5	2.6	1 6	26.1
R21686	2.00	8 6	0 2	< 1	0.023	0.38	0.71	0 18	0 03	0 42	1.6	22	59 4	155	1 23	4.7	6.5	11.6	30.5	3.62	0.1	1.1	< 0 1	15 4
R21687	9.11	10.3	0 4	< 1	0 026	0.43	1.30	0.21	0.07	0 47	2 5	28	49.2	165	1.76	5.8	14 6	41.7	53.4	3.69	0 3	< 0.1	0.7	18 0
R21688	12 61	11.0	0.4	2	0 041	0 56	1.74	0 29	0 09	0 41	3.6	34	34 9	290	7.31	16.2	16 3	75 0	85.8	5.09	0.4	< 0.1	1 2	27.4
R21689	16 29	10.7	0.4	5	0 036	0 47	1.45	0 20	0 07	0 40	2.7	40	37.5	226	3 15	7.5	15 2	63 3	88.5	4.77	0.4	2.7	1 3	21 7
R21690	10.37	17.1	0.5	2	0 043	0 64	1.37	0 35	0.06	0.64	4.1	42	39 1	258	2 18	10.2	19 6	65 3	91 0	5 68	0.3	< 0.1	0 9	35 9

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Analyte Symbol	Sr	Y	Zr	Nb	Mo	Ag	Cd	In	Sn	Sb	Te	Cs	Ba	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er
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	0.5	0.01	0.1	0.1	0.01	0.002	0.01	0.02	0.05	0.02	0.02	0.02	0.5	0.5	0.01	0.1	0.02	0.1	0.1	0.1	0.1	0.001	0.1	0.1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
R21571	37.9	38.2	3.1	3.1	3.66	0.273	0.38	< 0.02	0.73	< 0.02	< 0.02	1.24	145	204	453	53.9	182	26.5	3.7	17.7	1.8	8.61	1.5	3.7
R21572	29.3	38.4	3.0	2.7	3.92	0.288	0.45	< 0.02	0.43	< 0.02	< 0.02	1.10	67.7	299	521	73.4	266	37.5	5.1	24.4	2.2	9.65	1.6	3.7
R21573	48.0	21.5	3.3	2.9	3.33	0.045	0.08	< 0.02	0.70	< 0.02	< 0.02	1.04	68.8	81.6	186	24.1	89.5	14.1	2.3	9.8	1.0	4.94	0.9	2.2
R21574	52.6	20.0	6.2	4.4	4.16	0.093	0.10	< 0.02	0.83	< 0.02	< 0.02	1.49	128	97.3	191	24.6	90.3	13.7	2.2	9.3	0.9	4.63	0.8	2.0
R21575	43.2	30.3	4.4	4.9	4.17	0.110	0.32	< 0.02	0.77	< 0.02	< 0.02	1.11	83.5	130	238	33.3	122	18.4	2.9	12.2	1.2	5.99	1.1	2.8
R21576	60.2	32.5	5.3	5.0	6.23	0.174	0.31	0.02	1.99	< 0.02	< 0.02	1.48	118	146	267	38.5	142	20.7	3.1	13.1	1.3	6.60	1.2	3.1
R21577	35.7	43.3	2.9	3.1	4.26	0.259	0.35	< 0.02	0.53	< 0.02	< 0.02	0.97	88.3	165	327	43.7	156	22.5	3.4	13.9	1.5	7.68	1.4	3.8
R21578	25.0	61.2	2.1	2.6	4.78	0.332	0.34	< 0.02	0.41	< 0.02	< 0.02	0.44	46.8	292	537	70.8	251	33.9	5.1	21.6	2.2	10.9	2.0	5.1
R21579	30.0	18.1	1.8	3.4	3.53	0.047	0.17	< 0.02	0.52	< 0.02	< 0.02	0.34	31.8	75.3	166	19.8	69.2	9.9	1.6	6.4	0.7	3.71	0.7	1.7
R21580	44.9	26.3	2.9	3.6	3.23	0.237	0.33	< 0.02	0.52	< 0.02	< 0.02	1.18	115	140	243	34.6	120	16.3	2.4	10.1	1.1	5.35	1.0	2.5
R21581	96.3	20.6	1.6	2.0	18.5	0.200	0.12	< 0.02	0.40	< 0.02	< 0.02	0.32	27.8	128	224	27.6	88.5	11.3	1.9	7.8	0.8	4.13	0.8	2.0
R21582	27.8	50.2	2.5	2.8	8.25	0.335	0.21	< 0.02	0.45	< 0.02	< 0.02	0.58	44.4	272	483	63.5	226	30.4	5.0	21.7	2.1	10.3	1.9	4.7
R21583	41.8	26.3	2.4	2.7	8.11	0.174	0.08	< 0.02	0.57	< 0.02	< 0.02	1.01	57.1	119	387	37.7	141	22.1	3.7	14.5	1.5	7.21	1.2	3.2
R21584	31.2	24.2	1.7	2.9	4.14	0.176	0.29	< 0.02	0.37	< 0.02	< 0.02	0.37	61.9	118	238	30.3	115	17.0	2.7	11.7	1.1	5.33	0.9	2.3
R21585	95.3	58.6	2.4	2.5	7.56	0.294	0.32	< 0.02	0.49	< 0.02	< 0.02	0.74	32.6	210	424	60.6	228	34.6	5.7	22.9	2.2	11.0	2.0	5.1
R21586	37.5	34.0	1.9	2.0	5.80	0.100	0.09	< 0.02	0.60	< 0.02	< 0.02	1.35	75.4	114	262	38.2	146	22.1	3.6	13.9	1.4	7.04	1.3	3.4
R21587	43.3	38.1	3.9	4.0	22.3	0.178	0.51	< 0.02	0.64	< 0.02	< 0.02	0.71	26.3	133	264	38.0	141	21.5	3.5	14.3	1.4	7.24	1.3	3.5
R21588	37.5	47.3	2.9	3.8	9.17	0.258	0.49	< 0.02	0.68	< 0.02	< 0.02	1.03	67.1	165	377	48.8	182	27.6	4.3	17.3	1.8	9.37	1.7	4.6
R21589	35.8	40.6	1.5	2.2	6.72	0.296	0.51	< 0.02	0.35	< 0.02	< 0.02	0.50	65.8	180	371	48.4	175	24.9	3.6	15.1	1.5	7.33	1.3	3.5
R21590	31.6	44.1	0.7	1.3	3.64	0.287	0.54	< 0.02	0.17	0.04	< 0.02	0.38	77.4	195	410	52.2	194	27.6	4.0	16.5	1.6	8.32	1.5	3.9
R21591	37.3	35.6	2.6	2.9	7.10	0.244	0.41	< 0.02	0.49	< 0.02	< 0.02	0.64	62.6	133	247	34.3	120	17.0	2.5	10.4	1.1	5.94	1.1	3.1
R21592	75.0	23.8	5.9	4.6	8.46	0.241	0.22	< 0.02	0.76	< 0.02	< 0.02	1.25	103	129	243	34.0	116	15.7	2.2	9.1	0.9	4.70	0.8	2.1
R21593	34.9	35.4	1.8	2.5	6.45	0.196	0.34	< 0.02	0.38	< 0.02	< 0.02	0.59	64.6	140	314	37.4	132	18.5	2.9	12.4	1.3	7.05	1.3	3.4
R21594	32.2	46.5	2.7	2.1	5.61	0.297	0.43	< 0.02	0.58	< 0.02	< 0.02	0.52	61.4	184	493	46.8	164	22.9	3.7	17.0	1.8	9.20	1.7	4.5
R21595	53.3	14.9	3.7	3.2	4.84	0.173	0.19	< 0.02	0.58	< 0.02	< 0.02	1.58	139	81.0	143	19.9	68.6	9.5	1.5	6.4	0.6	3.15	0.5	1.4
R21596	41.3	19.2	3.4	3.7	4.57	0.090	0.36	< 0.02	0.49	< 0.02	< 0.02	0.67	70.0	91.1	167	24.7	90.8	13.7	2.1	9.3	0.9	4.22	0.7	1.8
R21597	42.3	17.5	2.8	3.9	5.62	0.106	0.12	< 0.02	0.61	< 0.02	< 0.02	0.71	46.5	73.9	149	21.5	80.7	12.1	1.9	7.8	0.7	3.72	0.7	1.7
R21598	29.8	58.5	0.8	1.1	5.78	0.409	0.41	< 0.02	0.18	0.04	< 0.02	0.52	65.6	241	484	65.2	226	32.0	4.8	19.8	2.1	10.7	1.9	4.8
R21599	34.5	28.6	2.6	3.4	11.4	0.126	0.29	< 0.02	0.52	< 0.02	< 0.02	0.67	46.1	113	236	29.1	104	15.2	2.3	9.6	1.0	4.95	0.9	2.4
R21600	35.8	16.2	2.2	3.1	7.51	0.040	0.06	< 0.02	0.55	< 0.02	< 0.02	0.31	19.3	50.8	120	16.4	60.0	9.1	1.4	5.7	0.6	3.01	0.5	1.4
R21601	29.4	37.9	0.9	1.6	12.8	0.269	0.56	< 0.02	0.27	< 0.02	< 0.02	0.28	42.9	196	371	49.1	171	23.5	3.1	13.6	1.3	6.39	1.2	3.0
R21602	56.0	12.5	3.7	3.9	3.09	0.015	0.09	< 0.02	0.74	< 0.02	< 0.02	0.54	34.4	38.5	94.1	12.1	45.2	7.3	1.2	4.3	0.5	2.51	0.5	1.2
R21603	54.6	16.4	2.8	2.8	3.23	0.068	0.09	< 0.02	0.66	< 0.02	< 0.02	0.98	48.9	61.6	119	15.6	55.2	7.7	1.3	5.0	0.5	2.84	0.5	1.4
R21604	32.6	60.7	1.7	1.5	5.54	0.599	0.33	< 0.02	0.33	< 0.02	< 0.02	1.49	60.2	241	408	64.2	230	33.4	5.4	20.8	2.2	11.1	2.0	5.2
R21605	34.1	41.1	2.2	2.2	3.16	0.399	0.27	< 0.02	0.38	< 0.02	< 0.02	1.31	69.3	180	347	46.3	175	25.3	4.0	16.6	1.7	8.74	1.5	3.8
R21606	45.5	36.9	1.4	2.6	8.01	0.158	0.38	< 0.02	0.44	< 0.02	< 0.02	0.46	44.5	156	260	40.0	148	22.2	3.7	15.4	1.5	7.64	1.4	3.5
R21607	32.6	39.6	2.1	3.1	7.41	0.128	0.28	< 0.02	0.37	< 0.02	< 0.02	0.54	42.9	183	327	48.1	181	25.1	4.0	16.3	1.5	7.47	1.3	3.5
R21608	49.2	32.4	5.2	3.8	5.87	0.117	0.10	< 0.02	1.09	< 0.02	< 0.02	1.49	88.7	126	251	38.5	144	22.0	3.4	12.9	1.3	6.34	1.2	3.2
R21609	41.9	11.5	2.9	3.3	4.82	0.032	0.07	< 0.02	0.53	< 0.02	< 0.02	0.39	33.4	45.9	86.6	11.6	41.6	6.1	1.0	3.7	0.4	2.10	0.4	1.0
R21610	39.5	39.7	2.1	2.8	3.69	0.211	0.28	< 0.02	0.54	< 0.02	< 0.02	0.76	71.9	147	310	38.3	138	20.5	3.2	13.9	1.4	7.35	1.4	3.6
R21611	38.3	41.2	2.3	2.9	5.99	0.277	0.30	< 0.02	0.52	< 0.02	< 0.02	0.79	73.3	181	346	41.8	145	21.1	3.4	15.3	1.6	8.26	1.5	4.0
R21612	38.3	57.3	3.2	3.2	3.27	0.311	0.35	< 0.02	0.62	< 0.02	< 0.02	1.07	83.1	220	526	54.9	195	29.1	4.3	19.7	2.1	10.3	1.9	5.2
R21613	18.4	33.5	6.1	1.8	6.71	0.392	0.56	< 0.02	0.23	< 0.02	< 0.02	0.42	34.3	173	204	35.1	118	15.3	2.4	11.0	1.1	5.60	1.0	2.7
R21614	46.9	34.1	2.6	2.4	4.46	0.054	0.06	< 0.02	0.72	< 0.02	< 0.02	1.12	59.6	125	257	35.1	128	18.8	2.9	12.0	1.2	5.96	1.1	3.2
R21616	36.3	45.8	1.9	2.3	2.23	0.206	0.56	< 0.02	0.42	< 0.02	< 0.02	0.80	84.8	186	313	52.7	199	28.5	4.2	16.6	1.6	8.00	1.5	3.8
R21617	50.4	18.1	2.8	2.4	2.58	0.015	0.06	< 0.02	0.69	< 0.02	< 0.02	0.98	49.9	61.3	151	20.1	75.7	11.3	1.8	7.0	0.7	3.36	0.6	1.8
R21618	40.7	4.67	2.5	3.6	4.15	< 0.002	0.18	< 0.02	0.56	< 0.02	< 0.02	0.49	29.1	20.9	46.8	5.1	17.9	2.9	0.5	1.8	0.2	1.10	0.2	0.5
R21619	43.3	50.6	2.2	2.2	3.25	0.221	0.27	< 0.02	0.61	< 0.02	< 0.02	0.92	67.8	178	447	44.7	154	22.6	3.4	14.6	1.5	8.28	1.6	4.4
R21620	37.4	20.6	2.4	3.9	4.25	0.015	0.11	< 0.02	0.86	< 0.02	< 0.02	0.51	30.5	62.3	166	21.8	79.2	12.1	1.9	7.1	0.8	4.15	0.8	2.1
R21621	48.2	33.9	2.0	2.0	7.44	0.132	0.13	< 0.02	0.62	< 0.02	0.03	1.08	50.8	105	252	34.3	126	19.0	2.9	12.3	1.3	6.68	1.2	3.3
R21622	26.6	68.8	1.1	1.7	6.88	0.486	0.43	< 0.02	0.23	< 0.02	< 0.02	0.54	73.2	316	685	72.8	254	35.0	5.8	24.1	2.5	12.7	2.4	6.4
R21623	28.6	81.2	2.3	2.1	15.9	0.552	0.69	< 0.02	0.34	< 0.02	< 0.02	1.02	45.4	358	636	80.1	320	45.8	7.5	31.1	3.2	15.7	2.9	7.7

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Analyte Symbol	Sr	Y	Zr	Nb	Mo	Ag	Cd	In	Sn	Sb	Ta	Cs	Ba	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er
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	0 5	0.01	0.1	0 1	0 01	0.002	0.01	0.02	0 05	0.02	0 02	0.02	0.5	0.5	0 01	0.1	0.02	0.1	0 1	0 1	0 1	0.001	0.1	0.1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
R21624	40.9	52.1	2.6	2.6	9.34	0.287	0.34	< 0 02	0 44	< 0 02	< 0.02	2.03	100	179	392	51 3	189	29 0	4 6	20.1	2.1	10.3	1 9	4 9
R21625	33.6	26 9	1 5	1.5	10.3	0 152	0.26	< 0.02	0 54	< 0 02	< 0 02	0 96	55.4	110	194	27.9	104	14 6	2 4	10 1	1.0	4.69	0.9	2 3
R21626	31.5	45.6	3.0	2.7	5 06	0 335	0.54	< 0.02	0 47	< 0 02	< 0 02	2.90	52.1	191	320	51.5	191	27.0	4 0	16.8	1.6	8.04	1 5	4.0
R21627	22 4	46.3	2 2	1.9	5 84	0 386	0.31	< 0 02	0 36	< 0 02	< 0 02	1 27	56 2	201	383	49.5	176	24.9	4 0	17 7	1.7	8.70	1 6	4.1
R21628	33.6	59.2	1 9	2.6	4.90	0.437	0.43	< 0 02	0 26	< 0 02	< 0.02	0.61	76 6	244	471	62.3	222	30 7	4 7	18 9	2.0	10.2	1 9	5.0
R21629	45.9	28 5	3 0	2.5	5 53	0 134	0.33	< 0.02	0 55	< 0 02	< 0.02	0.76	42 4	79 1	252	24.4	93.0	14.4	2 3	10.0	1.0	5.11	1 0	2.6
R21630	51.3	18 7	2.1	3 0	6.13	0.089	0.28	< 0 02	0.49	< 0.02	< 0.02	0.77	50.9	86.3	128	17.2	60 1	8.9	1 5	6.1	0.7	3 50	0.6	1 6
R21631	42.4	11.6	2 1	2 8	8 48	0.043	0 15	< 0 02	0 41	< 0.02	< 0.02	0.40	37.3	42 1	78 8	10.8	39 9	6.1	1 0	4.5	0 5	2 22	0.4	1 0
R21632	30.9	33 8	1 6	2 5	13.8	0.176	0.34	< 0.02	0.36	< 0 02	< 0.02	0 49	43 8	121	240	33 4	127	19 4	3.0	13 4	1 3	6 63	1 2	3 0
R21633	33.2	44.5	2 1	2 6	36 2	0.165	0.01	< 0.02	0.51	< 0 02	< 0.02	0.63	26 3	157	395	51.4	189	27.7	3.9	16 5	1.6	8 02	1 5	3 9
R21634	40.9	23.5	2.1	3 5	7 66	0.077	0.19	< 0.02	0.48	< 0.02	< 0.02	0.31	43.6	93.1	181	25.4	90 9	12.8	1 9	7 5	0 8	4.06	0.8	2 0
R21635	40.8	38.8	1.7	2 4	6 25	0.172	0.33	< 0.02	0 34	< 0 02	< 0 02	0.38	47 6	168	305	42.4	150	20.9	3 2	14.1	1 4	6 90	1.3	3 3
R21636	51.3	35 7	2.3	2.3	11 1	0 118	0 11	< 0 02	0.45	0.02	< 0.02	0 97	51 1	104	268	31.5	113	16 5	2.5	10.5	1.1	5 78	1.1	3.1
R21637	49.6	78.0	4.0	3.0	6.82	0 400	0.60	< 0 02	0 35	0 02	< 0.02	1 69	84 4	258	505	75.8	287	44.1	5 8	30.2	3.1	14 9	2.7	7.0
R21638	62 5	24.1	3.4	3 1	3 71	0.145	0.19	< 0 02	0 53	< 0.02	< 0 02	0 60	57 1	77.4	182	21.0	74.3	10.8	1 7	6 9	0.7	3.81	0.7	2.1
R21639	41.4	42.2	1.9	2 9	10.6	0.187	0.37	< 0 02	0.42	< 0.02	< 0.02	1.29	55.7	129	288	34.8	131	20.5	3 3	14 8	1 5	7.83	1 5	3.8
R21640	50 3	16.9	2 4	2 8	6.07	0.081	0 25	< 0.02	0 46	< 0.02	< 0.02	0.65	48 7	59 6	110	15 1	53.9	7.8	1 3	5 3	0 6	2.95	0 6	1.5
R21641	32 6	43.3	1 5	2 3	15 5	0 281	0.35	< 0.02	0 31	< 0.02	< 0 02	0.46	63.5	144	280	39 2	147	21.3	3 2	14 1	1.4	6.93	1 3	3.6
R21642	46.4	29.7	2 4	2 9	8 95	0.066	0.03	< 0.02	0.57	< 0.02	< 0 02	0 52	25 1	55.5	191	23.4	89 8	14.4	2 2	9 0	1 0	5.21	1.0	2 8
R21643	37 3	44.9	1 6	2 4	9 76	0.179	0.40	< 0 02	0 30	< 0 02	< 0.02	0.46	59 1	157	299	41 5	148	21 4	3.2	14.2	1 5	7.47	1 4	3 7
R21644	44 7	17.6	2 3	3 1	6 26	0.060	0.12	< 0.02	0.53	< 0 02	< 0.02	0 77	43 0	82 8	115	16.1	67.0	8 6	1 5	6 1	0.6	3.24	0.8	1 6
R21645	51.6	18.4	3 1	4 1	9 13	0.030	0.08	< 0.02	0 63	< 0 02	< 0.02	0.52	44 9	61 2	122	17.1	64.0	9 8	1.6	8.6	0.7	3.23	0 6	1 6
R21646	38.3	22.1	2.2	2.6	7 69	0.145	0.40	< 0.02	0 42	< 0 02	< 0.02	0.70	48 5	84 9	175	22.9	83.4	12 1	2.1	7.7	0.8	3.82	0 7	1 9
R21647	48.2	35.7	2.0	2.5	12 1	0.112	0 13	< 0.02	0.48	< 0 02	< 0.02	0.59	41.2	105	234	30.6	111	16 1	2.5	9.9	1.0	5.25	1 0	2 9
R21648	35.4	71 3	1 6	2 9	8.29	0.360	0.40	< 0 02	0.31	< 0 02	< 0.02	0.81	54 6	230	518	63.5	228	32.6	5.0	20 0	2 2	11 5	2 3	6 3
R21649	38.1	17 1	1 9	2 1	9 66	0.037	0.06	< 0 02	0.46	< 0 02	< 0 02	0.68	35.0	53.5	122	17.0	62 7	9.3	1.5	5 8	0.6	2 98	0.6	1 6
R21650	43.0	15 8	1.6	2 0	7.25	0.075	0 07	< 0 02	0.38	< 0.02	< 0 02	0.87	56 5	52 5	131	14.6	53 2	7.9	1 3	5 6	0.6	2 97	0 6	1 5
R21651	38.0	54 4	2.1	2.0	3.74	0.469	0.40	< 0 02	0.20	< 0 02	< 0.02	1.53	51 2	228	379	58 0	206	27.8	4.1	16 9	1.8	8 78	1.7	4.6
R21652	45.7	35.6	2.5	2 1	5.01	0.233	0.51	< 0 02	0.41	< 0.02	< 0 02	2.18	64.5	142	243	39.3	147	21.1	3.2	12 7	1.2	5 89	1.1	3.1
R21653	46.4	13 7	2.7	2.9	4.78	0 048	0.12	< 0 02	0.61	< 0.02	< 0.02	0.70	43 3	48 0	92.5	14.3	52 6	7.5	1.2	4 5	0.5	2 38	0.5	1.2
R21654	36.4	35 8	1.3	1.6	2.38	0.310	0 49	< 0.02	0.20	< 0 02	< 0 02	0.65	45.0	144	282	36.0	125	17.3	2.8	11 4	1.2	6.16	1.2	3.2
R21655	39.3	43 7	1 8	2.1	7.89	0.125	0.17	< 0.02	0.41	< 0 02	< 0 02	1.02	47 0	126	289	39.8	151	23 4	3.7	16 2	1.7	8.15	1 5	4 1
R21656	34.5	53 6	3.3	2 4	7.94	0.243	0.55	< 0.02	0.65	< 0 02	< 0.02	1.14	92 5	181	400	45.8	168	25 5	4.1	17 9	1.8	8.89	1.7	4 8
R21657	26 5	67 4	2 9	2.1	10.3	0.353	0.47	< 0.02	0 45	< 0 02	< 0.02	0.77	48.3	259	406	58.3	202	28.6	4.5	18.7	2.0	10 1	2 0	5.5
R21658	56 2	44.0	3 2	4 4	3 06	0.100	0.18	< 0 02	0.70	< 0 02	< 0.02	0.93	63 3	166	276	39 9	141	19 2	2 9	12 0	1.2	6.33	1.3	3 4
R21659	58.8	29.9	2 9	3.4	4 37	0.161	0.25	< 0.02	0.53	< 0.02	< 0.02	1.10	76 5	116	219	32.0	114	15 8	2.4	9.8	1.0	4.98	1 0	2 5
R21660	56 3	21.7	2.4	2.0	12.3	0.081	0.09	< 0.02	0.68	< 0.02	< 0.02	1.42	95 1	66 5	297	21.8	82.3	13 5	2 1	8 8	0.9	4.68	0.9	2 4
R21661	48.0	63 0	2.7	3 2	6.99	0.254	0.46	< 0.02	0 50	< 0.02	< 0.02	1.24	57.9	209	437	60.1	221	33.2	5 1	20 2	2.0	10.1	2.0	5 5
R21662	46.3	74 3	5.5	3 6	14 6	0.229	0 31	< 0.02	0 52	< 0.02	< 0.02	1.57	49.9	322	484	69.2	325	48 3	6.6	29 9	2.9	13 6	2.5	6.7
R21663	41.2	28.5	3.4	3 3	6 76	0.189	0 29	< 0.02	0 59	< 0.02	< 0.02	1.17	64.0	115	197	28.0	101	15 2	2.3	10.1	1.0	5.01	0 9	2 5
R21664	32.9	60.1	1.6	2 1	13.2	0.600	0.43	< 0.02	0 35	< 0.02	< 0.02	1.12	54 6	241	512	68.7	253	37 0	5.8	22.1	2.2	11 0	2 0	5.4
R21665	33.9	48.3	1 4	1 8	8.11	0.291	0.29	< 0.02	0.47	< 0 02	< 0.02	0 98	71.4	198	448	49.4	170	23 3	3.5	14 2	1.5	7.71	1.5	4 2
R21666	37.1	3.74	2.1	2.9	6 01	0.004	0.03	< 0 02	0.37	< 0 02	< 0 02	0.40	25 4	15.9	34 8	3.7	12.9	2 1	0.4	1 5	0.2	0 935	0.2	0.4
R21667	37.6	28.9	2.0	2 9	4 22	0.166	0.31	< 0.02	0.35	< 0 02	< 0.02	0.76	63 5	133	233	32.3	118	16.8	2 7	11 9	1.2	5.61	1.0	2.6
R21668	28 8	61.4	1 3	1 7	8.40	0 322	0.59	< 0.02	0.24	< 0.02	< 0.02	0.96	76 0	253	483	63.8	237	34.8	5 5	23 5	2.3	11 0	2.1	5 3
R21669	29 1	51.8	0 9	1.3	4.52	0.309	0 31	< 0 02	0.16	0.03	< 0.02	0 55	73 7	204	392	52.4	213	27.7	4 5	19.2	2.0	10 1	1 8	4.1
R21670	30 7	61.8	1.4	1.6	8.75	0.501	0.53	< 0 02	0 15	< 0 02	< 0.02	0.71	35 2	202	388	55 3	207	30.9	4 9	19.3	2 0	9 74	1 9	5.1
R21671	30.1	52 6	0.9	1 2	7.76	0 399	0.71	< 0.02	0.29	< 0 02	< 0.02	0.64	61.8	176	331	45.7	164	23 5	3 6	14 7	1 5	7.64	1.5	4.2
R21672	42.2	38.3	2 2	2 2	7.18	0.249	0.28	< 0.02	0 39	< 0.02	< 0 02	1.63	78 2	147	240	37.4	139	20 5	3.3	13 6	1.4	6.53	1.3	3 3
R21673	42.2	55 4	2 3	2.2	11.4	0.372	0.51	< 0.02	0 34	< 0 02	< 0.02	2.62	29 5	194	299	50.9	179	25 8	4 1	17 0	1.8	9.20	1.8	4.8
R21674	48.0	33.8	2 6	2.4	12 0	0.344	0.61	< 0 02	0 39	< 0.02	< 0.02	1.36	19 9	142	245	36.7	131	18 1	3 0	11 1	1.1	5 58	1.1	3.0
R21675	44 8	28 3	1 9	2.1	6 23	0.152	0 51	< 0 02	0 52	< 0.02	< 0.02	1.59	98.8	105	191	26.1	92.9	13 8	2 3	9.8	1.0	4.99	0 9	2 5

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Analyte Symbol	Sr	Y	Zr	Nb	Mo	Ag	Cd	In	Sn	Sb	Te	Cs	Ba	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er
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	0.5	0.01	0.1	0.1	0.01	0.002	0.01	0 02	0.05	0.02	0.02	0 02	0 5	0 5	0.01	0.1	0 02	0.1	0 1	0.1	0.1	0.001	0.1	0.1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
R21676	46.8	42 3	1.7	2 1	16 4	0.186	0.30	< 0 02	0 54	< 0.02	< 0 02	2 92	93 7	139	273	38.5	142	21.0	3.3	13.5	1 3	6 61	1.2	3 5
R21677	58.7	43 8	3 0	2 5	12 2	0.083	0.14	< 0 02	0 62	< 0.02	< 0.02	1.86	90 6	122	260	37.3	135	20 6	3 2	12.7	1.4	7 22	1.4	4 0
R21678	42.1	33 8	1 8	1.9	8 32	0.185	0.22	< 0.02	0 44	< 0 02	< 0.02	1.13	62 6	99 9	319	28.8	103	15.9	2 6	11.3	1 2	6.37	1.2	3 2
R21679	39.2	26 2	2 1	1.0	6 14	0.286	0.20	< 0.02	0 48	< 0.02	< 0.02	1.06	65 7	100	207	23.2	79.6	12.0	2.0	8.9	1.0	4 81	0 9	2 4
R21680	43.7	23 2	1.7	1 9	7 64	0.081	0.08	< 0 02	0.50	< 0 02	< 0 02	1.12	52 7	69 2	217	22.1	86 3	14 0	2 3	10 1	1.0	5.03	0.9	2 4
R21681	36.0	35 3	1 5	1 9	6.50	0.129	0.10	< 0.02	0 44	< 0 02	< 0 02	1.03	55 8	114	303	34 3	129	19 9	3.2	14.0	1.4	7 01	1.3	3.5
R21682	36 5	47.0	2.0	2 6	9.08	0 180	0.41	< 0 02	0 38	< 0.02	< 0.02	1.06	68 8	188	379	48 1	177	25 8	4.0	16.7	1 7	8.16	1.6	4.3
R21683	27.1	46 2	1.6	1 6	3.05	0 563	0 35	< 0.02	0.23	< 0 02	< 0 02	0.78	39.7	238	402	60.4	217	30 9	5 1	20.5	2.0	9.48	1 8	4 4
R21684	82 9	15 8	3.2	0 7	2 70	0.043	0.16	0 02	0 90	< 0.02	< 0 02	1.82	146	63 0	165	16.9	59.0	8 6	1 4	5.3	0.6	2.77	0 5	1 5
R21685	46 1	35 2	1 9	2 3	3 51	0.194	0.26	< 0 02	0 54	< 0.02	< 0.02	1.61	80 7	122	295	32.9	124	19 3	3 1	13.4	1 4	6 64	1 2	3 2
R21686	48 0	4.59	2.3	2.9	4 18	< 0.002	0.04	< 0.02	0 48	< 0.02	< 0.02	0.47	28 6	19.4	42.7	4.6	15.9	2 5	0 5	1 6	0.2	0.994	0 2	0 5
R21687	42.7	19 7	2.7	2 5	4.90	0.081	0.19	< 0.02	0 52	< 0.02	< 0.02	0.97	56.3	69.1	162	19.4	70.2	10 8	1 7	7 2	0.8	3.82	0 7	1 9
R21688	45.9	23.9	3.4	2.8	3.75	0.184	0.20	< 0.02	0 58	< 0 02	< 0.02	1.49	101	106	193	24.7	86 3	12 7	2 0	8.7	0 9	4.23	0.8	2 1
R21689	44.1	27 6	2.5	2.9	4.17	0.125	0.30	< 0.02	0 58	< 0 02	< 0.02	1.04	81.3	114	207	28.4	100	14 0	2 1	8 7	0 9	4.33	0.8	2 3
R21690	60.3	22 5	3 4	3.3	4 25	0.125	0 26	< 0.02	0 65	< 0 02	< 0.02	1.45	105	97.3	163	24.3	82 7	11.6	1.7	7 4	0.8	3 80	0.7	1.9

Analyte Symbol	Tm	Yb	Lu	Hf	Ta	W	Re	Au	Tl	Pb	Th	U
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm
Detection Limit	0.1	0.1	0.1	0.1	0 05	0.1	0.001	0 5	0.02	0 01	0.1	0.1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
R21571	0 5	3 2	0.5	< 0 1	< 0.05	< 0.1	< 0.001	2 0	0.43	7.54	11.4	9.2
R21572	0 5	3.2	0 5	0 1	< 0.05	< 0.1	0 001	< 0.5	0.23	7 09	7.6	26.6
R21573	0.3	2.1	0.3	< 0 1	< 0 05	< 0.1	< 0.001	< 0.5	0 16	6.05	8.1	5 4
R21574	0.3	2 0	0.3	< 0 1	< 0.05	0.1	< 0.001	< 0.5	0.29	7 78	14.2	8.1
R21575	0.4	2 8	0.4	< 0.1	< 0.05	< 0.1	0.001	< 0.5	0 23	6 99	8.2	10 2
R21576	0.4	3.2	0 5	< 0.1	< 0.05	< 0 1	0.003	< 0 5	0 38	12 6	9.0	14.7
R21577	0.6	3 7	0.5	< 0.1	< 0 05	< 0.1	< 0.001	< 0.5	0.24	5 42	5 8	5.2
R21578	0.7	4.5	0.6	< 0 1	< 0 05	< 0.1	< 0.001	< 0 5	0 19	7 59	3 2	7.6
R21579	0 2	1.5	0.2	< 0 1	< 0 05	< 0.1	< 0.001	< 0 5	0.06	3.78	2 3	3.2
R21580	0 3	2.2	0 3	< 0.1	< 0.05	< 0.1	< 0.001	< 0 5	0 23	6.39	3.9	16 3
R21581	0.3	1.8	0 3	< 0.1	< 0 05	0 3	< 0 001	< 0.5	0.10	5 15	2.9	8 4
R21582	0.6	4.0	0.6	< 0.1	< 0 05	< 0 1	< 0 001	< 0.5	0.16	4 77	2 4	10 9
R21583	0.5	3.1	0.5	< 0 1	< 0.05	< 0.1	< 0.001	< 0.5	0.10	6.85	5.1	11.1
R21584	0.3	2.1	0.3	< 0 1	< 0 05	< 0.1	< 0.001	< 0.5	0.22	4 74	2 4	5.9
R21585	0.7	5.0	0.8	< 0 1	< 0 05	< 0.1	0.003	< 0.5	0.23	5 93	2 2	19.0
R21586	0.5	3.5	0.5	< 0 1	< 0 05	< 0.1	< 0.001	< 0.5	0 14	7.75	2.8	10.9
R21587	0.5	3.5	0.5	< 0 1	< 0 05	0.6	0.013	< 0.5	0.38	7 42	4 9	12.5
R21588	0.7	4.5	0 7	< 0 1	< 0 05	< 0.1	0.001	< 0 5	0.12	7 34	4 1	13.0
R21589	0.5	3 0	0 4	< 0 1	< 0.05	< 0.1	0.003	< 0 5	0.26	4 10	1 2	7.9
R21590	0.5	3 3	0 5	< 0.1	< 0 05	< 0.1	0.003	< 0.5	0 21	3.50	0 9	10 4
R21591	0.4	3.0	0.4	< 0.1	< 0.05	< 0.1	< 0.001	< 0 5	0.14	5.11	2 5	9 2
R21592	0.3	1.9	0 3	< 0 1	< 0 05	0.4	0.001	< 0 5	0.31	6.91	11.2	17 8
R21593	0.5	3.0	0.4	< 0 1	< 0.05	< 0.1	< 0.001	< 0 5	0 12	4.45	4.5	9.3
R21594	0 6	4.1	0.6	< 0.1	< 0.05	< 0.1	< 0 001	< 0 5	0 41	5.19	6.5	11 6
R21595	0.2	1.2	0.2	< 0 1	< 0.05	< 0.1	< 0 001	< 0 5	0 32	6 82	10.3	6 3
R21596	0.2	1.6	0 3	< 0.1	< 0.05	< 0.1	0 001	< 0 5	0 29	4.68	8.3	8 6
R21597	0 2	1 7	0.3	< 0 1	< 0 05	< 0.1	< 0.001	< 0.5	0.09	7.32	7.4	5 3
R21598	0.6	3.5	0 5	< 0.1	< 0.05	< 0.1	0 003	< 0.5	0 18	9.37	0.4	12 2
R21599	0.3	2 2	0.3	< 0 1	< 0.05	< 0 1	< 0.001	< 0.5	0 14	8.48	2.6	10 4
R21600	0 2	1 3	0.2	< 0 1	< 0.05	< 0.1	< 0 001	< 0.5	< 0.02	5 24	2.8	6.1
R21601	0 4	2 6	0.4	< 0 1	< 0.05	< 0.1	0 005	< 0.5	0.34	8.17	1.4	13 1
R21602	0 2	1.1	0.2	< 0 1	< 0.05	< 0.1	< 0 001	< 0.5	0 09	4 68	5.1	4 4
R21603	0 2	1.2	0 2	< 0.1	< 0.05	< 0.1	< 0.001	< 0 5	0 11	7.22	5.9	3.3
R21604	0.7	4.0	0.6	< 0 1	< 0.05	< 0.1	0.001	< 0 5	0.28	9.21	2.5	12 2
R21605	0.5	3.1	0 4	< 0.1	< 0 05	< 0.1	< 0.001	< 0 5	0 21	7 45	2.3	11 8
R21606	0.5	3.0	0 5	< 0.1	< 0.05	< 0.1	< 0.001	< 0 5	0 11	4 52	1.7	13 0
R21607	0.5	3 4	0 5	< 0.1	< 0.05	< 0.1	0.003	< 0.5	0 20	4.31	3.4	12 4
R21608	0 5	3 0	0.5	< 0.1	< 0 05	< 0.1	0 002	< 0.5	0 16	8.17	9.4	16 1
R21609	0.1	0.8	0.1	< 0 1	< 0 05	< 0.1	< 0 001	< 0.5	0 06	3 72	5.4	2 0
R21610	0.5	3.3	0.5	< 0 1	< 0 05	< 0.1	< 0.001	< 0.5	0.25	6 62	7 9	4.7
R21611	0.5	3 4	0 5	< 0 1	< 0.05	< 0.1	< 0.001	< 0.5	0.24	5 87	7 3	5.2
R21612	0.8	5 0	0.8	< 0 1	< 0 05	< 0 1	< 0.001	< 0 5	0.43	7.79	10 2	7.3
R21613	0.4	2.3	0.4	< 0.1	< 0 05	0.2	< 0 001	4.2	0.13	5 66	4.7	10.8
R21614	0.4	2.9	0.5	< 0 1	< 0 05	< 0.1	0 002	< 0 5	0.14	7.85	7.2	7 7
R21615	0.5	3 1	0 5	< 0 1	< 0.05	< 0.1	0 001	< 0 5	0.11	5 30	2.8	6 3
R21617	0.3	1.6	0.3	< 0 1	< 0 05	< 0.1	< 0 001	< 0.5	0 11	5 83	6.1	5 9
R21618	< 0 1	0 5	< 0 1	< 0 1	< 0 05	< 0.1	< 0 001	< 0 5	0 06	4 19	6.9	0 7
R21619	0.6	4.1	0 6	< 0 1	< 0.05	< 0.1	< 0.001	< 0 5	0.34	6.59	9 2	5.3
R21620	0.3	2 1	0 3	< 0.1	< 0.05	< 0.1	< 0.001	< 0 5	0 09	4 63	6.7	7.3
R21621	0 5	3.0	0.4	< 0 1	< 0 05	< 0.1	< 0.001	< 0 5	0 10	6.66	6.2	12 6
R21622	0.9	5.2	0.8	< 0 1	< 0 05	< 0.1	0.002	< 0 5	0 37	4.00	2.8	9 8
R21623	1.0	6 3	1 0	< 0.1	< 0 05	< 0 1	0 016	< 0 5	0 33	7 99	2.9	41.7

Analyte Symbol	Tm	Yb	Lu	Hf	Ta	W	Re	Au	Tl	Pb	Th	U
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm
Detection Limit	0.1	0.1	0.1	0.1	0.05	0.1	0.001	0.5	0.02	0.01	0.1	0.1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
R21624	0.7	4.3	0.7	< 0.1	< 0.05	< 0.1	0.002	< 0.5	0.25	9.68	6.6	38.8
R21625	0.3	2.0	0.3	< 0.1	< 0.05	< 0.1	0.012	< 0.5	0.10	13.8	2.0	8.2
R21626	0.6	3.7	0.6	< 0.1	< 0.05	< 0.1	< 0.001	< 0.5	0.31	10.4	6.7	11.6
R21627	0.6	3.3	0.5	< 0.1	< 0.05	0.2	< 0.001	< 0.5	0.35	5.99	6.4	12.3
R21628	0.7	4.1	0.6	< 0.1	< 0.05	< 0.1	0.001	< 0.5	0.16	5.00	1.9	9.6
R21629	0.4	2.5	0.4	< 0.1	< 0.05	< 0.1	0.001	< 0.5	0.13	6.10	5.7	6.0
R21630	0.2	1.4	0.2	< 0.1	< 0.05	< 0.1	< 0.001	< 0.5	0.07	4.92	3.1	5.2
R21631	0.1	0.8	0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 0.5	0.05	4.54	2.6	4.0
R21632	0.4	2.6	0.4	< 0.1	< 0.05	< 0.1	0.002	< 0.5	0.09	14.4	2.5	18.5
R21633	0.5	3.5	0.5	< 0.1	< 0.05	< 0.1	< 0.001	< 0.5	0.02	10.4	2.8	19.1
R21634	0.3	1.7	0.2	< 0.1	< 0.05	< 0.1	< 0.001	< 0.5	0.09	3.18	2.6	4.3
R21635	0.4	2.6	0.4	< 0.1	< 0.05	< 0.1	< 0.001	< 0.5	0.26	4.08	3.5	9.7
R21636	0.4	2.6	0.4	< 0.1	< 0.05	0.1	0.001	2.4	0.13	7.36	5.4	17.4
R21637	0.9	5.4	0.9	0.1	< 0.05	0.6	0.010	3.1	0.75	15.8	8.3	113
R21638	0.3	1.9	0.3	< 0.1	< 0.05	0.1	< 0.001	< 0.5	0.24	5.88	8.2	5.8
R21639	0.5	3.3	0.5	< 0.1	< 0.05	< 0.1	< 0.001	< 0.5	0.13	11.0	4.9	22.4
R21640	0.2	1.2	0.2	< 0.1	< 0.05	0.1	0.001	< 0.5	0.09	6.16	3.9	4.2
R21641	0.5	3.1	0.5	< 0.1	< 0.05	< 0.1	0.005	< 0.5	0.16	5.86	2.6	14.4
R21642	0.4	2.5	0.4	< 0.1	< 0.05	< 0.1	< 0.001	< 0.5	0.04	7.05	4.6	11.6
R21643	0.5	2.8	0.4	< 0.1	< 0.05	< 0.1	0.001	< 0.5	0.21	5.08	2.4	12.8
R21644	0.2	1.3	0.2	< 0.1	< 0.05	0.1	< 0.001	< 0.5	0.07	5.84	3.7	4.4
R21645	0.2	1.3	0.2	< 0.1	< 0.05	0.6	0.001	0.7	0.08	7.12	4.2	3.1
R21646	0.3	1.7	0.2	< 0.1	< 0.05	1.2	0.005	< 0.5	0.16	6.97	2.3	6.8
R21647	0.4	2.4	0.4	< 0.1	< 0.05	< 0.1	< 0.001	< 0.5	0.05	6.03	2.5	7.4
R21648	0.9	5.1	0.7	< 0.1	< 0.05	< 0.1	< 0.001	< 0.5	0.17	5.55	3.0	11.0
R21649	0.2	1.5	0.2	< 0.1	< 0.05	0.2	< 0.001	< 0.5	0.06	5.62	2.8	5.4
R21650	0.2	1.2	0.2	< 0.1	< 0.05	0.3	< 0.001	< 0.5	0.10	5.49	4.1	3.8
R21651	0.6	3.6	0.5	< 0.1	< 0.05	< 0.1	0.001	< 0.5	0.28	5.83	4.7	13.0
R21652	0.4	2.7	0.4	< 0.1	< 0.05	< 0.1	0.002	< 0.5	0.32	9.26	4.1	12.8
R21653	0.2	1.0	0.1	< 0.1	< 0.05	< 0.1	0.001	< 0.5	0.06	5.40	3.3	3.9
R21654	0.4	2.5	0.4	< 0.1	< 0.05	< 0.1	0.001	< 0.5	0.28	3.83	2.2	10.6
R21655	0.5	3.4	0.5	< 0.1	< 0.05	< 0.1	0.001	< 0.5	0.10	7.14	4.6	31.5
R21656	0.7	4.1	0.6	< 0.1	< 0.05	< 0.1	0.002	< 0.5	0.66	9.66	5.4	18.4
R21657	0.8	4.7	0.7	< 0.1	< 0.05	< 0.1	0.003	< 0.5	0.29	7.02	3.0	13.1
R21658	0.5	2.7	0.4	< 0.1	< 0.05	< 0.1	0.001	1.0	0.13	6.70	4.2	5.8
R21659	0.3	2.0	0.3	< 0.1	< 0.05	< 0.1	0.002	< 0.5	0.20	4.50	5.7	8.7
R21660	0.3	2.0	0.3	< 0.1	< 0.05	< 0.1	< 0.001	< 0.5	0.33	7.05	13.9	7.1
R21661	0.8	4.7	0.7	< 0.1	< 0.05	< 0.1	< 0.001	< 0.5	0.31	6.50	8.6	24.9
R21662	0.9	5.3	0.9	< 0.1	< 0.05	< 0.1	0.004	2.5	0.32	7.49	16.5	24.3
R21663	0.3	2.1	0.3	< 0.1	< 0.05	< 0.1	0.001	< 0.5	0.22	8.05	13.5	6.3
R21664	0.7	4.5	0.6	< 0.1	< 0.05	< 0.1	0.003	< 0.5	0.38	10.9	3.2	16.0
R21665	0.6	3.4	0.5	< 0.1	< 0.05	< 0.1	< 0.001	< 0.5	0.21	10.4	2.4	14.0
R21666	< 0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 0.5	0.04	2.96	4.7	0.7
R21667	0.3	2.0	0.3	< 0.1	< 0.05	< 0.1	0.001	< 0.5	0.10	8.07	3.1	11.2
R21668	0.7	4.6	0.7	< 0.1	< 0.05	< 0.1	0.004	< 0.5	0.32	12.0	2.5	23.6
R21669	0.5	3.2	0.5	< 0.1	< 0.05	0.1	0.004	< 0.5	0.17	3.27	1.0	9.7
R21670	0.7	4.1	0.6	< 0.1	< 0.05	< 0.1	0.003	< 0.5	0.16	8.15	1.0	23.0
R21671	0.6	3.6	0.5	< 0.1	< 0.05	< 0.1	0.001	< 0.5	0.21	6.64	0.8	25.3
R21672	0.5	2.8	0.4	< 0.1	< 0.05	< 0.1	< 0.001	< 0.5	0.23	9.23	4.9	11.7
R21673	0.6	3.8	0.6	< 0.1	< 0.05	< 0.1	< 0.001	< 0.5	0.30	9.04	4.0	20.7
R21674	0.4	2.4	0.4	< 0.1	< 0.05	< 0.1	< 0.001	< 0.5	0.20	6.56	1.9	10.8
R21675	0.3	2.1	0.3	< 0.1	< 0.05	< 0.1	< 0.001	< 0.5	0.27	7.94	4.8	13.1

Analyte Symbol	Tm	Yb	Lu	Hf	Ta	W	Re	Au	Tl	Pb	Th	U
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm
Detection Limit	0.1	0.1	0.1	0.1	0.05	0.1	0.001	0.5	0.02	0.01	0.1	0.1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
R21676	0 5	3.0	0.5	< 0.1	< 0.05	< 0.1	0.001	7.0	0 23	12 4	4.4	14 3
R21677	0.6	3.4	0.5	< 0 1	< 0.05	0 2	< 0.001	< 0.5	0.17	11.4	6.3	27.0
R21678	0.4	2.6	0.4	< 0 1	< 0.05	< 0.1	< 0 001	< 0.5	0.24	10.7	3 0	28.4
R21679	0.3	1.9	0.3	< 0 1	< 0.05	< 0.1	< 0.001	< 0.5	0.47	11.1	4 4	12.9
R21680	0.3	2.0	0 3	< 0.1	< 0.05	< 0.1	0.001	< 0.5	0.14	10.6	6 7	15 9
R21681	0.5	3 1	0 5	< 0.1	< 0 05	< 0.1	0 001	0.6	0 09	10 4	4.9	19 5
R21682	0.6	3 7	0.6	< 0 1	< 0.05	< 0.1	0.001	0 8	0 25	9 37	5.2	25.9
R21683	0.6	3 3	0.5	< 0.1	< 0 05	< 0 1	0.002	< 0.5	0.16	5 09	1.2	15.4
R21684	0.2	1.2	0.2	< 0.1	< 0 05	< 0 1	< 0 001	< 0.5	0 33	8.79	13.1	6.2
R21685	0.5	2.7	0 4	< 0 1	< 0 05	< 0 1	0.002	< 0 5	0 16	9.11	4.3	8.6
R21686	< 0 1	0.4	< 0 1	< 0.1	< 0.05	< 0.1	< 0.001	< 0.5	0.05	3 80	6 6	0.7
R21687	0.2	1.4	0 2	< 0 1	< 0.05	< 0.1	< 0.001	< 0.5	0 09	5 96	5 9	4 9
R21688	0.3	1 8	0 3	< 0.1	< 0.05	< 0.1	< 0.001	< 0.5	0.28	7 32	12.0	5.2
R21689	0.3	1.9	0 3	< 0.1	< 0 05	< 0.1	0.002	1 4	0 15	6 78	5.0	5 3
R21690	0.3	1.5	0 2	< 0.1	< 0 05	< 0.1	< 0.001	< 0 5	0 25	6.32	8.7	7.0

Quality Control																								
Analyte Symbol	Li	Be	B	Na	Mg	Al	K	Bi	Ca	Sc	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Rb	Sr
Unit Symbol	ppm	ppm	ppm	%	%	%	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.1	0.1	1	0.001	0.01	0.01	0.01	0.02	0.01	0.1	1	0.5	1	0.01	0.1	0.1	0.01	0.1	0.02	0.1	0.1	0.1	0.1	0.5
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
GXR-1 Meas	4.3	0.7	9	0.018	0.13	0.35	0.03	1490	0.78	1.2	61	3.9	879	24.9	8.0	40.2	1120	740	2.72		395	16.3	2.4	203
GXR-1 Cert	8.20	1.22	15.0	0.0520	0.217	3.52	0.0500	1380	0.960	1.58	80.0	12.0	852	23.6	8.20	41.0	1110	760	13.8		427	16.6	14.0	275
DH-1a Meas																								
DH-1a Cert																								
GXR-4 Meas	11.3	1.8	3	0.101	1.89	3.38	2.20	19.2	1.07	8.5	82	57.9	154	3.49	15.6	48.5			12.7		103	5.9	120	86.4
GXR-4 Cert	11.1	1.90	4.50	0.564	1.66	7.20	4.01	19.0	1.01	7.70	87.0	64.0	155	3.09	14.6	42.0			20.0		98.0	5.60	160	221
GXR-6 Meas	29.8	1.0	6	0.069	0.50	8.65	1.21	0.16	0.21	22.6	156	75.2	1080	5.45	12.8	23.5	67.5	123	20.0		194	< 0.1	69.6	45.1
GXR-6 Cert	32.0	1.40	9.80	0.104	0.609	17.7	1.87	0.290	0.180	27.6	186	98.0	1010	5.58	13.8	27.0	66.0	118	35.0		330	0.940	90.0	35.0
OREAS 13b (4-Acid) Meas																2270	2450				54.1			
OREAS 13b (4-Acid) Cert																2247	2327				57			
R21583 Orig	7.8	0.6	1	0.036	0.41	2.14	0.21	0.06	0.59	3.5	42	71.6	359	3.82	25.8	12.6	90.1	43.8	4.01	0.4	< 0.1	1.8	15.8	42.9
R21583 Dup	8.2	0.5	1	0.038	0.44	2.23	0.21	0.07	0.57	3.4	43	75.3	383	3.85	26.4	12.9	93.1	45.7	3.91	0.4	< 0.1	1.7	16.0	40.8
R21597 Orig	6.1	0.4	< 1	0.027	0.33	1.24	0.15	0.07	0.57	2.8	31	48.6	171	2.56	6.2	10.1	117	39.6	3.47	0.2	3.6	0.8	12.8	41.3
R21597 Dup	6.5	0.4	2	0.033	0.35	1.34	0.15	0.08	0.54	2.7	36	54.3	173	2.57	6.1	9.9	123	44.5	3.70	0.2	4.4	1.0	13.1	43.2
R21610 Orig	7.3	0.5	1	0.031	0.38	1.92	0.16	0.08	0.50	3.2	41	35.6	258	4.36	12.0	11.9	59.7	65.6	3.83	0.4	1.2	2.2	14.1	37.7
R21610 Dup	7.5	0.6	2	0.040	0.40	1.78	0.14	0.08	0.47	3.2	56	39.7	253	4.10	11.3	11.3	64.2	76.4	4.73	0.4	< 0.1	2.2	14.8	41.3
R21648 Orig	7.3	1.3	3	0.031	0.32	2.69	0.10	0.07	0.46	2.5	42	29.9	126	2.14	7.8	16.5	162	88.9	3.32	0.8	3.1	3.5	10.8	38.7
R21648 Dup	6.8	1.2	2	0.025	0.27	2.38	0.10	0.64	0.40	2.0	34	25.1	111	1.97	7.2	15.3	151	79.8	2.65	0.7	2.6	3.4	10.1	32.2
R21662 Orig	14.5	0.6	2	0.037	0.57	1.69	0.30	0.06	0.42	3.4	23	42.5	206	2.62	15.6	30.2	132	111	4.15	1.1	0.5	2.6	29.6	41.0
R21662 Dup	16.2	0.8	3	0.048	0.58	1.61	0.32	0.06	0.50	4.5	36	49.1	217	2.66	17.3	31.7	162	129	5.00	1.1	< 0.1	3.6	36.2	51.5
R21675 Orig	16.6	0.6	1	0.034	0.59	1.91	0.32	0.12	0.55	3.7	34	37.1	261	1.80	10.0	21.2	89.5	110	4.28	0.4	< 0.1	1.4	27.4	49.6
R21675 Dup	14.2	0.5	1	0.033	0.59	1.79	0.25	0.11	0.43	2.8	29	33.9	222	1.53	8.4	17.2	85.1	111	4.15	0.3	0.9	1.0	21.7	39.9
R21689 Orig	9.9	0.4	5	0.037	0.48	1.50	0.20	0.08	0.38	2.4	37	37.6	234	3.16	7.3	14.4	60.4	84.9	4.61	0.4	3.0	1.2	20.8	42.6
R21689 Dup	11.5	0.5	5	0.035	0.46	1.39	0.21	0.07	0.42	3.0	42	37.4	219	3.15	7.7	15.9	66.2	92.0	4.92	0.4	2.3	1.3	22.7	45.6
Method Blank Method Blank	< 0.1	< 0.1	< 1	< 0.001	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.1	< 1	< 0.5	< 1	< 0.01	< 0.1	< 0.1	< 0.01	< 0.1	< 0.02	< 0.1	< 0.1	< 0.1	< 0.1	< 0.5

Quality Control

Analyte Symbol	Y	Zr	Nb	Mo	Ag	Cd	In	Sn	Sb	Te	Cs	Ba	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	0.01	0.1	0.1	0 01	0.002	0.01	0.02	0.05	0.02	0.02	0 02	0.5	0.5	0 01	0.1	0.02	0.1	0.1	0 1	0.1	0 001	0 1	0 1	0.1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
GXR-1 Meas	28.9	16.2	0 2	18.7	28 4	2.26	0.70	24 4	84 0	13.6	2.70	262	4.6	11 6		6.39	2 3	0 5	3 7	0.7	4.50			0 4
GXR-1 Cert	32.0	38.0	0 800	18 0	31 0	3.30	0.770	54 0	122	13.0	3.00	750	7 50	17 0		18.0	2 70	0.680	4.20	0 830	4 30			0.430
DH-1a Meas																								
DH-1a Cert																								
GXR-4 Meas	14.5	11.2	0 1	343	3 64	0 14	0 22	5.95	2.92	0.83	2.60	7.7	53 1	102		39.7	6 1	1.3	4.6	0 5	2.75			0 2
GXR-4 Cert	14.0	185	10 0	310	4 00	0 860	0.270	5 60	4 80	0.970	2.80	1640	64 5	102		45 0	8 60	1.63	5.25	0 360	2.60			0 210
GXR-6 Meas	7.41	15.1	< 0 1	1.15	0 278	0 08	0.06	0.99	1 21	< 0 02	3 31	1230	10 8	31.0		11.2	2.3	0 5	1.9	0 2	1.43			0 1
GXR-6 Cert	14.0	110	7.50	2 40	1.30	1.00	0.260	1.70	3.60	0 0180	4.20	1300	13.9	36.0		13 0	2 67	0 760	2 97	0 415	2.80			0 0320
OREAS 13b (4-Acid) Meas				9.33	0 805																			
OREAS 13b (4-Acid) Cert				9.0	0 86																			
R21583 Orig	26.1	2 2	2.5	7 86	0.157	0.08	< 0 02	0.55	< 0 02	< 0.02	0.98	57.1	115	377	36.7	137	21 4	3.6	14.1	1 4	7.10	1.2	3.1	0.4
R21583 Dup	26.4	2.6	2.8	8 35	0.190	0.09	< 0.02	0.59	< 0 02	< 0.02	1.05	57 1	122	397	38.6	146	22.8	3 9	15 0	1 5	7.33	1.3	3 2	0 5
R21597 Orig	16 9	2.7	3 8	5.51	0.110	0 11	< 0.02	0 59	< 0.02	< 0.02	0.71	45 7	72.4	147	21 0	77 7	11.7	1 8	7 6	0 8	3.72	0.6	1.7	0 2
R21597 Dup	18 2	3 0	4.0	5.73	0 103	0.13	< 0.02	0.63	< 0 02	< 0.02	0.72	47.2	75.4	152	22.0	83 6	12.5	1 9	8 0	0 7	3 71	0 7	1.7	0.3
R21610 Orig	38 0	2.0	2.7	3.68	0.206	0 27	< 0.02	0.52	< 0 02	< 0 02	0 78	72 6	147	304	36.8	134	20.5	3.2	14.6	1.5	7.53	1.4	3.6	0.5
R21610 Dup	41 3	2.2	2 8	3.71	0 216	0 30	< 0.02	0 56	< 0 02	< 0 02	0 75	71 1	147	316	39 7	142	20.5	3 2	13 3	1 4	7.16	1.3	3.7	0.5
R21648 Orig	75.6	1.8	3 2	8.68	0 372	0 42	< 0.02	0 32	< 0.02	< 0 02	0 83	57.0	239	536	66 2	239	34.1	5 2	20.9	2.2	11.8	2 3	6.4	0.9
R21648 Dup	66 9	1.4	2 5	7.90	0 348	0 39	< 0.02	0 31	< 0 02	< 0 02	0 59	52 2	221	496	60 7	217	31.1	4 8	19 2	2 2	11.3	2.2	6.1	0.8
R21662 Orig	67 5	4 8	3.5	14.1	0.205	0.27	< 0 02	0.50	< 0.02	< 0.02	1.53	77.3	301	449	82.3	311	47 5	6 6	31.5	2 8	13.3	2.4	6 3	0 8
R21662 Dup	81.0	6.2	3.6	15.1	0.252	0.34	< 0 02	0.54	< 0.02	< 0 02	1 61	22.4	343	519	96.0	338	49 2	6 5	28.3	2 9	13 9	2 6	7 0	0 9
R21675 Orig	30.8	2 0	2.3	6.75	0 170	0.55	< 0.02	0.48	< 0 02	< 0 02	1.75	109	115	210	28.3	98.9	14.5	2 4	10.5	1 1	5.41	1 0	2.7	0.4
R21675 Dup	25.8	1.7	1 8	5 72	0 134	0.46	< 0.02	0.57	< 0.02	< 0 02	1.43	88.2	94.3	173	23.9	86.9	13 1	2 1	9.1	0 9	4.57	0 9	2 3	0.3
R21689 Orig	26.5	2.5	2.8	4 16	0.116	0.29	< 0.02	0.57	< 0.02	< 0 02	1 03	80 9	111	201	28.1	99.1	13.8	2.2	8.9	0 9	4.29	0 8	2.3	0 3
R21689 Dup	28.7	2.5	2 9	4 18	0.135	0 30	< 0.02	0.59	< 0.02	< 0 02	1.04	81 7	116	213	28.6	101	14.1	2 1	8.5	0 9	4.38	0 9	2.3	0.3
Method Blank Method Blank	< 0 01	< 0 1	< 0 1	< 0 01	< 0 002	< 0 01	< 0.02	< 0 05	< 0 02	< 0.02	< 0.02	< 0.5	< 0.5	< 0 01	< 0 1	< 0.02	< 0.1	< 0 1	< 0 1	< 0.1	< 0 001	< 0.1	< 0 1	< 0 1

Quality Control

Analyte Symbol	Yb	Lu	Hf	Ta	W	Re	Au	Tl	Pb	Th	U
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm
Detection Limit	0.1	0.1	0 1	0 05	0.1	0.001	0.5	0.02	0 01	0.1	0 1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
GXR-1 Meas	2.2	0 3	< 0 1	< 0 05	165		3290	0 35	796	1.5	34.9
GXR-1 Cert	1 90	0.280	0 960	0.175	164		3300	0 390	730	2.44	34.9
DH-1a Meas										> 200	2460
DH-1a Cert										910	2630
GXR-4 Meas	0 9	0 1	0 3	< 0 05	13.5		635	3.12	50.1	24.7	5 5
GXR-4 Cert	1 60	0.170	6.30	0.790	30.8		470	3.20	52.0	22 5	6.20
GXR-6 Meas	0 7	< 0 1	< 0 1	< 0 05	< 0.1		87 1	1 83	100	5.1	0.8
GXR-6 Cert	2.40	0 330	4 30	0 485	1.90		95 0	2 20	101	5.30	1.54
OREAS 13b (4-Acid) Meas											
OREAS 13b (4-Acid) Cert											
R21583 Orig	3 0	0 5	< 0 1	< 0.05	< 0.1	< 0.001	< 0 5	0 10	6 62	4 9	10.7
R21583 Dup	3 3	0 5	< 0 1	< 0 05	< 0.1	< 0.001	< 0.5	0.10	7.07	5.3	11.5
R21597 Orig	1.6	0 3	< 0 1	< 0 05	< 0.1	< 0 001	< 0 5	0 09	7 20	7.6	5.4
R21597 Dup	1.7	0 3	< 0.1	< 0 05	< 0 1	< 0 001	< 0 5	0.09	7.44	7.2	5.3
R21610 Orig	3.2	0 5	< 0 1	< 0 05	< 0 1	< 0 001	< 0.5	0.25	6.68	8.4	4.9
R21610 Dup	3 4	0 5	< 0 1	< 0 05	< 0 1	< 0 001	< 0 5	0 26	6.56	7.3	4 6
R21648 Orig	5.2	0.8	< 0.1	< 0 05	< 0.1	< 0 001	< 0.5	0.18	5.67	3.2	11.2
R21648 Dup	4 9	0 7	< 0 1	< 0.05	< 0.1	< 0.001	< 0.5	0.17	5.43	2.8	10.9
R21662 Orig	5.2	0 9	< 0 1	< 0 05	< 0 1	0 003	2.6	0.31	7.64	17.8	24 0
R21662 Dup	5 5	0.8	< 0 1	< 0.05	< 0.1	0 004	2 3	0.33	7.35	19.2	24 5
R21675 Orig	2 2	0 3	< 0 1	< 0 05	< 0.1	< 0 001	< 0.5	0.29	8 43	4 9	14.2
R21675 Dup	1.9	0.3	< 0.1	< 0 05	< 0.1	< 0.001	< 0 5	0.25	7 46	4 7	12.0
R21689 Orig	1.9	0.3	< 0 1	< 0 05	< 0 1	0.002	0.8	0.15	7.01	5 0	5 3
R21689 Dup	1.9	0 3	< 0 1	< 0 05	< 0.1	0.001	2.0	0 14	6 54	5.0	5 3
Method Blank Method Blank	< 0 1	< 0.1	< 0 1	< 0.05	< 0 1	< 0.001	< 0.5	< 0.02	< 0.01	< 0 1	< 0.1

Quality Analysis ... **Actlabs** *Innovative Technologies*

Date Submitted: 08-Nov-10
Invoice No.: A10-8127
Invoice Date: 30-Nov-10
Your Reference: 30261-4 Azimut

Techni-Lab Abitibi Inc.(Actlabs)
184 Rue Principale
Ste-Germaine-Boule Quebec J0Z 1M0
Canada

ATTN: Andre Caouette

CERTIFICATE OF ANALYSIS

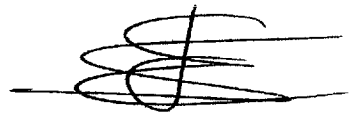
169 Pulp samples were submitted for analysis.

The following analytical packages were requested: Code 4F-LOI LOI
Code UT-1-0.5g Aqua Regia ICP/MS

REPORT **A10-8127**

Notes:
Assays are recommended for values >10,000 for Cu and Au.

CERTIFIED BY :



Emmanuel Eseme , Ph.D.
Quality Control

ISO/IEC 17025
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LAB 266
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Accrédité CCN

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Activation Laboratories Ltd. Report: A10-8127

Analyte Symbol	LOI	Li	Be	B	Na	Mg	Al	K	Bi	Ca	Sc	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Rb
Unit Symbol	%	ppm	ppm	ppm	%	%	%	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit		0 1	0.1	1	0 001	0.01	0 01	0.01	0 02	0.01	0 1	1	0.5	1	0 01	0.1	0 1	0.01	0.1	0.02	0 1	0.1	0.1	0 1
Analysis Method	GRAV	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
R21691	18.74	13 3	0 4	8	0 036	0 45	1 55	0 24	0.08	0 44	3 1	52	37.3	206	2.73	8.3	18 8	75.5	101	5 43	0 4	< 0.1	2.1	24 9
R21692	3.58	12.3	0.4	2	0.026	0 42	1.16	0.22	0 06	0 49	3.6	41	47.4	184	1.92	6.2	14.6	44.7	55.3	4.69	0 2	< 0.1	0.7	22 0
R21693	14.24	8.6	0.5	3	0.025	0.30	1.52	0 13	0 27	0.43	3.3	43	33.0	172	3.06	8.3	22.0	133	109	3.51	0.4	< 0.1	1.6	12 8
R21694	18 95	6.2	0.3	3	0 026	0.24	1.12	0.11	0.08	0.35	1.4	22	36 6	135	0.84	4 2	11 4	50.4	54.6	2.61	0.3	0.6	1.3	11 1
R21695	26.16	5.0	0.4	4	0 029	0 19	1.14	0.07	0.18	0 42	1.4	24	27.4	83	0.92	3 6	15 0	74.0	53.4	2.64	0.3	0 9	1.2	5 7
R21696	29 03	5.1	0.6	4	0 020	0.17	1.90	0 08	0 16	0 35	1 9	28	28 4	98	3 13	9.8	25 6	117	140	2 14	0.5	< 0.1	2.3	7 3
R21697	11.58	6 2	0 5	2	0.015	0 21	1.10	0.09	0.12	0.29	1.7	22	35 8	103	1 00	4.7	13 1	140	105	2.24	0 4	1.2	1.6	7 7
R21698	31.04	13 0	1.0	4	0 043	0.25	2.64	0 16	0.30	0 38	2.4	29	38 2	97	1.08	16.3	62 4	456	151	3.03	0.8	0.7	4.1	16 9
R21699	22.67	8 4	0 5	4	0.029	0.35	1 24	0.13	0.06	0 38	2.4	39	30 7	134	1 73	7.0	18 4	76 8	135	3.38	0 4	< 0.1	1.8	13.9
R21700	25 26	8 1	0 6	6	0.023	0.35	1.66	0.13	0 06	0 36	2 1	33	27.9	141	2.26	7.0	17 2	68 5	120	3.23	0 6	1 0	2 1	13.3
R21701	28 67	33.9	0.9	6	0.051	1.09	2 96	0 80	0.16	0.56	7.3	73	34 7	395	3 29	20.0	38 8	236	205	9.57	1.0	< 0 1	2 9	87 6
R21702	28 70	10.9	0.5	7	0.028	0.31	1.81	0.18	0.05	0.44	2 4	28	40 5	152	1 36	6.5	21.1	148	80.8	3.04	0 9	< 0 1	2.3	18 8
R21703	39.54	6 1	0.4	9	0 022	0.23	2.04	0 14	0.06	0 34	1.4	28	17 9	135	3 91	8.4	28.7	165	108	2.99	0 6	< 0.1	2.9	13.3
R21704	38.68	6.4	0.6	12	0 030	0.26	2.35	0.13	0.06	0.43	1.9	35	24 9	197	2 75	7.7	15.4	125	106	3.15	0.9	2.1	2.9	12.7
R21705	36 78	3.0	0.9	8	0 025	0.12	2.28	0 06	0.04	0.39	1.5	27	21 4	91	1.95	4.5	12.7	89.4	68.3	1 98	1.1	1.2	2 4	5.5
R21706	35.98	7 4	0.8	7	0.030	0.29	1.93	0.12	0 04	0 55	2 9	34	34.4	131	1.41	7.4	18 6	124	130	3 06	1 5	1.0	2 8	11 8
R21707	18 53	12.9	0.6	6 -	0.029	0.54	1.80	0.27	0.05	0 50	3 5	39	34 2	283	2.03	8 3	15.3	71 7	80.2	4.51	0 6	< 0 1	1 6	25.5
R21708	25.81	12.6	0.5	8	0.031	0.54	1.46	0 22	0 07	0.51	3.4	41	40 4	230	2.49	8.7	18 7	59 0	86 9	4.46	0 5	< 0 1	1.6	21 4
R21709	23.74	26 7	0.9	5	0.054	1.24	2.52	0 78	0 05	0.61	7.1	65	38.4	431	2.93	18.6	35 8	140	192	9.40	1 2	0 9	1 9	74 2
R21710	22 17	26 1	0 7	6	0.056	1.13	2.82	0.83	< 0.02	0.37	5 6	49	17.1	331	2.75	13 6	22.9	125	143	8 90	0 8	< 0 1	1 1	85.6
R21711	29.71	18 2	0.9	6	0.039	0.74	2.44	0 44	0.04	0.51	4.8	49	26 7	277	2 15	12.9	21.3	131	157	6 66	1.5	1.7	2.4	45 2
R21712	46 30	4.8	0.6	16	0 029	0.17	2.21	0.12	0.03	0.46	1 5	24	19 1	145	1 98	5.9	15.4	112	70 7	2 20	0 9	< 0.1	2.2	12.0
R21713	25 71	7.3	0 4	4	0 023	0 32	1 32	0 19	0.02	0.45	2 3	25	31 6	133	1 04	5.5	13 3	102	69 6	2 83	0 8	< 0 1	1.0	16 2
R21714	31 82	10.5	0 7	7	0 030	0 43	2 18	0 25	0.04	0.45	3 2	43	32 7	206	2 79	7 5	18 0	160	118	4 36	1.1	1 0	2.9	26 2
R21715	34 95	18.0	0 6	12	0 043	0 72	1 90	0 42	0 02	0 53	4.6	50	27 3	233	2.61	12 5	29 0	120	143	6.30	0.8	< 0 1	1.7	48 7
R21716	31 65	15.3	0 6	14	0.028	0 58	1 89	0 30	0 04	0.44	2.4	38	23 8	266	1 70	9 3	21 8	86 0	105	5 03	0.7	< 0 1	1.9	33 6
R21717	12.37	31 0	0 8	4	0 033	1 21	3 17	0.70	0.05	0 42	7 7	74	42 6	729	4.09	17.9	32 4	159	144	9 42	0.8	< 0 1	0 7	73 0
R21718	16.94	45.3	1 1	7	0 052	1 74	4 33	1 11	0 04	0.41	9 2	93	38 7	647	4 83	20.8	36 9	165	208	14 5	0 9	< 0.1	1 8	125
R21719	29.62	27 3	0.9	7	0.048	1 21	3 28	0.80	0 04	0 44	6 2	59	28 0	373	3 49	16 3	27 1	147	191	9 92	1.0	0.4	1.5	80 2
R21720	36.21	17 8	0 9	6	0.037	0.68	2.39	0.46	0 03	0 57	5 1	45	34.9	245	2 50	13 2	24 7	191	170	5 95	1 2	< 0.1	3.1	46.2
R21721	33.86	4 7	0 4	3	0.037	0.17	1.29	0.09	0 03	0 48	1 3	17	12 0	71	0 50	4 1	15 9	105	85 8	1 79	0.8	3.1	2.2	9 3
R21722	27.47	37 7	0 7	8	0.031	0.60	1.79	0 31	0 03	0 49	3 7	32	27 0	170	1 28	6 7	27.0	110	92.1	5 01	1.2	2.0	1 3	33 9
R21723	32.67	7.3	0.9	10	0.026	0.31	2 28	0 17	0 04	0.44	3.0	41	25 6	134	3 85	5.1	17.7	113	106	3 34	1.0	1.7	2 5	16.5
R21724	1.36	8 1	0.2	1	0.020	0.31	0.63	0 16	0.02	0.38	1.4	22	55 6	138	1.16	4.6	6 2	9 31	25.8	3 11	< 0 1	< 0 1	< 0 1	12 6
R21725	44.34	3.5	0.8	11	0 025	0.12	1.84	0.06	0.09	0 40	1.2	20	16.7	70	1.41	5.1	17 4	98.7	80.2	1 71	0.9	< 0 1	2 1	6 3
R21726	9.47	12 9	0.3	2	0.024	0.55	1.02	0 19	0.05	0.44	2.5	25	54 4	185	1 65	7.3	12 4	30 1	62 4	3 77	0 4	< 0.1	0.6	17 1
R21727	29.59	10.6	0 6	6	0.034	0 55	1.91	0 27	0 09	0 41	3.0	42	24 1	213	3 73	9.8	16 1	61 8	103	4.74	0 5	< 0.1	1 8	24 9
R21728	31 52	13 8	0 5	7	0.032	0 59	1.87	0.35	0 04	0 36	2.5	35	20 3	172	1 83	7 3	15 5	81 5	89.3	5.26	0.7	1.5	1 5	35.3
R21729	12.00	24.6	0.7	4	0.040	1.24	2 38	0.65	0 05	0.64	6 7	71	56 9	469	3.53	16.7	28.8	126	151	9 77	0 6	< 0 1	1 3	61 6
R21730	17.69	8.9	0 5	3	0.019	0.40	1.31	0.16	0.02	0.51	3.2	37	31 1	179	2.15	7.4	11 8	56.3	81 5	3.37	0.6	< 0.1	1 3	14 1
R21731	45.43	5.8	0.5	11	0 028	0.23	1.67	0 10	0.07	0.44	1.8	28	19 3	112	2 50	7.4	27.3	147	107	2 53	0.7	0.9	2 1	9.7
R21732	43.54	8 5	0 5	15	0.030	0.23	1.96	0.12	0 06	0.71	1.4	26	22 4	136	1 62	10.3	27 3	168	94.4	2.56	0.9	< 0.1	2 9	12.9
R21733	30 63	22 5	0 7	4	0.048	0.77	2.09	0.54	0 07	0.51	5.9	40	19 1	273	2 32	20 6	33 6	167	129	6 09	1 3	< 0.1	2 4	58 1
R21734	39 73	5 9	0 3	9	0 026	0 22	1.52	0 11	0 04	0 51	1 5	20	18.4	98	1.20	9 2	21 4	123	72.2	2.10	0 8	0 2	1 5	11.2
R21735	28 71	7.7	0.6	5	0.024	0.31	1.53	0.11	0.03	0.46	2.8	33	25.9	133	1.72	6.3	13 3	87 0	98 6	3 04	1 0	1 5	2.0	11 1
R21736	29.20	12.9	0 6	5	0 029	0.48	1.81	0 27	0 03	0.37	3.5	34	29 2	153	1 64	8.1	16 9	116	103	4.33	0 9	0 6	2.3	32.1
R21737	27 19	13 3	0 5	5	0.032	0.52	1.68	0.27	0.03	0 39	3.4	35	23 2	189	1.52	8.5	21.1	86.4	123	4.30	0.8	0.3	1 8	28 5
R21738	9.05	24.8	0 6	3	0 020	0 90	2.05	0.49	0.04	0 33	6 0	53	58 6	406	3.57	11.7	23 5	94.4	102	7 39	0.5	< 0 1	0 7	55.5
R21739	34.08	10.5	0.4	7	0 029	0.47	1.25	0 18	0.02	0 47	2.2	29	25.6	145	1 48	6.3	16.3	64 6	73 1	3 70	0 4	< 0 1	1 6	18.3
R21740	39.53	11.8	0 6	10	0.029	0.44	2.21	0.17	0.03	0 48	1 9	28	19 8	145	1 29	6.7	20.6	119	82 1	3 85	0.7	< 0.1	2 9	22 0
R21741	29.52	12.9	0.8	10	0 031	0.62	2 56	0 23	0.04	0 38	4.2	49	23.0	321	6 12	19.0	19.8	125	134	5 40	0.9	< 0.1	3.3	26.0
R21742	19.23	14.3	0 6	3	0 035	0 65	1 83	0.32	0 04	0.48	4.0	42	48 5	232	1 52	8.6	19.8	85 0	123	5 03	0 7	0.8	1 8	26 3

Activation Laboratories Ltd. Report: A10-8127

Analyte Symbol	LOI	Li	Be	B	Na	Mg	Al	K	Bi	Ca	Sc	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Rb
Unit Symbol	%	ppm	ppm	ppm	%	%	%	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit		0.1	0.1	1	0.001	0 01	0 01	0 01	0 02	0.01	0 1	1	0.5	1	0.01	0.1	0 1	0 01	0 1	0 02	0.1	0 1	0 1	0.1
Analysis Method	GRAV	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
R21743	15 11	17.3	0 6	4	0.027	0.68	2 07	0 33	0 06	0.42	5 0	52	28.8	314	3 02	11 1	19 8	127	109	5.42	0.7	< 0 1	1.9	30 8
R21744	43.64	5 5	0 4	5	0.036	0.25	1.95	0 13	0 03	0.71	1 8	22	14 3	136	1.22	7 0	13.2	76 3	96 7	2.81	0 7	< 0 1	2 2	12 7
R21745	36.02	13.8	0.5	10	0.037	0.54	2.22	0.33	0.05	0.35	2 8	39	22.9	152	1 72	8 7	14 6	86.4	99 0	5.09	0 8	1 4	2 3	36 4
R21746	32 28	11 3	0 4	5	0 028	0.43	1 46	0.23	0 04	0.57	3.0	34	17 2	160	1 53	8 3	18 6	97.0	114	3 62	0.6	< 0 1	1 7	21 4
R21747	1.35	7 2	0 1	1	0.019	0.29	0.59	0 15	0 03	0 35	1.3	20	56 5	129	1.09	4.0	6 3	8 52	22 4	2 72	< 0 1	< 0 1	< 0 1	11 5
R21748	37.02	10.5	0.5	6	0.035	0 44	2.33	0.28	< 0 02	0 49	3.1	30	14.8	148	1.57	6.7	14 5	166	114	3 86	1.0	< 0.1	2.0	29.3
R21749	16.06	30 4	0.8	5	0.048	1.42	3.13	0 85	0.06	0.66	7.4	78	31 0	460	3.43	19.7	28 4	101	175	11.0	0.5	< 0.1	1 2	70.1
R21750	24 12	10.7	0 6	6	0.021	0.42	1 83	0 20	0 05	0.33	2.3	40	25 4	755	2 27	14 1	15 3	97 7	127	3 81	0 8	0 4	1.8	18 9
R21751	48.68	3 6	0.6	4	0.022	0.12	1.60	0 05	0 04	0.44	1 3	18	12 1	60	1.45	4.7	10 3	80.6	51 3	1.67	0.5	2 0	2.4	4 7
R21752	41 98	4.0	0.5	7	0.023	0.20	1 98	0 10	0 05	0.38	1 7	27	12 8	99	4.67	5 1	12 5	70 7	103	2 28	0 5	< 0 1	1 8	9 4
R21753	51 42	4.8	0.6	7	0.029	0.23	1.86	0 12	0.03	0 51	1 9	32	21 8	110	1 52	6 8	16 8	146	88.6	2 69	0 8	1 5	1.7	10.2
R21754	52.80	3.1	0 5	10	0 032	0 16	1.61	0 09	0.03	0.48	1.4	27	13.8	139	2 10	7.0	15 2	91.9	85.8	1 84	0.7	< 0 1	1.6	7.6
R21755	41.39	6.9	0 7	11	0.034	0 32	1.83	0 21	0 04	0.45	2 6	38	13 2	160	3.09	7.0	16.0	91.0	97 0	2.94	0 6	0.4	2 9	18 2
R21756	7.31	16.3	0.4	3	0 040	0.99	1.32	0 57	0 02	0.64	5 1	55	86 6	278	3.12	11 4	32.5	43.2	85 0	5 63	0 3	< 0 1	0.9	44 3
R21757	34.61	10.7	0.6	5	0 033	0.44	2.08	0.29	0 03	0.38	3 7	35	15.9	167	2.51	8 3	16.4	126	84 8	3.86	0 7	< 0.1	3 1	28 8
R21758	35.03	15.2	0.6	7	0 042	0 63	1.85	0 39	< 0 02	0 59	4.9	41	18 7	207	2.09	11.0	19 3	126	126	4.98	0.8	0 6	2 3	39 2
R21759	29 84	16.9	0.4	4	0 049	0 65	1.41	0 35	< 0 02	0 53	4 6	35	17 6	205	2 58	11 9	17.3	83.1	116	4 78	0 6	0 9	1 7	35 6
R21760	4.83	24.8	0 6	2	0 056	1.32	2.46	0 69	0.04	0 52	7 3	75	38 3	581	4 11	15 6	20.8	62.0	135	9.96	0 3	1 1	0.4	57.7
R21761	29 47	12.1	0 4	2	0 050	0.66	1 34	0 32	< 0 02	0 60	3.7	22	16 8	214	1 73	9 6	17.4	87.1	104	4.49	0 6	0.3	1.7	25 1
R21762	35 19	9 5	0.6	6	0.034	0.45	1 86	0 29	0.03	0 44	3.3	31	15.1	185	2 97	9 2	14 3	174	96.3	3.54	0.7	< 0 1	1 2	23 9
R21763	47 70	3 5	0 5	3	0.031	0.15	1 80	0 07	0.03	0.46	1 4	15	12.3	64	1 74	9 1	12 6	132	81.6	2.05	0.7	2 5	1 9	6.7
R21764	30 05	7.7	0.3	4	0 035	0 30	1.15	0 12	0 03	0.40	1 6	21	34.8	97	0.88	3.4	10 9	61.2	72.0	2 74	0.4	2 5	1 6	11.4
R21765	13.97	8.0	0 3	1	0 038	0.47	1.00	0 24	< 0 02	0 50	2.8	25	38.9	201	1 53	6 6	10 4	48.7	86.7	3 33	0 4	0 9	1 5	17.8
R21766	13.78	15 8	0.5	3	0 045	0.85	1.77	0 48	0.03	0.53	4.8	45	27 4	322	2 48	9 9	16 2	83.0	113	6.20	0 5	0.5	1 1	37.8
R21767	36 50	6 5	0 4	13	0.035	0 35	1.57	0.18	0 08	0 34	2.6	29	15 6	347	15 8	32 7	15.2	85.4	129	3.05	0 6	1 0	3 1	14 5
R21768	45 98	5 7	0 4	4	0 040	0 31	1 58	0.15	0.04	0 44	1.0	24	21 8	124	1.38	6 1	10.9	72.2	75 9	2.95	0.5	1.9	1 7	11.8
R21769	33 34	10 6	0 5	11	0 043	0.41	1 72	0 22	0 03	0.81	3.1	31	21 5	382	5 52	17 6	14.5	72.8	111	3.27	0.6	< 0 1	1.4	16 9
R21770	40.15	4.4	0 5	9	0.022	0.22	2.13	0.13	0 05	0.39	1 9	22	13 0	235	5.09	10.7	11.4	88.1	96.8	2 25	0.6	< 0.1	2 9	10.1
R21771	20.48	11 8	0 4	3	0.033	0.51	1 56	0 28	0 04	0.52	3.0	38	21.5	533	1 92	12 4	14.5	72 6	98 8	4.15	0.4	< 0.1	1.9	21 8
R21772	32.86	9.9	0 4	7	0 031	0 45	1 22	0 23	0.02	0 51	2.4	36	17.0	162	1 38	6.6	14 5	74 1	71 5	3 89	0.4	0 4	2 1	19 3
R21773	24.32	9.7	0 5	4	0 034	0.44	1 94	0 22	0.05	0.36	2 3	36	16.3	562	3 11	14.3	13 7	109	121	4 25	0.7	2 2	3 9	20 3
R21774	26 65	13 0	0 5	4	0.034	0.65	1.90	0 33	0 04	0.40	3.5	32	16.4	275	2.35	8.8	16 5	94.8	128	4 92	0 6	1 7	2 1	29 3
R21775	35 63	21 4	0 5	5	0.047	0.79	1 59	0 56	0 02	0.41	4 2	29	11.3	218	1 97	9.5	15 0	166	107	5 64	0 6	< 0.1	1 9	62.8
R21776	31 55	12 4	0 4	5	0.035	0.56	2 03	0 34	0.06	0.31	2 8	41	23.0	198	1.97	8.1	13 5	90.7	94.1	4 96	0 5	1 1	2 2	33.7
R21777	1.69	7 9	0 1	< 1	0.020	0 32	0.58	0 16	0.03	0.37	1 3	22	43 8	139	1 20	4.5	6 5	9.66	27 1	2 88	< 0.1	< 0 1	0 2	12 9
R21778	44.33	10 5	0 4	12	0.033	0.43	2 07	0 34	0 02	0.44	2 4	26	11 7	170	1 83	8.3	13 3	141	105	3.65	0.7	< 0 1	1 9	31.7
R21779	18 74	51.7	0 8	4	0.095	2.13	4 20	1.77	0 03	0.39	8 7	88	23.7	644	4.78	26 4	36 8	221	203	14 6	0.5	< 0 1	1.9	171
R21780	34 08	14 6	0.7	4	0.023	0 50	2 57	0 27	0.06	0 32	2.2	33	28 4	438	1 65	17.8	22 7	148	137	4 37	0.9	< 0 1	4 7	26 6
R21781	26 08	14.0	0 5	7	0.049	0.60	1.36	0 25	0 04	0.52	2 8	33	26.6	220	1.48	9.7	19.1	66 4	105	4 52	0 5	1 1	1.8	23 6
R21782	46 48	3 4	0 6	19	0 037	0 15	2 00	0.08	0 02	0.42	1 3	15	11.8	62	1 59	3.7	12 8	91.2	55.3	2 15	0 7	1 8	2.5	6.9
R21783	38.94	6 9	0.5	3	0.028	0.30	1.67	0 12	0 04	0 47	1.1	11	28 1	118	1 62	7 0	19.0	138	90 7	2 57	0 6	0.2	3.0	9.8
R21784	38.71	11.6	0.8	4	0.041	0.42	1 35	0 21	0.04	0.58	3.0	21	18 6	155	1 20	7 2	17 3	99 7	119	3.40	0 8	0 2	2.6	18 6
R21785	28.68	18 4	0 8	6	0 043	0 72	1 84	0.35	0 05	0 63	4 3	51	26 4	252	2 61	16 2	25 8	104	172	5.73	0 8	0 8	4 0	33 6
R21786	29 41	24 0	0 5	4	0 091	1.27	2.69	0 85	< 0.02	0 35	5 1	52	17 5	359	3.42	14.6	21.3	119	164	9.49	0.5	< 0 1	1.4	84 9
R21787	29 30	12.9	0.4	4	0.036	0.59	2 38	0 41	0.04	0 31	2 9	30	12 9	376	3.42	11.2	13.7	121	103	4.91	0.7	< 0 1	2 7	35 2
R21788	27 69	13 9	0 6	4	0 039	0 64	2 02	0 35	0 04	0.40	3.8	38	21 6	267	2 30	9 0	17 7	128	133	5.14	0.8	0 6	2 3	31.9
R21789	33.94	7 7	0 4	4	0.037	0 36	1 85	0 23	0 02	0.34	1.9	18	11 0	134	1 37	5 8	11 5	122	79.2	3.34	0.7	0 9	1.8	22.7
R21790	38.21	4.8	0.7	9	0.027	0.26	2.38	0 12	0.05	0 28	2 0	33	13.8	165	6.05	7.2	10.3	99.0	102	2.80	0 7	1 0	2 6	11.7
R21791	37.77	3 8	0 4	6	0 033	0 22	1 85	0.12	0 04	0.43	1.8	16	22.4	172	2 46	6 4	11.9	93 5	66 9	2.26	0 7	1 9	1 8	9 0
R21792	8.63	20.2	0.5	2	0.037	0 99	2.00	0.57	0 03	0 54	5 6	49	29.5	605	3.76	16.9	17.9	71 0	114	7 39	0 4	< 0.1	0 8	46.1
R21793	48.97	6.2	0.5	3	0.035	0.28	1 71	0.16	0 02	0 67	2 4	21	14.8	146	1 73	10.5	16.2	138	133	2.58	1 0	0.1	1.9	14.1
R21794	13.35	10.9	0 3	1	0.035	0 55	0 97	0 32	< 0 02	0 54	3.0	33	44 7	204	1.64	7 5	13.3	44 6	72.3	4.10	0 2	< 0.1	1.1	25.0

Analyte Symbol	LOI	Li	Be	B	Na	Mg	Al	K	Bl	Ca	Sc	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Rb
Unit Symbol	%	ppm	ppm	ppm	%	%	%	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit		0 1	0.1	1	0.001	0.01	0.01	0 01	0.02	0.01	0.1	1	0.5	1	0.01	0.1	0.1	0.01	0 1	0.02	0.1	0.1	0.1	0.1
Analysis Method	GRAV	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
R21795	5 36	39.3	0.6	4	0.063	1.74	2 86	1.06	0.05	0.74	8 5	90	30 9	564	4 61	22.1	28 8	59 4	155	12.9	0.2	< 0.1	1.0	88.8
R21796	41 23	8.3	0.6	3	0.027	0 29	1 82	0 15	0 07	0.36	2 3	19	18 1	103	1 78	6.3	14.8	167	112	2.85	0.7	1.5	2 5	15.8
R21798	31 61	19.8	0.6	4	0.045	0.73	2 22	0 54	0 05	0 40	4 6	33	18 0	270	2 18	11 5	21 0	178	171	5.31	1.0	0.3	1.1	54.1
R21799	24.60	47.1	1.0	6	0.057	1 57	3.75	1 19	0 08	0 40	8 3	76	26.3	473	3 95	20.4	34 7	265	212	12.4	0 9	< 0 1	2.7	134
R21800	29 82	26.1	0.6	9	0 061	0.95	2.32	0 68	0 07	0 37	4 7	43	19 1	317	2 56	13.7	36 5	182	130	6.96	0.7	< 0 1	2.2	80 9
R21801	23.02	53.5	1.0	4	0.096	2.03	4.15	1.67	0 03	0 54	8.1	74	26.5	638	4.53	24.5	42.1	173	239	13 9	0.6	< 0.1	1 9	164
R21802	27.65	33.0	0 9	7	0 071	1.39	3.40	1 10	0 04	0.38	6.6	58	21 0	428	5 99	18.0	35.7	150	197	10 6	0.7	< 0.1	2 1	105
R21803	17.74	23.0	0.6	3	0 037	0 91	2.20	0.68	0.04	0.37	4 8	43	35 3	317	3 04	11.9	27 7	108	135	6.82	0.5	< 0 1	1.7	66 5
R21804	18.36	10.6	0.4	2	0 034	0.44	1 10	0 28	0.02	0 48	3 4	34	40.9	196	1 75	7.8	14.5	82 4	126	3.51	0.6	< 0 1	1.5	24.8
R21805	17.09	19 9	0.5	2	0.043	0.87	1.73	0 51	0 03	0 49	5.4	54	28.4	294	2 56	10.6	20.6	117	146	6 61	0.6	0 8	1 5	48 4
R21806	38 71	13 0	0 5	4	0 045	0.54	1 82	0.31	0 03	0.42	3.5	35	17.0	179	1.99	8 5	17.9	151	127	4.57	0.7	1 4	1 1	34 0
R21807	28.38	8 6	0 5	4	0 025	0 38	1 55	0.19	0 03	0.37	1.9	24	34 0	162	1.62	5 8	10.3	107	69 0	3.64	0.6	1.0	2.3	16.3
R21808	35.30	5.7	0 6	8	0.015	0.25	2.08	0 13	0 03	0.38	1 4	21	17 3	405	3.23	8.9	12 0	106	57 7	2.42	0 7	< 0 1	2 3	11 5
R21809	34.88	20.6	0.8	3	0.060	0.78	2.35	0.52	< 0 02	0.53	7.1	46	20 3	262	4.85	20.6	28.7	186	170	6 28	1 4	< 0 1	2.5	57.0
R21810	50.93	7.0	0.3	4	0.038	0 30	1.02	0.14	0 03	0.53	2 1	13	12.3	95	0.81	6.0	13.6	143	119	2 48	0.7	1 3	2 1	14.1
R21811	47.08	4 5	0.4	9	0 039	0.23	1.56	0 11	0 03	0 46	1.4	26	13.3	102	2 14	6 1	14 1	109	101	2.32	0.7	1.9	2 0	9 4
R21812	38.29	5 8	0.4	4	0.034	0.26	1.63	0.14	< 0 02	0 42	2.4	20	9.0	88	1 58	5.9	13.3	133	117	2 42	0.8	2.0	1 7	15.3
R21813	35.09	4 2	0.4	7	0.028	0 16	1.62	0.10	0 03	0 41	1 5	19	12.0	69	0 85	3 7	12 3	107	58 0	2 05	0.6	1.9	2 0	10 6
R21814	38.25	12 3	0.8	6	0.035	0.45	1.33	0.29	0.03	0.40	3 4	29	10 9	135	1 16	7 0	12 9	156	78 8	4.05	0.8	1.6	2 4	30 3
R21815	19.64	18 4	0 5	5	0 039	0.72	1.61	0.44	0.03	0.39	4 1	40	36 9	229	2 17	9 9	16 1	78 5	119	5 89	0.5	< 0.1	1.7	45.9
R21816	29.55	29 8	0 7	6	0 077	1 26	2.94	0.89	0.02	0 41	5 7	62	16 7	372	3 26	15.5	22.9	141	153	10 3	0.6	< 0.1	1 6	86.1
R21817	36.28	8 6	0.4	12	0.032	0.39	1.63	0 20	0 04	0 32	1 8	30	13 9	143	1 41	6.4	13.3	113	69 1	3 82	0 5	1 0	2.3	21.2
R21818	18.59	12.3	0.4	3	0.028	0 57	1 51	0.24	0.05	0 40	3.0	31	24 1	212	1.77	6.5	15.8	60 6	71.4	4.88	0 5	0.8	1.8	23 0
R21819	33 61	11.9	0.6	5	0.038	0.43	2 28	0.22	0 05	0.39	2.2	24	25 6	213	1.52	8.4	20.3	109	73.7	4.07	0.8	0.2	3 1	21 7
R21820	36 91	11.0	0 5	8	0.030	0 40	2 06	0.22	0.04	0 39	2.4	27	13 1	141	1.68	8.7	19 9	139	98.5	3.57	0.7	< 0.1	2 8	25 2
R21821	28 61	18.5	0 6	5	0.035	0 67	1 99	0 32	0 04	0 36	4.0	37	41 0	204	1 63	7 6	25 7	160	107	5.63	0.9	1.7	3 1	35 2
R21822	29.82	8 3	0.7	5	0 033	0 36	2 00	0.14	0 08	0.29	1 7	26	22 7	416	3 27	11 8	17.7	98 4	98.8	3.37	0.6	1.5	3 2	13 5
R21823	30 97	8 8	0 4	3	0 029	0 27	1 45	0.14	< 0.02	0.43	1.7	13	14.4	100	0 86	6.0	17 8	149	58 8	2.42	0.6	< 0.1	2 4	16.5
R21824	17 61	13 0	0.4	2	0 043	0 48	1 32	0 19	0 04	0.37	2.6	23	43.5	174	1 56	6.1	23 2	67.3	132	3.91	0.4	< 0 1	1 7	21 9
R21825	25 73	23.8	0.5	3	0 034	0.80	1.98	0.34	0 04	0 28	2.3	23	22.1	202	1 56	7.5	25 7	130	78.5	4.72	0.5	2.3	2 7	44.5
R21826	21.91	35.8	0 7	3	0 038	0.86	2.54	0 47	0.06	0 34	4.4	41	29 1	288	2 76	15 1	50 1	211	176	6.60	0.5	0.2	2 8	65 6
R21827	27.22	16.4	0.5	5	0.039	0.52	1 47	0.20	0.04	0 44	2.7	37	25.5	198	2 30	11.1	25 9	64.3	102	3.79	0.4	< 0 1	2 2	21 2
R21828	23 86	31.7	0.6	5	0.042	0.85	1 83	0.44	0 04	0.43	3.5	46	23.8	268	2.05	11.8	36.1	110	134	6.54	0.3	< 0 1	1.8	57.1
R21829	16.80	102	1 5	5	0.060	2 56	6.11	1 69	0 09	0.39	10.9	124	59.5	870	6 88	34.5	75.0	397	346	22 1	1.0	< 0 1	2.5	245
R21830	23.57	31.0	0.7	3	0 067	0.99	2.36	0 55	0 03	0.40	5.3	47	26 4	341	2 55	18.0	45.8	208	192	7 98	0 8	0 5	2.8	70 5
R21831	24.85	42 5	0.9	4	0.054	1.15	3.15	0 71	0 05	0.44	4 8	46	34 2	428	2.98	18.6	40.5	212	192	9.46	0 7	< 0 1	2.9	89.2
R21832	6.42	15 2	0 3	2	0 042	0.43	1.09	0.23	0.04	0 44	3.0	26	68.2	192	1 25	10.1	26.1	71 6	87.1	3.66	0 2	< 0 1	1 3	22.4
R21833	30.09	11 6	0 6	5	0 029	0 33	1.84	0 15	0 03	0.32	1.7	31	19.2	154	1 41	8 7	24 2	196	94.4	3.25	0.7	1 5	3.4	18 9
R21834	13 92	8.4	0 4	4	0 023	0 32	1 04	0 12	0 04	0.26	2.1	25	36.5	155	1 79	5.6	11.2	44.8	79 2	3.09	0.3	1 3	1 5	12 8
R21835	42.81	7.3	1.0	6	0 026	0 27	2 21	0.08	0.06	0.27	1 8	29	24 5	93	2 97	5.3	28.5	198	119	3.01	0.8	1 1	2 7	9 4
R21836	23 84	13.3	0.6	5	0 035	0.49	1.72	0.20	0.05	0 33	2.1	34	32 6	199	1 88	7.0	17 8	87 6	88.3	4.46	0.5	1.2	3 1	22 7
R21837	31.60	4.6	0.9	2	0 029	0.15	2.14	0.08	< 0.02	0 37	2 4	16	18 6	65	1.12	22 6	38.2	187	145	1.56	0.8	2.1	2 9	8.1
R21838	30.05	12.1	0.7	5	0 033	0 49	1 55	0 17	0.04	0 42	3.2	32	36 9	165	1 87	8.0	40.4	220	218	4 03	0.6	0.5	3 3	20 7
R21839	1.78	8.0	0.1	< 1	0.021	0 34	0 64	0.16	0 03	0 34	1 2	13	52 4	152	1 23	4.5	6.0	8 81	28 1	3 18	< 0 1	< 0.1	0 4	12.0
R21840	16 86	18.8	0 7	3	0.030	0 59	2.17	0.28	0.05	0.35	3 8	45	43.7	292	3.30	12.3	25.0	125	114	5 29	0 5	< 0.1	2 9	36 0
R21841	33.19	7.9	0 6	7	0.026	0 30	1.50	0.12	0 04	0 39	1.7	30	23.9	121	2.09	5.1	17.3	102	79 3	2 76	0.4	0.3	3 1	13.6
R21842	11.22	9 7	0.4	2	0 034	0 42	1.29	0.17	0 04	0 35	2 9	44	32 8	3120	7.33	66.3	13.9	58 8	78.7	4 14	0 3	< 0.1	1 9	19 0
R21843	21.36	17 4	0 7	4	0 027	0.61	2.27	0.31	0.04	0 31	3 0	39	27 1	248	2.64	9.5	17 1	104	110	5 54	0.6	0.7	2 2	37.6
R21844	37 49	23 8	0 7	3	0 036	0 69	2 53	0 31	0.11	0 36	2.7	40	72.0	338	3 59	14.3	19 0	93 4	93 6	6.80	0 5	0.3	2 3	43 9
R21845	33 82	18.4	0 7	6	0 046	0.60	1.72	0 33	0.05	0 54	3.9	44	38 8	215	2.66	21.8	30 8	360	236	5.36	1.0	0 8	2 7	42 2
R21846	41.03	11.4	0.6	9	0 033	0.39	1 61	0 21	0 04	0 47	1 9	33	15 9	149	2 79	12.6	22.2	251	130	3 66	1.1	< 0 1	3 1	25.7
R21847	12 95	21.0	0 7	3	0.034	0.71	1 83	0 39	0 05	0 45	4 3	45	34.8	268	2 09	10.6	20.2	102	130	6 19	0 5	1 3	1 8	45 8

Analyte Symbol	LOI	Li	Be	B	Na	Mg	Al	K	Bi	Ca	Sc	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Rb
Unit Symbol	%	ppm	ppm	ppm	%	%	%	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit		0.1	0.1	1	0.001	0.01	0.01	0.01	0.02	0.01	0.1	1	0.5	1	0.01	0.1	0.1	0.01	0.1	0.02	0.1	0.1	0.1	0.1
Analysis Method	GRAV	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
R21848	15.92	15.5	0.6	2	0.030	0.55	1.45	0.28	0.03	0.43	3.4	39	25.1	214	1.69	8.9	16.2	90.3	131	4.88	0.5	0.5	2.0	30.3
R21849	27.36	13.0	0.7	3	0.034	0.35	1.82	0.20	0.03	0.32	2.2	28	19.4	134	1.44	8.1	18.7	213	108	3.53	0.8	0.2	3.4	24.8
R21850	32.32	10.2	0.8	3	0.030	0.27	1.83	0.14	0.04	0.33	1.5	26	13.7	112	1.57	5.3	13.6	180	72.7	2.69	0.7	1.7	3.1	18.7
R21851	25.69	21.9	0.7	5	0.043	0.73	2.31	0.38	0.05	0.30	3.3	46	26.0	288	3.08	11.3	19.4	101	150	6.82	0.5	0.8	2.5	51.7
R21852	27.90	22.0	0.6	5	0.047	0.71	1.95	0.41	0.04	0.35	2.9	32	21.3	246	2.11	9.2	21.4	72.6	186	6.01	0.5	< 0.1	2.1	53.2
R21853	12.16	31.1	0.6	3	0.058	1.09	2.45	0.61	0.08	0.43	5.5	62	47.2	376	5.83	14.6	22.5	81.8	127	9.28	0.4	< 0.1	2.2	78.0
R21854	22.95	16.8	0.5	7	0.042	0.56	1.56	0.29	0.06	0.33	3.1	44	23.3	253	6.49	13.0	16.7	87.5	127	5.10	0.3	0.4	2.6	32.9
R21855	26.67	10.4	0.6	4	0.030	0.38	2.16	0.17	0.08	0.25	2.1	41	28.5	246	6.28	10.1	12.2	83.1	118	4.42	0.5	1.1	3.4	21.4
R21856	9.09	7.7	0.2	2	0.025	0.31	0.87	0.15	0.03	0.46	1.7	18	41.2	134	0.98	3.8	7.0	27.7	36.9	3.22	0.2	< 0.1	1.1	12.3
R21857	12.66	23.5	0.5	2	0.036	0.75	2.05	0.39	0.06	0.37	3.9	34	44.0	289	2.12	9.7	20.1	56.1	102	6.51	0.3	< 0.1	1.4	45.6
R21858	30.88	15.9	0.7	8	0.036	0.52	2.41	0.28	0.05	0.36	2.6	29	23.3	221	2.81	8.9	18.5	117	108	4.97	0.6	0.6	2.8	35.0
R21859	23.08	23.7	0.8	4	0.056	0.81	2.72	0.43	0.09	0.28	3.5	47	28.9	319	4.24	12.6	20.2	102	145	7.51	0.5	0.5	2.9	59.2
R21860	24.93	19.8	0.9	4	0.039	0.64	2.66	0.34	0.06	0.26	2.9	42	25.3	245	4.34	9.6	16.8	111	127	6.17	0.6	< 0.1	3.4	44.9

Analyte Symbol	Sr	Y	Zr	Nb	Mo	Ag	Cd	In	Sn	Sb	Te	Cs	Ba	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er
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	0.5	0.01	0.1	0.1	0.01	0.002	0.01	0.02	0.05	0.02	0.02	0.02	0.5	0.5	0.01	0.1	0.02	0.1	0.1	0.1	0.1	0.001	0.1	0.1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
R21691	39.3	26.6	2.3	2.8	3.98	0.233	0.47	< 0.02	0.67	0.04	0.06	1.31	89.9	131	231	31.4	104	14.1	2.2	9.3	1.0	4.98	0.9	2.4
R21692	42.1	16.1	2.0	2.6	2.95	0.212	0.04	< 0.02	0.66	< 0.02	0.04	1.12	62.6	61.6	152	19.1	66.6	10.1	1.6	6.6	0.7	3.83	0.7	1.7
R21693	28.7	29.6	1.6	2.1	8.07	0.239	0.53	< 0.02	0.42	< 0.02	0.04	1.22	54.6	120	265	34.3	116	16.2	2.4	11.4	1.2	6.22	1.1	2.9
R21694	23.1	24.1	0.8	1.3	3.29	0.144	0.50	< 0.02	0.34	< 0.02	< 0.02	0.61	70.5	134	212	32.4	110	15.0	2.4	10.4	1.1	5.04	0.9	2.2
R21695	24.4	21.7	1.6	2.0	3.23	0.205	0.36	< 0.02	1.31	0.05	< 0.02	0.78	52.4	103	200	27.6	96.6	13.3	2.0	9.4	1.0	4.73	0.8	2.0
R21696	19.5	38.1	1.3	1.7	16.0	0.403	0.58	< 0.02	0.24	0.03	< 0.02	0.80	53.9	192	383	49.4	168	23.1	3.4	16.2	1.7	8.14	1.5	3.6
R21697	17.4	41.3	1.2	2.3	10.7	0.174	0.61	< 0.02	0.36	< 0.02	< 0.02	0.68	32.6	125	251	34.4	125	19.7	2.8	15.8	1.8	9.43	1.6	4.2
R21698	24.5	81.5	1.4	2.0	12.0	0.746	0.86	< 0.02	0.29	0.12	0.05	3.56	24.6	306	578	86.0	302	43.6	6.1	29.8	3.3	16.7	3.0	7.5
R21699	27.7	27.4	2.1	2.1	4.56	0.222	0.52	< 0.02	0.94	< 0.02	< 0.02	0.83	60.8	158	212	40.6	138	17.8	2.6	10.8	1.1	5.31	1.0	2.5
R21700	25.9	40.1	1.6	1.6	8.83	0.226	0.65	< 0.02	0.29	< 0.02	< 0.02	0.79	53.5	250	339	63.6	220	29.1	4.2	18.3	1.7	8.18	1.4	3.7
R21701	41.9	43.6	9.6	4.4	12.9	0.582	0.55	0.02	0.75	0.02	0.04	3.51	68.2	367	483	102	334	41.8	5.1	21.3	2.0	9.54	1.7	4.0
R21702	27.1	44.9	2.1	2.2	4.99	0.296	0.60	< 0.02	0.37	< 0.02	< 0.02	0.86	43.9	427	561	100	319	38.0	5.2	23.0	2.2	9.95	1.7	4.2
R21703	18.5	27.0	1.6	1.5	5.56	0.566	0.57	< 0.02	0.30	0.03	< 0.02	0.61	49.1	333	457	67.7	217	25.0	3.3	15.5	1.4	6.40	1.1	2.6
R21704	21.4	35.2	1.8	2.2	3.66	0.518	0.46	< 0.02	0.31	< 0.02	< 0.02	0.53	23.0	452	687	99.9	318	34.9	4.5	18.8	1.7	7.85	1.3	3.3
R21705	20.1	36.2	1.3	1.6	2.77	0.302	0.45	< 0.02	0.20	< 0.02	< 0.02	0.29	29.1	496	860	127	400	43.6	4.7	22.3	2.0	9.01	1.5	3.7
R21706	28.9	44.6	2.6	2.9	3.51	0.418	0.51	< 0.02	0.37	< 0.02	< 0.02	0.42	34.8	734	1080	187	564	59.4	6.2	27.5	2.4	10.7	1.8	4.3
R21707	29.0	24.1	1.6	2.9	3.00	0.328	0.33	< 0.02	0.56	< 0.02	< 0.02	0.66	98.4	282	541	68.3	215	24.8	3.0	14.8	1.3	5.93	1.0	2.4
R21708	25.0	23.4	2.4	3.4	3.93	0.292	0.24	< 0.02	0.61	< 0.02	< 0.02	0.74	66.2	290	379	60.9	189	20.7	2.8	12.4	1.2	5.56	0.9	2.2
R21709	37.5	40.8	5.1	4.0	3.80	0.409	0.40	0.02	0.81	< 0.02	< 0.02	1.55	64.4	505	622	131	418	47.0	5.6	22.4	2.0	8.75	1.5	3.7
R21710	27.5	18.6	3.0	2.9	1.74	0.663	0.23	0.02	0.57	< 0.02	< 0.02	1.03	52.2	401	422	93.7	295	31.3	3.4	16.0	1.2	5.08	0.8	1.8
R21711	29.0	39.0	2.6	2.6	3.72	0.639	0.63	< 0.02	0.63	< 0.02	< 0.02	0.76	53.2	720	789	177	544	59.0	6.6	27.0	2.3	9.41	1.5	3.7
R21712	20.5	24.4	1.2	1.2	2.69	0.655	0.48	< 0.02	0.28	< 0.02	< 0.02	0.24	49.7	516	784	111	326	31.8	3.7	16.3	1.4	6.06	1.0	2.3
R21713	21.2	19.6	1.2	1.6	3.31	0.321	0.40	< 0.02	0.31	< 0.02	< 0.02	0.32	81.9	413	492	97.6	303	32.1	3.8	17.1	1.4	5.50	0.9	1.9
R21714	22.9	33.3	1.9	1.8	5.29	0.694	0.55	< 0.02	0.36	< 0.02	< 0.02	0.58	57.3	509	752	124	380	39.9	4.7	18.9	1.6	7.31	1.2	3.0
R21715	27.3	24.9	4.7	2.7	5.51	0.549	0.36	< 0.02	0.58	< 0.02	< 0.02	0.88	30.1	387	405	94.9	294	30.8	3.6	13.3	1.2	5.51	1.0	2.3
R21716	22.0	25.1	1.6	1.7	3.02	0.903	0.43	< 0.02	0.40	< 0.02	< 0.02	0.80	99.0	373	506	79.8	251	26.4	3.3	13.4	1.2	5.64	1.0	2.2
R21717	28.5	28.0	1.7	1.0	7.66	0.444	0.11	0.03	0.73	< 0.02	< 0.02	1.48	174	331	562	94.6	307	37.5	4.7	19.3	1.7	7.52	1.2	3.0
R21718	35.2	30.0	3.0	1.6	3.43	0.543	0.24	0.03	0.80	< 0.02	< 0.02	2.12	295	369	738	101	318	36.0	4.4	17.2	1.5	6.92	1.2	2.9
R21719	29.6	27.1	5.9	3.3	3.28	0.870	0.45	0.02	0.70	< 0.02	< 0.02	1.37	51.6	411	438	105	342	38.7	4.7	20.0	1.6	6.51	1.1	2.6
R21720	30.6	33.9	5.9	2.6	6.11	0.805	0.65	< 0.02	0.42	< 0.02	< 0.02	0.78	43.0	574	667	144	444	47.7	5.6	22.5	2.0	8.25	1.3	3.1
R21721	25.6	28.8	0.6	0.8	1.95	0.358	0.50	< 0.02	0.43	0.04	< 0.02	0.35	53.1	439	607	105	339	39.4	4.4	14.5	1.3	6.32	1.0	2.6
R21722	27.1	25.0	3.8	2.4	1.76	0.294	0.58	< 0.02	0.41	< 0.02	< 0.02	0.92	40.0	454	527	128	415	48.6	5.3	20.9	1.7	6.70	1.1	2.5
R21723	22.5	29.2	2.0	1.7	5.89	0.585	0.47	< 0.02	0.34	< 0.02	< 0.02	0.38	69.1	440	593	109	339	36.2	4.3	16.7	1.5	6.42	1.1	2.6
R21724	37.1	3.86	1.7	3.0	3.74	0.015	0.03	< 0.02	0.47	< 0.02	< 0.02	0.45	31.8	19.7	42.3	4.5	15.0	2.4	0.5	1.7	0.2	1.08	0.2	0.5
R21725	19.7	33.8	1.2	1.3	2.13	0.524	0.32	< 0.02	0.17	< 0.02	< 0.02	0.30	28.8	474	811	111	342	38.8	5.1	22.7	2.0	9.01	1.5	3.4
R21726	25.1	15.7	1.6	2.4	4.05	0.112	0.14	< 0.02	1.09	< 0.02	< 0.02	0.57	62.1	191	240	45.0	145	16.8	2.2	9.7	0.9	3.81	0.6	1.5
R21727	19.3	18.5	2.5	2.4	2.50	0.308	0.40	< 0.02	0.58	0.03	< 0.02	0.59	22.0	240	366	51.6	164	18.5	2.5	11.3	1.0	4.34	0.7	1.8
R21728	20.4	21.9	2.0	1.8	3.13	0.423	0.29	< 0.02	0.40	< 0.02	< 0.02	0.75	78.8	331	339	79.7	262	28.0	3.4	14.1	1.1	4.99	0.8	2.0
R21729	36.3	21.0	4.3	3.6	11.2	0.275	0.36	0.02	0.92	< 0.02	< 0.02	1.26	207	235	307	58.7	200	24.1	3.0	12.6	1.0	4.70	0.8	1.9
R21730	21.0	25.6	2.0	3.0	4.89	0.184	0.24	< 0.02	0.47	< 0.02	< 0.02	0.35	46.5	272	326	61.9	201	22.8	3.0	12.8	1.2	5.55	1.0	2.4
R21731	24.2	28.5	1.8	1.5	3.26	0.377	0.48	< 0.02	0.30	0.03	< 0.02	0.77	27.4	336	543	77.6	256	30.2	4.0	17.0	1.5	6.49	1.1	2.7
R21732	46.2	36.2	1.0	1.4	8.73	0.625	0.46	< 0.02	0.23	< 0.02	< 0.02	0.81	18.1	469	690	105	333	36.6	4.8	19.3	1.7	8.12	1.4	3.3
R21733	47.7	48.5	8.0	2.7	3.98	0.515	0.37	< 0.02	0.43	< 0.02	< 0.02	2.11	23.1	602	717	152	485	58.1	7.0	31.7	2.8	12.0	2.0	4.7
R21734	40.8	29.5	1.1	1.4	2.74	0.346	0.25	< 0.02	0.21	< 0.02	< 0.02	0.50	50.8	368	554	88.6	293	34.4	4.8	19.5	1.6	7.14	1.2	2.9
R21735	25.2	45.9	3.2	3.2	4.66	0.277	0.33	< 0.02	0.42	< 0.02	< 0.02	0.34	31.3	476	572	114	370	44.1	5.7	24.8	2.1	9.61	1.7	4.0
R21736	23.8	29.1	2.9	1.8	10.3	0.610	0.50	< 0.02	0.33	< 0.02	< 0.02	0.69	39.5	438	521	109	345	37.9	4.3	16.9	1.4	6.32	1.1	2.6
R21737	22.9	30.6	2.3	1.8	3.44	0.308	0.44	< 0.02	0.36	< 0.02	< 0.02	0.70	31.0	421	478	101	320	34.9	4.3	16.3	1.5	6.58	1.1	2.7
R21738	24.6	18.7	4.5	2.6	6.93	0.142	0.04	< 0.02	0.65	< 0.02	< 0.02	1.29	132	164	269	49.6	171	22.1	2.8	10.9	1.0	4.86	0.8	1.9
R21739	22.9	18.9	2.2	1.9	3.15	0.268	0.34	< 0.02	0.34	< 0.02	< 0.02	0.51	24.8	226	260	47.7	147	16.3	2.2	8.9	0.9	4.02	0.7	1.7
R21740	23.9	34.5	2.0	1.7	2.90	0.529	0.66	< 0.02	0.29	< 0.02	< 0.02	0.68	24.4	391	485	86.7	277	32.7	4.5	18.8	1.8	8.28	1.4	3.3
R21741	21.3	40.3	2.8	2.1	5.95	0.534	0.56	< 0.02	0.51	< 0.02	< 0.02	0.65	57.3	436	696	96.0	299	34.4	4.6	18.8	1.8	8.33	1.5	3.5
R21742	25.2	30.1	2.4	2.3	4.49	0.156	0.74	< 0.02	0.53	< 0.02	< 0.02	0.72	83.4	274	391	71.3	246	29.7	4.0	17.4	1.5	6.65	1.1	2.8

Analyte Symbol	Sr	Y	Zr	Nb	Mo	Ag	Cd	In	Sn	Sb	Te	Cs	Ba	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er
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	0 5	0.01	0.1	0 1	0.01	0 002	0.01	0.02	0.05	0.02	0.02	0.02	0.5	0.5	0 01	0.1	0.02	0 1	0.1	0 1	0 1	0 001	0.1	0.1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
R21743	27.3	35 5	1.5	1.3	5 78	0.174	0.24	< 0.02	0 50	< 0.02	< 0.02	0 93	95.2	344	614	80.7	263	30.2	4.1	18 2	1 7	7.60	1.3	3 3
R21744	37.0	20.0	1.4	1.2	2 01	0 480	0.53	< 0.02	0.22	< 0 02	< 0.02	0.31	22.5	378	579	79.2	252	26.1	3.2	14.1	1 1	4.79	0.8	1.9
R21745	20 7	21.0	2.4	2.0	3 13	0 598	0.33	< 0.02	0 88	< 0.02	< 0 02	0 65	27.6	401	600	94 9	294	30.6	3.8	13 8	1 1	5.00	0.8	1.9
R21746	31 2	22.0	2.2	1.8	3 61	0 280	0.40	< 0.02	0.32	< 0 02	< 0.02	0.53	31.0	342	414	75 4	243	24 5	3.1	12.8	1.1	4 80	0 8	2.0
R21747	34.5	3.31	1.7	2.5	4 41	0 013	0 03	< 0 02	0.53	< 0 02	< 0 02	0.43	30 3	16 4	35.8	3 8	12.6	2.2	0.4	1 6	0 2	0 988	0 2	0.4
R21748	24.7	23.1	3.0	1 8	2.72	0 675	0.52	< 0.02	0.33	< 0.02	< 0.02	0.43	38 5	498	635	122	386	41.7	4.9	22.3	1.7	6.45	1.0	2.2
R21749	42 0	18.9	3.6	2.4	5 80	0 266	0.53	0.03	0 95	< 0.02	< 0.02	1.30	83 6	221	305	51 8	170	19.4	2.6	11.1	0 9	4.31	0 7	1.8
R21750	17.0	26.4	1.2	1.1	6.89	0.223	0.78	< 0.02	0.35	< 0.02	< 0.02	0.51	97.2	362	624	85 4	277	30.0	3.8	16.1	1.3	5.59	0.9	2.4
R21751	24 3	14.9	0 7	0.9	1.82	0 337	0.31	< 0.02	0.42	0.04	< 0.02	0 15	40.1	377	524	79 4	226	20 9	2.5	10.4	0 8	3.41	0.6	1 4
R21752	16 3	17.1	1 7	1.3	3 35	0.341	0.35	< 0.02	0.23	< 0 02	< 0.02	0 21	18.1	312	436	59.6	180	18.5	2 4	11.6	1.0	4.12	0.7	1 6
R21753	25 4	24.0	1.9	1.5	2 73	0.502	0.57	< 0.02	0 29	< 0 02	< 0.02	0.22	21 7	468	646	99.7	302	29.9	3.5	14 7	1.2	5.14	0.9	2 1
R21754	21.4	21.5	1.2	1.2	2.30	0.395	0.31	< 0 02	0.21	< 0.02	< 0 02	0.18	39 9	436	674	92 2	276	27 8	3.2	15.4	1 2	5 12	0.8	2 0
R21755	22 1	22.6	1.0	1.5	2.45	0 525	0 44	< 0.02	0.38	0 07	< 0 02	0.32	52.3	399	622	86 1	258	24.8	2.8	11.9	1 0	4.79	0.8	2.0
R21756	27.2	12 9	1.2	1.9	2.31	0.127	0.11	0.02	0 65	< 0.02	< 0.02	0.54	149	150	227	31.8	97.2	10.6	1.4	5.9	0 6	2.81	0.5	1.1
R21757	21 8	23.3	1.8	1.8	2 77	0.580	0.48	< 0.02	0.27	0 04	< 0.02	0 50	46.6	473	614	106	328	32.5	3 5	15.1	1 3	5 50	0.9	2.1
R21758	44.6	27.4	3.6	2.2	2 71	0.532	0.44	< 0.02	0.38	0 02	< 0 02	0.70	51 9	517	619	122	390	38.8	4 4	15.8	1 3	5.88	1.0	2.4
R21759	55.3	21 5	4.7	2.4	2.85	0.270	0.32	< 0.02	0.44	0.02	< 0.02	0.89	10.9	408	416	95.1	298	26.8	3 1	11.3	0.9	4.24	0 7	1.8
R21760	39.8	14 1	2 6	1.1	5.53	0.037	0.09	0.03	0.99	0 02	< 0.02	0 94	205	107	181	28.8	102	12.7	1 7	6 7	0 6	3.13	0 5	1.4
R21761	31 5	18.2	3 2	2.9	2 03	0 228	0.38	< 0.02	0.46	0.03	< 0.02	0 58	48.0	319	412	72.8	240	24.4	2.9	12 4	0 9	4.20	0 7	1.7
R21762	21.5	23.6	1 9	1.8	3.49	0.407	0.36	< 0.02	0.26	< 0 02	< 0 02	0.57	43.7	372	484	88.9	293	30.6	3.8	15 6	1 2	5.15	0.8	2.0
R21763	26.9	19 5	0.9	1.0	1.60	0.396	0.41	< 0 02	0.20	0 05	0 03	0.23	85 5	415	665	101	321	33.6	4 1	14 0	1.1	4.66	0.8	1 8
R21764	29 2	13 6	1.1	1.7	2.57	0.234	0.29	< 0 02	0 28	0 04	< 0 02	0.37	53 9	237	407	53 9	171	16.8	1 9	7 6	0 6	2 92	0.5	1 2
R21765	26.7	14.6	0.8	2.0	3 59	0.103	0.34	< 0.02	0 49	0 02	< 0 02	0 31	72.8	220	282	48 5	154	15.9	1.8	8 0	0 7	3 07	0.5	1 3
R21766	28 8	19.8	0.9	1.8	3.95	0.228	0 41	0.02	0.60	0 03	< 0.02	0 58	146	248	374	60 8	196	20.5	2.3	10 1	0 9	4 06	0.7	1.7
R21767	16.5	22.1	2.1	1.5	3 67	0.400	0.46	< 0.02	0.39	0 14	< 0 02	0 33	33 4	412	557	76 8	226	21.1	2.3	11.1	0 9	4.08	0.7	1.8
R21768	23.1	19.5	0.9	1 5	2 52	0.246	0.47	< 0 02	0.31	0.03	< 0 02	0 30	22 3	323	498	58.7	218	21.7	2 5	11.3	0 9	3.89	0.6	1.6
R21769	60.3	22 9	1 7	1.9	8.47	0.314	0.33	< 0.02	0.34	0 02	< 0.02	0 38	< 0 5	405	536	87.6	272	26.7	3 1	14.9	1 1	4 82	0.8	2.0
R21770	19 2	22.2	0.7	1.1	2.10	0.442	0.47	< 0 02	0 18	0 05	< 0 02	0.25	42.7	433	689	83 8	251	24.2	2.8	14.3	1 1	4.93	0 8	2.0
R21771	23.7	18.6	0 3	1.2	2.59	0.178	0.63	< 0 02	0 41	0 05	< 0.02	0.44	80.5	267	530	58.3	182	18 5	2.2	10.0	0 8	3 87	0.7	1.6
R21772	27 5	15 9	0.9	1 7	2.23	0.376	0.37	< 0 02	0.37	0.03	< 0.02	0 37	76 1	278	455	63.2	199	19.8	2.2	9 2	0.8	3.73	0.6	1 5
R21773	25.7	27 1	0.4	0.8	11 1	0.501	0.71	< 0.02	0.33	0.03	< 0.02	0.53	80 5	400	702	88.2	276	27.4	3.2	13 5	1 1	5.16	0 9	2 2
R21774	24.8	24.1	1.5	1.8	7.00	0 243	0.70	< 0.02	0.40	0 06	< 0.02	0.71	47 8	343	453	83.4	278	29.0	3.4	14.4	1.1	5.01	0.8	2.1
R21775	27.3	13.9	3 1	2.4	4 22	0.538	0.34	< 0.02	0.47	0 03	< 0.02	0.89	50.3	388	265	90.6	280	26.6	2.8	11 0	0 8	3.43	0 5	1.2
R21776	20.5	15.7	0 9	1.7	2.20	0 510	0.30	< 0.02	0 44	0 08	< 0.02	0.59	76 4	331	592	73 2	229	22.2	2.5	10 0	0.8	3.68	0.6	1.4
R21777	38 5	4.01	1 3	2.8	3 46	0.011	0.05	< 0 02	0 53	0 03	< 0 02	0.51	27.0	19.7	43.6	4.5	15 4	2.5	0.4	1 5	0.2	1.04	0 2	0.5
R21778	24 5	19.3	1 8	1.6	2.58	0 762	0.43	< 0 02	0 28	0 03	< 0 02	0.49	48.4	508	656	105	320	29.6	3.3	13 8	1 1	4.59	0 7	1.7
R21779	38.3	14.0	2 2	2.6	1 38	0.719	0.31	0.04	1.11	< 0.02	< 0.02	1.83	433	269	390	56 3	170	17 7	2.1	9.2	0.8	3.36	0 5	1.3
R21780	18.3	45 3	0.5	1.3	3.53	0.247	1.15	< 0.02	0.37	0 05	< 0.02	0 77	86.3	449	1870	115	386	41 3	5.0	24.9	1.9	8.57	1.5	3.7
R21781	31 1	22.5	1.5	1.9	4.52	0 200	0 53	< 0.02	0.47	0.05	< 0.02	0.71	50 3	258	389	60.8	200	21.1	2.6	10 2	0.9	4.27	0.7	1 9
R21782	21.2	25.7	0.8	0.9	4.60	0.378	0.43	< 0.02	0 19	0.03	< 0 02	0.22	67.2	442	676	102	313	33.0	3.8	14 9	1.3	5 85	1.0	2 5
R21783	22.5	30.3	0.7	1 0	3.73	0 360	0.61	< 0.02	0.20	0 03	< 0.02	0.50	54.0	323	498	73.2	245	26.0	3.4	16.0	1 3	6 13	1.0	2 5
R21784	32 2	31.0	1.9	1.8	2 03	0.230	0 64	< 0.02	0 34	0 05	< 0 02	0 57	43.2	470	602	105	338	35.0	4.4	18 0	1.6	7.03	1 2	2.9
R21785	31 3	42.3	2 2	2.3	11 3	0 285	0.56	< 0.02	0.57	0 05	< 0 02	0 89	22.1	487	661	115	369	38.8	4.7	18 7	1.7	8.04	1.4	3.6
R21786	30 5	14 2	3.0	3.1	2 25	0.547	0.27	0 02	0.64	0 02	< 0 02	0.92	83.2	283	272	63.3	197	19 6	2.1	8.2	0.6	2.92	0.5	1.2
R21787	20.0	18.6	0.7	1.6	2 36	0.501	0.54	< 0 02	0.39	0.04	< 0.02	0.57	116	364	617	80.0	256	25.7	3.0	13 7	1 0	4.40	0.7	1.7
R21788	25 4	30.2	1.8	1.8	7.57	0 323	0.79	< 0.02	0 37	0 03	0 02	0.74	48 3	436	827	110	361	37.4	4 3	18.1	1.4	6.33	1.1	2 7
R21789	20.9	16 1	1.1	1 3	1 77	0.628	0.37	< 0 02	0.25	0.03	< 0.02	0.38	35.4	345	496	90 5	299	29.4	3.0	12.7	0 9	4 03	0.6	1.5
R21790	15.4	21 2	1.0	1.1	4.55	0.528	0.35	< 0.02	0.22	0.06	< 0 02	0 30	42 9	394	812	93 3	296	29 6	3.3	14.0	1 1	4.86	0 8	2.0
R21791	21.3	18 9	0.7	1.1	2.59	0.485	0.35	< 0.02	0 27	0 08	< 0.02	0.16	72 5	385	574	88.9	287	27.3	2.9	13.7	1 0	4.36	0.7	1.7
R21792	31.0	14.7	1.7	1.7	4.46	0.140	0 17	0.02	0 73	0 03	< 0.02	0 75	180	180	276	41.3	137	15.1	1.8	8 6	0.7	3.38	0.6	1.4
R21793	34.6	27 9	1.9	1.5	2.31	0.459	0.54	< 0.02	0.23	0.03	< 0.02	0.29	30.5	755	961	149	459	40 9	4.2	22 1	1 6	6.52	1.0	2.5
R21794	30 9	10 8	1.1	2.2	3.73	0 134	0 20	< 0 02	0 44	0.03	< 0.02	0.35	76.8	126	192	28 1	92.2	10.6	1.3	5.8	0.5	2 44	0 4	1 0

Analyte Symbol	Sr	Y	Zr	Nb	Mo	Ag	Cd	In	Sn	Sb	Te	Cs	Ba	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er
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	0 5	0.01	0 1	0.1	0.01	0 002	0.01	0.02	0 05	0.02	0 02	0.02	0.5	0.5	0 01	0.1	0.02	0.1	0 1	0.1	0.1	0.001	0.1	0.1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
R21795	51.7	13.7	8.9	1 2	2.69	0.140	0 18	0.04	1 19	0.04	< 0.02	1 36	29 8	121	207	25.9	85.8	9 9	1 3	5 8	0.6	2.82	0.5	1 3
R21796	25.6	34 3	3.9	1 5	2.63	0.421	0.41	< 0 02	0.25	0 06	< 0.02	0 68	35 4	340	556	85.6	303	36.1	4 6	19.8	1.6	7 02	1.1	2 9
R21798	25.3	31.8	4.5	2 0	2 62	0.528	0.74	< 0.02	0 23	< 0 02	< 0.02	1.23	51 6	510	711	129	428	47.0	5.3	23.9	1.8	7.67	1 2	2.9
R21799	35 4	31.0	2.6	2 4	2 13	0.617	0.39	0 03	0 88	0 02	< 0.02	2.63	88.2	447	744	118	392	43.4	5.0	20.7	1.7	7 48	1 2	2 9
R21800	27.1	20.0	3.0	2.6	3 47	0.724	0.27	0.02	0.62	0 06	< 0.02	2.41	152	331	442	83.0	269	29.0	3.3	14 2	1.1	5.03	0 8	1 9
R21801	44.3	21.1	3 5	3 4	1.57	0.517	0.57	0.03	1 07	0 03	< 0.02	2.46	347	351	411	77 5	248	26 3	3.0	13 7	1.1	4.69	0 8	1.9
R21802	31.8	26.2	2 8	3.2	4.07	0.473	0 36	0.03	0.80	0.04	< 0 02	1.97	72 8	384	476	86.1	276	29 0	3 4	15.3	1.3	5.66	1 0	2 4
R21803	24.1	21.7	2 1	2.8	4 15	0 213	0.38	< 0.02	0 59	0 03	< 0.02	1.44	215	285	386	69.6	227	24.5	2 9	12.9	1.1	4.87	0.8	2 1
R21804	24.2	20.6	1 5	2.8	4 14	0 177	0.42	< 0 02	0 53	0.04	< 0.02	0.41	74.4	319	395	77.3	249	24 8	2.8	11.9	1.0	4.64	0.8	2 0
R21805	29.1	22.5	1 7	2 4	3 40	0.179	0.47	0 02	0 66	0.02	< 0.02	0.80	132	295	415	76.7	253	26 2	2.9	11.7	1.0	4.78	0.8	2 0
R21806	27.5	25 6	3 8	2 2	2 09	0 402	0.47	< 0.02	0.33	0.04	< 0.02	0.62	52 3	429	538	103	333	32 7	3 6	14.4	1.1	5.19	0.9	2 2
R21807	22 8	21.2	1.0	1 5	2.86	0.232	0.62	< 0.02	0.34	0 04	< 0.02	0.41	60.2	305	451	76.4	257	27 0	3 3	12.8	1.0	4.65	0.8	1.9
R21808	19.1	20.9	0.6	1 1	1.60	0.431	0.46	< 0.02	0 19	0 05	< 0.02	0 31	79.0	352	672	84.9	284	30 0	3.5	16.0	1.2	5.24	0.8	2 0
R21809	33.0	39.5	7.3	3 1	4.49	0 673	0.36	< 0.02	0.48	< 0 02	< 0.02	0 76	43 5	862	996	194	605	56 8	5 8	25 7	2.0	8.88	1 5	3 6
R21810	31.3	21.2	1.5	1 2	1.36	1.51	0.49	< 0.02	0.21	0.04	< 0 02	0 36	31.5	513	624	109	338	31 3	3.3	14 6	1.1	4.76	0 8	1.9
R21811	23.0	22.0	0.9	1 1	2.18	0.382	0.32	< 0.02	0.16	0.04	< 0.02	0 20	34 8	445	632	94.4	297	27.3	3.0	13 1	1.0	4 52	0 8	1.9
R21812	26.3	21.3	1.6	1 1	1.97	0.484	0.38	< 0.02	0.14	0.03	< 0 02	0.24	42 3	434	591	113	368	35.1	3 6	14 2	1.1	4.87	0 8	1.9
R21813	25.5	16.4	0.8	0 7	1.34	0.387	0.40	< 0.02	0 19	0.05	< 0.02	0.19	76 4	453	668	91.9	327	31.3	3.1	11.7	0.9	4 14	0 6	1 5
R21814	25.9	21.6	2.0	1.6	1.74	0 397	0.41	< 0.02	0.32	0 05	< 0 02	0 52	36 9	384	484	111	375	39.5	4.2	16 3	1.3	5 62	0 9	2 3
R21815	26.0	16.6	1.9	2.1	4.57	0 168	0.22	< 0 02	0 45	0 03	< 0.02	0.76	40 8	318	324	75 5	242	23.4	2.7	10 1	0.8	3 73	0 6	1 6
R21816	31.4	17.5	2 8	2.9	2.03	0.552	0.29	0 03	0 66	0 03	< 0 02	0.96	57 1	323	391	79.9	260	25 9	2.9	11.6	0.9	4.16	0 7	1 7
R21817	18.3	15.8	0.7	1.4	3 40	0.541	0.47	< 0.02	0.28	0 05	< 0.02	0.44	37 6	268	379	62.0	201	20.0	2.4	9.8	0.8	3.57	0.6	1.5
R21818	22.2	20 0	0.9	1.9	2.57	0.140	0.26	< 0 02	1 36	0.05	< 0.02	0.69	66 4	253	384	59.4	199	22 1	2 8	12.2	1 0	4.59	0.8	1 9
R21819	21.6	32 3	1.2	1 6	2.49	0.337	0.56	< 0.02	0 34	0 05	< 0.02	0.67	21.9	385	652	96.0	327	36 5	4.6	19.6	1 7	7.72	1.3	3 1
R21820	20 5	28 6	1.8	1.4	3.78	0.711	0.40	< 0 02	0.24	0.04	0.03	0.65	52 0	402	571	97.7	326	35 1	4.3	17.9	1.6	6 95	1 2	2 8
R21821	27 0	36 9	2 7	1.9	3 23	0.459	0.58	< 0 02	0.41	0 03	< 0.02	0.90	46.7	438	820	121	417	46.8	5 6	22 3	1 8	8 89	1 5	3.8
R21822	18.9	38 5	0 4	1 1	5 36	0.239	0.66	< 0.02	0 24	0.07	< 0.02	0.55	24 3	306	558	72.8	249	29.3	3.8	16 7	1.5	7 24	1 3	3 3
R21823	33 0	53 8	1.0	1.3	1 66	0 328	0.36	< 0 02	0.17	0 04	< 0.02	0.78	33.9	267	410	73.9	283	40.5	7 0	26 5	2 5	12.0	2 1	5 3
R21824	27.6	30 0	1 2	1.9	6 32	0.153	0 28	< 0.02	0.41	0.05	< 0.02	1.26	59.8	117	167	35.3	138	20.8	3.3	13.0	1.3	6 13	1 1	2.8
R21825	24.5	52.1	1.5	1 5	4 32	0.218	0 19	< 0 02	0.29	0.04	< 0.02	2.80	41.8	215	226	60 0	226	33.8	5 3	21 6	2.2	11 0	1 9	4.9
R21826	29.0	58 7	1 7	2.0	10 3	0.445	0.70	< 0.02	0.40	0 03	< 0.02	4.15	41.1	233	348	63.4	235	33.5	5 2	22.8	2 3	11.7	2 1	5 6
R21827	30.6	34.3	1 6	1.7	2.58	0.169	0.38	< 0.02	0 29	0 04	< 0.02	1.32	24.8	178	319	45.5	164	21.8	3 3	14.2	1.4	6.82	1 2	3 2
R21828	31.5	32 0	1 8	2.0	2.40	0.198	0 37	< 0.02	0.42	0 04	< 0.02	3.23	38.6	163	207	40.9	147	20 6	3 1	12.3	1.2	6 09	1.1	2 9
R21829	57.6	66 6	4 8	1.1	4.81	0.644	0.45	0.03	1.17	0 03	0.03	9.48	258	465	656	120	432	57.1	7.8	31.0	2.9	13.9	2 4	6 3
R21830	46.5	66.6	7 6	2 9	5.35	0.321	0.41	< 0.02	0 49	0 03	0.03	2.94	34.2	294	460	86.6	335	51.5	8 4	30 8	3 0	14.4	2.6	6 6
R21831	45 3	54.6	2 6	2.7	5 46	0 546	0.58	< 0.02	0 59	0.04	< 0.02	3 73	48.5	310	403	80.2	299	41 9	6 6	25.6	2 4	11.5	2 0	5.1
R21832	36 0	18.3	1 3	2.4	6 20	0.102	0.29	< 0.02	0.55	0.04	< 0.02	0.90	84 3	82.7	161	22.7	85.8	12.4	2 0	8.1	0 8	3.96	0.7	1.8
R21833	29.0	62 9	0 5	1 3	8 81	0.364	0.53	< 0 02	0.23	0.04	< 0.02	1.09	47.8	341	471	88.3	325	42.4	6.5	25 3	2.4	12.0	2 2	5 6
R21834	28.0	24 1	0.9	2.4	3 76	0.067	0 34	< 0.02	0.50	0.05	< 0.02	0.60	40 8	111	187	30 0	109	14.9	2.3	9 5	0.9	4 69	0.9	2 3
R21835	27.8	61.7	1 1	1.6	4.73	0.398	0 44	< 0.02	0.28	0 07	< 0.02	1.02	21.5	279	560	85.0	333	48 3	8 4	28 7	2 7	13.1	2 3	5.8
R21836	33.0	42.7	0 7	1.7	3.55	0.231	0.47	< 0.02	0.41	0.04	< 0.02	0 88	60.4	214	384	56.8	205	27 9	4 1	17.3	1.7	8 13	1 5	3.7
R21837	35 0	58.2	1.6	0.9	7.17	0.342	0.49	< 0 02	0.11	< 0 02	0.03	0 59	30.3	301	599	92.2	340	50.6	8 0	28 7	2.8	13.0	2 2	5.3
R21838	32.4	59.7	1.5	2.3	7.15	0.494	0.66	< 0 02	0.43	0 06	< 0.02	1.19	18.6	247	404	70.2	265	39 2	6.2	24 3	2.4	11.8	2 1	5 5
R21839	36 3	3.69	0 9	2 7	3.54	< 0.002	0.05	< 0 02	0.46	< 0 02	< 0.02	0.47	26 8	18 4	40 8	4.3	15.4	2 5	0.5	1.7	0 2	1.02	0 2	0 5
R21840	29.9	52.5	0 6	2.3	5.46	0.264	0 24	< 0.02	0.51	0.05	< 0.02	1.72	84 1	237	524	68.3	249	36.2	5 6	24.4	2 5	12 2	2 2	5.7
R21841	25 6	40.2	1.1	2 1	2 26	0 248	0.44	< 0.02	0 30	0 05	< 0.02	0 47	22 2	187	314	47.1	170	23.8	3 8	15 7	1.6	8.28	1.5	4.0
R21842	32.9	26.5	0 7	1 1	2.93	0 169	0.23	< 0.02	0 50	0 03	< 0.02	0.54	82.9	120	271	28.6	101	14.1	2 2	9 3	1.0	5.05	0 9	2.5
R21843	30.2	52.7	0 9	2 3	3.22	0.128	0.31	< 0.02	0.45	0 03	< 0.02	1 18	85 3	219	408	63 9	241	34.8	5.5	22 1	2 1	10 7	1 9	5 1
R21844	38.0	36 3	2.5	3 0	7.51	0.301	0.12	< 0 02	0 74	0 06	< 0.02	1.36	36.2	224	398	56 3	205	27 4	4.3	17 4	1.7	7.88	1.4	3.5
R21845	60.5	55.3	5.2	3 3	3 68	0.336	0.54	< 0 02	0.51	0.07	< 0 02	1.28	45 6	540	764	121	420	48 8	8 0	27 6	2.4	11.3	2 0	5.1
R21846	51.4	63.1	1 7	1.9	2 26	0.343	0.32	< 0.02	0.31	0.04	< 0.02	0.87	36.3	606	876	136	463	53 8	9.1	30 8	2.7	12.7	2.2	5.7
R21847	42.0	40.6	1 1	2.3	3 34	0.199	0.44	< 0.02	0.60	0.04	< 0.02	1.01	123	231	448	62 4	222	29.4	4 3	17 9	1.7	8.54	1 5	4 1

Analyte Symbol	Sr	Y	Zr	Nb	Mo	Ag	Cd	In	Sn	Sb	Te	Cs	Ba	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er
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	0.5	0.01	0.1	0.1	0.01	0.002	0.01	0.02	0.05	0.02	0.02	0.02	0.5	0.5	0.01	0.1	0.02	0.1	0.1	0.1	0.1	0.001	0.1	0.1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
R21848	38.7	36.2	1.4	2.4	2.89	0.196	0.52	< 0.02	0.51	0.03	< 0.02	0.73	85.9	213	358	55.2	195	25.4	3.9	15.6	1.5	7.47	1.4	3.5
R21849	34.4	62.5	1.3	2.0	3.00	0.415	0.34	< 0.02	0.30	0.03	< 0.02	1.14	91.2	298	582	86.0	326	47.7	8.1	30.1	2.9	14.3	2.5	6.5
R21850	32.2	73.6	0.8	1.6	1.46	0.323	0.39	< 0.02	0.26	0.05	< 0.02	0.81	19.8	298	550	85.4	324	48.1	8.5	31.1	3.2	16.0	2.9	7.7
R21851	31.5	51.1	1.1	2.3	2.10	0.503	0.51	< 0.02	0.48	0.05	< 0.02	1.44	76.1	267	411	65.0	229	31.0	4.9	19.2	1.9	9.50	1.7	4.6
R21852	34.6	42.2	2.8	2.5	1.31	0.275	0.44	< 0.02	0.49	0.05	< 0.02	1.36	59.2	233	335	59.1	211	29.0	4.4	18.0	1.7	8.45	1.5	3.9
R21853	41.0	34.7	2.0	2.3	3.03	0.526	0.29	0.02	0.84	0.09	< 0.02	1.63	165	256	365	53.0	177	22.2	3.4	14.4	1.4	6.95	1.2	3.3
R21854	32.7	32.3	1.2	2.3	1.88	0.372	0.44	< 0.02	0.49	0.09	< 0.02	1.16	65.1	171	259	36.6	126	17.0	2.7	11.2	1.2	6.07	1.1	3.0
R21855	25.6	50.9	0.9	1.8	2.99	0.289	0.46	< 0.02	0.42	0.10	< 0.02	0.94	60.5	222	429	54.0	191	26.5	4.2	17.7	1.8	9.31	1.7	4.7
R21856	51.9	10.9	1.1	2.2	3.22	0.081	0.11	< 0.02	0.62	0.03	< 0.02	0.46	39.1	67.6	123	15.8	57.9	8.4	1.4	5.6	0.6	2.67	0.4	1.1
R21857	37.8	25.9	1.0	1.7	2.45	0.085	0.28	< 0.02	0.55	0.04	< 0.02	1.27	105	137	270	39.4	142	19.2	2.8	11.9	1.1	5.42	1.0	2.6
R21858	32.2	50.9	2.0	2.4	2.40	0.429	0.39	< 0.02	0.37	0.04	< 0.02	1.05	24.1	283	499	72.1	256	33.9	5.1	22.3	2.1	10.2	1.8	4.8
R21859	30.0	53.2	1.0	2.7	2.64	0.568	0.34	< 0.02	0.64	0.08	< 0.02	1.86	104	252	442	60.3	216	30.3	4.7	20.3	2.1	10.3	1.9	5.0
R21860	27.1	72.3	1.1	2.3	3.18	0.277	0.28	< 0.02	0.49	0.04	< 0.02	1.63	79.6	281	555	72.0	260	37.0	5.6	25.3	2.6	13.3	2.5	6.8

Analyte Symbol	Tm	Yb	Lu	Hf	Ta	W	Re	Au	Tl	Pb	Th	U
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm
Detection Limit	0 1	0 1	0 1	0.1	0.05	0 1	0.001	0.5	0 02	0.01	0.1	0.1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
R21691	0.3	2 0	0.3	< 0 1	< 0.05	< 0 1	0.001	1 2	0 21	7.65	5.6	6.3
R21692	0.2	1 5	0.2	< 0 1	< 0 05	< 0 1	< 0.001	< 0 5	0 12	5 39	9.6	5.9
R21693	0 4	2 4	0.4	< 0 1	< 0.05	1.4	0.001	< 0.5	0 13	4.36	6 3	11.6
R21694	0.3	1.9	0.3	< 0.1	< 0.05	< 0.1	< 0 001	< 0.5	0 10	5 07	1 9	7.1
R21695	0.3	1 8	0.3	< 0.1	< 0.05	0.1	0.002	< 0.5	0 13	7.69	2.1	10 2
R21696	0 5	3 0	0 4	< 0 1	< 0.05	0.2	0.004	< 0 5	0 37	3 61	3 1	17 4
R21697	0.6	3.6	0 5	< 0 1	< 0 05	< 0.1	0.003	< 0.5	0.32	5 34	4 3	23 8
R21698	1.0	5.9	0 8	< 0.1	< 0 05	< 0.1	0 006	0 8	0 62	5.28	2.8	67.7
R21699	0 4	2.2	0 3	< 0.1	< 0.05	< 0.1	0 002	< 0 5	0.17	4 48	3.4	14.6
R21700	0.5	3.1	0.5	< 0 1	< 0 05	< 0 1	0.002	< 0 5	0.22	3 96	3.4	16.8
R21701	0.5	3.1	0.5	0 1	< 0 05	< 0.1	0.006	< 0.5	0.83	10 7	26.0	93.7
R21702	0.6	3 1	0 5	< 0.1	< 0 05	< 0.1	0.001	< 0.5	0 17	5 37	5 6	20.5
R21703	0.3	1.9	0 3	< 0.1	< 0.05	< 0.1	0.002	< 0.5	0 31	5 66	3 4	15 3
R21704	0 5	2.8	0 4	< 0.1	< 0 05	< 0.1	0.002	< 0.5	0 43	5 18	3 2	8 8
R21705	0.5	2.9	0.4	< 0.1	< 0.05	< 0 1	0.002	< 0.5	0 20	2 88	2 1	4 3
R21706	0 6	3.3	0 5	< 0.1	< 0.05	< 0.1	0.006	< 0.5	0.46	3 72	6.5	7.7
R21707	0.3	2 0	0 3	< 0.1	< 0.05	< 0 1	0 002	9.6	0 23	4.89	10 4	4 8
R21708	0.3	1.6	0 2	< 0.1	< 0.05	< 0 1	< 0 001	< 0 5	0 21	5 67	8 0	6 6
R21709	0.5	3.0	0 4	< 0.1	< 0 05	< 0.1	0.004	< 0 5	0 65	7.62	28 1	14.7
R21710	0 2	1.3	0.2	< 0.1	< 0.05	< 0 1	0 003	0 7	0 54	6.38	27.3	2.1
R21711	0 5	3.0	0.5	< 0 1	< 0.05	< 0 1	0 005	0.7	0 52	6.68	14 6	5.7
R21712	0 3	1.6	0 2	< 0.1	< 0.05	< 0.1	0 001	1 5	0 24	3.43	4.6	1 5
R21713	0.2	1.3	0.2	< 0.1	< 0.05	< 0.1	0.001	< 0 5	0 24	3 02	7.6	2.8
R21714	0.4	2.4	0.4	< 0.1	< 0.05	< 0.1	0.002	< 0 5	0 35	4.65	7.8	4.0
R21715	0.3	1 8	0.3	< 0.1	< 0.05	< 0 1	0.003	< 0 5	0.37	5.16	13.0	5.2
R21716	0.3	1.7	0.2	< 0 1	< 0.05	< 0 1	0.002	< 0 5	0.29	5.43	4.7	4.2
R21717	0.4	2 3	0 4	< 0.1	< 0 05	< 0.1	< 0.001	< 0 5	0.45	9.13	34.6	9 8
R21718	0.4	2.3	0.3	< 0 1	< 0 05	< 0 1	0.002	< 0 5	0.71	12 4	51.8	4.7
R21719	0.3	2 1	0 3	< 0.1	< 0 05	< 0.1	0 006	< 0 5	0 62	12 7	27.6	4 4
R21720	0.4	2 3	0 4	< 0.1	< 0 05	< 0.1	0.005	< 0 5	0.57	6.79	21.3	8 5
R21721	0.3	2 0	0 3	< 0.1	< 0 05	< 0.1	0.004	0 5	0 26	3.64	1.7	7 8
R21722	0.3	1 9	0 3	< 0 1	< 0 05	< 0.1	0.003	< 0 5	0 41	4.96	18.5	7 3
R21723	0.4	2.0	0.3	< 0 1	< 0 05	< 0.1	0.004	< 0 5	0 25	4.17	8.3	4 4
R21724	< 0.1	0 4	< 0 1	< 0 1	< 0.05	0.2	< 0.001	< 0 5	0 05	3.19	6.8	0 7
R21725	0.5	2.6	0.4	< 0.1	< 0.05	< 0.1	0.002	< 0 5	0 31	4 08	3.8	10.9
R21726	0.2	1 2	0.2	< 0.1	< 0 05	< 0 1	< 0 001	< 0 5	0.14	3.67	11.3	4.1
R21727	0.2	1.4	0.2	< 0 1	< 0.05	< 0 1	< 0.001	< 0 5	0 25	8.51	8.3	2.0
R21728	0.3	1 6	0 3	< 0 1	< 0 05	< 0.1	0.001	< 0.5	0.22	4.79	5.7	2.5
R21729	0.3	1 6	0 3	< 0.1	< 0 05	< 0.1	0.002	< 0.5	0.52	8 60	25.0	5 0
R21730	0.3	1.8	0 3	< 0.1	< 0 05	< 0.1	0.001	< 0 5	0 20	3 01	11 7	3 3
R21731	0.4	2.2	0 3	< 0 1	< 0.05	< 0 1	0 001	< 0.5	0 25	6 94	4.3	19.2
R21732	0.4	2.4	0.4	< 0.1	< 0.05	0 3	0 002	< 0 5	0 43	7 61	2.2	28.4
R21733	0.6	3.7	0 6	0 2	< 0.05	< 0.1	0.005	< 0 5	0 55	5 93	31.8	29.0
R21734	0 4	2.2	0 3	< 0 1	< 0 05	< 0.1	0.002	< 0.5	0 19	4 10	6.2	17 6
R21735	0.6	3.4	0 5	< 0.1	< 0 05	< 0.1	0.003	< 0.5	0 26	3.66	11.6	5 4
R21736	0.3	2.0	0 3	< 0.1	< 0 05	< 0.1	0.003	< 0.5	0.31	5 13	12 1	3 3
R21737	0.3	2.0	0 3	< 0.1	< 0 05	< 0.1	0.003	< 0.5	0 31	4 55	8 1	5 0
R21738	0.3	1.7	0 3	< 0 1	< 0 05	< 0.1	< 0.001	< 0.5	0.27	7.53	27.1	6.7
R21739	0.2	1 3	0.2	< 0.1	< 0 05	< 0.1	< 0.001	< 0 5	0.12	3 30	5.6	3.3
R21740	0.4	2.3	0.3	< 0.1	< 0 05	< 0.1	0 002	< 0 5	0 17	5.30	4.2	10.2
R21741	0.5	2.8	0 4	< 0 1	< 0.05	< 0.1	0 001	< 0 5	0 49	5.64	9.4	8.2
R21742	0.4	2 3	0 3	< 0.1	< 0.05	< 0.1	0 002	< 0 5	0 22	5.84	9 0	10.6

Analyte Symbol	Tm	Yb	Lu	Hf	Ta	W	Re	Au	Tl	Pb	Th	U
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm
Detection Limit	0.1	0.1	0.1	0.1	0.05	0.1	0.001	0 5	0 02	0 01	0 1	0.1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
R21743	0 4	2.6	0 4	< 0 1	< 0.05	< 0.1	0 001	< 0.5	0 24	6 78	10.5	14.8
R21744	0 2	1.4	0 2	< 0 1	< 0.05	< 0.1	0 001	< 0.5	0 23	3 93	3.5	2 1
R21745	0 3	1.4	0.2	< 0 1	< 0.05	< 0.1	0.001	< 0 5	0 27	6.37	4 4	1.9
R21746	0 2	1 4	0.2	< 0 1	< 0.05	< 0.1	0.002	< 0 5	0 23	2.85	5 5	6.5
R21747	< 0 1	0 3	< 0 1	< 0.1	< 0.05	< 0.1	< 0.001	< 0 5	0.05	3.48	5.1	0.6
R21748	0.3	1.7	0.3	< 0 1	< 0.05	< 0.1	0.002	7 5	0.48	3.59	9.3	2.7
R21749	0 2	1 5	0.2	< 0 1	< 0.05	< 0.1	0.003	< 0.5	0.55	8.92	18.8	6 4
R21750	0.3	2 0	0.3	< 0 1	< 0.05	< 0 1	0.002	< 0 5	0.46	5 14	4.8	7.3
R21751	0 2	1.1	0 2	< 0.1	< 0.05	< 0.1	0.002	0 5	0 20	3 49	2 6	1.1
R21752	0 2	1.2	0 2	< 0 1	< 0 05	< 0.1	< 0.001	< 0.5	0 22	3.27	2 8	0 7
R21753	0 3	1.6	0.3	< 0 1	< 0.05	< 0.1	0.004	< 0.5	0 25	3.29	2.0	1.6
R21754	0.3	1 6	0.3	< 0.1	< 0.05	< 0 1	< 0.001	< 0 5	0.18	2.18	1.8	1.3
R21755	0.2	1 5	0.2	< 0 1	< 0.05	< 0.1	0.004	2.3	0.30	3.71	2 5	1.0
R21756	0.2	0 9	0.1	< 0 1	< 0 05	< 0.1	0.001	1.9	0.27	3 40	10 2	0.6
R21757	0.3	1 6	0.2	< 0 1	< 0 05	< 0.1	0.005	3 4	0 29	3 33	5 5	2 2
R21758	0.3	1 8	0.3	< 0 1	< 0.05	< 0 1	0.005	1 2	0.37	3 07	8.3	3.7
R21759	0.2	1 4	0 2	0.1	< 0 05	< 0.1	0.008	0 9	0.28	2 97	11 0	6.4
R21760	0.2	1 2	0 2	< 0.1	< 0 05	< 0.1	0.001	1.7	0.35	6 13	14.4	3 4
R21761	0.2	1.3	0 2	< 0.1	< 0.05	< 0.1	0.002	1.7	0 29	3 27	10 1	4 6
R21762	0.3	1.5	0.3	< 0 1	< 0.05	0.2	0.005	8 0	0 27	2.94	4 9	4 3
R21763	0 2	1.3	0.2	< 0 1	< 0.05	< 0.1	0.002	1 5	0 30	3.51	2 3	2 3
R21764	0.2	0.9	0.1	< 0 1	< 0.05	< 0 1	0.002	1 5	0.20	2.83	2.3	2 4
R21765	0.2	1.1	0.2	< 0.1	< 0.05	< 0 1	0.002	< 0.5	0 21	3 23	5.6	1 6
R21766	0 2	1 4	0 2	< 0 1	< 0 05	< 0 1	0.004	0 5	0 33	4 81	10 7	2 7
R21767	0.2	1 5	0.2	< 0 1	< 0.05	< 0 1	0 003	< 0.5	0.30	7 84	5.3	1.8
R21768	0 2	1 3	0.2	< 0 1	< 0 05	0 3	0.003	1.8	0.15	3 17	0.8	2.2
R21769	0.3	1 7	0 3	< 0 1	< 0.05	0.4	0 007	< 0 5	0 29	3.42	6.4	2 8
R21770	0 2	1 5	0.2	< 0.1	< 0.05	< 0 1	0.003	< 0.5	0.25	3.97	2.3	0.9
R21771	0.2	1.2	0 2	< 0.1	< 0.05	< 0 1	0.003	1 5	0.27	5 20	3.6	3.3
R21772	0.2	1.1	0.2	< 0.1	< 0.05	0 2	0 003	1 9	0 21	2 85	2 2	2.2
R21773	0.3	1 8	0.3	< 0 1	< 0 05	< 0.1	0.003	1 6	0.57	4.08	2 9	8.7
R21774	0.3	1.7	0.3	< 0.1	< 0 05	< 0.1	0.005	0.8	0 34	3.84	5.4	7.4
R21775	0 2	0 9	0 2	< 0.1	< 0 05	< 0.1	0.005	4 1	0 36	4.27	14.8	1 5
R21776	0 2	1.1	0 2	< 0 1	< 0.05	< 0.1	0 003	2 1	0 34	6.14	3.7	1.4
R21777	< 0.1	0 4	< 0 1	< 0 1	< 0.05	< 0 1	0 001	< 0 5	0 08	3.40	6.1	0 7
R21778	0.2	1 2	0.2	< 0.1	< 0.05	0 1	0 005	1.1	0.39	3 27	3.5	2 1
R21779	0.2	1.0	0 2	< 0.1	< 0.05	< 0.1	0 002	< 0 5	0 83	10 6	23.4	1.5
R21780	0.5	2 8	0 5	< 0 1	< 0 05	< 0.1	0.005	3 1	0 44	12.3	2.8	14.3
R21781	0.2	1.5	0.2	< 0 1	< 0.05	< 0 1	0.007	0 7	0.29	5.94	3.0	6.0
R21782	0 3	1 8	0 3	< 0 1	< 0 05	< 0 1	0.002	1.2	0 17	3 38	1.2	3 2
R21783	0.3	1 9	0 3	< 0 1	< 0 05	< 0 1	0.004	1 2	0.18	4.70	1.2	9.8
R21784	0.4	2 1	0 3	< 0 1	< 0 05	< 0.1	0.005	< 0.5	0.24	3 60	2.5	4.2
R21785	0.5	2 8	0 4	< 0.1	< 0.05	< 0.1	0.019	2.0	0.32	5 60	5.7	11 7
R21786	0.2	1.0	0 2	< 0 1	< 0.05	< 0 1	0.007	2 8	0.47	5 38	11 4	1.2
R21787	0.2	1 3	0.2	< 0 1	< 0 05	< 0.1	0.004	1.5	0 36	4.50	5 3	1.7
R21788	0.3	2.2	0 4	< 0.1	< 0 05	< 0.1	0 007	2.9	0.35	4.86	6 7	8.7
R21789	0.2	1.1	0.2	< 0 1	< 0 05	< 0.1	0.003	3 3	0.36	2 85	4.2	1 5
R21790	0 3	1 6	0 2	< 0 1	< 0 05	< 0 1	0.004	3 7	0.29	4.67	2 9	1.7
R21791	0.2	1 3	0 2	< 0 1	< 0 05	< 0.1	0.005	0.8	0.32	4.36	2.4	1.2
R21792	0.2	1.1	0.2	< 0 1	< 0 05	< 0.1	0.002	3.1	0.29	5.87	13.9	2 2
R21793	0.3	1.8	0 3	< 0 1	< 0 05	< 0.1	0.008	3 3	0.33	3 80	4 1	2.1
R21794	0.1	0.8	0 1	< 0.1	< 0 05	< 0 1	0.002	1.7	0.22	2.94	7 1	1.4

Analyte Symbol	Tm	Yb	Lu	Hf	Ta	W	Re	Au	Tl	Pb	Th	U
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm
Detection Limit	0.1	0.1	0.1	0.1	0.05	0.1	0.001	0.5	0.02	0.01	0.1	0.1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
R21795	0.2	1.0	0.1	0.1	< 0.05	< 0.1	0.003	1.5	0.51	7.83	13.5	3.1
R21796	0.4	2.2	0.3	< 0.1	< 0.05	< 0.1	0.011	1.4	0.31	4.53	4.7	11.4
R21798	0.4	2.2	0.4	0.1	< 0.05	< 0.1	0.006	< 0.5	0.43	6.26	14.0	10.9
R21799	0.4	2.3	0.4	< 0.1	< 0.05	< 0.1	0.004	1.5	0.63	8.51	29.6	8.1
R21800	0.2	1.4	0.2	< 0.1	< 0.05	< 0.1	0.006	0.6	0.49	9.43	16.3	9.9
R21801	0.2	1.4	0.2	< 0.1	< 0.05	< 0.1	0.005	4.1	0.85	9.81	24.2	6.9
R21802	0.3	1.8	0.3	< 0.1	< 0.05	< 0.1	0.002	3.7	0.63	7.72	19.7	8.2
R21803	0.3	1.6	0.3	< 0.1	< 0.05	< 0.1	0.005	2.0	0.40	6.42	13.7	7.7
R21804	0.3	1.5	0.2	< 0.1	< 0.05	< 0.1	0.004	4.7	0.29	3.74	9.7	3.6
R21805	0.3	1.7	0.3	< 0.1	< 0.05	< 0.1	0.003	1.9	0.36	4.74	12.7	5.5
R21806	0.3	1.8	0.3	< 0.1	< 0.05	< 0.1	0.005	1.3	0.28	4.13	6.3	4.3
R21807	0.3	1.5	0.2	< 0.1	< 0.05	< 0.1	0.004	1.9	0.13	4.00	2.4	2.8
R21808	0.3	1.5	0.2	< 0.1	< 0.05	< 0.1	0.003	2.8	0.20	3.45	2.8	3.8
R21809	0.5	2.7	0.4	0.2	< 0.05	< 0.1	0.007	1.3	0.43	5.07	30.4	4.5
R21810	0.2	1.5	0.2	< 0.1	< 0.05	< 0.1	0.004	6.4	0.26	3.26	3.5	1.4
R21811	0.3	1.5	0.2	< 0.1	< 0.05	< 0.1	0.004	3.7	0.21	2.30	1.6	1.2
R21812	0.2	1.5	0.2	< 0.1	< 0.05	< 0.1	0.003	4.8	0.33	2.00	5.6	1.4
R21813	0.2	1.2	0.2	< 0.1	< 0.05	< 0.1	0.002	4.7	0.26	3.53	2.5	1.2
R21814	0.3	1.6	0.3	< 0.1	< 0.05	< 0.1	0.005	8.8	0.31	3.73	5.8	1.8
R21815	0.2	1.1	0.2	< 0.1	< 0.05	< 0.1	0.006	4.1	0.30	4.25	11.9	2.7
R21816	0.2	1.3	0.2	< 0.1	< 0.05	< 0.1	0.004	6.9	0.50	6.24	14.4	1.9
R21817	0.2	1.1	0.2	< 0.1	< 0.05	< 0.1	0.004	6.3	0.21	5.50	2.1	1.9
R21818	0.3	1.4	0.2	< 0.1	< 0.05	< 0.1	0.003	5.9	0.16	5.73	5.4	3.3
R21819	0.4	2.2	0.3	< 0.1	< 0.05	< 0.1	0.004	5.2	0.17	7.67	3.4	7.5
R21820	0.3	1.9	0.3	< 0.1	< 0.05	< 0.1	0.007	6.4	0.50	4.77	5.5	12.8
R21821	0.5	2.7	0.4	< 0.1	< 0.05	< 0.1	0.008	7.1	0.24	6.42	10.3	9.7
R21822	0.4	2.5	0.4	< 0.1	< 0.05	< 0.1	0.004	6.3	0.33	5.83	2.7	6.6
R21823	0.7	3.8	0.6	< 0.1	< 0.05	< 0.1	0.004	7.8	0.27	3.88	3.7	9.8
R21824	0.4	2.2	0.3	< 0.1	< 0.05	< 0.1	0.005	4.2	0.20	10.9	4.3	16.8
R21825	0.6	3.5	0.5	< 0.1	< 0.05	< 0.1	0.004	3.9	0.25	9.93	4.2	< 0.1
R21826	0.7	4.3	0.7	< 0.1	< 0.05	< 0.1	0.002	5.0	0.52	14.7	10.8	30.6
R21827	0.4	2.4	0.4	< 0.1	< 0.05	< 0.1	0.003	7.5	0.23	5.55	3.1	10.1
R21828	0.4	2.1	0.3	< 0.1	0.11	< 0.1	0.002	4.5	0.38	9.91	6.5	19.2
R21829	0.8	5.0	0.8	< 0.1	< 0.05	< 0.1	0.008	7.3	1.47	32.7	65.9	49.6
R21830	0.9	5.1	0.8	0.2	< 0.05	< 0.1	0.006	6.0	0.67	9.37	24.9	24.5
R21831	0.7	3.9	0.6	< 0.1	< 0.05	< 0.1	0.004	5.5	0.71	13.9	15.7	22.5
R21832	0.2	1.4	0.2	< 0.1	< 0.05	< 0.1	0.002	3.0	0.25	6.85	8.6	10.6
R21833	0.8	4.2	0.6	< 0.1	< 0.05	< 0.1	0.002	5.7	0.27	6.53	2.0	27.1
R21834	0.3	1.9	0.3	< 0.1	< 0.05	< 0.1	0.002	5.3	0.12	5.76	3.2	13.1
R21835	0.8	4.5	0.6	< 0.1	< 0.05	0.3	0.005	1.9	0.23	17.3	1.6	55.0
R21836	0.5	3.0	0.4	< 0.1	< 0.05	< 0.1	0.003	3.6	0.19	8.66	2.1	14.9
R21837	0.7	3.9	0.5	< 0.1	< 0.05	< 0.1	0.004	< 0.5	0.43	8.46	5.1	56.7
R21838	0.7	4.3	0.7	< 0.1	< 0.05	< 0.1	0.006	5.3	0.49	9.72	3.3	30.8
R21839	< 0.1	0.4	< 0.1	< 0.1	< 0.05	< 0.1	0.001	1.0	0.08	3.34	6.5	0.7
R21840	0.8	4.6	0.7	< 0.1	< 0.05	< 0.1	0.002	3.4	0.30	9.93	13.0	31.0
R21841	0.5	3.2	0.5	< 0.1	< 0.05	< 0.1	0.003	5.0	0.14	4.68	2.6	12.3
R21842	0.3	2.0	0.3	< 0.1	< 0.05	< 0.1	0.003	1.9	0.48	4.93	8.0	10.7
R21843	0.7	4.2	0.6	< 0.1	< 0.05	< 0.1	0.004	6.0	0.24	8.52	8.2	29.5
R21844	0.5	2.8	0.4	< 0.1	< 0.05	< 0.1	0.004	3.0	0.32	15.7	9.0	13.9
R21845	0.7	3.8	0.6	0.1	< 0.05	< 0.1	0.010	8.1	0.48	9.74	12.4	32.9
R21846	0.7	4.3	0.6	< 0.1	< 0.05	< 0.1	0.008	6.5	0.28	5.26	3.4	22.3
R21847	0.5	3.1	0.5	< 0.1	< 0.05	< 0.1	0.005	4.5	0.43	7.30	14.6	10.3

Analyte Symbol	Tm	Yb	Lu	Hf	Ta	W	Re	Au	Tl	Pb	Th	U
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm
Detection Limit	0.1	0.1	0.1	0.1	0.05	0.1	0.001	0.5	0.02	0.01	0.1	0.1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
R21848	0.5	2.7	0.4	< 0.1	< 0.05	< 0.1	0.008	2.7	0.37	5.82	10.6	9.8
R21849	0.9	4.9	0.7	< 0.1	< 0.05	< 0.1	0.006	5.3	0.69	4.41	7.3	15.1
R21850	1.0	6.0	0.9	< 0.1	< 0.05	< 0.1	0.005	7.9	0.20	7.03	3.2	21.0
R21851	0.6	3.6	0.5	< 0.1	< 0.05	< 0.1	0.004	2.3	0.49	8.50	10.4	26.7
R21852	0.5	3.0	0.4	< 0.1	< 0.05	< 0.1	0.004	5.3	0.41	8.07	9.0	26.0
R21853	0.4	2.4	0.3	< 0.1	< 0.05	< 0.1	0.003	2.4	0.49	12.6	25.5	18.3
R21854	0.4	2.3	0.3	< 0.1	< 0.05	< 0.1	0.002	4.4	0.30	9.51	6.3	53.6
R21855	0.6	3.8	0.6	< 0.1	< 0.05	< 0.1	0.002	0.9	0.29	8.27	3.9	19.2
R21856	0.1	0.8	0.1	< 0.1	< 0.05	< 0.1	0.003	2.8	0.15	4.11	5.1	9.1
R21857	0.3	2.1	0.3	< 0.1	< 0.05	< 0.1	0.004	2.3	0.28	6.83	8.3	6.2
R21858	0.6	3.9	0.6	< 0.1	< 0.05	< 0.1	0.003	3.7	0.26	5.95	6.5	20.1
R21859	0.7	4.1	0.6	< 0.1	< 0.05	< 0.1	0.003	3.9	0.53	11.1	14.3	27.5
R21860	1.0	5.8	0.9	< 0.1	< 0.05	< 0.1	0.006	4.9	0.33	8.50	6.8	58.6

Quality Control

Analyte Symbol	Li	Be	B	Na	Mg	Al	K	Bi	Ca	Sc	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Rb	Sr
Unit Symbol	ppm	ppm	ppm	%	%	%	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0 1	0.1	1	0.001	0.01	0.01	0 01	0.02	0 01	0.1	1	0.5	1	0 01	0.1	0.1	0.01	0.1	0 02	0.1	0 1	0.1	0 1	0.5
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
GXR-1 Meas	5.3	0.9	11	0.037	0.15	0.38	0 03	1640	0.75	1.1	70	9 1	876	24 0	7 3	39.8	1130	780	5.12		363	16 4	2.0	188
GXR-1 Cert	8.20	1.22	15.0	0 0520	0.217	3 52	0.0500	1380	0 960	1.58	80 0	12 0	852	23 6	8 20	41.0	1110	760	13 8		427	16.6	14 0	275
DH-1a Meas																								
DH-1a Cert																								
GXR-4 Meas	8 7	1 3	2	0 100	1.48	2.59	1.59	19.4	0.77	6 4	59	49.6	134	2.99	13.2	39.3	5870	65 7	9 84		87.8	5.9	89.3	66 3
GXR-4 Cert	11.1	1 90	4.50	0.584	1.66	7.20	4.01	19 0	1 01	7.70	87 0	84 0	155	3.09	14.6	42.0	6520	73.0	20.0		98.0	5.60	160	221
GXR-6 Meas	25.0	0 9	5	0 054	0.41	7.06	1.10	0 18	0 13	23 2	171	78 1	1030	5 59	12 6	24 5	66.0		17.7		214	0.3	67.4	30.2
GXR-6 Cert	32.0	1 40	9.80	0 104	0.609	17.7	1.87	0 290	0 180	27.6	186	96.0	1010	5 58	13 8	27.0	66 0		35.0		330	0.940	90.0	35.0
OREAS 13b (4-Acid) Meas																2370	2310				45.0			
OREAS 13b (4-Acid) Cert																2247	2327				57			
R21703 Orig	6.1	0.4	8	0.023	0 23	2 03	0 14	0.06	0.34	1.5	27	17.5	135	3.86	8 4	28.7	163	106	2.89	0.6	< 0 1	2.7	13.2	18.4
R21703 Dup	6.1	0 4	9	0 021	0.24	2.06	0.14	0.06	0 34	1 3	29	18.4	135	3.95	8.4	28.6	167	109	3 09	0 6	< 0.1	3.1	13.5	18.5
R21717 Orig	32.3	0.8	4	0.034	1 22	3.22	0.71	0 05	0 43	7.8	77	43 3	744	4.16	18 3	33.5	185	150	9.74	0.8	< 0 1	0 8	75.5	29.5
R21717 Dup	29.7	0.8	3	0.032	1 20	3 12	0.69	0 05	0 41	7.6	72	41 8	714	4.01	17 5	31.2	153	139	9.10	0.8	< 0 1	0.5	70.4	27.5
R21730 Orig	8.5	0.4	3	0.018	0 39	1 31	0.16	0.03	0 50	3.0	34	29.0	176	2.12	7 2	11.2	53 3	77.6	3.12	0.5	< 0 1	1.1	13.5	19.7
R21730 Dup	9.3	0.5	3	0.021	0.41	1.31	0.16	0 02	0 53	3.4	39	33 1	183	2 18	7 5	12.3	59 4	85.5	3.62	0 6	< 0.1	1.6	14.8	22.3
R21744 Orig	5.5	0.4	5	0 037	0 25	1.99	0.13	0 04	0.73	1.8	21	14.1	138	1.25	7 2	13.6	76 4	98.6	2.62	0 7	< 0.1	2.1	12.7	37.0
R21744 Dup	5.5	0.4	5	0.035	0.24	1.91	0.13	0.03	0.70	1 9	23	14.6	134	1.18	6 7	12.9	76 2	94 8	2.61	0.6	1.7	2.3	12.6	37 0
R21781 Orig	14.9	0 5	7	0 051	0.61	1.38	0.26	0.04	0 55	3.0	36	27 8	226	1.53	10.3	20.0	69.5	109	4 60	0 4	1.0	2 2	25 1	32 5
R21781 Dup	13 1	0.4	6	0.048	0 60	1 33	0.24	0.04	0 49	2 6	31	25 3	215	1.44	9.1	18.1	63 3	101	4.43	0 5	1.1	1 4	22.0	29 7
R21809 Orig	20.9	0.8	3	0.059	0 77	2.34	0 55	0.02	0 53	7 0	44	19.8	265	4 99	21.2	29.1	184	169	6.24	1 4	< 0.1	3.4	57 6	33 4
R21809 Dup	20.3	0.8	3	0.062	0.79	2.35	0 50	< 0.02	0 52	7 1	48	20.7	258	4.72	20.1	28.3	188	171	6.32	1 4	0.9	1.7	56.4	32.7
R21825 Orig	23.4	0.5	3	0.033	0 59	1.93	0.34	0.04	0 27	2 3	24	21.7	199	1.53	7.4	25 6	129	77.4	4.67	0.5	2.3	2.6	44.0	24.2
R21825 Dup	24.1	0.5	3	0.035	0 61	2.02	0.35	0 04	0 29	2.3	23	22 5	205	1.58	7 5	25 7	131	79.7	4.78	0 6	2.4	2.7	45.0	24.9
R21839 Orig	7.7	0.2	< 1	0.021	0 34	0.62	0.15	0.02	0.33	1.2	14	52 2	150	1 20	4 4	5.9	8 72	28 0	3 23	< 0 1	< 0.1	0.3	11 8	35.8
R21839 Dup	8.2	0.1	< 1	0.021	0 34	0.66	0.16	0.03	0 35	1 2	13	52 6	154	1.26	4 6	6.2	8 90	28 3	3 14	< 0.1	0.2	0.4	12 2	36.9
R21852 Orig	22.2	0.6	5	0 048	0 71	1 96	0 40	0.04	0 34	3 0	32	21 8	245	2 10	9 2	21.6	73.1	187	6 13	0 5	< 0.1	2.2	53 1	35.0
R21852 Dup	21.9	0.6	5	0 047	0 70	1 93	0 41	0.04	0 35	2 9	32	20.9	247	2 11	9.2	21.3	72.0	185	5 90	0 5	0.6	2.0	53.3	34.2
Method Blank Method Blank	< 0.1	< 0.1	< 1	< 0 001	< 0 01	< 0 01	< 0.01	< 0 02	< 0.01	< 0 1	< 1	< 0 5	< 1	< 0 01	< 0 1	< 0.1	< 0.01	< 0 1	< 0 02	< 0 1	< 0.1	< 0 1	< 0 1	< 0 5

Quality Control

Analyte Symbol	Y	Zr	Nb	Mo	Ag	Cd	In	Sn	Sb	Te	Cs	Ba	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	0 01	0.1	0.1	0 01	0.002	0.01	0.02	0 05	0.02	0.02	0.02	0.5	0.5	0 01	0 1	0.02	0 1	0.1	0 1	0.1	0.001	0.1	0.1	0.1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
GXR-1 Meas	25.8	11.8	0.2	16 6	27 3	2 24	0.70	23 9	82.1	13 3	2 50	144	4.2	10 6		6 18	2.2	0 5	3.3	0 6	4.15			0 3
GXR-1 Cert	32.0	38.0	0.800	18 0	31.0	3 30	0.770	54 0	122	13 0	3.00	750	7.50	17 0		18.0	2.70	0 690	4.20	0.830	4.30			0 430
DH-1a Meas																								
DH-1a Cert																								
GXR-4 Meas	10.5	8.2	0.2	303	3 09	0.12	0.18	5.14	2 72	0.77	2 27	7.6	44 1	85 1		33 0	5 2	1 2	4.1	0.5	2.40			0.1
GXR-4 Cert	14.0	186	10.0	310	4.00	0.860	0.270	5 60	4 80	0 970	2.80	1640	64 5	102		45.0	6 60	1 63	5.25	0.360	2 60			0 210
GXR-6 Meas	6.85	12.5	< 0.1	1 54	0.274	0 10	0.06	1 01	1 79	< 0.02	3 45	829	10.5	31 7		11.1	2.3	0.5	1 8	0.2	1.48			0.1
GXR-6 Cert	14.0	110	7.50	2.40	1.30	1 00	0 260	1 70	3.60	0.0180	4 20	1300	13.9	36.0		13.0	2 67	0.760	2 97	0.415	2.80			0 0320
OREAS 13b (4-Acid) Meas				7.90	0.778																			
OREAS 13b (4-Acid) Cert				9.0	0.86																			
R21703 Orig	26.4	1.7	1.6	5 43	0.560	0 57	< 0.02	0 30	0.02	< 0.02	0.59	20 3	323	443	65.7	209	24 2	3.3	15 4	1.4	6 27	1 0	2.5	0 3
R21703 Dup	27.6	1 5	1.4	5 68	0.572	0 56	< 0.02	0 31	0.03	< 0.02	0 62	77 9	343	472	69.8	226	25.7	3.4	15 5	1.4	6.53	1.1	2 6	0.3
R21717 Orig	29.3	1.6	0 8	7.74	0.448	0.12	0.03	0.75	< 0 02	< 0 02	1 49	164	339	579	97 2	313	38.3	4.7	19 2	1.7	7 71	1 3	3 0	0 4
R21717 Dup	26.6	1.7	1.1	7.57	0 440	0.10	0.03	0.72	< 0 02	< 0 02	1 47	184	324	545	92.1	301	36.7	4 7	19.3	1.7	7.33	1 2	2 9	0.4
R21730 Orig	24.2	1.9	2.9	4 86	0.178	0.23	< 0.02	0 45	< 0 02	< 0.02	0 36	46.2	267	318	60.0	196	22 3	3.0	13.5	1 2	5.59	0.9	2.3	0.3
R21730 Dup	27.0	2 1	3.2	4 92	0 192	0.26	< 0.02	0 50	< 0 02	< 0.02	0.35	46 8	276	334	63.9	205	23.3	2 9	12 2	1.1	5 52	1 0	2.4	0.3
R21744 Orig	19.8	1.2	1.2	2 07	0.491	0.54	< 0.02	0 23	< 0 02	< 0.02	0 32	23 4	386	583	79 3	253	25.5	3 2	14 7	1.2	4.91	0 8	1.9	0 3
R21744 Dup	20.3	1 6	1 2	1.94	0.469	0 53	< 0 02	0 22	< 0 02	< 0 02	0.30	21.6	370	575	79 1	250	25 7	3.1	13 6	1.1	4 67	0.8	1.8	0 2
R21781 Orig	23.4	1 6	2 0	4.77	0.209	0 56	< 0.02	0 49	0.06	< 0 02	0.75	69 1	269	382	62 1	203	21 4	2.6	10 5	0.9	4 35	0 8	2 0	0 2
R21781 Dup	21.7	1 5	1 8	4 27	0.191	0.50	< 0 02	0 44	0 05	< 0.02	0.67	31.4	248	356	59 5	198	20 8	2.5	10 0	0.8	4 18	0 7	1 8	0 2
R21809 Orig	38 8	6 5	3 1	4.67	0.688	0 38	< 0.02	0 48	0.03	< 0.02	0.77	45 9	853	988	192	600	56 7	5 9	27 3	2 1	9 10	1 5	3.6	0 5
R21809 Dup	40 2	8.1	3 1	4 31	0.657	0 34	0 02	0.48	< 0 02	< 0.02	0.75	41 0	851	1000	196	611	56 9	5.7	24 0	1.9	8 65	1 4	3 6	0 5
R21825 Orig	51.2	1.5	1 5	4.29	0.212	0 18	< 0 02	0.30	0.04	< 0.02	2.79	43.9	216	226	59.7	226	33 7	5 2	21.6	2 2	11 0	1 9	4 8	0 6
R21825 Dup	53 1	1.6	1 5	4.34	0 225	0.19	< 0 02	0.29	0.04	< 0.02	2.81	39.7	215	226	60 3	227	34 0	5 3	21.6	2.3	11.0	1 9	4 9	0 6
R21839 Orig	3 58	0 9	2 7	3 40	0.007	0 05	< 0 02	0 44	< 0 02	< 0.02	0.46	25 6	18.5	41.1	4 3	15 5	2.5	0.5	1 6	0 2	0.983	0 2	0.4	< 0 1
R21839 Dup	3 71	1 0	2 7	3.68	< 0.002	0 05	< 0.02	0 47	0 02	< 0.02	0.48	28.1	18 4	40.6	4.2	15 2	2.6	0.5	1 8	0 2	1.06	0 2	0.5	< 0 1
R21852 Orig	42 2	2.7	2 5	1.29	0.295	0 44	< 0.02	0.51	0.05	< 0 02	1.35	54.5	234	338	59.5	213	29 1	4.4	18 0	1 7	8 43	1.5	3.9	0 5
R21852 Dup	42.1	2.9	2 5	1.33	0.256	0 44	< 0.02	0.46	0 04	< 0.02	1.35	64.0	232	332	58.7	209	29.0	4.3	18.0	1.7	8.47	1.5	3 9	0 5
Method Blank Method Blank	< 0 01	< 0.1	< 0.1	< 0 01	< 0 002	< 0.01	< 0 02	< 0 05	< 0 02	< 0 02	< 0 02	< 0 5	< 0 5	< 0.01	< 0 1	< 0 02	< 0 1	< 0 1	< 0 1	< 0.1	< 0 001	< 0 1	< 0 1	< 0 1

Quality Control

Analyte Symbol	Yb	Lu	Hf	Ta	W	Re	Au	Tl	Pb	Th	U
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm
Detection Limit	0 1	0.1	0.1	0.05	0 1	0.001	0.5	0 02	0 01	0 1	0 1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
GXR-1 Meas	1 9	0 3	0.2	< 0 05	146		3280	0 33	757	1.9	34.8
GXR-1 Cert	1 80	0 280	0 960	0 175	164		3300	0 390	730	2 44	34.9
DH-1a Meas										> 200	2650
DH-1a Cert										910	2630
GXR-4 Meas	0.7	0.1	0.3	< 0.05	10 8		478	2 44	42.8	17.5	4 9
GXR-4 Cert	1.80	0.170	6.30	0.790	30 8		470	3.20	52 0	22.5	6.20
GXR-6 Meas	0.7	< 0 1	0 2	< 0.05	< 0 1		36.8	1.77	101	4.0	0.9
GXR-6 Cert	2.40	0.330	4.30	0.485	1 90		95.0	2.20	101	5.30	1.54
OREAS 13b (4-Acid) Meas											
OREAS 13b (4-Acid) Cert											
R21703 Orig	1 8	0 3	< 0.1	< 0.05	< 0 1	0.002	< 0.5	0.29	5 47	4.0	14.9
R21703 Dup	2.0	0.3	< 0.1	< 0.05	< 0 1	0.001	< 0.5	0.32	5 86	2.7	15.7
R21717 Orig	2 4	0 4	< 0 1	< 0.05	< 0.1	< 0.001	< 0.5	0 46	9 23	34 0	10 0
R21717 Dup	2.3	0.3	< 0 1	< 0.05	< 0.1	0 001	< 0.5	0.44	9.03	35 1	9.6
R21730 Orig	1.8	0.3	< 0 1	< 0 05	< 0.1	0.001	< 0.5	0 20	3.01	12 4	3.4
R21730 Dup	1.9	0.3	< 0 1	< 0.05	< 0.1	0 001	< 0.5	0 20	3.01	11 1	3.3
R21744 Orig	1.4	0.2	< 0 1	< 0 05	< 0 1	0.001	< 0.5	0.22	4.03	3 8	2.2
R21744 Dup	1.4	0.2	< 0.1	< 0 05	< 0.1	0 001	0.5	0.23	3.83	3 2	2 0
R21781 Orig	1.5	0.2	< 0 1	< 0 05	< 0.1	0.007	0 6	0 29	5.95	2.9	8.2
R21781 Dup	1.4	0.2	< 0 1	< 0.05	< 0.1	0.007	0 7	0.29	5 93	3.1	5.9
R21809 Orig	2.7	0.4	0 2	< 0 05	< 0.1	0 007	0.8	0.44	5 09	29.5	4.5
R21809 Dup	2.7	0.5	0 2	< 0.05	< 0.1	0 007	1.8	0.41	5 06	31.3	4.4
R21825 Orig	3.5	0.5	< 0.1	< 0.05	< 0.1	0 005	4.1	0 25	9.94	4.3	< 0.1
R21825 Dup	3.5	0 5	< 0 1	< 0.05	< 0.1	0.004	3.7	0.25	9 92	4.0	< 0.1
R21839 Orig	0 4	< 0.1	< 0.1	< 0.05	< 0.1	0.001	0 9	0.08	3.26	6 2	0 7
R21839 Dup	0.4	< 0.1	< 0.1	< 0 05	< 0.1	0.001	1.2	0.07	3 42	6 8	0.8
R21852 Orig	3.0	0.4	< 0 1	< 0 05	< 0 1	0.004	4.0	0 43	8 26	9.0	26.1
R21852 Dup	2.9	0.4	< 0 1	< 0 05	< 0.1	0.003	6 5	0 40	7 87	9.0	25 8
Method Blank Method Blank	< 0.1	< 0.1	< 0 1	< 0 05	< 0 1	< 0 001	< 0.5	< 0 02	< 0.01	< 0 1	< 0.1

Quality Analysis ... **Actlabs** *Innovative Technologies*

Date Submitted: 10-Nov-10
Invoice No.: A10-8279
Invoice Date: 30-Nov-10
Your Reference: 30261-5 Azimut

Techni-Lab Abitibi Inc.(Actlabs)
184 Rue Principale
Ste-Germaine-Boule Quebec J0Z 1M0
Canada

ATTN: Andre Caouette

CERTIFICATE OF ANALYSIS

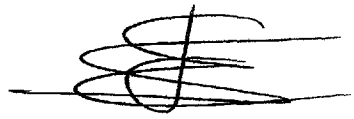
127 Pulp samples were submitted for analysis.

The following analytical packages were requested: Code 4F-LOI LOI
Code UT-1-0.5g Aqua Regia ICP/MS

REPORT **A10-8279**

Notes:
Assays are recommended for values >10,000 for Cu and Au.

CERTIFIED BY :



Emmanuel Eseme , Ph.D.
Quality Control

ISO/IEC 17025
SCC Accredited
LAB 266
LAB 266
Accrédité CCN

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Activation Laboratories Ltd. Report: A10-8279

Analyte Symbol	LOI	Li	Be	B	Na	Mg	Al	K	Bi	Ca	Sc	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Rb
Unit Symbol	%	ppm	ppm	ppm	%	%	%	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit		0.1	0.1	1	0 001	0.01	0.01	0 01	0 02	0.01	0.1	1	0 5	1	0.01	0.1	0.1	0.01	0.1	0.02	0 1	0.1	0.1	0.1
Analysis Method	GRAV	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
R21861	31.76	13 5	0.7	6	0.028	0.45	1.93	0 23	0 06	0 37	2 0	37	34 7	159	1.67	5.9	15 4	106	93.0	4.50	0.9	5.4	2 8	31.9
R21862	24.15	32.2	0.8	3	0 028	0.89	2.72	0.64	0.05	0 37	5.1	61	26 3	320	3 86	12.5	27 3	143	176	6 97	0.7	< 0 1	2 6	78.9
R21863	13.15	22.2	0.5	2	0.020	0.84	2.18	0.46	0 06	0 26	4 2	46	25.4	629	5 27	14.0	18.1	69.1	108	5 60	0.5	1 2	0 9	52 0
R21864	14.70	11.2	0 4	1	0.023	0 51	1 56	0 26	0.05	0.23	1.9	28	22 7	179	1 69	5.3	10.3	44.5	69.7	3.68	0.4	2.6	0 6	26.6
R21865	2.20	7.9	< 0 1	< 1	0 019	0.43	0 69	0 17	0.03	0.30	1.1	17	46 0	153	1.26	4.7	6.0	10.8	32.0	3 37	< 0.1	4.5	< 0.1	13 7
R21866	28.84	16 7	0.5	3	0.050	0.76	2.12	0.38	0 06	0 34	3.4	40	21 3	216	3.35	10.3	19.5	120	156	5.81	0.8	3.3	2.2	50 1
R21867	28.20	28.9	0.8	5	0.040	1.20	2.64	0 53	0.06	0.43	4.7	55	31.0	304	2.91	11.0	33.3	127	169	9.00	1.1	4.9	2.1	74.6
R21868	23.69	36.2	0 8	4	0.037	1 32	3.53	0 74	0.06	0 38	5 0	54	32 5	404	3.04	17.4	44.5	162	176	8.17	0.8	1 1	1.8	91.2
R21869	33.76	33.8	0.6	6	0 047	1 00	2 17	0.61	0 03	0.68	4 6	53	34 5	1200	2 52	15.5	25.0	156	139	7.11	0.9	< 0.1	2 3	73.9
R21870	11 59	27.9	0 6	3	0 033	1.26	2 65	0.67	0 05	0.37	4 9	60	36 1	365	2.37	11.2	21.2	80.0	125	9.32	0.4	3.5	0.9	71.7
R21871	15.08	60.4	1 1	3	0.045	1.94	5.35	1 35	0.06	0.42	9.7	88	37 3	680	6.71	25.7	42.7	186	231	13.2	0.9	< 0.1	1.5	150
R21872	25.07	17 0	0.4	3	0.035	0.70	1.94	0.40	0.03	0.42	2.6	26	14 6	192	1.46	7.3	16.9	77.4	89 1	4.69	0.6	1.4	0.8	42.4
R21873	25 92	11.5	0.3	4	0.027	0.37	1.39	0 19	0.03	0 32	1.7	24	12 7	98	0.74	4.0	10.7	114	73.2	3.19	0.7	4.1	1.4	25 1
R21874	20.66	38.0	0.9	4	0.031	1.03	3 05	0 64	0.07	0 37	5.0	61	31 4	285	2.69	12.3	25.1	174	142	7.02	0.7	< 0.1	1.8	78 9
R21875	25.77	33.9	0.6	7	0.037	1.08	3.37	0.64	0.07	0.44	5.0	53	27.3	322	2.88	14.9	28.6	165	131	7 45	0.6	0 6	1.6	73 4
R21876	17.21	46.0	0.7	4	0.043	1.89	4.37	1 05	0.07	0.43	6.9	68	33 3	511	4 33	20.7	36 6	107	168	11.4	0.5	0 4	0 9	121
R21877	19.35	40.7	0 7	4	0.041	1.73	3.49	0.82	0.06	0.42	5.6	62	31.9	408	2 98	14.8	31.5	97 9	153	10 9	0 5	0 8	0 8	101
R21878	25.17	27.5	0.5	8	0.043	1.15	2.45	0.55	0 05	0.34	3.9	39	23 8	260	1 87	9.6	23.2	79.5	118	7.58	0 4	1.8	0 6	69 2
R21879	23.22	27.8	0.6	3	0.024	0.91	2 82	0.53	0.05	0 32	4.1	48	23 7	264	2 48	11.1	22.0	120	118	6.30	0.6	0 3	1 5	66 1
R21880	17.83	62.9	1.2	6	0.039	2.19	5 05	1.22	0.09	0.41	10 8	115	44.7	573	5.41	22.6	44.1	330	248	16 1	0.9	2 1	2.4	161
R21881	27.59	38.6	0.8	7	0.037	1.41	3 48	0.76	0.06	0 41	5.8	63	28.9	336	2.76	13.1	29.3	231	179	9.42	1.0	1.9	1.9	93 0
R21882	27.89	41.0	0.8	7	0.037	1.23	3.21	0.76	0.05	0 45	6 2	82	26.8	329	2.75	14.5	27.5	207	162	8 86	1.0	< 0.1	2 3	101
R21883	28.41	19.0	0.4	3	0.027	0.71	2.14	0.44	0 05	0.34	4 0	42	18.5	203	3 00	9 3	18.8	128	143	5.43	0.6	0.3	1.7	51.5
R21884	19.71	43.2	0.7	3	0.033	1.69	4.04	0.97	0.07	0 34	5.5	72	31.8	457	3.62	16.1	30 5	143	180	10.7	0 6	2.0	1.3	115
R21885	16.25	49.6	0.9	5	0.048	1.91	4.05	1.01	0 06	0.49	7.7	82	57 3	494	3.56	16.7	32 9	165	214	13.1	0.7	1.8	1.5	124
R21886	20.86	35 5	0 6	8	0.047	1.34	2.74	0 69	0 06	0.48	5.5	61	30.6	340	2.60	12.7	28 6	82.1	156	8.78	0.6	1.3	1.1	89 8
R21887	18 16	33 7	0 7	4	0 043	1.07	2.86	0 64	0 05	0.44	6.0	66	53 3	296	2 39	11 8	26 8	142	158	7 62	0.8	< 0.1	1.9	74.5
R21888	1.57	8.0	< 0.1	2	0.014	0.33	0 61	0.17	0.02	0.32	1.3	19	41 9	132	1.11	4 3	5 9	9 77	26.9	2.71	0.1	< 0.1	< 0.1	12.4
R21889	39.10	4 7	0 3	3	0 021	0.17	2.10	0 09	0.04	0 45	0.9	18	14 1	72	1.06	3 6	11 2	61 0	61.2	1.71	0 8	2.0	1.9	9.5
R21890	31 78	25 5	0 5	7	0 042	0.80	1.81	0.45	0.03	0 60	4.2	40	21 6	230	1.61	9 9	21 1	113	137	6.01	0.7	1.3	1.6	54.2
R21891	29.28	18.8	0 3	3	0.045	0 86	2.12	0.43	0 02	0 46	3.1	31	19.4	228	1.51	8.2	14.8	68 6	90 3	5.96	0.5	3.9	0 8	53.6
R21892	33.96	8 2	0 3	7	0.019	0 31	1.75	0.17	0.03	0.38	1.2	24	17.2	123	1.20	5 1	21 0	87 4	57.4	2.31	0.7	0.5	1.9	16 6
R21893	5.96	17.0	0.3	3	0.037	0 84	1.22	0.38	0.03	0.61	4.2	48	44.0	252	1.66	7.4	13.1	21.8	73.2	5.81	0.3	2.8	0.4	38 7
R21894	12.01	16.0	0 4	2	0.026	0.66	1.68	0.35	0.04	0.43	3.3	42	34.4	226	2 11	7.3	13.7	61 3	77.1	4 43	0.6	< 0.1	1 0	33.5
R21895	8 80	37.1	0.6	3	0 030	1.60	3.34	0 96	0.05	0.45	6.6	70	35.8	680	4 30	18.4	27.0	126	156	11 1	0.6	1 2	0.7	93 6
R21896	8 94	20 7	0.3	1	0.030	0.99	1.74	0.46	0.03	0.59	4.0	58	28.8	288	1.81	9 6	14.2	53 0	95.7	7.20	0.4	4.1	0.9	48.4
R21897	7.99	20.3	0.3	3	0 031	0.81	1 44	0.46	0 03	0 53	3.8	49	52.4	227	1.75	8.7	15.5	50 8	83 0	6.02	0.3	2.0	0.4	48 3
R21898	28.93	22.1	0.3	5	0 038	0.65	1 57	0.44	0 03	0 42	3.1	33	26 7	183	1.34	7 9	18.9	92 4	103	4.94	0 4	< 0.1	1.3	52.0
R21899	26.26	21.2	0 4	4	0 027	0.64	2 02	0.39	0 05	0.33	2 6	37	38 7	208	1 71	8 9	18 9	124	124	4.86	0.7	< 0 1	2 0	46.0
R21900	21.28	41 1	0 6	6	0 041	1.49	3.65	0 95	0 06	0 37	6.5	69	26.8	403	3 44	15.9	28.2	181	153	9 71	0.8	< 0.1	1.5	106
R21901	13 80	47 3	0 9	4	0 045	1.63	4.03	1.01	0.06	0.40	8.7	91	37.4	485	5 13	21.5	35.1	163	185	11 8	0.6	< 0.1	1.6	122
R21902	27 71	36 5	0 9	10	0 044	1.47	3 34	0.66	0.07	0.43	5 9	62	32.1	332	2 64	12.9	26 7	123	136	10.7	0 9	3 2	1 6	88.7
R21903	23 48	31.4	0 7	5	0 032	1.18	3.37	0.65	0 06	0.34	5.2	57	25 4	291	3.03	13.0	26.2	116	129	8 64	0 6	1.2	1 3	78 8
R21904	24 49	21 1	0 6	4	0 027	0.70	2.54	0 33	0 04	0.30	3 2	46	21 9	175	1.54	7.5	17.8	138	97 9	5.62	0.8	3 5	1.8	44.3
R21905	43 78	19 6	0.6	6	0.037	0.55	1.88	0.30	0.04	0.49	2.3	35	17.7	173	1 19	8.3	16.0	131	118	4.47	1.0	2 1	2.6	38 6
R21906	12 40	61.5	0.9	4	0 051	2 20	4.44	1.26	0 07	0 57	8.8	100	36 9	737	5 58	28.4	38 4	144	186	13 4	0.6	< 0.1	1.2	151
R21907	21.55	15.8	0.3	2	0 030	0.80	1.53	0.33	0.02	0.33	2 3	23	12 0	159	1.10	5.9	13.4	55.0	93 6	3 93	0.6	2 6	0.6	40 3
R21908	43.48	6 6	0 4	3	0.022	0.25	2.13	0.11	0.03	0 44	1.4	28	20.8	79	0.90	4.7	19.7	154	78 9	2.74	0 9	4.3	2.5	11 5
R21909	25.27	12.7	0.4	5	0.032	0.45	1 40	0 24	0.03	0.36	1.8	34	18.9	159	1.32	5.5	15.1	54 9	99 9	3.72	0 4	2.5	1.2	26.8
R21910	47.94	18.0	0 4	18	0 026	0.53	1.87	0 32	0 04	0.45	2.0	32	15 1	153	1.26	7.0	18.9	164	89 4	3.86	1.1	1.0	2.4	40.0
R21911	28.87	13.2	0 6	6	0.022	0.36	2.38	0 21	0 04	0 28	2.0	31	15 8	138	1.35	5.4	13 4	161	70 3	3.04	1.0	2.2	2.9	24.8
R21912	23.03	20 4	0 6	3	0.016	0.67	3.71	0 34	0 10	0 22	3.9	59	23 1	374	6 00	14 3	15 6	229	95 7	6 30	1.0	1.4	3 6	42 5

Analyte Symbol	LOI	Li	Be	B	Na	Mg	Al	K	Bi	Ca	Sc	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Rb
Unit Symbol	%	ppm	ppm	ppm	%	%	%	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit		0 1	0.1	1	0.001	0.01	0 01	0.01	0 02	0.01	0.1	1	0 5	1	0.01	0.1	0.1	0 01	0 1	0.02	0.1	0.1	0 1	0.1
Analysis Method	GRAV	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
R21913	17 56	25 3	0 5	4	0.053	0 90	1.99	0 53	0.04	0 41	4.3	47	44 5	232	2.01	9 5	20 8	74 7	122	6.94	0 5	0 6	1 2	72.6
R21914	14.70	42.6	0 8	6	0 047	1.78	4.20	0 99	0.07	0.40	8.0	91	38 2	520	4 50	20.5	35 5	109	179	12.8	0.5	< 0 1	0 8	118
R21915	15 17	42.1	0 8	4	0.049	1.68	4 00	0 87	0.07	0.39	8.2	99	37.3	587	6.87	21.4	30.3	153	180	13.6	0 7	4 0	1.8	112
R21916	17.54	34.7	0.7	4	0.029	1.24	2 96	0 77	0.06	0.28	6.7	82	26 5	407	5 26	15.9	22.6	200	144	9.60	0 8	1 7	3 1	97 9
R21917	28 82	34.6	0.7	5	0.035	1.07	2.87	0 69	0.07	0.38	5.7	62	24 0	341	2.96	15 2	27 6	186	146	7 45	1.1	< 0 1	2.8	84.0
R21918	29.31	19.0	0.3	6	0.041	0.71	1.78	0 42	0.05	0 44	2 8	30	20.8	207	1.41	9.0	16 9	91.0	101	4 91	0 7	0.9	1.4	47.1
R21919	20.49	19 2	0.6	5	0 043	0.90	2 82	0 46	0 08	0 34	4.6	63	50.1	336	4.19	10 3	17 3	116	129	7.27	0 9	3.8	1.8	54.6
R21920	16.67	37.4	0 6	5	0.046	1.54	3 44	0 82	0.06	0 35	6 2	75	36.4	396	3.57	15.2	31.2	116	153	11.2	0.6	2.7	1.0	109
R21921	22 10	25 0	0 6	5	0.039	0.95	2.80	0.56	0 08	0 28	5 0	70	45 9	556	5 97	16 3	18 8	132	141	8.08	1.0	3 2	2 3	71.5
R21922	27.60	15 0	0.3	6	0.023	0.50	1 49	0.29	0.04	0.44	2 1	36	23 3	157	1 38	7.0	15.7	86 0	91 1	4.32	0 9	0 9	1 8	33 5
R21923	26 53	22.4	0 5	4	0 033	0.76	2 44	0 49	0.04	0.46	5 4	55	26.7	234	4 21	11.3	24 6	119	216	6 24	1.0	0.4	2.0	60 6
R21924	15.86	37.6	0.8	4	0 034	1 42	3 64	0 80	0.06	0.31	7 6	88	37 1	530	5.00	16.7	28 4	153	164	11.5	1.0	3.0	2 2	102
R21925	19.69	32 4	0.6	3	0 026	0.83	2 13	0 64	0.05	0 41	5.1	49	36 7	277	2.14	10 8	25 8	83 3	130	7.49	0.6	0.3	1.7	80.4
R21926	15.01	20.1	0 5	4	0 032	0 79	2.06	0 42	0 08	0 29	4.4	57	40.7	696	3 75	16 5	16 1	80 9	96.2	7.20	0.8	3 2	1.6	55.0
R21927	12.74	59.2	0.9	4	0 055	2.11	4.07	1.32	0.10	0.46	9.8	127	53 8	2110	6 85	31.1	38.5	158	205	16.9	0.6	1.8	1.3	179
R21928	24.73	27.1	0.7	4	0.037	0.89	2.71	0 65	0 07	0 29	6.6	67	23.5	330	8.88	16 6	23.5	111	161	7.85	0.8	1 4	2.4	81.6
R21929	20.05	36.8	0.6	3	0 036	1.27	3.20	0 89	0.05	0 33	6.2	75	28 1	432	3.72	16.7	26 6	123	141	10.0	0.6	1.3	1.4	108
R21930	16 38	30 6	0 6	3	0.044	1.34	3 09	0.76	0 08	0 29	6.4	86	31.4	1440	7 85	25.7	25.0	126	162	10.8	0.8	1.9	1 9	96 2
R21931	21 07	34.4	0.8	5	0.035	1.07	2.79	0.64	0 06	0.43	6.0	85	48.4	341	3 73	13.8	26.8	128	151	9 99	0.9	3 1	2 5	85 2
R21932	14 30	44.3	0 8	3	0.034	1.69	4 53	1.10	0 06	0 36	8 5	90	50.0	608	4 34	20.8	38 4	163	188	13 6	0 8	2 0	1.4	125
R21933	20 56	58.7	1 1	5	0 041	1.85	4 70	1 32	0.06	0.47	10.9	116	53.0	529	4 67	23.2	49 9	217	245	15 8	0.9	2.0	2.2	162
R21934	12.84	59.2	1 0	4	0.029	1.93	4 95	1 40	0.06	0 38	12 1	129	52 3	713	6.78	28 5	47 3	182	222	16 6	0 8	< 0 1	1 2	166
R21935	31.58	34.7	0 7	7	0 045	1 26	3.18	0 70	0.04	0 51	5 7	68	35 9	350	2.74	13 5	30 9	143	178	10.2	1.0	3.4	2.1	88 7
R21936	19.64	29.6	0 6	2	0.029	1 11	3 64	0 71	0.06	0.23	5 8	70	27 3	378	5.76	14 8	25 9	151	137	9 37	0 8	1 9	2 1	87 1
R21937	16 09	51 5	0 9	5	0.046	1 88	4 34	1 19	0 07	0 41	8.7	109	46 9	679	4.69	24 5	35 2	178	206	14.7	0 7	< 0 1	1 7	142
R21938	8.29	37 0	0 7	4	0.039	1 53	2.98	0 82	0 05	0 39	7.3	95	41 9	785	6 57	22 1	24.7	111	140	12.0	0.8	4.1	0 9	102
R21939	1.91	8 4	0 2	< 1	0 019	0 33	0 84	0 17	0 03	0 38	1.5	33	58 0	143	1 48	5 2	7.1	11.1	31.1	3 35	0.1	2.1	< 0.1	13.9
R21940	16 44	44.8	0.8	4	0.042	1.47	3 86	0 97	0.07	0.43	8 0	97	34 4	551	4.55	23.6	30.8	162	159	11 4	0.7	< 0 1	2 3	115
R21941	12 22	29 4	0 6	3	0 026	1.12	3 09	0 62	0 07	0 37	5 9	76	51 2	1470	5.33	23.7	24 3	113	120	9.10	0 6	1.2	0 7	71 8
R21942	14.54	46.3	0.8	5	0.041	1.88	4.78	1 01	0 08	0 36	9.0	105	44 4	806	6 91	26.1	36.9	165	193	15.1	0.7	2 8	1.7	124
R21943	25.06	24 7	0.8	5	0 038	0 97	3 43	0 50	0 06	0 31	4.7	75	35 9	382	4.13	14.4	24.3	137	141	8 74	0 8	3.7	2.0	61 3
R21944	27.94	27.3	0.8	7	0 032	0 92	2.97	0 48	0 06	0 39	4.8	74	32.0	305	3.00	12.6	24.4	165	146	7.81	1.0	4 8	2.5	57.3
R21945	14.71	71.1	1.1	6	0.062	2 32	4 37	1 51	0.06	0.52	9.5	126	50 8	706	4.78	26.8	42.2	184	208	17.4	0 7	1 4	1.6	191
R21946	26.26	17 9	0 5	6	0.029	0 71	1 92	0 35	0.03	0.37	2 6	45	20.5	205	1.66	7.4	15.5	56 3	97 7	5 77	0.6	4 3	1.1	39.8
R21947	19 55	14.4	0.5	4	0.029	0.48	1.37	0 20	0.06	0.47	3 0	40	54.2	174	1 69	7.3	17 4	72.4	80 3	3 78	0.5	1 1	1.3	19.0
R21948	17 85	42.2	0.9	4	0.030	1.24	3.48	0 75	0.05	0 25	6.7	80	51 3	2900	12.1	59.3	34 6	156	162	11 5	0 9	< 0 1	1 8	104
R21949	21.20	26 2	0.6	4	0.036	0 76	2.45	0 56	0 03	0 38	3 9	41	33 0	262	2 22	11.3	26 1	121	123	6 14	0 6	0 8	1 5	69.8
R21950	14.67	31 8	0 6	2	0 034	1.16	3.34	0.68	0 05	0.27	5.9	71	48 0	2490	9.46	42 9	28 5	144	146	10.1	0 8	1 0	1 7	91 6
R21951	12.62	16.5	0.4	2	0.031	0 51	1 61	0 31	0.03	0 42	3.5	37	86 8	196	1 90	8 2	19 1	67 1	86.4	4.42	0.5	2.5	0 9	38 4
R21952	18.77	27.1	0 8	2	0 032	0 94	3.76	0.60	0 06	0 26	5.8	65	37 5	504	7 61	22.7	25 4	143	170	8.06	0.9	1 3	1 7	77 1
R21953	19 52	34.0	0 8	2	0.039	1.30	3 72	0.79	0.05	0.32	6.0	74	44 2	513	5 13	21.3	32 8	145	193	10 9	0.8	1.6	1.6	104
R21954	36 96	17 5	0.4	5	0.059	0 68	1 88	0 43	0.04	0.43	3.0	45	27 5	213	2.39	8.6	21 2	113	103	6 14	0.6	5 4	1.3	53 2
R21955	34.38	23.7	0.6	6	0.046	0.83	2 27	0.49	0 03	0.31	4 3	47	31 3	254	3.11	10.8	23.0	123	132	6 94	0.8	5 7	1.8	65 2
R21956	12 99	9 2	0 3	2	0 026	0.33	0 94	0.12	0 04	0 40	2 2	33	36 6	129	1.08	5.1	12.2	40 2	87 6	3.18	0 4	3 5	0.9	12 6
R21957	18 50	10.7	0 5	5	0.025	0 44	1.37	0 17	0 08	0 32	2.5	38	43 0	173	1 85	8.2	14.0	71 9	76 1	3 89	0.6	3 1	1.5	16.1
R21958	10.19	34 3	0.7	3	0 036	1.24	3 08	0.78	0 10	0 64	7.4	81	46 9	428	3 30	20.4	36 5	115	166	9 55	0.4	< 0 1	1 4	72.3
R21959	16 34	17 1	0 6	4	0 032	0.61	1.91	0 26	0 05	0.41	3.5	55	49 3	784	2.75	22.6	24.0	93 8	103	5.39	0.6	3 7	1.3	31 3
R21960	27.79	10 5	0 6	4	0.020	0.27	2.38	0 16	0 05	0.27	2.1	31	19 8	984	7.19	64 8	20.2	157	92 7	2 96	0 8	< 0.1	2.5	18.3
R21961	17.36	34 7	0.7	2	0.045	1 38	3.39	0 94	0 07	0.42	5 8	76	41.0	521	4.33	22 6	35 1	134	238	10 6	0.7	2 4	1 6	103
R21962	22 00	15 9	0.4	5	0.040	0 63	1.92	0 36	0.04	0.39	4.0	56	34.7	271	7 89	10 5	17.4	75.0	111	5.65	0.7	5.7	1.8	42 6
R21963	24 21	12 5	0.7	3	0 028	0 42	1.90	0 23	0 02	0.38	2.9	46	25 8	163	1 84	7.8	16.3	141	112	4 27	0 9	4.4	2.2	27.6
R21964	32.31	16 1	0.4	6	0.026	0.48	1.58	0 28	0 03	0 45	2 4	32	18 6	168	1 41	7.9	18.7	82.6	92.9	4.10	0.7	1 3	1.3	34 9

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Analyte Symbol	LOI	Li	Be	B	Na	Mg	Al	K	Bi	Ca	Sc	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Rb
Unit Symbol	%	ppm	ppm	ppm	%	%	%	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit		0.1	0 1	1	0 001	0 01	0 01	0 01	0 02	0 01	0 1	1	0.5	1	0.01	0 1	0.1	0.01	0 1	0.02	0.1	0.1	0.1	0 1
Analysis Method	GRAV	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
R21965	12 58	19.1	0.5	1	0 026	0 70	2 07	0 40	0.04	0.41	4 6	44	35 6	253	2.71	10.9	18.6	111	128	5.41	0.7	2.5	1.3	42.7
R21966	25.24	15.6	0.5	2	0 030	0.58	1 68	0 31	0.04	0.46	3 4	36	24.7	202	1.73	9.6	15.9	104	136	4 35	0.8	2.6	1 2	31.1
R21967	27.62	23.3	0 8	2	0.028	0.82	2 96	0 47	0 05	0.30	4.7	56	26 6	308	3.10	12.7	19 8	130	144	7 07	0 9	7.4	2 1	54 7
R21968	17.88	16 8	0 7	4	0 027	0 53	2 13	0 29	0.05	0.38	3.7	52	34 5	262	3.52	10.7	15 5	92 5	112	4 84	0 8	1.2	2 1	33.5
R21969	1 73	7 4	0 2	< 1	0 021	0 31	0.60	0 14	0.03	0.31	1.3	30	51.3	129	1 16	4.3	5 5	9.77	27.1	3 06	0.1	4 5	< 0.1	11.6
R21970	49.15	5.3	0 4	8	0 021	0.17	1.39	0.07	0.02	0 37	0.8	16	12.1	63	0 72	2.9	11.5	73.4	42 5	2.14	0 6	7.2	1 4	7.8
R21971	19.74	38.5	0 9	4	0.033	1.00	3.13	0.62	0 04	0.32	5 1	66	28 5	317	2.69	13.6	23.8	131	140	9.20	0.7	1.9	1.9	86 2
R21972	13.94	45.3	1 3	4	0 054	1 39	4 73	0.89	0.11	0.35	6.6	92	46 4	592	6.35	22.1	33.6	206	192	11 7	0 9	< 0.1	1 6	108
R21973	25 78	5.0	0 9	3	0 018	0 13	2 53	0.07	0 03	0 21	2.0	34	19.8	8180	14 0	112	7 4	79.0	73 1	1.75	0 9	< 0.1	2 3	7 5
R21974	13.23	37.5	0 8	3	0 050	1.38	3.34	0 81	0.08	0 50	6.9	80	47 1	485	3 93	22.1	32 0	241	222	11 2	0.8	1.2	1 4	89 6
R21975	19.50	10.8	0 7	3	0.023	0 32	2.10	0 17	0 04	0 32	1.9	41	31.5	136	1 76	6.1	10.8	87.5	71.3	3 47	0.7	5.5	1.9	19 4
R21976	5 01	24 3	0.6	2	0.026	0.84	1.93	0 47	0 07	0 51	4.9	57	37.3	448	2 83	14.1	18 1	74.3	106	7.02	0 5	2.9	0 7	51 3
R21977	22 57	13.2	0.7	3	0.027	0.32	2 33	0.20	0 04	0.28	2 6	39	23 2	144	2 49	7.1	11 9	140	85.7	3.48	1.0	3.2	2.4	24 7
R21978	16.97	9.3	0 5	2	0.023	0 24	1 70	0 15	0 03	0.34	1.9	28	47 1	155	1.89	6.3	9 4	113	47 2	2.49	0.7	2.2	1.8	14.9
R21979	13.13	21 2	0.6	3	0.031	0.60	1 67	0 30	0 03	0.45	3 6	48	29.8	195	1.80	7.4	14.1	77.4	107	5 39	0.7	4.2	1 2	34.8
R21980	18.85	15.4	0.5	3	0.035	0 61	1 65	0.29	0 04	0 54	3.3	41	39 9	225	1 82	9.1	15.8	83.0	128	5 07	0.8	3.1	1.4	27.6
R21981	9.91	24.4	0 7	2	0 029	0 85	2.33	0 51	0 05	0 49	5 3	59	31.9	296	2.79	11.4	18 8	93 4	122	6 74	0.6	1.4	1.0	51.7
R21982	31.08	18.2	0.8	5	0.043	0 59	2.54	0 35	0.06	0.40	4 5	55	52 9	200	2.42	11.3	25 8	274	192	5 94	1 3	3 2	2 9	41 2
R21983	16 49	12.7	0.4	4	0 028	0 49	1 82	0.25	0.04	0.37	2 9	38	35 6	191	2.14	7.5	13 1	80.1	83 3	4 09	0 7	1 3	1.5	24.9
R21984	6.71	35.3	0.6	3	0 043	1 34	2.60	0.82	0.04	0.70	7.3	79	43 9	459	3 30	18.9	26 5	87 1	149	10.4	0 4	< 0.1	0.9	79.3
R21985	17.90	16.1	0 6	3	0 028	0 58	2.24	0.31	0 05	0 38	3 6	50	33 6	238	2 67	10.3	16 0	117	115	5.12	0.9	1.7	2 1	33 9
R21986	16.14	16.1	0 5	2	0 029	0.50	2.00	0.30	0.04	0 36	3.4	35	36 0	199	1 73	10.3	18 5	116	128	4.31	0.9	2.8	1 5	31 8
R21987	10.43	11.3	0 3	2	0 029	0.42	1.34	0 21	0.04	0 42	2 6	37	33 2	159	1 39	8.0	11.9	73 2	82 0	3 96	0.5	2 6	1 0	21 9

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Analyte Symbol	Sr	Y	Zr	Nb	Mo	Ag	Cd	In	Sn	Sb	Te	Cs	Ba	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er
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	0.5	0.01	0.1	0.1	0.01	0.002	0.01	0.02	0.05	0.02	0.02	0.02	0.5	0.5	0.01	0.1	0.02	0.1	0.1	0.1	0.1	0.001	0.1	0.1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
R21861	32.1	68.4	2.0	2.1	3.37	0.273	0.42	< 0.02	0.42	0.07	< 0.02	1.01	97.5	250	399	67.4	240	35.6	5.4	22.1	2.3	11.6	2.3	6.2
R21862	31.6	54.1	3.6	4.2	3.16	0.277	0.38	< 0.02	0.70	< 0.02	< 0.02	1.85	169	254	456	62.0	207	29.3	4.4	19.7	2.2	10.5	2.0	5.3
R21863	27.6	29.4	2.3	1.9	2.77	0.089	0.07	< 0.02	0.58	< 0.02	< 0.02	1.44	120	145	309	38.2	132	18.2	2.7	12.7	1.2	5.96	1.1	3.0
R21864	19.4	20.9	1.2	1.0	2.07	0.048	0.06	< 0.02	0.35	< 0.02	< 0.02	0.68	77.8	107	213	30.6	106	14.6	2.1	9.5	0.9	4.24	0.8	2.1
R21865	27.9	4.13	1.5	3.2	3.40	< 0.002	0.03	< 0.02	0.51	< 0.02	< 0.02	0.52	31.3	20.4	43.2	4.8	16.9	2.8	0.5	1.9	0.2	1.05	0.2	0.5
R21866	24.6	53.2	2.9	2.0	3.90	0.623	0.42	< 0.02	0.44	< 0.02	< 0.02	1.27	124	247	318	55.6	229	31.2	4.6	18.9	1.8	8.69	1.7	4.6
R21867	35.4	55.8	4.2	3.0	2.29	0.429	0.34	< 0.02	0.64	< 0.02	< 0.02	1.87	142	341	494	67.7	301	38.6	5.6	22.2	2.1	9.49	1.8	4.7
R21868	30.0	47.4	3.3	2.5	2.62	0.476	0.64	< 0.02	0.68	< 0.02	< 0.02	1.99	241	283	472	69.0	237	32.7	4.9	22.2	2.1	9.63	1.7	4.5
R21869	45.4	58.4	3.2	2.7	2.40	0.426	0.70	< 0.02	0.51	< 0.02	< 0.02	1.47	105	330	458	76.3	254	33.5	5.3	21.2	2.3	10.9	2.0	5.0
R21870	32.7	19.9	2.6	1.9	1.38	0.166	0.14	< 0.02	0.70	< 0.02	< 0.02	1.36	219	144	257	33.5	110	13.4	1.8	8.1	0.8	3.60	0.7	1.8
R21871	49.0	40.1	5.4	3.3	1.63	0.478	0.13	0.03	0.93	< 0.02	< 0.02	2.61	390	317	681	79.0	254	31.5	4.2	20.0	1.9	8.51	1.5	4.0
R21872	31.1	21.5	2.4	1.7	0.58	0.278	0.32	< 0.02	0.33	< 0.02	< 0.02	0.81	143	210	278	49.6	166	20.1	2.7	12.4	1.1	4.64	0.8	2.1
R21873	26.8	30.6	1.1	0.9	0.81	0.259	0.56	< 0.02	0.21	< 0.02	< 0.02	0.52	86.0	221	311	55.4	188	23.3	3.4	13.6	1.2	5.61	1.0	2.7
R21874	28.9	43.4	3.2	2.3	2.52	0.320	0.48	< 0.02	0.64	< 0.02	< 0.02	1.62	204	256	487	63.3	215	28.1	4.4	18.5	1.9	8.90	1.6	4.2
R21875	34.4	30.1	4.6	2.9	1.51	0.427	0.49	< 0.02	0.58	< 0.02	< 0.02	1.46	206	236	410	55.1	177	22.1	3.2	14.5	1.4	6.54	1.2	3.0
R21876	38.0	19.6	6.8	3.2	0.79	0.339	0.17	0.02	0.87	< 0.02	< 0.02	2.20	338	182	276	41.4	132	16.4	2.2	10.5	1.0	4.30	0.8	1.9
R21877	33.3	19.5	6.1	3.0	0.96	0.202	0.25	0.02	0.74	< 0.02	< 0.02	2.00	260	174	248	42.6	143	17.7	2.4	10.6	0.9	4.15	0.7	1.9
R21878	29.3	18.2	5.5	2.5	0.74	0.226	0.32	< 0.02	0.63	< 0.02	< 0.02	1.30	194	131	190	32.8	113	14.3	2.1	8.6	0.8	3.67	0.7	1.8
R21879	26.3	35.8	3.1	2.0	2.48	0.337	0.37	< 0.02	0.47	< 0.02	< 0.02	1.31	162	221	518	53.0	172	21.8	3.2	15.6	1.5	7.11	1.3	3.5
R21880	47.6	42.8	7.9	3.5	3.23	0.584	0.38	0.03	1.02	< 0.02	< 0.02	2.77	376	350	516	78.1	241	28.0	3.8	15.6	1.5	7.30	1.4	3.7
R21881	35.2	50.5	7.3	3.0	1.82	0.451	0.73	< 0.02	0.64	< 0.02	< 0.02	1.92	183	337	282	81.0	277	36.2	5.3	22.1	2.1	9.49	1.7	4.5
R21882	41.2	54.0	5.5	2.9	1.45	0.591	0.63	< 0.02	0.61	< 0.02	< 0.02	1.64	142	414	584	95.7	300	36.6	5.4	22.2	2.2	10.2	1.9	4.9
R21883	23.5	33.3	4.1	1.9	3.42	0.521	0.34	< 0.02	0.38	< 0.02	< 0.02	1.02	88.5	247	320	57.5	185	22.1	3.2	14.5	1.4	6.16	1.2	3.0
R21884	28.0	29.5	7.2	3.0	1.83	0.255	0.34	< 0.02	0.78	< 0.02	< 0.02	1.99	298	214	365	51.0	169	22.1	3.1	14.0	1.3	6.02	1.1	2.8
R21885	42.4	30.3	7.8	3.3	3.40	0.270	0.45	0.02	0.90	< 0.02	< 0.02	2.23	279	218	285	56.7	190	23.8	3.2	12.8	1.2	5.83	1.1	2.9
R21886	34.3	23.4	6.2	2.9	1.03	0.252	0.36	< 0.02	0.66	< 0.02	< 0.02	1.44	195	205	316	48.2	156	17.8	2.4	9.8	0.9	4.33	0.8	2.1
R21887	34.6	40.7	4.2	2.5	3.55	0.295	0.68	< 0.02	0.61	< 0.02	< 0.02	1.26	188	311	463	73.8	236	28.9	4.2	17.3	1.7	7.90	1.4	3.7
R21888	25.4	3.30	1.3	2.6	3.51	< 0.002	0.02	< 0.02	0.46	< 0.02	< 0.02	0.45	27.7	17.6	37.7	3.9	13.0	2.1	0.4	1.5	0.2	0.907	0.2	0.4
R21889	34.5	27.0	0.8	0.8	2.15	0.365	0.49	< 0.02	0.18	< 0.02	< 0.02	0.29	83.5	346	582	67.6	212	23.2	3.3	15.7	1.3	5.59	1.0	2.4
R21890	43.3	32.1	5.5	2.4	1.43	0.329	0.52	< 0.02	0.46	< 0.02	< 0.02	0.97	98.1	284	361	63.8	207	24.3	3.5	13.4	1.3	6.04	1.1	2.9
R21891	32.9	18.9	3.9	1.8	0.67	0.239	0.23	< 0.02	1.02	< 0.02	< 0.02	0.84	160	185	269	40.9	134	15.1	2.1	8.8	0.8	3.69	0.6	1.7
R21892	22.6	34.7	0.8	1.3	1.48	0.394	0.66	< 0.02	0.21	< 0.02	< 0.02	0.33	85.1	257	426	57.5	191	24.9	3.9	17.3	1.7	7.68	1.3	3.4
R21893	37.0	13.8	2.2	2.8	2.45	0.071	0.13	< 0.02	0.65	< 0.02	< 0.02	0.51	84.2	86.4	131	19.5	63.1	8.1	1.3	5.0	0.5	2.52	0.5	1.2
R21894	27.6	28.2	1.8	2.5	3.03	0.135	0.16	< 0.02	0.55	< 0.02	< 0.02	0.67	90.8	193	310	46.6	152	19.3	2.9	12.7	1.2	5.53	1.0	2.5
R21895	38.2	18.7	5.9	3.3	2.49	0.185	0.22	0.02	0.82	< 0.02	< 0.02	1.64	244	177	229	41.1	140	17.0	2.3	9.8	0.9	3.94	0.7	1.7
R21896	31.9	17.8	2.2	3.0	1.59	0.104	0.23	< 0.02	0.66	< 0.02	< 0.02	0.81	121	129	193	30.3	99.8	12.3	1.9	7.5	0.7	3.30	0.6	1.6
R21897	36.3	14.8	2.5	3.2	3.19	0.253	0.12	< 0.02	0.59	< 0.02	< 0.02	0.69	130	97.8	163	24.5	79.3	10.0	1.5	5.8	0.6	2.93	0.5	1.4
R21898	31.9	17.0	3.2	1.8	1.43	0.282	0.50	< 0.02	3.12	< 0.02	< 0.02	0.93	150	146	189	32.9	103	11.9	1.7	7.2	0.7	3.36	0.6	1.6
R21899	25.0	33.4	2.0	1.3	3.31	0.547	0.96	< 0.02	0.40	< 0.02	< 0.02	0.93	145	270	329	60.0	193	23.3	3.4	14.7	1.4	6.49	1.2	3.0
R21900	32.4	36.9	6.0	3.1	1.73	0.441	0.29	< 0.02	0.67	< 0.02	< 0.02	1.82	264	285	421	67.2	224	27.6	4.0	17.4	1.7	7.55	1.4	3.5
R21901	39.7	35.8	5.3	3.6	2.47	0.492	0.26	0.02	0.86	< 0.02	< 0.02	2.10	322	237	430	56.0	177	22.5	3.3	13.9	1.5	7.15	1.3	3.5
R21902	36.7	46.7	6.8	3.1	1.22	0.437	0.41	0.02	0.73	< 0.02	< 0.02	1.95	192	281	400	69.5	231	30.4	4.4	18.2	1.8	8.60	1.6	4.2
R21903	26.8	28.9	5.5	2.7	2.44	0.508	0.36	< 0.02	0.58	< 0.02	< 0.02	1.58	169	222	285	60.7	165	20.6	3.1	13.8	1.3	5.99	1.1	2.7
R21904	21.8	47.5	2.9	1.6	1.46	0.338	0.64	< 0.02	0.34	< 0.02	< 0.02	0.88	143	229	347	64.8	226	31.1	4.7	18.3	1.9	9.29	1.7	4.4
R21905	35.2	50.6	2.5	1.4	1.30	0.516	0.85	< 0.02	0.30	< 0.02	< 0.02	0.88	87.5	401	551	89.5	283	34.4	5.1	20.1	2.0	9.45	1.7	4.3
R21906	44.4	33.3	4.9	3.1	1.33	0.272	0.11	0.03	1.01	< 0.02	< 0.02	2.77	335	227	590	52.1	170	21.7	3.4	15.6	1.5	7.21	1.3	3.2
R21907	25.4	27.6	1.7	1.3	0.54	0.195	0.31	< 0.02	0.24	< 0.02	< 0.02	0.84	119	187	268	45.9	158	20.9	3.3	13.9	1.3	5.89	1.0	2.6
R21908	27.5	37.5	0.8	1.0	1.95	0.470	0.47	< 0.02	0.19	< 0.02	< 0.02	0.40	68.4	289	533	75.5	261	35.4	4.9	20.0	1.9	8.34	1.4	3.3
R21909	22.7	21.1	1.4	1.1	1.42	0.232	0.54	< 0.02	0.26	< 0.02	< 0.02	0.61	81.2	142	207	31.7	102	12.2	1.7	7.1	0.7	3.69	0.7	1.8
R21910	26.8	64.9	2.2	1.3	1.51	0.628	0.47	< 0.02	0.26	< 0.02	< 0.02	1.09	104	354	572	93.8	320	43.1	6.6	27.6	2.9	13.6	2.4	5.8
R21911	19.1	77.4	1.2	1.2	2.40	0.331	0.46	< 0.02	0.24	< 0.02	< 0.02	0.81	77.2	355	669	91.0	307	43.6	7.4	31.1	3.4	15.9	2.8	7.1
R21912	17.5	60.8	2.3	1.9	3.04	0.429	0.12	< 0.02	0.46	< 0.02	< 0.02	1.48	94.0	262	730	80.4	285	41.6	6.9	29.3	3.2	15.2	2.7	6.8

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Analyte Symbol	Sr	Y	Zr	Nb	Mo	Ag	Cd	In	Sn	Sb	Te	Cs	Ba	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er
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	0 5	0.01	0 1	0 1	0.01	0.002	0 01	0 02	0.05	0 02	0.02	0.02	0 5	0.5	0 01	0 1	0.02	0.1	0 1	0 1	0 1	0.001	0.1	0 1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
R21913	31 0	24.5	4.0	2.8	4.06	0 261	0.34	< 0 02	0.53	< 0.02	< 0 02	1.20	156	160	207	37.4	122	14 6	2 1	8 6	0 9	4.22	0 8	2 1
R21914	35.3	20.6	5.9	3.0	1.82	0.321	0.22	0 02	0 90	< 0.02	< 0 02	2 22	312	174	244	38 4	121	14.5	2 1	9.3	0.9	4.26	0.8	2.0
R21915	37.4	34.7	5.6	3.3	2.44	0.441	0 31	0 02	0.87	< 0.02	< 0.02	1 94	293	224	447	54.3	177	21.9	3.2	13 1	1.3	6.32	1.2	3 3
R21916	30 6	47.7	4 6	2.5	3.06	0.333	0 17	< 0.02	0.59	< 0.02	< 0.02	1 59	200	295	513	70 2	224	27.9	4 2	16.6	1.7	8.41	1 6	4 2
R21917	32.5	56.4	5 5	2.7	2 45	0.544	0.69	< 0.02	0.54	< 0.02	< 0.02	1 53	155	434	666	104	333	40 4	6 3	26.0	2.5	11.1	2.0	5.0
R21918	27.8	27.4	2 7	1.6	1 56	0.407	0.54	< 0.02	0 38	< 0.02	< 0.02	0 91	119	240	305	54.0	176	21.9	3 2	14.5	1.3	5.71	1.0	2.5
R21919	25.9	40.5	3 8	2 2	4 81	0 221	0 17	< 0 02	0.58	< 0 02	< 0 02	1.15	130	265	460	71.5	242	30.3	4.5	18.5	1.7	8 13	1 5	3.9
R21920	27.3	24.8	6.1	3 1	1 52	0.399	0 22	< 0 02	0.72	< 0.02	< 0.02	1.96	254	196	336	50.3	167	20 4	2 7	11.0	1.1	5 07	0 9	2.4
R21921	25.1	48.5	4.1	2 3	4 50	0.223	0.16	< 0.02	0 64	0.04	< 0 02	1.35	127	354	724	89.0	280	33 8	4 6	19 7	1.9	9 10	1.6	4.3
R21922	24.6	38.8	1 6	1 6	2 89	0.494	0.35	< 0 02	0 32	< 0.02	< 0.02	0 69	94 2	348	427	79 0	243	28 2	3 8	15.3	1.6	7.17	1 3	3 3
R21923	28.6	43.2	4.6	2 4	4.97	0.567	0.56	< 0 02	0 42	< 0 02	< 0 02	1 14	175	401	533	94 0	295	34.2	4 5	19 3	1.9	8 66	1 5	3.9
R21924	33.3	46 2	4 4	2 9	2 97	0.322	0 13	0.02	0 74	< 0.02	< 0 02	2 01	242	337	636	82.9	264	33.5	4.7	19 3	1.8	8.56	1 6	4.3
R21925	30.5	30 4	4.8	3.1	1.48	0.229	0 38	< 0.02	0.62	< 0.02	< 0.02	1.93	205	222	311	58.0	198	25.2	3.8	15 7	1 6	7.01	1 2	3.0
R21926	25 3	45.1	2 9	2 2	3.86	0.133	0 19	< 0.02	0 65	0.05	< 0.02	1.36	114	260	553	68.2	229	29.5	4.5	19 4	1.9	8.74	1 6	4 2
R21927	40 9	24.5	4.1	1.6	2.07	0 489	0.16	0.03	1.20	0.02	< 0.02	2.70	312	232	481	47.9	146	17.0	2 5	10.2	1.0	5.07	0.9	2.3
R21928	23 0	52.5	6 0	3 0	3 93	0 744	0.31	< 0.02	0 59	0.06	< 0.02	1 53	116	356	467	77.6	242	30.4	4 7	20 3	2.2	10.4	1.9	4 9
R21929	29 0	34.2	4 6	2.9	2 99	0.514	0 27	< 0.02	0.62	< 0.02	< 0.02	2.03	252	222	299	53.8	174	23.5	3.8	16 2	1.7	7.72	1.4	3 4
R21930	31.5	38.6	4.1	2.0	2 50	0.256	0 46	< 0.02	0.72	< 0.02	< 0.02	1.83	224	287	502	66.9	220	27.0	4 1	17.4	1.7	7.64	1.3	3.5
R21931	33 6	43 1	3.6	2 9	3 98	0.370	0 28	0.02	0 70	< 0 02	< 0.02	1.76	198	332	535	82.9	264	32.6	4 6	18 0	1 8	8.72	1 5	4 0
R21932	31.1	32 1	5 6	3.3	2 44	0 537	0 38	0 03	1.70	< 0.02	< 0.02	2.33	344	298	474	73.0	237	30.7	4 2	19 6	1.8	7.94	1 3	3.3
R21933	41.3	39.2	9 6	3 9	2 88	0.745	0 68	0.03	0.98	< 0 02	< 0.02	2.72	264	336	517	83.0	266	32 8	4 4	18 3	1.9	8 71	1 5	3.8
R21934	39 8	28.0	7 5	2.1	3 01	0 157	0.14	0.03	1 02	< 0 02	< 0.02	2.68	373	280	479	68.0	221	27.5	3 7	15.6	1.5	6 65	1 1	2 9
R21935	41 0	43.6	6 2	3.4	1 95	0 821	0.63	< 0.02	0.66	< 0 02	< 0.02	1.72	81 1	387	551	91.9	296	35.4	5.2	20.4	1 9	8.70	1 5	4.0
R21936	23.0	43 7	3 7	2 5	4 08	0.304	0.15	< 0.02	0 56	< 0 02	< 0.02	1 71	196	305	643	73.3	239	31 2	5 0	22 3	2 2	10 2	1 8	4.5
R21937	36.6	37 3	3.9	2.6	2 29	0.502	0.32	0.02	0.89	< 0 02	< 0 02	2.57	280	277	446	65.4	214	27 5	4.1	17 3	1.7	8.17	1 4	3.7
R21938	35.0	24.6	3 8	2 0	2 21	0 192	0.09	< 0.02	0.80	< 0 02	< 0 02	1.76	190	173	386	41.2	133	16 4	2.5	10 3	1 0	4.89	0 9	2 3
R21939	27.4	4 27	1.7	3 4	3 53	< 0 002	0.04	< 0 02	0 51	< 0.02	< 0 02	0 51	31 3	21 8	47.1	5.0	16.6	2 6	0.5	1 8	0.2	1.18	0.2	0 5
R21940	36.0	42.1	4.1	2 9	2 27	0 537	0 20	0.02	0 89	< 0 02	< 0.02	2.33	267	288	699	67.7	219	28 6	4.6	20.6	2 1	9.61	1 7	4.2
R21941	26.3	27.1	2.6	1 6	3 86	0 080	0.12	< 0.02	0.71	< 0 02	< 0 02	1.67	169	168	437	45 2	151	20 4	3.2	14 3	1 4	6 58	1.1	2.9
R21942	43.1	33.9	6 3	2 4	1 72	0.375	0.24	0 03	0.93	< 0 02	< 0.02	2.50	323	245	489	58.0	191	24 8	3.7	16 6	1 6	7.31	1 3	3 3
R21943	28.5	44.5	3.8	2 7	3 66	0 342	0 45	< 0.02	0.57	< 0 02	< 0 02	1.48	145	282	586	70.2	236	30 5	4.6	19 9	1 9	9 38	1 6	4.3
R21944	28.5	60.4	3.6	2.6	4.01	0 438	0 75	< 0.02	0.60	< 0 02	< 0 02	1.42	119	376	695	92.6	301	38.0	5 6	23 6	2 4	11 5	2 1	5.4
R21945	42.7	34.7	7.2	3.3	1.97	0.453	0.15	0.03	0 98	< 0.02	< 0.02	3.72	372	259	389	61.8	200	25.6	3 8	14.8	1 5	7.21	1 3	3.2
R21946	23.9	29.8	2 2	1 8	1.81	0 169	0.36	< 0 02	0 40	< 0.02	< 0.02	1.04	136	195	289	49.1	169	21.9	3 3	14.3	1 3	6.19	1.1	2 7
R21947	27 2	29.6	2 1	2 3	4.25	0.180	0 52	< 0 02	0 48	< 0.02	< 0.02	1.10	81 6	168	249	39.8	134	18.3	3.0	13.2	1.4	6 53	1 2	2 9
R21948	26.3	54 9	5 5	2 8	4.62	0.215	0.11	< 0 02	0 79	< 0.02	< 0.02	4.34	203	238	684	65.0	225	31.8	4 9	21 4	2 2	10.9	2 0	5.4
R21949	29 1	36.1	4 7	3.8	1 90	0.331	0 33	< 0 02	0.58	< 0 02	< 0.02	2.39	195	200	324	52.2	176	24 8	3.9	17 9	1.9	8.72	1 5	3 8
R21950	27.6	43.9	4 1	2.3	8 84	0.484	0 24	< 0 02	0.78	< 0 02	< 0.02	2.88	188	241	596	60.1	205	27 9	4.3	19 6	1 9	9 14	1.6	4.3
R21951	26.2	32.0	2.4	3 2	6.12	0 132	0.16	< 0.02	0.59	< 0 02	< 0.02	1.21	99 4	172	279	46.3	159	21 4	3.4	14 1	1 5	7 11	1 3	3 2
R21952	25.4	54.4	3 9	3 5	6 83	0.283	0.12	< 0 02	0.64	< 0.02	< 0 02	2 49	181	247	525	72.9	262	39.2	6.3	27 3	2.8	13 6	2 4	6.2
R21953	29.9	48 8	4 1	4 1	4 77	0 363	0.36	< 0 02	0.77	< 0 02	< 0.02	2 93	251	278	525	70.0	237	32.7	5 0	22.1	2 2	10.5	1 8	4 8
R21954	30.2	30.7	4 6	2 9	3 62	0.463	0.27	< 0 02	0 44	< 0 02	< 0.02	1.27	108	209	277	49.0	161	19.6	2.8	12.3	1 2	5 57	1 0	2 7
R21955	27.1	59.4	4.4	3 3	2 81	0.405	0.18	< 0 02	0 47	< 0.02	< 0.02	2.05	119	315	391	73.9	253	33 9	5.3	21 7	2.2	10 8	2.0	5 3
R21956	23 9	22 8	2 0	3 3	2 60	0.081	0.37	< 0 02	0 53	< 0 02	< 0.02	0.58	48 2	119	170	29 9	103	13.7	2.2	8 2	0.9	4 33	0.8	2.1
R21957	25 1	34.4	2.0	2 2	3.81	0.135	0.45	< 0 02	0.47	< 0 02	< 0 02	0.92	65 2	178	312	45.2	161	22 3	3.8	15 8	1 5	7.34	1 3	3 3
R21958	51.7	25 4	4 8	2 9	3.22	0.212	0.80	0 02	0 85	< 0 02	< 0 02	2.30	296	148	260	34.6	115	15 6	2 6	10.8	1.2	5 48	1.0	2 4
R21959	32.3	39.0	2 0	2 7	4.53	0 170	0.35	< 0.02	0.56	< 0 02	< 0.02	1 54	107	199	425	48.8	168	22.9	3 8	15 0	1.5	7.48	1.4	3 6
R21960	21 6	48.7	2 2	1 5	5 12	0.322	0.51	< 0.02	0.26	< 0.02	< 0.02	1 06	84.2	304	745	69.3	241	32 3	5.7	24.9	2.4	11.2	1 9	4 9
R21961	33.2	37.6	5.3	4 3	4 55	0.282	0.56	< 0.02	0 76	< 0.02	< 0 02	2.86	304	237	335	56.2	193	26 3	3 9	17.7	1.8	8.30	1 4	3.7
R21962	24.6	42 6	4.8	3.8	4 53	0.272	0.24	< 0.02	0.55	0.02	< 0.02	1.08	113	232	356	55.6	187	24.9	3.9	15 9	1.6	7.98	1 4	3 8
R21963	29.2	56 4	2 3	2 6	3 55	0.283	0 55	< 0.02	0 45	< 0.02	< 0.02	0.84	86 8	332	503	82.7	279	37 0	5 8	22 0	2.3	11.3	2 1	5 2
R21964	34.5	34 5	2 9	2 4	1.48	0 237	0 33	< 0.02	0 36	< 0.02	< 0.02	0.97	110	261	382	60.3	200	25.0	4.1	16 6	1.7	7.62	1 3	3 2

Analyte Symbol	Sr	Y	Zr	Nb	Mo	Ag	Cd	In	Sn	Sb	Te	Cs	Ba	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er
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	0.5	0 01	0.1	0.1	0.01	0 002	0.01	0.02	0.05	0.02	0 02	0.02	0.5	0.5	0.01	0.1	0 02	0 1	0 1	0.1	0.1	0.001	0 1	0 1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
R21965	30.6	38 7	3.1	2.9	4 61	0.164	0.36	< 0 02	0.52	< 0 02	< 0.02	1.16	131	225	420	52 8	218	30 2	5 0	20.3	2.0	9.27	1.6	4.0
R21966	33.6	43.2	3 2	2 8	2 20	0.237	0.39	< 0.02	0.90	< 0 02	< 0 02	1.23	120	249	409	66 3	245	35 6	6.1	23.9	2 3	10 4	1.8	4 4
R21967	25.7	56.0	3.2	2 9	2 71	0.372	0.32	< 0 02	0.59	< 0 02	< 0 02	1 75	169	259	570	71 2	256	38.6	6.4	27.3	2 7	13.4	2.4	6.1
R21968	28.0	60 0	2 7	2 8	3 32	0.288	0.33	< 0.02	0.48	< 0.02	< 0.02	1.21	120	286	537	69.2	231	33 0	5.8	24.0	2.6	12 8	2.3	5 9
R21969	25.1	3.60	1.8	3.0	3 31	< 0 002	0.01	< 0.02	0 47	< 0.02	< 0 02	0 43	27.4	18 8	41.6	4 4	14.5	2 3	0 4	1 4	0.2	0.938	0.2	0.4
R21970	24.9	38 5	1.1	1 3	1.02	0 312	0.23	< 0.02	0.17	< 0.02	< 0 02	0 48	82 3	161	290	47.0	177	27.5	5.0	19.6	2.0	9.59	1.6	4 0
R21971	30.0	46.5	5 4	3 7	1.19	0.472	0.29	< 0.02	0.65	< 0.02	< 0.02	2 08	238	236	540	63.7	214	29 2	4 5	18.4	2.1	10 3	1.8	4.7
R21972	34.1	60.1	4.6	2 7	4 24	0.409	0 07	0 03	0 90	< 0.02	< 0.02	3 52	296	331	653	89.5	300	44.0	6 9	29.9	3 2	15 4	2 7	7.0
R21973	15.9	52.7	4.4	1 3	5 33	0.171	0 36	< 0 02	0 18	< 0.02	< 0 02	0 43	82 6	236	613	64.1	233	35 2	6.2	26.5	2 7	12 5	2 2	5 4
R21974	42.5	37.4	8 5	4 0	7.23	0 468	0.59	< 0 02	0.80	< 0.02	< 0 02	2.59	283	244	412	66 4	230	31.2	4.6	19.1	1.8	8.45	1 5	3 8
R21975	24.2	46.8	1 5	1.9	3.07	0.210	0 27	< 0.02	0.30	< 0.02	< 0.02	0.75	80.7	223	455	60.9	213	29 7	4.7	18 5	2.0	9 77	1 8	4 6
R21976	40 1	22.8	3 4	2 9	5.00	0 136	0.16	< 0 02	0.66	< 0 02	< 0.02	1.47	135	108	225	33.4	116	16 0	2.8	9.5	1.0	5 10	0 9	2 3
R21977	24 1	73.2	1 8	2.3	4.79	0 365	0 40	< 0.02	0.30	< 0.02	< 0 02	1.23	87 5	329	632	92.9	324	45 0	7.8	29.1	3.1	15 5	2 8	7 2
R21978	24.1	53.2	1 4	2 2	4 62	0 264	0 29	< 0 02	0.30	< 0.02	< 0.02	0.62	63 0	267	488	68.9	245	34.5	6 0	24.1	2 5	12 2	2 1	5 2
R21979	34.9	48.1	2 4	2 8	2 52	0.154	0.30	< 0.02	0.60	< 0.02	< 0 02	1.26	109	198	333	56.4	200	28 4	4.8	18.1	1 9	9 62	1.8	4 6
R21980	41.7	45.0	2 9	3 3	2 97	0.198	0 34	< 0.02	0 52	< 0.02	< 0.02	1 20	112	246	414	68.5	251	35 7	6.1	23.2	2.2	10 5	1 8	4 5
R21981	38 1	34.3	3.3	2 6	3 74	0.173	0.18	< 0.02	0 62	< 0.02	< 0.02	1 25	176	195	370	54.0	182	24 7	3.9	16.4	1 7	7 99	1 4	3 6
R21982	32.7	74 1	5.4	3 5	9 54	0.507	0.89	< 0 02	0 53	< 0.02	< 0 02	1.30	114	419	749	118	406	56 1	8.7	34.1	3 3	18 1	2 9	7 5
R21983	30.5	41 8	1.9	2.2	3.89	0.230	0.30	< 0 02	0 44	< 0.02	< 0.02	0.75	96.3	241	462	59 8	203	27.6	4.7	19.1	1.9	9.32	1.6	4.1
R21984	56.3	21.3	7 8	3 0	2.93	0.172	0 29	0 02	0.88	< 0.02	< 0.02	1 46	227	175	265	37 7	119	14.0	2 2	8.8	0.9	4.37	0.8	1.9
R21985	29 7	57.1	2 5	2 5	4.04	0.220	0.31	< 0.02	0.49	< 0.02	< 0.02	1 07	105	337	692	86 1	294	39.5	6 5	26 0	2 6	12 5	2 2	5.7
R21986	27 8	55 5	2.5	2 5	4 62	0 204	0.44	< 0.02	0.41	< 0 02	< 0.02	1.30	129	312	533	83.3	296	42.8	7.3	29.3	2.8	13 2	2 3	5 7
R21987	27 5	29 3	2.0	2 9	2 57	0 130	0 30	< 0.02	0 46	< 0 02	< 0 02	0.74	73 0	165	264	43.5	155	21 3	3 6	13 3	1.3	6.42	1.1	2.9

Analyte Symbol	Tm	Yb	Lu	Hf	Ta	W	Re	Au	Tl	Pb	Th	U
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm
Detection Limit	0.1	0 1	0.1	0.1	0 05	0 1	0.001	0.5	0 02	0 01	0.1	0.1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
R21861	0 9	4.9	0 7	0 1	< 0 05	< 0.1	< 0.001	4.8	0.20	7.42	5.2	34 4
R21862	0.7	4.2	0 6	< 0 1	< 0.05	< 0.1	< 0.001	2.0	0 49	9.88	16.5	36 5
R21863	0 4	2.4	0 4	< 0 1	< 0 05	< 0.1	< 0.001	1.6	0.32	8.94	12.0	5 7
R21864	0 3	1 9	0.3	< 0 1	< 0.05	< 0.1	< 0 001	2.0	0.15	5.35	3.3	2.8
R21865	< 0.1	0.4	< 0 1	< 0 1	< 0.05	< 0.1	< 0.001	2.1	0.07	4.46	8.2	0.8
R21866	0.6	3.8	0 6	< 0 1	< 0 05	< 0.1	< 0.001	2.6	0.48	9.73	13.3	4.7
R21867	0 6	3.6	0.5	< 0.1	< 0 05	< 0.1	< 0.001	8 0	0 57	12 4	13 8	6.8
R21868	0.6	3.7	0.6	< 0.1	< 0.05	< 0 1	< 0 001	2 1	0.67	14 1	20 5	4.8
R21869	0 6	3.4	0.5	< 0.1	< 0.05	< 0 1	< 0.001	1.8	0 45	8.51	16 8	2 8
R21870	0.3	1.5	0.2	< 0.1	< 0.05	< 0.1	< 0.001	1 2	0 43	9.90	11.9	2 2
R21871	0.6	3.2	0.5	< 0 1	< 0 05	< 0.1	< 0.001	1 3	0 86	14 4	42.9	3 8
R21872	0.3	1 6	0 2	< 0 1	< 0 05	< 0.1	< 0.001	1.9	0.30	5.16	10 4	1.9
R21873	0.4	2.0	0.3	< 0.1	< 0.05	< 0.1	< 0.001	1.7	0.25	5 22	4 4	1.5
R21874	0.6	3.1	0 5	< 0 1	< 0.05	< 0.1	< 0.001	1.2	0.43	13 1	13.4	2 7
R21875	0.4	2.2	0.3	< 0 1	< 0.05	< 0.1	< 0.001	0.6	0.49	11 6	15.9	2.5
R21876	0.3	1.5	0 2	< 0 1	< 0.05	< 0.1	< 0 001	1.5	0 80	13 1	32.6	1.8
R21877	0 3	1.5	0 2	< 0 1	< 0.05	< 0.1	< 0.001	1.3	0.73	12 8	23.0	2 1
R21878	0.2	1.4	0.2	< 0 1	< 0.05	< 0.1	< 0 001	1.1	0.50	9 09	17.2	1.6
R21879	0 5	2.7	0 4	< 0.1	< 0.05	< 0.1	< 0 001	1 4	0.42	9 51	11.3	2.4
R21880	0.5	3.0	0.5	< 0 1	< 0.05	< 0 1	< 0 001	2 2	0 87	20.3	42 8	4 7
R21881	0 6	3.8	0 6	< 0.1	< 0.05	< 0.1	< 0.001	1 5	0 56	13.4	19 7	3 9
R21882	0 7	3.6	0.6	< 0 1	< 0.05	< 0.1	< 0.001	0.7	0.54	13 1	18.4	3 0
R21883	0 4	2.3	0 4	< 0.1	< 0.05	< 0.1	< 0.001	2 3	0 40	8 68	12.4	2.7
R21884	0 4	2 4	0 4	< 0.1	< 0.05	< 0.1	< 0.001	1.5	0.63	12.4	18.3	2.7
R21885	0.4	2 5	0 4	< 0.1	< 0.05	< 0.1	< 0.001	1 0	0.82	13.6	24.8	3.4
R21886	0 3	1 8	0.2	< 0.1	< 0 05	< 0.1	< 0.001	< 0.5	0 57	9.94	16.5	1.7
R21887	0.5	2 9	0.5	< 0.1	< 0 05	< 0.1	< 0.001	1 0	0 42	8.81	14 0	3.4
R21888	< 0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 0.5	0 04	3.45	7.8	0 7
R21889	0.3	1 6	0.3	< 0 1	< 0.05	< 0.1	< 0.001	< 0 5	0.17	6.08	3.6	2 6
R21890	0.4	2 2	0.3	< 0.1	< 0 05	< 0 1	< 0.001	< 0 5	0.41	6 62	11.0	2.7
R21891	0.2	1 3	0.2	< 0 1	< 0.05	< 0.1	< 0.001	1 2	0.37	4 88	9.4	1.6
R21892	0.5	2 5	0.4	< 0.1	< 0.05	< 0.1	< 0.001	0 6	0.15	3.58	3.8	3.0
R21893	0 2	0.9	0 1	< 0.1	< 0.05	< 0.1	< 0.001	< 0.5	0.21	4.52	7.8	0.8
R21894	0.3	2 0	0 3	< 0.1	< 0.05	< 0.1	< 0.001	1.3	0.21	6.63	7.9	2.5
R21895	0 2	1.4	0.2	< 0 1	< 0 05	< 0.1	< 0.001	0.5	0 63	12 0	24.6	3.6
R21896	0 2	1 2	0 2	< 0 1	< 0.05	< 0.1	< 0.001	0.8	0.34	6.55	11.9	1 4
R21897	0.2	1.1	0.2	< 0.1	< 0.05	< 0.1	< 0 001	< 0.5	0.26	4 88	12.6	1 0
R21898	0 2	1.2	0.2	< 0.1	< 0.05	< 0.1	< 0.001	0 6	0 36	5.71	8.1	1.3
R21899	0 4	2.3	0 4	< 0 1	< 0.05	< 0.1	< 0.001	0.9	0.32	7.34	6.1	2.3
R21900	0.5	2 8	0 4	< 0 1	< 0 05	< 0.1	< 0.001	< 0.5	0.77	15 4	24 5	3.0
R21901	0.5	2.8	0.4	< 0 1	< 0 05	< 0.1	< 0 001	6.1	0 82	12 4	35 5	3 0
R21902	0.6	3 2	0.5	< 0.1	< 0.05	< 0.1	< 0.001	< 0.5	0.54	11.9	15.0	2 3
R21903	0.4	2.2	0 3	< 0 1	< 0.05	< 0.1	< 0.001	< 0 5	0.47	10 3	14.3	2.4
R21904	0.6	3.5	0 6	< 0 1	< 0.05	< 0.1	< 0.001	0.8	0.27	8 96	8.6	3 4
R21905	0.6	3.1	0 5	< 0 1	< 0.05	< 0.1	< 0.001	1.2	0.31	7 07	4.6	2.3
R21906	0.4	2.3	0 3	< 0 1	< 0 05	< 0.1	< 0 001	0.7	0.99	17 2	40 3	2 5
R21907	0 3	1.9	0 3	< 0 1	< 0 05	< 0.1	< 0 001	< 0.5	0 37	4.53	11 9	1.8
R21908	0 4	2.2	0.3	< 0.1	< 0 05	< 0.1	< 0 001	1.6	0 32	5.85	5 2	15 3
R21909	0.3	1 5	0 2	< 0 1	< 0 05	< 0.1	< 0.001	< 0.5	0 20	4.40	2 6	2.2
R21910	0.8	4 0	0 6	< 0 1	< 0 05	< 0.1	< 0.001	9 4	0 41	5.34	6.8	6.7
R21911	0.9	5.0	0 7	< 0 1	< 0.05	< 0 1	< 0.001	0 7	0 19	7.09	4.3	5.5
R21912	0.9	5 2	0 7	< 0.1	< 0 05	< 0.1	< 0.001	< 0 5	0 32	14 9	10 7	7.3

Analyte Symbol	Tm	Yb	Lu	Hf	Ta	W	Re	Au	Tl	Pb	Th	U
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm
Detection Limit	0.1	0.1	0.1	0.1	0.05	0.1	0.001	0.5	0.02	0.01	0.1	0.1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
R21913	0.3	1.6	0.2	< 0.1	< 0.05	< 0.1	< 0.001	< 0.5	0.46	8.08	14.3	1.6
R21914	0.3	1.6	0.2	< 0.1	< 0.05	< 0.1	< 0.001	0.8	0.75	15.4	31.6	2.0
R21915	0.5	2.8	0.4	< 0.1	< 0.05	< 0.1	< 0.001	2.0	0.84	12.9	36.5	2.7
R21916	0.6	3.3	0.5	< 0.1	< 0.05	< 0.1	< 0.001	< 0.5	0.49	12.2	23.8	3.0
R21917	0.7	3.8	0.6	< 0.1	< 0.05	< 0.1	< 0.001	< 0.5	0.48	16.7	15.7	7.4
R21918	0.3	1.9	0.3	< 0.1	< 0.05	< 0.1	< 0.001	< 0.5	0.37	6.74	6.7	2.0
R21919	0.6	3.4	0.5	< 0.1	< 0.05	< 0.1	< 0.001	< 0.5	0.33	10.6	10.5	3.0
R21920	0.3	1.9	0.3	< 0.1	< 0.05	< 0.1	< 0.001	0.8	0.74	11.7	26.2	3.1
R21921	0.6	3.4	0.5	< 0.1	< 0.05	< 0.1	< 0.001	< 0.5	0.48	11.1	14.2	4.3
R21922	0.4	2.4	0.3	< 0.1	< 0.05	< 0.1	< 0.001	1.4	0.28	5.05	4.8	3.3
R21923	0.5	3.0	0.4	< 0.1	< 0.05	< 0.1	< 0.001	< 0.5	0.56	7.25	18.6	6.5
R21924	0.6	3.6	0.5	< 0.1	< 0.05	< 0.1	< 0.001	< 0.5	0.63	12.9	33.8	6.9
R21925	0.4	2.2	0.3	< 0.1	< 0.05	< 0.1	0.001	4.2	0.50	9.52	18.2	4.8
R21926	0.6	3.6	0.6	< 0.1	< 0.05	< 0.1	0.003	2.8	0.62	11.7	17.2	5.1
R21927	0.3	1.8	0.3	< 0.1	< 0.05	< 0.1	< 0.001	2.1	1.12	21.6	50.8	2.8
R21928	0.7	3.7	0.6	< 0.1	< 0.05	< 0.1	0.002	4.3	0.58	11.6	30.3	5.0
R21929	0.5	2.7	0.4	< 0.1	< 0.05	< 0.1	0.003	2.6	0.64	12.0	26.7	4.3
R21930	0.5	3.0	0.6	< 0.1	< 0.05	< 0.1	0.002	3.2	1.04	15.9	33.7	3.7
R21931	0.6	3.2	0.5	< 0.1	< 0.05	< 0.1	0.002	3.3	0.53	11.0	16.9	6.3
R21932	0.5	2.7	0.4	< 0.1	< 0.05	< 0.1	0.002	3.1	0.89	15.6	41.0	6.2
R21933	0.5	3.0	0.5	< 0.1	< 0.05	< 0.1	0.004	2.9	1.03	15.1	40.5	6.7
R21934	0.4	2.4	0.4	< 0.1	< 0.05	< 0.1	0.002	7.2	0.90	17.0	49.3	6.7
R21935	0.5	3.1	0.5	< 0.1	< 0.05	< 0.1	0.003	3.4	0.62	10.4	17.1	6.3
R21936	0.6	3.8	0.6	< 0.1	< 0.05	< 0.1	0.001	2.4	0.52	12.7	25.9	9.8
R21937	0.5	3.0	0.5	< 0.1	< 0.05	< 0.1	0.002	2.4	0.89	17.3	36.1	4.7
R21938	0.3	1.8	0.3	< 0.1	< 0.05	< 0.1	0.001	2.2	0.66	12.8	32.0	2.6
R21939	< 0.1	0.4	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	9.3	0.07	3.83	9.3	0.8
R21940	0.6	3.1	0.5	< 0.1	< 0.05	< 0.1	0.001	1.4	0.81	15.7	30.4	3.4
R21941	0.4	2.4	0.4	< 0.1	< 0.05	< 0.1	< 0.001	2.0	0.54	11.4	22.3	4.0
R21942	0.5	2.8	0.4	< 0.1	< 0.05	< 0.1	0.001	1.9	0.96	16.0	45.0	4.0
R21943	0.6	3.6	0.5	< 0.1	< 0.05	< 0.1	0.002	1.6	0.56	9.73	13.7	7.2
R21944	0.8	4.5	0.6	< 0.1	< 0.05	< 0.1	0.003	1.8	0.53	9.66	11.4	9.4
R21945	0.4	2.4	0.4	< 0.1	< 0.05	< 0.1	0.002	2.5	1.13	17.1	44.2	7.6
R21946	0.4	2.3	0.3	< 0.1	< 0.05	< 0.1	0.001	1.6	0.28	6.30	8.6	6.8
R21947	0.4	2.2	0.3	< 0.1	< 0.05	< 0.1	< 0.001	1.0	0.12	11.7	4.9	20.9
R21948	0.8	4.5	0.7	< 0.1	< 0.05	< 0.1	0.001	1.3	0.83	14.2	35.4	29.2
R21949	0.5	2.9	0.4	0.1	< 0.05	0.3	0.001	4.0	0.55	8.44	22.5	20.4
R21950	0.6	3.8	0.6	< 0.1	< 0.05	0.1	0.001	2.4	0.90	13.6	43.1	18.0
R21951	0.4	2.5	0.4	< 0.1	< 0.05	< 0.1	< 0.001	1.7	0.24	7.36	15.5	12.2
R21952	0.9	5.5	0.9	< 0.1	< 0.05	< 0.1	0.002	3.4	0.64	13.1	35.3	29.0
R21953	0.7	4.2	0.6	< 0.1	< 0.05	< 0.1	0.001	3.0	0.82	13.1	40.9	20.3
R21954	0.4	2.3	0.4	< 0.1	< 0.05	< 0.1	0.001	1.9	0.35	8.65	14.0	13.4
R21955	0.7	4.3	0.6	< 0.1	< 0.05	< 0.1	0.002	2.8	0.44	8.10	19.2	13.0
R21956	0.3	1.6	0.2	< 0.1	< 0.05	< 0.1	0.002	< 0.5	0.11	9.29	6.4	8.0
R21957	0.5	2.8	0.4	< 0.1	< 0.05	< 0.1	0.001	1.7	0.12	9.27	5.4	14.4
R21958	0.3	1.8	0.3	< 0.1	< 0.05	< 0.1	0.002	1.9	0.49	15.0	19.5	22.1
R21959	0.5	3.0	0.4	< 0.1	< 0.05	< 0.1	< 0.001	1.2	0.39	9.48	9.7	20.9
R21960	0.7	3.9	0.6	< 0.1	< 0.05	< 0.1	0.001	2.0	0.68	16.1	7.5	35.6
R21961	0.5	3.2	0.5	< 0.1	< 0.05	< 0.1	0.002	0.7	0.91	12.6	32.0	25.8
R21962	0.5	3.2	0.5	< 0.1	< 0.05	< 0.1	0.002	2.5	0.35	8.20	21.4	15.1
R21963	0.7	4.2	0.6	< 0.1	< 0.05	< 0.1	0.002	2.3	0.28	4.98	8.8	25.0
R21964	0.4	2.4	0.3	< 0.1	< 0.05	< 0.1	< 0.001	1.1	0.27	6.49	7.9	12.0

Analyte Symbol	Tm	Yb	Lu	Hf	Ta	W	Re	Au	Tl	Pb	Th	U
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm
Detection Limit	0 1	0.1	0.1	0.1	0.05	0.1	0.001	0.5	0 02	0 01	0.1	0.1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
R21965	0.6	3.3	0.5	< 0 1	< 0 05	< 0.1	0.001	1 5	0 35	8 69	17.4	28 0
R21966	0.6	3.6	0 5	< 0.1	< 0 05	< 0.1	0 002	2 2	0.46	7.38	13.8	21 1
R21967	0 9	5 3	0 8	< 0.1	< 0 05	< 0.1	0 002	2.3	0.44	12 2	17.4	41 8
R21968	0.8	4.7	0.7	< 0.1	< 0 05	< 0.1	< 0.001	< 0.5	0.30	8 01	10.2	26 6
R21969	< 0.1	0.4	< 0.1	< 0.1	< 0.05	< 0 1	< 0.001	1.3	0.05	3 51	6 7	0 8
R21970	0.6	3.2	0.5	< 0 1	< 0 05	< 0.1	0.001	< 0.5	0.13	5 02	3.3	15 8
R21971	0.7	3.9	0 5	< 0.1	< 0 05	0.4	< 0 001	1 9	0 52	11 8	22 7	42 2
R21972	1.0	6 1	0.9	< 0.1	< 0 05	< 0.1	0 001	8.4	0.61	21 5	49 3	72 5
R21973	0.8	4 3	0 6	< 0.1	< 0 05	< 0.1	0.001	1.7	1.00	9 14	12.1	21.5
R21974	0 5	3 3	0 5	< 0.1	< 0.05	< 0 1	0.004	2 7	1 17	14 6	37.9	60.1
R21975	0 7	3.9	0.5	< 0 1	< 0.05	< 0.1	0 001	0.7	0 15	4.26	7.1	21 8
R21976	0 3	2 0	0.3	< 0 1	< 0 05	< 0.1	0.002	< 0.5	0 34	7.59	15 5	12 4
R21977	1.0	5.9	0.8	< 0 1	< 0.05	< 0.1	0.002	0.8	0 17	4.82	7.8	34.1
R21978	0.7	4.1	0 6	< 0 1	< 0.05	< 0 1	0.001	1.1	0 11	6.09	7.2	31.5
R21979	0.6	3 7	0 5	< 0 1	< 0 05	< 0 1	< 0.001	< 0.5	0.21	6.02	9.1	20.4
R21980	0.6	3 7	0 6	< 0.1	< 0 05	< 0 1	0.002	1.2	0.39	6.88	11.7	17.5
R21981	0.5	2.8	0 4	< 0.1	< 0 05	< 0.1	0.001	0.9	0 36	8.40	18 8	13.7
R21982	1.1	6.5	1.0	< 0 1	< 0.05	0 3	0.007	1 4	0.80	15 4	17 0	23.8
R21983	0 6	3.5	0 5	< 0 1	< 0 05	< 0.1	0.001	< 0 5	0.22	5 77	8 3	10.7
R21984	0 3	1.4	0.2	< 0 1	< 0 05	< 0.1	0.001	< 0 5	0.57	9 25	23 2	10.5
R21985	0.8	4.8	0 7	< 0.1	< 0 05	< 0 1	0.002	< 0 5	0.24	8 49	10.7	26 6
R21986	0.8	4 7	0.7	< 0.1	< 0 05	< 0.1	0 002	0 8	0.43	8 58	12.4	35.8
R21987	0.4	2 4	0 3	< 0.1	< 0.05	< 0.1	< 0.001	< 0 5	0.20	5.93	9.8	13.9

Quality Control

Analyte Symbol	LOI	Li	Be	B	Na	Mg	Al	K	Bi	Ca	Sc	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Rb
Unit Symbol	%	ppm	ppm	ppm	%	%	%	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit		0 1	0.1	1	0.001	0 01	0.01	0 01	0 02	0 01	0.1	1	0.5	1	0.01	0 1	0 1	0 01	0.1	0 02	0.1	0 1	0.1	0.1
Analysis Method	GRAV	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
GXR-1 Meas		4 5	0 7	12	0.025	0 12	0.31	0 03	1380	0.90	1 7	85	8 1	865	24 6	7.9	39 6	1120	762	4.14		364	16.2	2.2
GXR-1 Cert		8.20	1.22	15 0	0.0520	0 217	3.52	0.0500	1380	0.960	1.58	80 0	12 0	852	23 6	8.20	41.0	1110	760	13.8		427	16.6	14 0
DH-1a Meas																								
DH-1a Cert																								
GXR-4 Meas		9.1	1.3	3	0 086	1.69	3.06	1.83	19 1	0.91	7.7	84	60 1	136	3.19	14.7	40 2	6280	73 1	11.0		94.2	5.4	92 7
GXR-4 Cert		11.1	1 90	4 50	0.564	1.66	7.20	4 01	19 0	1.01	7 70	87 0	64 0	155	3.09	14.8	42 0	6520	73 0	20.0		98.0	5 60	160
LKSD-1 Meas	23.10																							
LKSD-1 Cert	23 5																							
GXR-6 Meas		27.8	0.7	5	0.055	0 41	7.62	1 13	0 16	0.21	24.0	162	75 5	979	5 31	12.6	21 7	60.4	116	14 4		184	< 0.1	59 1
GXR-6 Cert		32 0	1.40	9 80	0 104	0 609	17.7	1 87	0 290	0 180	27.6	186	96 0	1010	5 58	13.8	27.0	66.0	118	35.0		330	0 940	90 0
LKSD-3 Meas	11 70																							
LKSD-3 Cert	11 8																							
OREAS 13b (4-Acid) Meas													350			46 9	2080	2190	58.1			45 5		
OREAS 13b (4-Acid) Cert													8650			75	2247	2327	133			57		
R21873 Orig		10.9	0.3	5	0 028	0.38	1.48	0 19	0 03	0 31	1 6	25	12 5	101	0.75	3.9	10.4	113	73 2	3 09	0.7	4 1	1.3	24.4
R21873 Dup		12 2	0.3	3	0 025	0 35	1.30	0.19	0.02	0 33	1 8	24	12 8	96	0.73	4.1	11.1	115	73.2	3.28	0.7	4 0	1.5	25.9
R21887 Orig		34 4	0.8	5	0 045	1.11	2.61	0 64	0.05	0 44	6 1	69	55.3	296	2.38	11.7	26.9	143	162	8 09	0.8	0 4	2.0	75.8
R21887 Dup		33 0	0 7	4	0.040	1 02	2.71	0 65	0 05	0 44	6 0	64	51 3	296	2.40	11.9	26 7	140	154	7 55	0 8	< 0.1	1 8	73 2
R21900 Orig		42 7	0.6	6	0 039	1.50	3 69	0 98	0 06	0.39	6.7	71	26 9	409	3.51	16 4	29 2	185	157	9.52	0 8	< 0 1	1 7	109
R21900 Dup		39 5	0 6	6	0 043	1.49	3 62	0 92	0 06	0 35	6.2	68	26.6	396	3.36	15.4	27 2	177	149	9 90	0 8	0.9	1 4	103
R21914 Orig		41 3	0 9	6	0.052	1 92	4 41	0 97	0 08	0 39	7 8	96	40.8	536	4.56	20.3	35 2	109	185	14.0	0.5	0.8	0 7	118
R21914 Dup		43 9	0 8	6	0.041	1 64	3 99	1 01	0 07	0.41	8 1	87	35 7	504	4.44	20.8	35 8	108	172	11.7	0.4	< 0.1	0 9	118
R21937 Orig		55.9	1.0	4	0.044	1 78	4.11	1.25	0 07	0.44	9.4	112	45 6	673	4 68	25.3	37 1	186	211	14.1	0 7	< 0.1	1.9	150
R21937 Dup		47.0	0 8	6	0.048	1 98	4 56	1 13	0 08	0.38	8.0	105	48 2	685	4.69	23.7	33 4	169	202	15 4	0 7	< 0.1	1 6	134
R21951 Orig		17 7	0.5	3	0.034	0 54	1.64	0 32	0 04	0 44	3 7	43	94 2	201	1.94	8.5	20 0	70.8	91.3	4 90	0 6	3.0	1 1	41.0
R21951 Dup		15 3	0.4	2	0.028	0 47	1 58	0 30	0.03	0.40	3 3	32	79.4	191	1 86	7.9	18 2	63.4	79 6	3.95	0.5	2 0	0.8	35 8
R21964 Orig		16 7	0.4	6	0.027	0.48	1.59	0.29	0.03	0 47	2 4	35	19.0	170	1.43	8.1	19 0	85.0	95 1	4 25	0.7	0 9	1.3	36.3
R21964 Dup		15 5	0 4	6	0.025	0 48	1 58	0.28	0.03	0.44	2 3	30	18 2	166	1 39	7.8	18.4	80 2	90 8	3.96	0.8	1 8	1.3	33.5
R21978 Orig		9 4	0 6	2	0 023	0 24	1.70	0 15	0 03	0 34	1.9	28	47 0	156	1.89	6 4	9 4	114	48.2	2 54	0 8	2 3	1.8	15 2
R21978 Dup		9 2	0.5	2	0.024	0 24	1 69	0 15	0.03	0 34	1 9	27	47 1	155	1.89	6.2	9 4	112	46 1	2.45	0.7	2 0	1.7	14.6
R21985 Orig		15 9	0.6	4	0 031	0 61	2.33	0.31	0 05	0 36	3.7	53	35.7	244	2.70	10.2	15 9	120	119	5 51	1 0	2 5	2 2	34 1
R21985 Dup		16 4	0.6	3	0 025	0.55	2.15	0 30	0.05	0 35	3 5	48	31.5	232	2 63	10.4	16 1	115	111	4.73	0 8	1 0	2 1	33 8
Method Blank Method Blank		< 0.1	< 0.1	< 1	< 0 001	< 0 01	< 0.01	< 0 01	< 0 02	< 0 01	< 0 1	< 1	< 0.5	< 1	< 0 01	< 0.1	< 0 1	< 0.01	< 0 1	< 0 02	< 0 1	< 0 1	< 0.1	< 0.1

Quality Control

Analyte Symbol	Sr	Y	Zr	Nb	Mo	Ag	Cd	In	Sn	Sb	Te	Cs	Ba	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er
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	0.5	0 01	0 1	0 1	0.01	0.002	0.01	0.02	0 05	0 02	0 02	0.02	0.5	0 5	0.01	0.1	0.02	0.1	0.1	0 1	0 1	0.001	0.1	0.1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
GXR-1 Meas	175	26.6	16.6	0 3	18.0	31.9	2.53	0 74	24.1	91 6	13.0	2 57	301	4.3	11 1		5 69	2.0	0.5	3.4	0.7	4.35		
GXR-1 Cert	275	32.0	38 0	0.800	18 0	31.0	3.30	0.770	54.0	122	13.0	3.00	750	7.50	17 0		18.0	2.70	0.690	4.20	0.830	4.30		
DH-1a Meas																								
DH-1a Cert																								
GXR-4 Meas	64 0	11 0	9 7	0 2	319	3.54	0 14	0 19	5 28	3.40	0.81	2.42	15.5	46.8	86 2		33 4	5 3	1.3	4 4	0 5	2.58		
GXR-4 Cert	221	14 0	186	10 0	310	4.00	0.860	0.270	5 60	4 80	0 970	2.80	1640	64.5	102		45 0	6.60	1.63	5.25	0.360	2.60		
LKSD-1 Meas																								
LKSD-1 Cert																								
GXR-6 Meas	36.6	6 11	14.5	< 0 1	1.54	0.280	0.09	0 05	0 92	1 95	< 0 02	3 22	1250	10.7	30 3		10.0	2.0	0.5	1 9	0.3	1.48		
GXR-6 Cert	35.0	14.0	110	7 50	2.40	1.30	1.00	0.260	1 70	3.60	0.0180	4 20	1300	13.9	36.0		13.0	2.67	0.760	2 97	0.415	2 80		
LKSD-3 Meas																								
LKSD-3 Cert																								
OREAS 13b (4-Acid) Meas					8 56	0.879																		
OREAS 13b (4-Acid) Cert					9 0	0.86																		
R21873 Orig	28.2	30.5	1.2	0 9	0.83	0.256	0.54	< 0 02	0.20	< 0 02	< 0.02	0 53	80 4	221	313	55.6	192	24 2	3.5	14 5	1.3	5 62	1.0	2 7
R21873 Dup	29.5	30.8	1.0	0.9	0.78	0.262	0.57	< 0.02	0 21	< 0 02	< 0 02	0.51	91 7	221	309	55 2	185	22 5	3.3	12 7	1.2	5 59	1.0	2 7
R21887 Orig	35.3	41.2	4 4	2.5	3.55	0.302	0.68	< 0 02	0 61	< 0 02	< 0.02	1 26	188	310	466	74.4	240	29 1	4.1	16 6	1.7	7 86	1 4	3 7
R21887 Dup	33.9	40.1	3.9	2.4	3 55	0.288	0 68	< 0 02	0 61	< 0 02	< 0 02	1 25	188	312	459	73.2	232	28 7	4.2	18.1	1.8	7 94	1.5	3.8
R21900 Orig	33.3	38.0	6 0	3 1	1 80	0 464	0.28	< 0.02	0.69	< 0.02	< 0.02	1.88	305	292	435	68.3	227	27.6	4 0	17 8	1 7	7.83	1.4	3 7
R21900 Dup	31 6	35 8	6 1	3 0	1 66	0.418	0.29	< 0 02	0.66	< 0.02	< 0.02	1.75	223	278	407	66.0	220	27.7	3.9	17 1	1 6	7.26	1.3	3 4
R21914 Orig	35 6	21.2	6 4	3.1	1 90	0.315	0.24	0.02	0.95	< 0 02	< 0.02	2.26	312	176	249	39.9	128	15 8	2 2	9 8	0.9	4.28	0.8	2 0
R21914 Dup	35.1	20 0	5.4	2.9	1 74	0.326	0.20	0 02	0.85	< 0.02	< 0.02	2.17	312	172	239	36.9	113	13.4	2.0	8 8	0.9	4 25	0 7	2.0
R21937 Orig	38.3	38.4	4 0	2.7	2.28	0.535	0.31	0.02	0.91	< 0.02	< 0 02	2 61	297	286	457	66.4	212	26.9	4.0	16 9	1.8	8 33	1 5	3.8
R21937 Dup	34 9	36.2	3 9	2 5	2 30	0.468	0 32	0.02	0.87	< 0.02	< 0 02	2.53	263	269	434	64.5	216	28.2	4.3	17.7	1.7	8.01	1.4	3 6
R21951 Orig	28.2	34.5	2.6	3 3	6.41	0.139	0.16	< 0.02	0 62	< 0.02	< 0.02	1.25	102	180	294	48.7	167	22 5	3 4	13.9	1.5	7.20	1 3	3.3
R21951 Dup	24.3	29.5	2 3	3.1	5.84	0 126	0.16	< 0 02	0 55	< 0 02	< 0.02	1.18	96.9	164	264	43 9	150	20 4	3 3	14.3	1.5	7.01	1.2	3.1
R21964 Orig	35.5	35 3	2 8	2.4	1 54	0 250	0.33	< 0 02	0.36	< 0.02	< 0.02	0.99	120	265	391	61.8	202	25.4	4.1	16 2	1.7	7.77	1 4	3 3
R21964 Dup	33.6	33 8	2.9	2.3	1.43	0.224	0.32	< 0 02	0.35	< 0.02	< 0.02	0.95	99 8	258	374	58.7	197	24.6	4.1	17 0	1.7	7.48	1 3	3 2
R21978 Orig	24 4	54.2	1 4	2.2	4 55	0.273	0.29	< 0 02	0 29	< 0 02	< 0 02	0.82	62 5	268	492	70.2	247	35 1	6 1	24 3	2 5	12.3	2 1	5 3
R21978 Dup	23.8	52 3	1 3	2 2	4 69	0 255	0.29	< 0 02	0 31	< 0 02	< 0 02	0.82	63.4	266	484	67.7	242	33.9	6 0	23.9	2 5	12.1	2 1	5.2
R21985 Orig	30.2	58 8	2 7	2.6	4.18	0.224	0.32	< 0.02	0 51	< 0.02	< 0.02	1.09	105	341	707	89.3	309	41.4	8.8	26 4	2.8	12 6	2 2	5.7
R21985 Dup	29.1	55.3	2.4	2 4	3.89	0.215	0.31	< 0 02	0.46	< 0.02	< 0.02	1.05	106	333	676	82.9	278	37.6	8.2	25 6	2.6	12 5	2 2	5 6
Method Blank Method Blank	< 0.5	< 0 01	< 0 1	< 0 1	< 0.01	< 0 002	< 0.01	< 0 02	< 0 05	< 0 02	< 0.02	< 0.02	< 0 5	< 0.5	< 0 01	< 0.1	< 0.02	< 0 1	< 0 1	< 0.1	< 0.1	< 0 001	< 0 1	< 0.1

Quality Control

Analyte Symbol	Tm	Yb	Lu	Hf	Ta	W	Re	Au	Tl	Pb	Th	U
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm
Detection Limit	0 1	0 1	0 1	0.1	0 05	0 1	0 001	0.5	0 02	0 01	0 1	0.1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
GXR-1 Meas	0 3	1 9	0 2	< 0 1	< 0 05	154		3280	0 34	739		34.7
GXR-1 Cert	0.430	1.90	0.280	0.960	0 175	164		3300	0 390	730		34.9
DH-1a Meas											> 200	2560
DH-1a Cert											910	2630
GXR-4 Meas	0.1	0.8	0 1	0.2	< 0 05	13 0		557	2.83	48.9	23 1	5 4
GXR-4 Cert	0.210	1.60	0 170	6.30	0.790	30 8		470	3 20	52.0	22 5	6.20
LKSD-1 Meas												
LKSD-1 Cert												
GXR-6 Meas	0.1	0.6	< 0.1	< 0.1	< 0 05	< 0.1		41.9	1 68	99 0	6.7	1.5
GXR-6 Cert	0.0320	2.40	0 330	4.30	0 485	1 90		95 0	2 20	101	5.30	1 54
LKSD-3 Meas												
LKSD-3 Cert												
OREAS 13b (4-Acid) Meas												
OREAS 13b (4-Acid) Cert												
R21873 Orig	0 4	2 0	0.3	< 0.1	< 0 05	< 0.1	< 0.001	2 3	0 26	5.46	4 9	1.5
R21873 Dup	0.3	1 9	0.3	< 0 1	< 0 05	< 0.1	< 0.001	1 0	0.24	4.99	3.9	1.6
R21887 Orig	0.5	2 9	0.5	< 0 1	< 0 05	< 0.1	< 0.001	0 6	0 42	8.82	13.7	3.3
R21887 Dup	0.5	2 9	0 5	< 0 1	< 0 05	< 0 1	< 0.001	1 3	0 41	8 81	14 3	3.4
R21900 Orig	0 5	2 8	0.5	< 0 1	< 0 05	< 0.1	< 0.001	1 4	0.79	15.6	24.0	3 1
R21900 Dup	0.5	2.8	0 4	< 0 1	< 0 05	< 0.1	< 0.001	< 0 5	0 75	15.1	25.0	2.9
R21914 Orig	0.3	1.7	0 3	< 0 1	< 0 05	< 0 1	< 0.001	0 7	0 78	14.8	32 1	2.1
R21914 Dup	0.3	1.5	0.2	< 0 1	< 0 05	< 0 1	< 0.001	0 8	0.72	16.0	31 1	1.9
R21937 Orig	0 5	3.0	0 4	< 0.1	< 0 05	< 0.1	0.002	2.3	0.88	16 7	35 0	4.7
R21937 Dup	0 5	3.1	0 5	< 0 1	< 0.05	< 0 1	0.003	2 5	0.89	17 8	37.2	4.8
R21951 Orig	0 5	2.6	0.4	< 0 1	< 0.05	< 0.1	0.001	2.1	0 25	7 49	15.8	12 3
R21951 Dup	0.4	2.3	0.3	< 0 1	< 0 05	< 0.1	< 0.001	1 4	0 23	7 23	15 2	12.0
R21964 Orig	0 5	2.4	0 3	< 0 1	< 0 05	< 0.1	0.001	1.1	0 28	6.46	8 1	12.0
R21964 Dup	0 4	2 4	0 3	< 0 1	< 0 05	< 0 1	< 0.001	1 1	0.27	6.51	7.8	12.0
R21978 Orig	0 7	4 2	0.6	< 0.1	< 0.05	< 0.1	0 001	0.9	0 12	6.13	6.9	31.4
R21978 Dup	0.7	4 0	0.6	< 0 1	< 0 05	< 0.1	0.001	1 2	0 11	6.05	7 4	31.6
R21985 Orig	0.8	5 1	0 8	< 0 1	< 0 05	< 0.1	0.002	< 0 5	0 26	8.95	11 2	26 9
R21985 Dup	0.8	4.5	0 7	< 0.1	< 0.05	< 0.1	0.001	< 0 5	0 23	8.03	10 1	26.3
Method Blank Method Blank	< 0.1	< 0.1	< 0.1	< 0.1	< 0 05	< 0.1	< 0.001	< 0 5	< 0 02	< 0 01	< 0 1	< 0.1

Quality Analysis ... **Actlabs** *Innovative Technologies*

Date Submitted: 11-Nov-10
Invoice No.: A10-8283
Invoice Date: 30-Nov-10
Your Reference: 30261-6 Azimut

Techni-Lab Abitibi Inc.(Actlabs)
184 Rue Principale
Ste-Germaine-Boule Quebec J0Z 1M0
Canada

ATTN: Andre Caouette

CERTIFICATE OF ANALYSIS

105 Pulp samples were submitted for analysis.

The following analytical packages were requested: Code 4F-LOI LOI
Code UT-1-0.5g Aqua Regia ICP/MS

REPORT **A10-8283**

Notes:
Assays are recommended for values >10,000 for Cu and Au.

CERTIFIED BY :

Emmanuel Eseme , Ph.D.
Quality Control

ISO/IEC 17025
SCC Accredited
LAB 266

LAB 266
Accrédité CCN

ACTIVATION LABORATORIES LTD.

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Activation Laboratories Ltd. Report: A10-8283

Analyte Symbol	LOI	Li	Be	B	Na	Mg	Al	K	Bi	Ca	Sc	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Rb
Unit Symbol	%	ppm	ppm	ppm	%	%	%	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit		0.1	0.1	1	0.001	0.01	0.01	0.01	0.02	0.01	0.1	1	0.5	1	0.01	0.1	0.1	0.01	0.1	0.02	0.1	0.1	0.1	0.1
Analysis Method	GRAV	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
R21989	1.43	7 2	0.1	< 1	0.028	0 28	0.56	0 17	0.03	0.30	1 1	12	55 0	127	1 16	3 9	5 7	8.44	22 2	2.71	< 0.1	0.4	0 3	11.1
R21990	6.71	5.0	0.2	1	0 030	0 21	0 56	0 08	0.05	0 34	1 5	16	24 2	95	0.87	3.1	6.9	14 2	33 0	2.28	< 0.1	1.2	0 6	5 5
R21991	21.14	4 3	0.3	7	0 053	0.20	1.22	0.08	0.06	0.47	1.8	20	37 0	105	1.57	4.0	11.3	46.0	43.1	2.50	0.2	1.0	1.5	5 7
R21992	24 95	4.2	0.4	3	0 047	0.14	1 43	0 06	0.06	0.44	1.5	20	24.9	68	2.45	4.5	11.2	50.3	47.1	2.33	0.2	1.0	1.5	3 9
R21993	14 75	4.7	0 4	3	0 051	0.21	1.28	0 09	0.08	0.33	2 1	24	41.7	367	9.48	24.2	11.6	45.1	86.4	2.68	0.2	1 6	1 9	7.3
R21994	11.36	4.4	0.2	2	0 042	0.19	0.66	0.07	0.04	0.38	1.7	20	26.6	83	0 97	2.7	8.1	34 5	63.8	2.40	0.1	1 9	0 7	5 8
R21995	12.79	4.3	0.3	3	0 036	0.22	0.92	0 08	0 06	0 28	1.5	26	33 9	121	2.41	4.9	9.0	32.0	59.6	2.84	0.1	3.6	1 2	6 3
R21996	9.41	4 0	0.3	2	0.044	0 22	1.10	0 08	0.08	0 20	1.7	24	33 8	174	3.06	5.7	8.1	32.5	59.6	3.09	0.2	2.7	1.2	6.0
R21997	10.76	3.9	0 2	< 1	0.029	0.21	1.01	0.08	0.07	0.22	2 0	19	18 3	135	3 05	4.5	7.1	37.8	51 7	2 77	0.1	2.4	0.8	5.7
R21998	19.59	4.4	0 2	4	0.037	0.20	0.88	0.07	0 06	0.33	1 4	15	16.7	100	1 46	3 8	10 7	27.7	45.0	2.48	0.1	1.3	1.0	5.3
R21999	35.01	5.0	0 4	3	0 040	0.13	1.49	0 07	0 05	0.37	1 1	11	33 1	53	0 57	4.0	22.2	116	99.1	1.84	0.3	2.4	1.8	6.2
R22000	16 69	5 5	0 3	3	0.037	0.22	1 45	0.08	0.09	0.28	1.9	22	23 9	919	6 68	33.4	17.5	68.1	72.3	3.09	0 2	2.5	2.5	6.5
R22001	18.53	5.5	0.7	2	0.028	0.23	2.37	0 11	0.09	0.22	1.9	22	29 9	242	5 12	13.8	10.0	103	71.5	3.18	0 3	2.0	2.4	8 0
R22002	23.64	8.7	0.3	2	0.056	0 34	1.37	0 19	0.09	0.41	2.8	24	23 7	139	2 05	7.2	20.1	120	104	3 65	0.2	1.9	1.8	14.9
R22003	11.68	4.7	0.1	1	0.037	0 23	0.67	0 09	0.05	0.42	1.9	18	26 2	99	0 90	2.9	9.5	21.8	30 0	2.67	< 0.1	1.5	0 7	5 6
R22004	21.60	9.8	0.4	1	0.046	0 33	1.47	0 21	0.07	0.38	2.7	22	26 4	119	1.22	7.4	24 4	154	163	3 43	0.4	1.7	1 9	16.6
R22005	19.60	5.8	0.3	1	0.035	0 20	0.93	0 08	0.05	0.36	1.7	16	28 9	81	0 90	3.7	12.4	43.6	63.7	2.52	0.2	1 6	1 2	6.3
R22006	17.42	8.4	0 3	7	0.047	0 30	1.12	0 11	0.14	0.36	2.3	30	36 6	124	2 58	6.0	16.3	55 9	78 8	3.32	0.3	3 5	1 5	8 9
R22007	22.95	4.5	0.3	2	0.043	0.16	0.85	0 06	0.05	0 37	1.4	14	24 2	53	0.46	4.0	19 3	70.3	59 6	1 91	0.5	3.1	2 0	5 0
R22008	35.43	27.5	0.5	7	0.052	1 05	2.30	0.24	0.32	0.77	5.0	36	45.7	329	2 77	18.8	49.3	250	229	6.42	0.5	5 1	3.1	23.6
R22009	36.68	4.8	0.7	6	0.037	0.11	2.18	0 06	0.07	0.41	0.9	8	23.6	53	0.54	15.4	69.9	142	114	1.66	0.8	4.8	3 2	4 8
R22010	4.32	8.9	0 2	< 1	0.036	0.30	0 81	0 14	0.14	0 38	2.4	22	34 9	455	2 60	17 6	11.5	31.4	37.1	2 96	0.2	1.7	0.6	9.7
R22011	34.92	3.1	0.6	2	0.032	0.08	2.13	0.05	0.04	0.29	1 3	7	17.6	33	0.39	3.0	17.6	162	47.4	1.30	0 6	2.1	2.5	4.1
R22012	25 85	7 7	0.6	3	0.038	0 26	1.83	0.12	0 08	0.36	1.9	19	22.0	91	1.01	4.8	18.1	117	85.1	2.84	0 5	1 9	2.8	9 1
R22013	2 01	8.4	0.1	< 1	0.033	0.37	0.79	0.19	0.06	0.33	1.4	16	57 7	159	1.38	4.6	6 4	9.98	25.7	3.37	< 0.1	2.1	0.2	12.5
R22014	18 39	5.5	0 3	3	0.041	0.24	1 40	0.10	0 08	0 31	1.6	22	28 4	143	2.49	6 8	13 9	71 6	129	2.85	0.3	2 7	1.5	6 6
R22015	5.13	6 0	0 2	< 1	0.029	0.26	1.08	0 11	0.08	0.25	2.2	21	28 9	140	2 66	4.8	8.3	37.6	47 7	3.07	0.1	2.7	0 7	7.8
R22016	10.37	6 2	0 2	2	0.038	0.29	0 99	0.09	0 07	0 40	2 2	18	19 4	131	1 09	3.6	10 3	24.5	37 2	3.31	0.1	1 4	0 9	6.7
R22017	14 80	5 2	0 3	1	0.033	0.23	1.44	0 08	0 09	0.27	2.1	21	25 5	1760	6 67	41.8	14 4	55 7	58 8	3.08	0.2	1.9	2.0	7.0
R22018	34 72	2.8	0.5	5	0.033	0 08	1.94	0 05	0 06	0.38	1.0	17	21.3	40	0 82	3.7	18.7	142	60.3	1 84	0.3	2 6	2 7	3 6
R22019	17.23	5.0	0.4	5	0.042	0 23	1.28	0 09	0.09	0 24	1.7	28	37.3	224	3.82	10.1	12.6	55 2	100.0	3 20	0.2	2 8	1 9	6.9
R22020	11 71	5 5	0.3	2	0 049	0 30	1.30	0.10	0 08	0 27	2.2	29	31 5	156	3.62	6.7	10.7	35 4	73 8	3.86	0 2	3 0	1.2	7.4
R22021	14.07	4 8	0.2	1	0.042	0.24	0.88	0.09	0.06	0 39	1.9	15	28 0	108	1.11	4 6	11.0	43 7	75 8	2.74	0.1	1 0	1.0	6.6
R22022	18.13	3 3	0.4	1	0.037	0.16	1.36	0.06	0.06	0.31	1.5	22	24.9	80	1.90	3.2	9 5	49 1	46.4	2.54	0 2	2 5	1.3	4.3
R22023	15.40	3.7	0 2	1	0.045	0.22	1.03	0.07	0.06	0.35	1 6	18	37 9	94	1.28	3.4	9 0	36 5	74.1	2.97	0.2	3.1	1.0	5 4
R22024	25.62	3.5	0 3	3	0.047	0.20	1.28	0.07	0.07	0 27	1.4	22	22.2	89	2.40	4 6	13 3	61 6	66.6	2.82	0.2	3 4	1.3	5 2
R22025	18.51	3.8	0 2	2	0.040	0 21	1.03	0.07	0 06	0.30	1.3	18	25.1	110	1 20	4 1	9 4	35.2	62 3	2 68	0.2	2 7	1.2	5.1
R22026	21 35	4.9	0 3	3	0.052	0.26	1 09	0.09	0.06	0 36	1.6	20	25 6	107	1 25	4.1	11.5	55.8	81.1	3 05	0.2	2 2	1 0	7.0
R22027	17 87	3 5	0 2	3	0.040	0.19	1.03	0 07	0.04	0.34	1.4	19	31 5	82	1.23	3.1	9.3	46 9	45.8	2 43	0.2	2.9	1 0	5.4
R22028	18 60	4.0	0.4	2	0.038	0 20	1.59	0.08	0 07	0.30	1.6	25	28.3	94	2.62	4.1	9.6	51 7	53.2	2.75	0.3	2 3	1.5	5.2
R22029	10.37	4.8	0.3	1	0.035	0.24	1.04	0.10	0.07	0.28	2.2	27	30.4	128	3.16	4.2	8.6	36 4	44.2	3 32	0.2	1 6	1 0	7 5
R22030	17.66	4.7	0.4	2	0.035	0 20	1.21	0.08	0.05	0.32	1.7	23	21.4	94	1.99	4.2	9.7	41.6	58 7	2 76	0.2	2.2	1 3	6.7
R22031	11.70	4.4	0.3	2	0.045	0.23	0.88	0.08	0 05	0.39	2.1	26	35 5	100	1.46	3.0	8.5	35 3	62.2	3.04	0.2	3.1	0 9	6 2
R22032	10.25	5.4	0.4	1	0.041	0.27	1 60	0.11	0 12	0.24	2.4	27	29 6	286	4.76	12.4	10 9	58.2	67.3	3 79	0.3	4.0	1 0	8 1
R22033	8.98	4.6	0 3	< 1	0.035	0.24	1.25	0.09	0 10	0.23	2 1	25	44 8	163	2 63	7.6	8.5	40 7	51 7	3.42	0 1	2.8	0.7	7.0
R22034	7.65	4.4	0.3	< 1	0.040	0.26	1.09	0.08	0 07	0 26	2.5	27	25 0	402	4.46	12.3	7.8	27 8	46.3	3.68	0.2	2.9	1 0	6 9
R22035	10.89	9.2	0.3	< 1	0.057	0 43	1.44	0 20	0.08	0.40	3 2	30	24.6	168	1.65	6.2	14.5	84.2	135	5 13	0 2	3.2	1.0	18 2
R22036	15.68	4.5	0.4	2	0.057	0 25	1.40	0 09	0.08	0.33	2.5	31	28.6	213	6.05	13.6	10.5	41.0	78.8	3 61	0.3	3.5	1.5	7 0
R22037	7.69	5.4	0 2	1	0 032	0.23	0.84	0.09	0.07	0.26	1 6	24	38.3	132	1.48	4.2	8 4	44.6	59 1	3.08	0.1	3 1	0.8	7.2
R22038	2.16	7.6	0.1	< 1	0.037	0.37	0.73	0 16	0 03	0.30	1.3	19	53.4	154	1.28	4.1	6 2	10 4	27.9	3 76	< 0.1	2 9	0 1	11.7
R22039	6.34	4.8	0 2	1	0 033	0.25	0.93	0 09	0.07	0.22	1.8	22	31.9	142	1.79	4.6	7 8	29 7	39.8	2.97	0.1	3.4	0 9	6.4
R22040	8 18	4.6	0 2	< 1	0 035	0.25	0.97	0 09	0 07	0 23	1.9	18	26 6	634	3 58	16.8	8 0	31 9	35 9	3 01	0 1	3.8	0.8	6 5

Activation Laboratories Ltd. Report: A10-8283

Analyte Symbol	LOI	Li	Be	B	Na	Mg	Al	K	Bi	Ca	Sc	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Rb
Unit Symbol	%	ppm	ppm	ppm	%	%	%	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit		0 1	0.1	1	0.001	0.01	0.01	0.01	0.02	0.01	0.1	1	0 5	1	0 01	0.1	0.1	0 01	0.1	0.02	0.1	0.1	0.1	0 1
Analysis Method	GRAV	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
R22041	6 88	4.8	0 2	< 1	0.026	0 20	0.76	0 08	0.07	0.28	1.6	14	29.3	104	0.95	2 8	6 9	19.5	28 0	2.39	0 1	1 7	0.6	5 7
R22042	6.76	6.6	0 2	2	0.032	0 26	1 03	0.11	0 07	0.26	2.3	25	30 2	163	2 14	5.3	9.3	43.9	41 7	3.11	0.2	1.9	0.8	8 3
R22043	27 74	7 2	0 6	3	0.041	0 30	1.71	0.12	0 08	0.33	1.8	19	27.0	84	1.07	5.6	38.9	164	268	3.49	0.4	3.0	3.0	10 2
R22044	8.90	5.3	0 3	3	0 040	0.24	1.11	0 09	0 07	0.22	1.9	26	41 5	155	2.19	5.0	9 1	42.0	56.6	3.15	0 2	3 4	0 8	6 8
R22045	5 04	5 9	0.2	< 1	0.034	0.25	0.74	0.10	0 07	0.28	2.1	22	31 3	107	1 04	3 2	9.8	24.2	33 0	2.96	< 0.1	3.0	0.5	7 3
R22046	15.35	9 0	0 3	2	0.043	0.32	1.31	0.14	0 07	0.31	2.0	27	26.0	111	1 43	4 9	25.2	63.0	97 2	3 59	0 2	3 1	1.2	10 5
R22047	4.54	7 1	0.2	1	0.036	0 29	0.86	0.11	0 06	0.27	2.3	25	47.5	357	1.82	8.9	9 5	31.5	35 3	3.25	0.1	3.4	0 4	8 6
R22048	7.33	7.7	0.2	< 1	0.034	0 30	0 88	0.11	0.08	0.22	2.1	25	34.2	422	2.82	11.5	10 0	36 1	40.4	3.26	0.2	3.0	0.8	8 6
R22049	29 22	4.7	0 4	3	0 043	0.20	1 58	0.08	0 08	0.28	1.4	25	25 6	100	2 04	6.7	22 0	92.5	187	3.01	0.3	3.9	1.7	7 3
R22050	5.64	6.7	0 2	< 1	0.037	0.31	0.97	0 12	0.07	0.25	2.2	23	29 8	191	1 48	7.1	12 8	24.6	44 8	3.39	0 1	2.6	0.5	9.1
R22051	5 56	6.9	0.2	< 1	0 040	0.33	1.09	0 13	0 07	0.27	2.3	22	52.6	718	2.11	16.4	12.6	26 0	41 1	3.62	0 1	3 1	0.5	9 5
R22052	9 35	8 8	0.3	< 1	0.038	0 39	1 79	0 16	0.09	0.30	2.9	29	28.6	285	3.14	11.5	24.0	52 8	68 0	4.22	0 2	2.7	1.1	12 1
R22053	29 48	7.0	0.5	4	0.036	0.23	1 68	0 12	0.10	0 29	1 8	28	38 5	104	3.14	6 2	23.7	134	112	3 29	0.3	1.5	2.6	10 4
R22054	15.59	7.8	0.5	2	0.052	0.34	1.87	0 12	0.11	0 32	2 9	31	33.7	174	4.05	9.1	16 1	72.9	92.6	4 34	0 2	2 8	1 7	10 4
R22055	12.78	6 5	0.4	3	0.039	0 29	1.56	0.11	0.08	0 29	2 0	27	38.0	185	1.77	5.0	10.0	70.4	64 8	3 48	0.2	2.4	1.4	8.6
R22056	17.34	5 4	0.4	3	0.036	0.21	1.57	0.08	0.09	0 19	1 9	24	26 6	4380	10.7	68.5	14 8	107	64 7	3 19	0 3	4.2	2 0	7 6
R22057	19.01	5.7	0.4	5	0 047	0.27	1 41	0 10	0.08	0.30	1 9	25	28 4	151	2.87	7.5	14 3	79.9	93 4	3 37	0.2	2 8	1.4	8.0
R22058	68.14	2 9	0.3	3	0 030	0.11	1 09	0 05	0.06	0 24	0.7	23	15 8	48	0.85	2.7	11.1	93.9	32.3	2 51	0 2	2 3	1 2	5.5
R22059	11.48	6.9	0 3	3	0 038	0 31	1.33	0.09	0 08	0.32	2.6	31	32 2	141	2.22	4.8	11 0	47 0	65.6	4 15	0.2	2 2	1 1	7.5
R22060	25 88	4 8	0 5	6	0.034	0.19	1 57	0 08	0 06	0 27	1 0	21	23 9	87	1.50	4.2	12 8	86 0	90 3	2 73	0 3	2 2	1 5	6 5
R22061	18.33	5 1	0 5	4	0.039	0.26	1.77	0 09	0 09	0.26	2.2	29	33.2	141	4.45	6.1	12 5	63 1	108	3.73	0.3	2 9	1.8	7 2
R22062	20 41	5.1	0.5	2	0.050	0.29	1 80	0 11	0 12	0.32	2 2	24	25 8	141	4 33	6.3	15 2	52 0	101	3.72	0 3	3.3	1 6	8 2
R22063	14 20	7 2	0.3	2	0 053	0.38	1.43	0.18	0.13	0.42	2.9	25	28.2	170	3.25	12 3	18.0	54 6	88 0	4.28	0 2	1 9	1 6	13 8
R22064	16 47	5 2	0.3	3	0.032	0.19	0.92	0 08	0.08	0 28	1 4	16	28.8	81	1.14	4 4	22.5	63 3	141	2.15	0 2	2 7	1 5	5 6
R22065	23.36	4 5	0.3	3	0.042	0.20	1.05	0 07	0.06	0.29	1.2	19	27.4	72	0.77	2 8	12.6	67.9	79.1	2.64	0.2	1.9	1 3	5.7
R22066	2.00	7 3	0.1	2	0.038	0 35	0.74	0 15	0.03	0 29	1.2	18	56 1	144	1.12	3 6	5 8	9 46	27 8	3 63	< 0.1	2.2	0 1	11 1
R22067	7 93	6.1	0 3	2	0.041	0.30	1.09	0.10	0.05	0.31	2.5	30	35 0	134	1.59	3.5	10.1	27 6	60.4	3 71	0 2	2 4	1 0	8 4
R22068	16.45	5 3	0.4	4	0 043	0.29	1 12	0.09	0.06	0.30	2 2	33	30 1	117	1 70	3.5	16.4	57.8	136	3.65	0 2	2.8	1 3	6.8
R22069	26.19	10 9	0.9	5	0.042	0 36	2 00	0 15	0.11	0 29	1 9	29	43 7	138	1.89	5 6	34 0	143	92.0	4.10	0 5	2 6	2 5	14 2
R22070	34 82	6 0	0 8	6	0.042	0 23	2.29	0.10	0.07	0.28	1 6	24	24 0	104	2.48	5 4	17 8	131	80.7	3.24	0.5	2 3	2 6	10 0
R22071	28 57	7.3	0 4	2	0 038	0.23	1.81	0 12	0 02	0 26	1.5	16	23.8	90	0 67	5.2	18.2	106	97 4	2 99	0.5	2.3	1 7	12 4
R22072	31 13	13 9	0.8	5	0 053	0.44	2.71	0.23	0.05	0.32	2 6	28	38.9	155	2 19	7.1	31 6	208	165	4.68	0 8	2 4	3.2	23 2
R22073	30.07	16 8	0 7	7	0 048	0.54	3.19	0 32	0.03	0.26	2.6	27	29 3	194	2.68	8.7	19 7	113	99 3	6 03	0.6	2 3	2 5	35 3
R22074	22.34	11 9	0.6	2	0 041	0.46	2.30	0 24	0 05	0.32	3.0	28	26 4	252	5.17	15.3	15 4	136	114	4.80	0.7	1 0	2 4	23 7
R22075	25.42	13.3	0.7	3	0.039	0.47	2.01	0 29	0.04	0.38	2 7	27	30 5	227	2.48	10.4	18.1	120	212	4.58	0 6	0 4	2 4	27.5
R22076	22 55	11 4	0 7	4	0.043	0 40	1 91	0.22	0.04	0.31	2 5	30	33 7	182	2.79	6 5	13.8	99.3	97 2	4.30	0 6	1.0	2 1	21.8
R22077	33 67	5.2	0 5	4	0.040	0.21	1 77	0 11	0.04	0 22	1 4	20	24.3	93	3.51	5 1	12 7	78 9	93 6	2.68	0 6	2 2	2 3	11.0
R22078	23 47	11 9	0 7	8	0.043	0.52	2.18	0 25	0 05	0.28	2 4	31	27.0	274	3 33	8.7	13 5	89 4	109	5.28	0 6	2.1	2.3	24 6
R22079	26 28	13 1	0.6	3	0 054	0 43	2.07	0 24	0.06	0.22	2.8	25	24 6	144	1 60	6 9	15 3	192	115	4.56	0 7	2.3	2.4	25 4
R22080	15 14	8 2	0.6	4	0.035	0.29	1.75	0 14	0.08	0.24	2 0	25	33 9	143	2.36	4.8	9 0	81.8	64.2	3.43	0.4	2 0	1 9	13 2
R22081	29.17	8 5	0.9	6	0 043	0.30	2.22	0 14	0.07	0.26	1.7	25	26 4	131	2.44	4 8	13.3	112	99.7	3.64	0.6	2.3	2.4	14 1
R22082	21.90	12.8	0.6	4	0 060	0 51	2 49	0 22	0.07	0 37	3.3	34	33 5	296	5.76	10 5	14 2	94.5	90.9	5 66	0.5	2 2	2 9	22 2
R22084	35.34	8.1	0 7	4	0.045	0 28	2 28	0.14	0 03	0.31	1.7	19	24 0	111	1.17	5.1	19.0	150	125	3 38	0.8	1 9	2 9	13 0
R22085	30.44	4 9	0.5	4	0.028	0.16	1.78	0 08	0 02	0.29	0.8	14	16 5	61	0.75	3.9	12.4	117	53.9	2.26	0.5	1.9	1.7	7.4
R22086	21.90	20 7	0 8	3	0.041	0.59	3.19	0 33	0.08	0.33	4 0	34	51.9	252	4.26	12.1	30.4	176	95.3	5.93	0.7	1 5	2.6	31.5
R22087	28.86	8 9	0 6	5	0 039	0.26	1 84	0 14	0.03	0.34	1 6	18	28 8	107	1 01	5.0	18.4	103	68 3	3.10	0.5	1 0	2.1	13.8
R22088	25 75	6.1	0 4	2	0.039	0.20	1.12	0 10	0.04	0 30	1 2	14	18 2	73	0 50	2.5	11 8	70.8	75 5	2 23	0 3	2.2	1 1	9.7
R22089	26.62	12.2	0 8	5	0 048	0 43	2.33	0 19	0 13	0 36	2 4	23	33 7	149	1.39	5 3	21 8	169	79.0	4.14	0.6	1 8	2.3	18 9
R22090	23 55	8.3	0 6	8	0 042	0.31	1.75	0 13	0 12	0 23	1.4	23	39.4	241	3.11	7.8	14 7	111	93 9	3 46	0 5	2 2	2 1	12.5
R22091	10.68	8 4	0.4	4	0.040	0.33	1.24	0 13	0 10	0.30	2.3	24	34 5	136	1.44	3 2	8.0	52.2	42.5	3.49	0 3	1 6	1 1	12 0
R22092	16.72	10 1	0.5	6	0.043	0 35	1 40	0.15	0.09	0.31	1 8	23	40 7	140	1 05	3.7	11.7	78 3	56 4	3 64	0 4	2 7	1.5	13 4
R22093	15.96	7.8	0 5	5	0.050	0 37	1.41	0.15	0.07	0.40	2 5	29	33 9	160	2.10	5 5	13 6	84 9	81.1	3 95	0 3	1.9	1.3	12 8

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Analyte Symbol	LOI	Li	Be	B	Na	Mg	Al	K	Bi	Ca	Sc	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Rb
Unit Symbol	%	ppm	ppm	ppm	%	%	%	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit		0.1	0 1	1	0.001	0.01	0.01	0 01	0.02	0.01	0.1	1	0.5	1	0.01	0.1	0 1	0.01	0.1	0 02	0.1	0 1	0 1	0.1
Analysis Method	GRAV	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
R22094	22.34	9 9	0 7	6	0.043	0.40	1.90	0 18	0 13	0.29	2.6	26	43 2	231	5 06	16.1	21.5	139	160	4.16	0.5	2.7	2 4	16.8

Analyte Symbol	Sr	Y	Zr	Nb	Mo	Ag	Cd	In	Sn	Sb	Te	Cs	Ba	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er
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	0 5	0.01	0.1	0 1	0 01	0.002	0.01	0.02	0.05	0.02	0.02	0.02	0 5	0.5	0.01	0.1	0.02	0 1	0 1	0 1	0.1	0 001	0.1	0 1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
R21989	34.5	3.23	1 7	2.3	4.10	0.011	0 02	< 0 02	0.41	0.03	0.03	0 48	26 4	18 9	40.2	3.8	13 3	2 2	0 4	1 6	0.2	1.02	0.2	0 4
R21990	28.0	7.23	1 2	1.5	1 91	0 056	0.18	< 0 02	0 36	0 04	< 0.02	0 32	26.0	39.6	83 6	9.0	31 9	4.6	0 7	3.2	0.3	1 81	0.3	0 8
R21991	33.0	18.7	1 2	1 6	2.95	0 208	0.28	< 0 02	0 34	0.06	< 0.02	0 41	49 7	139	239	27.6	96.2	12 6	1.8	8.3	0.8	4.36	0 7	1 9
R21992	28.4	18.6	1 2	1.4	2.18	0 192	0 23	< 0 02	0 27	0.06	< 0.02	0.35	44 6	149	273	29.1	100	12.8	1 8	8.4	0 8	4 42	0.8	1 9
R21993	27.0	20.9	2 6	1.3	3.56	0.207	0.42	< 0.02	0 34	0.05	0 04	0.56	46 5	123	315	24.3	83.1	10.8	1 6	7.7	0 8	4.44	0 8	2.2
R21994	29.2	11.1	1 2	1 7	2.09	0.089	0 45	< 0.02	0.33	0 03	< 0.02	0 37	35.0	65.7	130	14.1	50.1	6.9	1 0	4.5	0 5	2.51	0 4	1.2
R21995	23.9	13.6	1.1	1.3	2.52	0.109	0 25	< 0 02	0 35	0.06	0.02	0.44	24.8	77.4	149	15.7	55 8	7 5	1 1	4.8	0 5	2 69	0 5	1.3
R21996	25.0	15.9	1.6	1.2	2 89	0.085	0.09	< 0 02	0 39	0.04	0.02	0 51	32 2	85.0	176	18.3	65 4	9 2	1.3	6.2	0.6	3 30	0 6	1.6
R21997	25.0	13 9	1 3	1.2	2.93	0 063	0.13	< 0.02	0 34	0 04	0 02	0 46	24 3	78.1	165	17.2	62 7	9 0	1 3	6.4	0.6	3 09	0 5	1 4
R21998	27.2	12 2	1.1	1.4	1.27	0 137	0 20	< 0.02	0.35	0 04	< 0.02	0 46	32 9	76 5	135	14 4	51.1	7 1	1.1	5.1	0.5	2 76	0 5	1 2
R21999	28.3	23 6	0 7	0.9	2 67	0 282	0.53	< 0 02	0 16	0 07	< 0.02	0.59	46.5	166	320	37.3	136	18 3	2 6	11.5	1.1	5 78	1 0	2 4
R22000	25.3	18.0	1 9	0 9	3 70	0 226	0 56	< 0.02	0 31	0.05	< 0.02	0.70	36.7	108	253	21.9	75.9	10.6	1 6	7.5	0 8	4 18	0 7	1.8
R22001	22.5	23.5	8 2	1.2	7.41	0 166	0 08	< 0 02	0 29	0.05	< 0 02	0.88	33.6	145	332	33 0	121	16.4	2 4	11.3	1.1	5 75	1.0	2.5
R22002	35.1	21.7	2 3	1.8	6.94	0 301	0 43	< 0.02	0 31	0.10	0.03	1.08	68.4	120	210	25 6	93 3	13.5	2 0	9 5	1.0	5.03	0 9	2 2
R22003	34.4	9 04	1 5	1.8	1 84	0.070	0 13	< 0 02	0 32	0.03	0.02	0.45	36.3	41.4	86.4	9.2	34.0	5.1	0 9	3.8	0.4	2.15	0.4	1 0
R22004	35.7	33.3	1 9	1 6	5.61	0.306	0 61	< 0.02	0.29	0.07	0 02	1 32	77 7	187	339	50.1	170	24.1	3 8	15 3	1.6	8.04	1.4	3 6
R22005	32.6	19.0	1.2	1.7	2 33	0.156	0.29	< 0 02	0.31	0.03	0 03	0 65	43.0	103	189	20 6	76 4	10 8	1.8	7 6	0.8	4 13	0.7	1 9
R22006	32 3	25.1	1.8	2 1	6.18	0 211	0.24	< 0.02	0.48	0 10	0.02	0 80	29 3	122	218	24 9	89.5	12 8	2.1	8 5	0.9	5.06	0.9	2.5
R22007	24.5	39.8	0 7	0.9	3.61	0.279	0.33	< 0 02	0.17	0 06	< 0.02	0 61	26 7	242	308	55 2	187	26 0	4.2	16 1	1.6	8.01	1 4	3 4
R22008	30 2	55 2	5 5	2 1	4.07	0.432	0.79	< 0.02	0 56	0.08	0.04	3 97	17 5	203	208	41.4	161	25 9	4.6	19.9	2.1	10.7	1 8	4 4
R22009	22.5	78.4	0 5	0.9	2.94	0.592	0 62	< 0 02	0 13	0.08	< 0.02	0.75	33 1	375	664	89 9	318	51 6	9.1	38.4	3.8	18 8	2.9	6 5
R22010	35.5	15.6	1 4	1.3	5 29	0 034	0 08	< 0.02	0 48	0.06	0.03	0.88	25 1	68.4	163	16.0	59.6	9 3	1 8	6.9	0 7	3.85	0.6	1 7
R22011	25.3	45 4	0 4	0 9	1 77	0 494	0 44	< 0 02	0 11	0.05	< 0 02	0.45	37.1	284	526	67.1	222	32 2	5 5	22.5	2 2	11 2	1.9	4 6
R22012	30.1	40.4	1 0	1 4	2 90	0 343	0 46	< 0.02	0 27	0.04	0.03	0 97	50 3	194	360	45.2	165	24 3	4 2	17 0	1.7	8.62	1.5	3 9
R22013	35.5	3.67	1 9	2 5	4 06	0.014	0 04	< 0 02	0.50	< 0.02	< 0.02	0 57	25 9	22 8	48.7	4 6	16 3	2.7	0 5	2 0	0 2	1.18	0.2	0 5
R22014	26.0	19.3	1 2	1.3	3 52	0 252	0.48	< 0.02	0 32	0.08	< 0 02	0 63	40 4	102	172	20 3	74 7	10.8	1 8	8 1	0 8	4 15	0.7	1 9
R22015	25.5	10 0	1.3	1 2	5.75	0 078	0.06	< 0.02	0 34	0.03	< 0.02	0.58	26 7	44 3	100.0	12.0	45.2	8 9	1.1	4 9	0 5	2.49	0.4	1 1
R22016	36 7	8.98	1 5	1.5	1.38	0.096	0.23	< 0 02	0 39	0 03	< 0 02	0.58	40.0	45.7	87.1	10 0	36 2	5.4	0 9	4.1	0.4	2.14	0.4	0.9
R22017	27.9	18 6	1.9	0 8	3 81	0 269	0.37	< 0.02	0.30	0.04	< 0.02	0 68	45 7	101	255	20.1	69 2	10 0	1.5	7.4	0 8	4 21	0.7	2 0
R22018	28.9	31 2	0 6	0 9	3 02	0 389	0.72	< 0.02	0.13	0.06	0 04	0.36	63 0	166	322	38.6	140	19 5	2.8	11.9	1 2	6 74	1 2	3 2
R22019	27.0	19 1	1.6	1 3	3 58	0.163	0.48	< 0 02	0.36	0 07	< 0.02	0.53	42 3	103	198	20 6	71.2	9 9	1.5	6.5	0.7	3.67	0.7	1 9
R22020	32.3	16.7	1.7	1 6	2.60	0.108	0.23	< 0.02	0 45	0 04	< 0.02	0.60	35 9	93 8	187	18 7	66.8	9 5	1.4	6.7	0.7	3 47	0.6	1 7
R22021	34.3	11 7	1.4	1 6	1 95	0 119	0.34	< 0 02	0 32	0 04	0.02	0.47	41 3	71 0	137	14.6	52.8	7 7	1.2	5.6	0.5	2.86	0.5	1 3
R22022	27.1	17.8	1.0	1.5	2.30	0.156	0 35	< 0 02	0 28	0.03	< 0 02	0.39	38.5	96 8	195	20.7	75.3	10 8	1.6	7.7	0.7	4.01	0 7	1 9
R22023	32.3	12 6	1 1	1.7	3 13	0.115	0 43	< 0.02	0 33	0.05	< 0 02	0.47	38 2	69.3	138	14.9	54 9	8 0	1.2	5.5	0.5	2.81	0 5	1.3
R22024	24 7	16 5	1.3	1.2	2.69	0.314	0.35	< 0.02	2.93	0.04	0.02	0 47	39 9	99 0	179	20.3	73 7	10.2	1.4	6.9	0 7	3 48	0 6	1.7
R22025	26 3	13 0	1.0	1 1	1.76	0.129	0.36	< 0.02	0.27	0.04	< 0 02	0 45	34 4	81.6	136	16.4	60 2	8.4	1 2	5.7	0 5	2.75	0 5	1.3
R22026	29.7	16 2	1 3	1 4	2 13	0 167	0.46	< 0.02	0 31	0.04	< 0.02	0 58	42 2	109	177	22.1	80 0	10 7	1 5	6.9	0 6	3.36	0 6	1 6
R22027	27.7	15 1	0 9	1 5	2 08	0 130	0 28	< 0 02	0 27	0 03	< 0.02	0.34	44.9	91 0	181	19 5	71 6	10.1	1.5	6.8	0 7	3.45	0.6	1.7
R22028	23.9	20 6	1 2	1 4	2.48	0.175	0.32	< 0.02	0 31	0.02	< 0 02	0.41	38 6	135	261	28.9	106	14 5	2.1	10 0	1 0	4 88	0.8	2 2
R22029	30 3	11.3	1 4	1.6	2 33	0 087	0 19	< 0 02	0 41	0.02	0.03	0 56	31.3	72.0	143	14.7	51.9	7 2	1 1	5 1	0 5	2 76	0.5	1.3
R22030	30 1	17.4	1 0	1 3	1 92	0.135	0 28	< 0 02	0 30	0 03	< 0.02	0.41	46.9	99.3	198	21.3	74.7	10.2	1.5	7.0	0.7	3 95	0.7	1 9
R22031	35 1	13 4	1 2	1 7	2.40	0.113	0.26	< 0 02	0 38	0.03	< 0 02	0.38	33.8	75 3	147	16.1	57 2	7 8	1.1	4.9	0.5	2 76	0 5	1.4
R22032	30 4	21 0	1 8	1 1	5 82	0.059	0.06	< 0 02	0 40	0.05	0.02	0 76	42 1	111	237	25.0	89 8	12 7	1 8	8.5	0.8	4.34	0 8	2 1
R22033	26.9	12 0	1.3	1.3	4 20	0.078	0.18	< 0 02	0 36	0 03	< 0 02	0.67	27.7	46.3	137	14.5	56.4	8 7	1 2	5.4	0.5	2 82	0 5	1 4
R22034	34.4	13 0	1 8	1 2	2.38	0 115	0.16	< 0.02	0.43	0 03	< 0.02	0 48	32.4	63.0	160	14.5	51 8	7.4	1.1	5.0	0.5	2.74	0.5	1.4
R22035	41 2	15 2	2 3	2 0	5.12	0.171	0 63	< 0 02	0.47	0.10	0 04	1.20	76.7	97.1	176	22.0	80 9	11 1	1 5	6.7	0.6	3 37	0.6	1.6
R22036	38.4	22.7	3 4	1 8	2 17	0.164	0.32	< 0.02	0.41	0.04	< 0 02	0.49	56 3	122	280	26.7	95 7	13.1	1 9	8.6	0 8	4 59	0.8	2 4
R22037	26.4	12 2	1 2	1.3	4.85	0 089	0 40	< 0.02	0.35	0 06	< 0.02	0 57	26 3	67.7	139	16 0	58 6	8 3	1 2	5.1	0.5	2 58	0.5	1 3
R22038	36.6	3 77	1 9	2.5	3.82	0 013	0 04	< 0 02	0 54	< 0 02	< 0.02	0 50	26 9	20 6	46.6	4 7	16 6	2 7	0 5	1.8	0.2	1.12	0.2	0 5
R22039	26.8	11 4	1 3	1.3	2.37	0.052	0 09	< 0 02	0.39	0 03	< 0.02	0.53	25 6	51 1	121	12.1	44.3	6 6	1 0	4 5	0.5	2 37	0 4	1.1
R22040	28 6	10.7	1.4	0.9	2 45	0.058	0.13	< 0 02	0 40	0 03	< 0 02	0.54	27 9	49 0	127	11.4	41.9	6 4	1.0	4 7	0 5	2 42	0.4	1 1

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Analyte Symbol	Sr	Y	Zr	Nb	Mo	Ag	Cd	In	Sn	Sb	Te	Cs	Ba	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er
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	0 5	0 01	0.1	0.1	0 01	0.002	0.01	0.02	0 05	0 02	0 02	0.02	0.5	0.5	0.01	0.1	0 02	0 1	0.1	0.1	0.1	0.001	0.1	0.1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
R22041	25 5	10 0	1 2	1.3	2.06	0.037	0 06	< 0.02	0 33	0 02	< 0.02	0.50	22 7	49 2	103	12.3	45.2	6.8	1.1	5 0	0.5	2.49	0 4	1 1
R22042	29.4	14 2	1 2	1.0	3 34	0.064	0.04	< 0.02	0 36	0.03	< 0.02	0.67	28 0	53 0	140	15.3	56.7	8 6	1.4	5 7	0.6	3.29	0.6	1 6
R22043	33 5	42 8	1 0	1 2	5 55	0.510	0.65	< 0.02	0.25	0.04	0 03	1 20	62 9	153	271	36.1	147	24 3	4 4	17.4	1.7	8.58	1.5	4 0
R22044	27.6	15 0	1.3	1.1	3 79	0.042	0.09	< 0 02	0 45	0.05	0 03	0 59	26 3	53 8	139	16.5	62.1	9.4	1 5	6 1	0.6	3.30	0.6	1.7
R22045	29.8	8.34	1 6	1.4	2 49	0.046	0.08	< 0 02	0 38	0.03	< 0 02	0.54	27 9	32 3	72 9	8.8	33 0	5 0	0 8	3 3	0.3	1.87	0.3	0.9
R22046	32.0	18.9	1 4	1.2	2 04	0.141	0.50	< 0 02	0.32	0.03	0.03	0.85	50.0	82.1	159	19.0	71.2	10 6	1.7	7 0	0.7	3.86	0.7	2.0
R22047	30 3	11.8	1 2	0 8	3.56	0.020	0 08	< 0.02	0 41	0 05	< 0.02	0.63	24 4	45.0	141	13.4	50 2	7 5	1 1	4.9	0.5	2.59	0 5	1.3
R22048	24 7	14 6	1 4	1 4	2.84	0 052	0.07	< 0 02	0 52	0.05	0.03	0.74	23 5	67.9	141	16 3	55 3	8 3	1 3	5.4	0.6	2 96	0.5	1 5
R22049	27 6	26.8	1 1	1 4	5 52	0.356	0.50	< 0 02	0.25	0.06	< 0.02	0.64	45.6	136	273	32.1	118	17.3	2.5	11 5	1.1	5.94	1.0	2 8
R22050	29 3	10.8	1 3	1 2	1 94	0 044	0 09	< 0.02	0.40	< 0.02	< 0.02	0 88	34.9	41.3	117	10.9	40.6	8.3	1.0	4.3	0.4	2.35	0 4	1 2
R22051	33.7	11.1	1.3	0.9	3.88	0.014	0 05	< 0.02	0.39	0.03	0 02	0 66	28.3	30.9	127	11.1	44 0	7 2	1.2	5.1	0.5	2.69	0 5	1 3
R22052	32.3	18.6	1.4	1.3	3 19	0.113	0 19	< 0.02	0 46	0 04	0 03	1.00	41.2	80.8	210	19.6	74 1	11.8	1 9	8.8	0.9	4 65	0.8	2.1
R22053	28.0	32.3	1 4	1.4	7 83	0 514	0.63	< 0.02	0 30	0.08	0.04	0.88	53 9	148	284	32.2	118	17 5	2 8	12.5	1.3	7 02	1 2	3.2
R22054	35.2	22.6	1.7	1 9	3 22	0 347	0.39	< 0.02	0.44	0 05	0.02	0.85	47.6	108	236	25.0	91.2	13 7	2 1	9.0	0.9	4.73	0 8	2.4
R22055	31 9	22.0	1 3	1.3	2.90	0 096	0.14	< 0.02	0 38	0 04	< 0.02	0.64	37.0	90.0	231	21.9	80 9	12 2	1 9	8.3	0.8	4 36	0.8	2.3
R22056	23.4	24 4	3 0	0.7	5 54	0 263	0.31	< 0.02	0.30	0 05	< 0.02	0.64	47.8	114	272	25.4	91.7	13.3	2.1	9.3	1.0	4.92	0.9	2 6
R22057	31.8	20 4	1.4	1.5	2 76	0 223	0.32	< 0.02	1.17	0 07	< 0.02	0.57	40.1	102	187	22.3	81 6	11.8	1.8	8.0	0 8	4.02	0.7	2 1
R22058	27.5	19 0	2 2	1 3	0 68	0.169	0.26	< 0 02	0 25	0 08	< 0.02	0.54	48.5	93 4	195	22.2	84 1	12 8	2.2	8.2	0 8	4.17	0.7	2 1
R22059	36 7	15 3	1.5	1.8	2.14	0.116	0 20	< 0 02	0 46	0.05	< 0.02	0.67	30 6	79 5	161	17.7	63 8	9 0	1.4	5.9	0 6	3.13	0 6	1.6
R22060	26 4	23 3	0.6	1 1	2 17	0 218	0 47	< 0.02	1 01	0 06	< 0.02	0.53	43 7	132	242	29 6	109	15 4	2 3	9.8	0.9	4.65	0 8	2.4
R22061	30 9	23 8	1 7	1 7	2 87	0.171	0.28	< 0 02	0 45	0 06	0.02	0.59	41 2	123	249	27.7	101	14 5	2.1	9 7	1.0	4 92	0 9	2 5
R22062	33.1	20.7	1.6	1.7	1 95	0 228	0.33	< 0.02	0 43	0 08	0.02	0.71	44 2	116	216	24.1	87.2	12 6	1 9	9.0	0.9	4 46	0 8	2 2
R22063	39 7	14.1	2 1	2.0	7.45	0 226	0.26	< 0.02	0 43	0 06	< 0.02	0.79	50 8	94 7	166	18.2	64.1	8.9	1 3	6 5	0.7	3 20	0 6	1.5
R22064	24.7	17.4	0 9	1 2	2 61	0.179	0.60	< 0.02	0 33	0 08	< 0.02	0 62	29 8	87 5	158	18.9	67.8	10 3	1 6	7.5	0.8	4.05	0 7	1 9
R22065	29.6	18 6	0.6	1 1	1 88	0 227	0.45	< 0 02	0 27	0 05	< 0.02	0 47	43 3	107	200	23.6	85.0	11.8	1 7	7 5	0.8	3.80	0 7	1 9
R22066	37.7	3.46	1 4	2 0	3.69	0 016	0.05	< 0.02	0.55	< 0.02	< 0 02	0.46	23.8	19 4	42 6	4.3	15.4	2.5	0.4	1 7	0.2	0.987	0.2	0 5
R22067	37.9	14 7	1.6	1 5	3.08	0.041	0.19	< 0 02	0.49	0 04	< 0 02	0 56	26 6	71.7	126	16 5	60 5	8 7	1.3	5 5	0.6	2.93	0.5	1 5
R22068	34.5	16 8	1.6	1 8	3.41	0 115	0.61	< 0 02	0.43	0.05	< 0 02	0.50	30 2	94 0	155	20.6	75.0	10.4	1 5	6 7	0.7	3.34	0.6	1 8
R22069	35.9	45.5	1.4	1 6	5.44	0.283	0 71	< 0 02	0 39	0.04	< 0.02	1.32	48.4	216	391	55.9	184	27.2	4.5	17 3	1.8	8.83	1.6	4 5
R22070	34.5	48.3	1.3	1 5	6 64	0.359	0.36	< 0 02	0.30	0.07	< 0.02	0 80	58 3	238	450	62.6	213	30.6	5.2	18 7	1.9	9.66	1.7	4.9
R22071	33.0	37.7	0.9	1 3	2.33	0.284	0.33	< 0 02	0.22	0.02	< 0 02	0 83	59 6	242	445	65.8	222	31.7	4 8	18 3	1.8	8.55	1.5	4 0
R22072	39.2	50.9	2.3	2 1	13.1	0.397	0.73	< 0 02	0 42	0.03	< 0.02	1 41	20 0	355	603	93 4	316	43.8	7.2	24 4	2.3	10 7	1.9	5 0
R22073	29.0	47.6	1.8	2.2	4 71	0.568	0.39	< 0.02	0 39	0 02	< 0 02	1.47	108	300	508	73.2	244	34 7	5 4	22 6	2 2	10 8	1 8	5 0
R22074	36.8	45.6	1 9	2.1	2 79	0.353	0.31	< 0.02	0 45	< 0 02	< 0.02	0 96	86 5	345	641	78.8	248	33 2	5.5	21.8	2.2	10.4	1.8	5.0
R22075	36.3	47.5	1 8	1 9	5 52	0 377	0.62	< 0.02	0 44	0 04	< 0.02	1.10	76 9	320	463	75.3	233	31 7	4 7	20.2	2.1	10.1	1 8	4.8
R22076	32.3	45.2	1.4	1 6	5 00	0 311	0.41	< 0.02	0 43	0 03	< 0.02	0.86	56 2	275	436	66.5	211	28 2	4 2	16 7	1.8	9.13	1 7	4.8
R22077	26 2	46 9	3.6	1 4	3.60	0 348	0.34	< 0.02	0.25	0 05	< 0.02	0.63	55 7	263	438	65.0	211	29.1	4.4	18 3	1.8	9 02	1.7	4.7
R22078	33.7	49 1	1.8	1 5	3 90	0 299	0.43	< 0.02	0.42	0.04	< 0.02	0 74	73.5	316	605	74.4	230	29.6	4.5	18.2	1.8	9.20	1.7	4.8
R22079	28.8	59.0	2.0	1 6	6.02	0.543	0.51	< 0.02	0.32	0 03	< 0 02	1 19	78 1	304	568	88.8	300	41 9	6 1	23.3	2.3	11.2	2.0	5 7
R22080	27.1	39.6	1.1	1 6	7.97	0 170	0.16	< 0.02	0.40	< 0.02	< 0.02	1 05	39.5	163	367	39 5	145	21 6	3 4	14.2	1.5	7 70	1 4	4.2
R22081	31.1	67.0	1.5	1.6	8.83	0 262	0.50	< 0.02	0 33	0.04	< 0.02	1.11	50.7	266	441	68.4	224	32 0	5 0	20.1	2.1	10.7	2.0	5 8
R22082	39.5	49.4	2.2	2 4	4.43	0.484	0.30	< 0.02	0.54	0.03	< 0.02	1.31	73 4	242	488	55.5	176	25 2	3 9	16 6	1.8	9.37	1 7	5.1
R22084	36.8	88.6	1.6	1 8	4.35	0.353	0.44	< 0.02	0.29	0 03	< 0.02	0.97	63 1	330	619	91.2	317	46 2	7 6	28 4	2.8	13.5	2 3	6.4
R22085	33.7	37.3	0.5	1 0	1 79	0 218	0 44	< 0.02	0.17	0 02	< 0.02	0 51	78 1	197	402	54.7	193	29.8	5 2	18 9	1.9	9.09	1.5	4.1
R22086	34.5	43.1	2 1	1.9	16.0	0.306	0 23	< 0 02	0.46	0 04	0.02	2 43	79 3	248	531	72.1	250	38 4	6 6	24 5	2 4	11.4	1 9	5 1
R22087	34.3	37.6	0.8	1 6	3.08	0 297	0 38	< 0.02	0.28	0.02	< 0.02	0 92	77.3	213	384	54.3	180	25 9	4.2	16.8	1.8	8.78	1.5	4.0
R22088	38.8	28.8	1.1	0 9	2.14	0 181	0.32	< 0 02	0.18	0 03	< 0.02	0 88	56 3	176	297	38.5	140	20 4	3 2	12.6	1 3	6.44	1.1	3 1
R22089	39.7	49.9	1.6	2 2	5.76	0.411	0.67	< 0 02	0.41	0.02	< 0.02	1.45	65 0	262	453	69.8	239	34.8	5.5	21.7	2.2	10.9	1.9	5.4
R22090	29.7	45.0	1.3	1 3	10 9	0.213	0.41	< 0 02	0.35	0.05	< 0.02	1.21	48 7	217	391	45.4	164	23.1	3.7	15.4	1.6	7.67	1.4	4.2
R22091	34.8	29 0	1.4	1.8	5.22	0.074	0.05	< 0 02	0.48	0 02	< 0.02	1.00	33 7	127	254	32.8	122	17 9	2 8	11 5	1.1	5.63	1.0	3.0
R22092	39.6	35.8	1 2	1.6	4.14	0 162	0.29	< 0 02	0.43	0 04	< 0.02	1.07	44.6	165	306	38.8	144	20 7	3.3	13 2	1.3	6 64	1.2	3.5
R22093	42.9	28 1	1 8	2 2	6.01	0.162	0 31	< 0 02	0.55	0 04	< 0.02	1.02	50 2	144	241	30.5	110	15 7	2 6	10 4	1.0	5 29	1.0	2 8

Analyte Symbol	Sr	Y	Zr	Nb	Mo	Ag	Cd	In	Sn	Sb	Te	Cs	Ba	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er
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	0.5	0.01	0.1	0.1	0.01	0.002	0.01	0.02	0.05	0.02	0.02	0.02	0.5	0.5	0.01	0.1	0.02	0.1	0.1	0.1	0.1	0.001	0.1	0.1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
R22094	31.8	47.0	2.1	2.0	13.7	0.353	0.48	< 0.02	0.43	0.05	< 0.02	1.25	51.7	237	387	56.1	181	25.9	4.1	16.9	1.7	8.80	1.6	4.6

Analyte Symbol	Tm	Yb	Lu	Hf	Ta	W	Re	Au	Tl	Pb	Th	U
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm
Detection Limit	0.1	0.1	0.1	0.1	0 05	0.1	0.001	0.5	0 02	0 01	0.1	0 1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
R21989	< 0.1	0 4	< 0.1	< 0.1	< 0 05	0 4	0.001	2.3	0 06	2 99	5 8	0 6
R21990	0.1	0 6	< 0.1	< 0 1	< 0 05	< 0.1	0.001	3 3	0 04	3 55	4.4	1 0
R21991	0.2	1.5	0 2	< 0 1	< 0 05	< 0.1	0 002	7 6	0 09	3.75	2 7	2 3
R21992	0.3	1.5	0.2	< 0 1	< 0.05	< 0.1	0 003	14 5	0 13	3 29	2 1	2 3
R21993	0 3	1 9	0.3	< 0 1	< 0.05	< 0.1	0.002	7 3	0 20	4 07	3.6	2 9
R21994	0 2	1.0	0.1	< 0.1	< 0.05	< 0.1	0.001	6 0	0 06	2.75	2.9	1 8
R21995	0.2	1 2	0 2	< 0 1	< 0 05	< 0 1	0.001	9.1	0.07	4.07	1.8	1.7
R21996	0.2	1 6	0.2	< 0 1	< 0 05	< 0.1	0.001	8.5	0.04	4.05	2.2	2.3
R21997	0.2	1 4	0 2	< 0.1	< 0 05	< 0.1	0.002	6 9	0 04	3.57	3.5	3 7
R21998	0.2	1.0	0 2	< 0 1	< 0 05	< 0 1	0.002	6 9	0 05	3.63	1 4	1.9
R21999	0.3	1.8	0 2	< 0.1	< 0.05	< 0 1	0.004	8.9	0.20	5 21	1.1	4.5
R22000	0.2	1 5	0.2	< 0 1	< 0.05	< 0.1	0 002	9.7	0.33	4.96	2 4	4.0
R22001	0.3	2.2	0.3	< 0 1	< 0.05	< 0.1	0.002	12 0	0.06	3.76	1.5	8.5
R22002	0.3	1.9	0.3	< 0 1	< 0.05	0.2	0.005	12 2	0.27	4.29	3.7	13 2
R22003	0.1	0.8	0 1	< 0 1	< 0.05	< 0 1	0.001	6 4	0.04	2 83	2.1	1.5
R22004	0.5	2 9	0 4	< 0 1	< 0 05	0 2	0.010	11.3	0.37	4 50	4.9	13.3
R22005	0.2	1.5	0.2	< 0 1	< 0 05	< 0.1	0.006	7.2	0.13	3 12	2.1	3 8
R22006	0.3	2 1	0.3	< 0.1	< 0.05	0.2	0.003	10.1	0 15	6 63	2.9	5 2
R22007	0.4	2.5	0 4	< 0.1	< 0 05	< 0 1	0.015	9.7	0 21	3 14	1.0	8 0
R22008	0.6	3.5	0.6	0.1	< 0 05	0.2	0.008	20.8	0 42	11.9	4 5	8 5
R22009	0.6	4 3	0 6	< 0.1	< 0 05	< 0.1	0.008	14.0	0.36	4.51	0 8	7 8
R22010	0.2	1.3	0.2	< 0 1	< 0.05	< 0.1	0.001	5.1	0.07	4.67	4 9	3 1
R22011	0.6	3 5	0.5	< 0.1	< 0 05	< 0.1	0.005	9.5	0.25	2.58	2.0	10.8
R22012	0 5	3.1	0.5	< 0.1	< 0.05	< 0.1	0 018	10.5	0 23	3.57	2.0	9.5
R22013	< 0 1	0.5	< 0.1	< 0.1	< 0 05	< 0.1	< 0.001	3.6	0 06	3.63	8.7	0.8
R22014	0.3	1 6	0 2	< 0.1	< 0 05	0.1	0 001	10.9	0 20	4.49	1.8	4.1
R22015	0 2	1.0	0 1	< 0 1	< 0.05	< 0.1	0 001	8.6	0.03	3.37	4.0	5 1
R22016	0 1	0 8	0.1	< 0 1	< 0.05	< 0.1	0.001	5 7	0 04	4.40	2 1	2.2
R22017	0 3	1.6	0 2	< 0.1	< 0.05	< 0.1	0 001	6 4	0.31	4.12	2.9	4.4
R22018	0.4	2.5	0 3	< 0.1	< 0.05	< 0.1	0.004	11.1	0.13	2.41	0.8	10.9
R22019	0.3	1.6	0 2	< 0 1	< 0.05	< 0.1	0.001	8.7	0.12	5.48	1.5	3 1
R22020	0.2	1.5	0 2	< 0 1	< 0 05	< 0.1	0.001	9.3	0.08	4.95	3.0	2.6
R22021	0 2	1.0	0.2	< 0.1	< 0 05	< 0.1	0.002	6.3	0 14	3.03	3.3	2 1
R22022	0.3	1.7	0.2	< 0.1	< 0 05	< 0.1	0.001	10.7	0 04	3.05	2.2	3.1
R22023	0 2	1.2	0.2	< 0.1	< 0 05	< 0.1	0 002	6.6	0 14	3.70	2.1	2.1
R22024	0.2	1.5	0 2	< 0.1	< 0.05	< 0.1	0.002	10.7	0.06	3.54	1.5	3.6
R22025	0.2	1.2	0 2	< 0.1	< 0 05	< 0.1	0 001	7 8	0.04	3.76	1.3	2 1
R22026	0.2	1 4	0 2	< 0 1	< 0 05	< 0.1	0.002	7 7	0.08	4 22	1.9	3.4
R22027	0 2	1 4	0.2	< 0 1	< 0.05	< 0.1	0.001	7.2	0 11	2 68	2.4	2 0
R22028	0.3	1 9	0.3	< 0.1	< 0 05	< 0.1	0.002	12.9	0.04	3.32	2.7	3 3
R22029	0 2	1.0	0.1	< 0.1	< 0 05	0.1	0 001	8 6	0 03	3.84	3.1	2.4
R22030	0.3	1.5	0.2	< 0.1	< 0 05	< 0.1	0.002	8 0	0.05	3.36	2 2	2.3
R22031	0.2	1 2	0.2	< 0.1	< 0.05	< 0.1	0.002	52 5	0.08	3.71	3.1	1.6
R22032	0 3	2 1	0.3	< 0.1	< 0.05	< 0.1	0.001	7.2	0.04	5 17	3.6	4.6
R22033	0 2	1 3	0 2	< 0.1	< 0 05	< 0.1	0.001	6.0	0.05	3 92	4.1	4.1
R22034	0.2	1 2	0 2	< 0 1	< 0 05	< 0.1	0.001	4.5	0.08	4 20	5.0	1 9
R22035	0.2	1.5	0 2	< 0 1	< 0 05	< 0.1	0 004	6.8	0 23	6.86	7.6	9 0
R22036	0.3	2.2	0 3	< 0 1	< 0.05	< 0.1	0 001	8.5	0 17	4.87	5 2	2 4
R22037	0.2	1 1	0 2	< 0 1	< 0 05	0.3	0.002	5.9	0 06	5.51	2.8	3.9
R22038	< 0.1	0.5	< 0.1	< 0.1	0.27	< 0.1	< 0.001	6.5	0 06	3.74	8.2	0.7
R22039	0 2	1.0	0 2	< 0 1	< 0.05	< 0.1	0.002	6 0	0 05	3.62	2.6	2.9
R22040	0.2	1.0	0 1	< 0 1	< 0 05	< 0.1	0.001	4.9	0.15	3.91	2.7	2.9

Analyte Symbol	Tm	Yb	Lu	Hf	Ta	W	Re	Au	Tl	Pb	Th	U
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm
Detection Limit	0.1	0 1	0 1	0 1	0 05	0.1	0 001	0 5	0.02	0.01	0.1	0 1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
R22041	0.1	0.9	0.1	< 0 1	< 0 05	< 0.1	0.001	3 7	0.02	3.27	2.4	2 6
R22042	0 2	1 4	0 2	< 0.1	< 0 05	< 0.1	0.001	6 5	0.03	3.06	2.8	4 4
R22043	0 6	3 4	0.5	< 0 1	< 0 05	< 0 1	0.344	11 9	0 23	13.4	1.2	12 2
R22044	0.2	1.5	0 2	< 0 1	< 0.05	< 0.1	0 001	18.4	0.04	3.81	1.7	4 0
R22045	0.1	0 8	0 1	< 0 1	< 0 05	< 0.1	0 001	4.3	0.03	3.25	2 7	2.3
R22046	0.3	1 6	0.2	< 0 1	< 0.05	< 0.1	0.001	7.9	0.07	4.62	1.8	4.9
R22047	0.2	1.1	0 2	< 0 1	< 0.05	0.2	0.001	3.5	0.06	4.18	3.1	3 8
R22048	0.2	1.3	0 2	< 0 1	< 0.05	< 0.1	0.001	5 1	0.06	5.69	4.1	3.8
R22049	0 4	2 3	0.3	< 0 1	< 0.05	< 0 1	0.003	10 3	0 25	4.76	1.5	6.5
R22050	0 2	1.0	0.2	< 0 1	< 0 05	< 0.1	0 001	6 3	0 07	3.83	3.0	2.6
R22051	0 2	1 2	0 2	< 0 1	< 0 05	< 0.1	0 001	3 7	0.09	3 55	3.5	3.3
R22052	0.3	1 8	0 3	< 0 1	< 0 05	0.6	< 0.001	6 3	0.07	5 12	4.6	7.1
R22053	0.4	2.3	0 3	< 0.1	< 0.05	0.2	0.004	13.8	0.17	4 97	1 5	7.3
R22054	0.3	2.1	0.3	< 0 1	< 0.05	0 2	0.001	8 4	0.26	4.96	5 8	5.3
R22055	0 3	1 9	0.3	< 0 1	< 0.05	0 2	0.001	13 6	0.06	3.64	1 9	4.7
R22056	0 4	2 2	0 3	< 0 1	< 0.05	0 1	0.001	6.8	0.30	4.37	2.9	6.0
R22057	0 3	1 7	0.2	< 0 1	< 0.05	0 2	0.001	10.0	0.16	4.08	1.9	4.3
R22058	0 3	1 6	0.2	< 0 1	< 0.05	0 1	0.001	12.8	0.08	4.44	0.5	4.0
R22059	0 2	1.3	0 2	< 0.1	< 0 05	0 2	0 002	6 2	0 07	4.55	2 3	2 4
R22060	0 3	1.9	0.3	< 0 1	< 0.05	0 1	0 002	9 1	0 08	5.27	0.8	3.0
R22061	0.4	2 2	0 3	< 0 1	< 0 05	0.2	0 002	11 4	0 08	7.91	2.6	3.7
R22062	0.3	1 8	0.3	< 0 1	< 0.05	0.1	0.002	9 5	0 14	6.37	3 1	2.7
R22063	0.2	1.2	0.2	< 0 1	< 0.05	0 3	0.003	9 5	0 17	4 98	5 9	6.3
R22064	0.2	1.4	0 2	< 0 1	< 0.05	< 0.1	0.003	38 0	0 09	5 20	1.5	4 3
R22065	0.3	1.6	0.2	< 0.1	< 0.05	0.2	0.005	7.7	0.11	3.04	1.0	4.0
R22066	< 0.1	0 4	< 0 1	< 0 1	< 0.05	0 1	< 0.001	2.9	0.05	3.49	6 5	0.6
R22067	0.2	1.3	0.2	< 0 1	< 0.05	0.1	0.001	5.1	0.04	4.07	3 7	3 4
R22068	0 2	1 5	0 2	< 0.1	< 0 05	0 1	0 001	8.2	0 06	4 14	3.0	4.4
R22069	0 6	3 9	0 5	< 0 1	< 0 05	< 0.1	0 003	11 8	0 09	14 6	2 0	14.0
R22070	0.7	4.1	0.6	< 0 1	< 0 05	< 0.1	0 002	13.2	0.17	10.0	2 5	16.0
R22071	0.5	3.1	0.4	< 0 1	< 0 05	< 0.1	0.003	7.9	0.30	6 07	3 9	27.1
R22072	0.7	4 1	0.6	< 0 1	< 0 05	< 0.1	0.004	13.1	0.18	31.1	4.2	53 5
R22073	0.7	4 0	0.6	< 0 1	< 0.05	< 0.1	0.004	13.1	0.42	9.48	8.3	22.5
R22074	0 7	4 1	0.6	< 0 1	< 0.05	0.1	0.003	9 9	0 29	9.11	10.8	41.5
R22075	0 7	3 8	0 6	< 0 1	< 0 05	< 0 1	0 004	10 4	0 39	8.13	6 8	26 1
R22076	0 7	3 8	0 5	< 0.1	< 0 05	< 0 1	0.003	11.9	0 16	6 88	5.7	18 3
R22077	0 7	3 9	0.6	< 0 1	< 0 05	< 0 1	0 002	27 8	0.22	4 45	3 1	10.7
R22078	0.7	4 0	0 6	< 0 1	< 0 05	< 0.1	0.003	12.8	0 28	5 90	3 9	8 9
R22079	0.8	4 7	0 7	< 0 1	< 0.05	0 3	0.006	11 5	0 67	8.10	9.1	30 5
R22080	0.6	3 6	0.5	< 0 1	< 0.05	< 0 1	0.001	7.4	0 08	6.74	3 5	24 2
R22081	0 8	5.1	0 7	< 0.1	< 0 05	< 0.1	0 002	12 1	0.14	7.48	2 2	30.0
R22082	0 7	4.4	0 6	< 0 1	< 0 05	< 0 1	0 002	10 3	0.33	8.66	9.2	13.7
R22084	0.9	5.2	0 8	< 0 1	< 0.05	< 0.1	0.004	11.0	0 31	11.6	3.6	39.6
R22085	0 6	3.2	0 5	< 0.1	< 0.05	< 0.1	0.002	9 9	0.13	4.79	1.3	18 2
R22086	0 7	4.1	0 6	< 0.1	< 0 05	< 0 1	0 003	12 0	0.20	21.6	6.1	58.9
R22087	0 5	3 0	0.4	< 0 1	< 0 05	< 0 1	0.004	9 6	0 22	5.10	2.5	17.6
R22088	0.4	2 3	0.3	< 0.1	< 0.05	< 0.1	0.003	8.6	0.16	3 46	1 9	10 1
R22089	0 8	4 5	0.6	< 0 1	< 0 05	< 0.1	0 004	12 2	0.19	8 23	4.9	25.7
R22090	0.6	3.8	0.6	< 0 1	< 0 05	< 0 1	0.002	9 3	0.21	5.72	2.0	16 3
R22091	0.4	2 7	0.4	< 0.1	< 0.05	< 0 1	0 001	24 4	0 06	4 39	3 9	11.4
R22092	0 5	3 1	0 5	< 0.1	0 23	< 0 1	0.003	8 6	0 09	5 11	2 2	12 6
R22093	0 4	2.4	0 3	< 0.1	< 0.05	< 0.1	0.002	7 9	0.13	5 84	4.0	9 9

Analyte Symbol	Tm	Yb	Lu	Hf	Ta	W	Re	Au	Tl	Pb	Th	U
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm
Detection Limit	0.1	0.1	0.1	0.1	0.05	0.1	0.001	0.5	0.02	0.01	0.1	0.1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
R22084	0.7	4.2	0.6	< 0.1	< 0.05	< 0.1	0.002	35.1	0.43	6.75	5.5	25.4

Quality Control

Analyte Symbol	Li	Be	B	Na	Mg	Al	K	Bi	Ca	Sc	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Rb	Sr
Unit Symbol	ppm	ppm	ppm	%	%	%	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.1	0.1	1	0.001	0.01	0.01	0.01	0.02	0.01	0.1	1	0.5	1	0.01	0.1	0.1	0.01	0.1	0.02	0.1	0.1	0.1	0.1	0.5
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
GXR-1 Meas	4.8	0.9	13	0.042	0.12	0.39	0.03	1720	0.68	1.2	50	7.8	851	25.0	6.6	38.1	1170		5.62		359	16.5	2.1	206
GXR-1 Cert	8.20	1.22	15.0	0.0520	0.217	3.52	0.0500	1380	0.960	1.58	80.0	12.0	852	23.6	8.20	41.0	1110		13.8		427	16.6	14.0	275
DH-1a Meas																								
DH-1a Cert																								
GXR-4 Meas	8.7	1.4	4	0.121	1.59	3.03	1.73	19.5	0.72	6.8	55	58.2	138	3.10	12.4	39.3	6730	72.3	11.8		88.3	5.7	105	74.1
GXR-4 Cert	11.1	1.90	4.50	0.564	1.66	7.20	4.01	19.0	1.01	7.70	87.0	64.0	155	3.09	14.6	42.0	6520	73.0	20.0		98.0	5.60	160	221
GXR-6 Meas	30.2	0.9	6	0.092	0.41	> 10.0	1.14	0.15	0.18	22.3	107	75.8	919	5.07	10.6	21.8	58.3	114	17.8		155	0.3	62.7	44.7
GXR-6 Cert	32.0	1.40	9.80	0.104	0.609	17.7	1.87	0.290	0.180	27.6	186	96.0	1010	5.58	13.8	27.0	66.0	118	35.0		330	0.940	90.0	35.0
R22001 Orig	5.7	0.7	2	0.031	0.24	2.41	0.11	0.10	0.23	2.0	23	30.8	247	5.25	14.2	10.2	107	74.2	3.26	0.3	2.0	2.5	8.3	23.9
R22001 Dup	5.3	0.7	3	0.025	0.23	2.33	0.10	0.09	0.21	1.8	22	29.1	238	4.99	13.4	9.7	98.8	68.9	3.10	0.3	2.0	2.2	7.7	21.3
R22015 Orig	6.1	0.3	< 1	0.028	0.26	1.09	0.11	0.08	0.25	2.2	22	29.5	142	2.68	4.9	8.4	37.5	47.0	3.05	0.1	2.2	0.6	7.6	25.9
R22015 Dup	5.9	0.2	< 1	0.029	0.26	1.07	0.10	0.08	0.25	2.1	20	28.4	138	2.64	4.8	8.2	37.6	48.5	3.09	0.1	3.3	0.7	7.5	25.2
R22042 Orig	6.6	0.3	2	0.032	0.26	1.03	0.12	0.07	0.26	2.2	22	28.8	164	2.18	5.4	9.4	43.0	41.1	2.96	0.2	1.0	0.8	8.2	29.0
R22042 Dup	6.6	0.2	1	0.033	0.26	1.02	0.11	0.07	0.26	2.4	27	31.5	161	2.09	5.3	9.2	44.7	42.3	3.26	0.2	2.8	0.7	8.4	29.8
R22065 Orig	4.9	0.3	3	0.046	0.20	1.06	0.07	0.06	0.32	1.4	21	27.6	77	0.80	2.9	13.5	71.9	81.5	2.71	0.2	1.5	1.4	6.1	33.0
R22065 Dup	4.1	0.3	3	0.037	0.19	1.04	0.07	0.06	0.27	1.0	17	27.2	67	0.74	2.6	11.8	63.8	76.7	2.56	0.2	2.4	1.2	5.3	26.2
R22079 Orig	13.0	0.6	3	0.054	0.43	2.04	0.24	0.06	0.22	2.8	25	24.8	143	1.61	6.9	15.2	192	116	4.56	0.7	2.4	2.4	25.6	28.8
R22079 Dup	13.1	0.6	3	0.054	0.43	2.10	0.24	0.06	0.22	2.7	25	24.4	144	1.60	6.9	15.3	191	114	4.56	0.7	2.3	2.4	25.3	28.9
R22093 Orig	8.2	0.5	5	0.053	0.37	1.46	0.15	0.07	0.41	2.5	30	34.9	165	2.15	5.7	14.0	67.5	84.0	4.11	0.4	2.1	1.4	13.1	44.6
R22093 Dup	7.5	0.4	5	0.048	0.36	1.36	0.14	0.07	0.38	2.5	27	32.9	156	2.05	5.3	13.2	62.3	78.2	3.79	0.3	1.8	1.3	12.1	41.2
Method Blank Method Blank	< 0.1	< 0.1	< 1	< 0.001	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.1	< 1	< 0.5	< 1	< 0.01	< 0.1	< 0.1	< 0.01	< 0.1	< 0.02	< 0.1	< 0.1	< 0.1	< 0.1	< 0.5

Quality Control

Analyte Symbol	Y	Zr	Nb	Mo	Ag	Cd	In	Sn	Sb	Te	Cs	Ba	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	0 01	0 1	0.1	0.01	0.002	0.01	0 02	0.05	0 02	0.02	0 02	0.5	0.5	0 01	0.1	0 02	0.1	0 1	0.1	0.1	0.001	0.1	0 1	0 1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
GXR-1 Meas	24.8	14 6	0 4	17 5	31 7	2 53	0.73	24 2	100	13 9	2.66	101	4 4	11 4		6.24	2 3	0 5	3 6	0 7	4 59			0 4
GXR-1 Cert	32.0	38.0	0.800	18.0	31.0	3.30	0 770	54 0	122	13 0	3 00	750	7 50	17 0		18.0	2.70	0 690	4.20	0.830	4.30			0 430
DH-1a Meas																								
DH-1a Cert																								
GXR-4 Meas	10 5	9 1	0.2	322	3 56	0.21	0.19	5 29	3 64	0 97	2 40	17 8	45 5	98 9		33.0	5 3	1.2	4.4	0 5	2 46			0.2
GXR-4 Cert	14.0	186	10.0	310	4.00	0 860	0 270	5.60	4.80	0 970	2.80	1640	64.5	102		45.0	6 60	1.63	5.25	0 360	2.60			0 210
GXR-6 Meas	5 76	9.0	< 0 1	1.49	0.287	0.08	0.05	0 96	1 85	0 02	3 26	1240	10 5	29.7		9 75	2.0	0 5	1.7	0 2	1.41			0 1
GXR-6 Cert	14.0	110	7.50	2 40	1 30	1.00	0 260	1 70	3 60	0 0180	4 20	1300	13 9	36 0		13.0	2 67	0.760	2 97	0 415	2 80			0 0320
R22001 Orig	24.3	1.6	1.2	7 66	0 173	0.09	< 0.02	0 29	0.05	< 0 02	0 90	35 4	148	342	33.7	125	16 6	2 4	11.5	1 1	5.87	1.0	2 6	0.3
R22001 Dup	22.6	14.9	1.2	7.17	0 159	0 08	< 0.02	0.28	0 05	0.02	0.86	31 7	142	323	32 3	118	16.3	2 4	11 0	1 1	5.63	1 0	2 5	0 3
R22015 Orig	10.2	1.3	1 1	5.82	0 080	0.06	< 0.02	0 34	0 03	< 0 02	0.58	26.6	45 1	101	12.2	46.0	7 0	1.1	5 0	0 5	2 53	0.4	1 1	0.2
R22015 Dup	9.80	1.3	1 2	5.69	0 075	0.05	< 0.02	0.34	0 03	< 0 02	0.57	26.8	43.5	98.5	11.8	44.4	6 7	1.1	4.9	0 5	2 45	0.4	1.1	0.2
R22042 Orig	13 8	1 2	1 0	3.26	0 068	0.05	< 0.02	0.35	0 03	< 0 02	0 69	27 8	53 1	138	15.1	55.6	8 4	1 4	6.0	0 6	3 38	0.6	1 6	0.2
R22042 Dup	14 6	1.2	1 0	3.41	0 059	0.03	< 0.02	0 37	0 03	< 0 02	0.65	28 2	52 9	141	15.6	57.8	8.9	1 4	5.4	0 6	3 20	0.6	1 6	0.2
R22065 Orig	19.4	0.8	1 2	1.88	0.264	0 46	< 0.02	0 31	0 06	< 0 02	0 49	44 7	113	211	24.6	87.0	12.0	1.7	7.5	0 8	4.01	0.7	2 1	0 3
R22065 Dup	17.9	0.5	0.9	1.88	0 190	0.44	< 0.02	0 22	0 05	< 0 02	0.45	41.9	102	190	22.5	82.9	11 6	1.7	7.5	0 7	3 59	0.6	1 8	0 3
R22079 Orig	59.2	1.9	1.6	6 11	0.553	0.53	< 0.02	0 31	0.03	< 0.02	1.20	77.3	306	574	89 1	301	42.1	6 2	23.3	2 3	11.3	2 0	5 8	0.8
R22079 Dup	58.9	2.0	1.6	5 93	0.534	0.50	< 0.02	0 32	0 03	< 0.02	1.17	78.8	301	562	88 5	299	41.6	6 0	23.4	2 3	11.1	2 0	5 6	0.8
R22093 Orig	29.2	1.8	2.2	6 20	0.169	0.32	< 0 02	0 52	0.05	< 0.02	1.04	51 1	148	249	31 2	112	16.0	2 6	10 7	1.0	5.44	1.0	2 8	0.4
R22093 Dup	27.0	1.7	2 1	5 82	0 156	0.30	< 0 02	0.57	0 04	< 0 02	1.00	49 4	140	234	29 8	108	15.4	2 5	10 1	1 0	5.14	0 9	2 7	0 4
Method Blank Method Blank	< 0.01	< 0.1	< 0 1	< 0.01	< 0 002	< 0.01	< 0 02	< 0 05	< 0 02	< 0 02	< 0.02	< 0 5	< 0 5	< 0.01	< 0 1	< 0.02	< 0.1	< 0 1	< 0 1	< 0 1	< 0.001	< 0 1	< 0 1	< 0 1

Quality Control

Analyte Symbol	Yb	Lu	Hf	Ta	W	Re	Au	Tl	Pb	Th	U
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm
Detection Limit	0.1	0 1	0 1	0 05	0.1	0.001	0.5	0 02	0.01	0.1	0.1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
GXR-1 Meas	2 1	0.3	0 2	< 0 05	153		3250	0 30		2.2	32.1
GXR-1 Cert	1.90	0 280	0 960	0 175	164		3300	0.390		2 44	34.9
DH-1a Meas										> 200	2640
DH-1a Cert										910	2630
GXR-4 Meas	0 8	0.1	0 3	< 0 05	11 0		476	2.43	47 5	19.4	4.5
GXR-4 Cert	1.60	0.170	6.30	0.790	30.8		470	3 20	52 0	22 5	6.20
GXR-6 Meas	0.7	< 0 1	< 0.1	< 0 05	< 0.1		63 4	1 45	90 0	4.1	0.7
GXR-6 Cert	2 40	0.330	4 30	0.485	1 90		95.0	2 20	101	5.30	1 54
R22001 Orig	2.2	0 3	< 0 1	< 0.05	< 0.1	0.003	11 0	0.06	3 85	1 6	8.7
R22001 Dup	2 1	0 3	0.4	< 0.05	< 0.1	0 002	13.1	0 06	3.67	1.4	8 3
R22015 Orig	1 0	0 1	< 0 1	< 0.05	< 0 1	0 001	6 6	0 03	3 37	4.2	5 1
R22015 Dup	1.0	0 2	< 0 1	< 0.05	< 0 1	0.001	10.6	0.03	3 37	3 9	5.1
R22042 Orig	1.3	0 2	< 0.1	< 0.05	< 0.1	0.001	6 3	0.03	3.06	2 8	4.6
R22042 Dup	1.4	0 2	< 0 1	< 0 05	< 0 1	0 001	6 7	0 03	3 05	2.7	4 3
R22065 Orig	1.6	0 2	< 0.1	< 0 05	0.2	0.004	8 7	0.11	3.11	1.1	4 2
R22065 Dup	1.5	0.2	< 0 1	< 0 05	0 2	0.006	6 6	0.10	2.96	0 8	3 8
R22079 Orig	4.8	0.7	< 0.1	< 0.05	0.3	0 006	12.8	0.68	8.16	9.2	30.5
R22079 Dup	4.7	0 7	< 0.1	< 0 05	0.3	0 006	10 2	0 66	8.03	9 0	30 4
R22093 Orig	2.5	0 3	< 0.1	< 0 05	< 0.1	0.002	7.2	0.14	5 93	3.8	10 1
R22093 Dup	2.3	0.3	< 0.1	< 0 05	< 0.1	0 001	8 7	0 13	5 75	4.2	9.7
Method Blank Method Blank	< 0.1	< 0.1	< 0 1	< 0 05	< 0.1	< 0 001	< 0 5	< 0 02	< 0.01	< 0.1	< 0 1