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# ASSESSMENT REPORT

## 2021 DIAMOND DRILLING PROGRAM LINGMAN LAKE GOLD PROPERTY

Red Lake Mining Division, Ontario, Canada

NTS 53 F/15E  
UTM NAD 83, Zone 15N  
507286 mE, 5968756 mN

April 11<sup>th</sup>, 2023

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## 1.0 SUMMARY

This assessment report provides the results of a diamond-drilling exploration program carried out by Signature Resources Limited on its wholly owned Lingman Lake gold property (the “Property”) in northwestern Ontario, Canada. The Property is centered on UTM coordinates 507286 m E, 5968756 m N (Datum: NAD 83, Zone 15N). Drill holes included in the program were established to test the grade and continuity of the mineralization encountered in the underground workings and historical diamond drilling carried out on the Property by previous operators. The Qualified Person and primary author of this report, John M. Siriunas, P. Eng., was directly involved with the program from March 11 to June 11, 2021, and from September 23 to December 6, 2021. Dr. Julie Selway, P. Geo., was responsible for QA/QC of the core samples and Walter Hanych, P. Geo., was overall program manager and contributed sections of this report. A total of 5,620.5 metres were drilled by the Company in 27 holes.

Diamond drilling was performed on claims; PAT-40606, PAT-40607, PAT-40608 and PAT-40609 (Figure 8). The first hole (LM21-01) in the Spring program was collared on March 16, 2021, and the last hole (LM21-18) was completed on June 2, 2021. For the Fall program the first hole (LM21-19) was collared on September 20, 2021, and the last hole (LM21-30) was completed on December 5, 2021, (see Table 1). The original plan was to continue with the drill program through the summer, but the camp had to be evacuated in early July due to numerous forest fires in northwestern Ontario. Under Emergency Area Order EAO 2021-13 declared on July 14, 2021, certain activities which included diamond drilling were prohibited in Designated Fire Restriction Zones. This restriction effectively shut-down Signature’s summer exploration program.

Precious metal mineralization was found to be predominantly associated with silicified and pyritic (+/- pyrrhotite) zones within altered mafic volcanic rocks. Intersections of note from the drilling program include 3.94 g Au/t over 9.2 m (LM21-20) in the North Zone, 5.81 g Au/t over 6.00 m (LM21-15) in the West Zone, 7.07 g Au/t over 4.00 m (LM21-27) in the South Zone, and 2.11 g Au/t over 12.00 m (LM21-25) in the Central Zone (Intersection widths stated are *not* true widths).

The mineralization encountered at Lingman Lake is interpreted as being an example of an orogenic lode gold deposit. Similarities to the Madsen Mine in the Red Lake Mining Camp are cited.

Recommendations for follow-up work include:

1. Twin 7 to 10 of the 1940s drilling for grade and zone intercept confirmation.
2. Continue drilling east of the dike along strike and dip/plunge of the North, Central and South zones.
3. Mapping beyond west shore of Shoe Lake east to claim boundary with ‘Others’ patented claims, and from granite volcanic contact south to Lingman Lake.
4. Detailed mapping of ‘Mine Area’. May involve stripping and trenching on Patented claims.

5. Detailed compilation of area in 'Item #3.
6. Employ oriented core measurements in future drill programs.
7. Mineralogical -Petrographic study.

## **2.0 INTRODUCTION**

This assessment report (the "Report") provides an account of a recent diamond-drilling exploration program (the "Program") carried out by Signature Resources Limited (the "Company") on its wholly owned Lingman Lake gold property (the "Property") in northwestern Ontario, Canada. This Report adheres to the 'Technical Standards for Reporting Assessment Work Under Provisions of the Mining Act R.S.O. 1990' and provides required scientific and technical information concerning mineral exploration on a mineral property that is material to the Company and has been prepared by "Qualified Persons", as that term is defined by NI 43-101.

The Qualified Person and primary author of this Report, John Siriunas, was directly involved in supervising the field aspects of the diamond drilling program at Lingman Lake from March 11 to June 11, 2021 ("Spring" program) and from September 23 to December 6, 2021 ("Fall" program).

Field assistance was provided by Mr. Marc Cardinal, Geotechnician, during the Spring program. Geological assistance and core-logging expertise during the Fall program were provided by Mr. James Wong, and by Ms. Elizabeth Vida, P. Geo., Senior Geologist for Signature Resources Ltd. Mr. Cardinal and Mr. Patrick Johnson were the Geotechnicians during the Fall program. The geotechnicians logged the rock quality observations and photographed the drill core. Cutting of the drill core was done by contract personnel from Signature Resources Ltd. supervised by the principal author and the geotechnician(s). Dr. Julie Selway, P. Geo., was responsible for the Quality Assurance/Quality Control for both the Spring and Fall programs of the drill campaign. Walter Hanych, P. Geo., and chief geological consultant to Signature Resources was the program manager for the entire campaign.

## **3.0 PROPERTY DESCRIPTION AND LOCATION**

The Property is located in the District of Kenora (Patricia Portion) in northwestern Ontario and within the Red Lake Mining District (Lingman Lake, North of Lingman Lake, Seeber Lake, Vanderbrink Lake, Ponask Lake, South of Ponask Lake Areas). The Property is centered on UTM coordinates 507286 mE, 5968756 mN (Datum: NAD 83, Zone 15N) on NTS Sheet 53 F/15E (Figure 2). The general location of the Property within Ontario is presented in Figure 1.

Effective the date of this report, the Property consists of four free-hold full (mining and surface rights) patented claims, 14 mineral-rights ("MRO") patented claims, and 1,300 single-cell staked claims, comprising a contiguous area of 21,153 hectares (Figure 3). All of the mining claims are held in the name of the Company's wholly owned subsidiary, Signature Exploration Ltd. (formerly Cool Minerals Inc.; Ontario Ministry of Energy, Northern Development and Mines client number 413102). The diamond drilling reported on herein was performed on patented claims PAT-40606 (PA6132; 53F15E238), PAT-40607 (PA6133; 53F15E258), and PAT-40608 (PA6134; 53F15E237) and PAT 40609 (PA6135, 53F15E257). (Figure 8).

While the Property lies within the area of the First Nation (“FN”) Treaty 9 adhesion with Sachigo Lake, Ontario as the nearest community/reserve, the region has strong traditional ties to Red Sucker Lake, Manitoba, a FN reserve signed to the Treaty 5 adhesion. Both, First Nations claim “Traditional Lands” rights to the Lingman Lake area.

Access to the Property is by helicopter direct to the Company’s exploration camp or by float-equipped aircraft to a Company dock on Lingman Lake. A winter Road from Red Sucker Lake FN is a possible alternative (seasonal) plan for access. Red Sucker Lake Airport (YRS) with benchmark location at UTM coordinates 855115.3350 mE, 6015772.7920 mN (Datum: NAD 83, Zone 14N) and elevation 226.794 m ASL, has a 3,550-foot recently refurbished (in 2018) crushed rock airstrip. Distances to the Property from relevant airports in Manitoba and Ontario are as follows:

- 45 km W from ZPB (Sachigo Lake Airport, ON)
- 55 km SE from YSR (Red Sucker Lake Airport, MB) or CKT4 (Seaplane Base)
- 115 km E from YIV (Island Lake Airport, MB)
- 320 km N from YRL (Red Lake Airport, ON)
- 510 km NNE of YAV (Winnipeg/St. Andrews Airport, MB)
- 450 km NNE of YAX (Lac du Bonnet Airport, MB)
- 530 km NNE of YWG (Winnipeg James Armstrong Richardson Int’l Airport, MB)
- 660 km NW of YQT (Thunder Bay Int’l Airport, ON)

The nearest reporting weather station (Weather Station ID 3880) is at Island Lake/Garden Hill Airport (YIV).



Figure 1. General location map



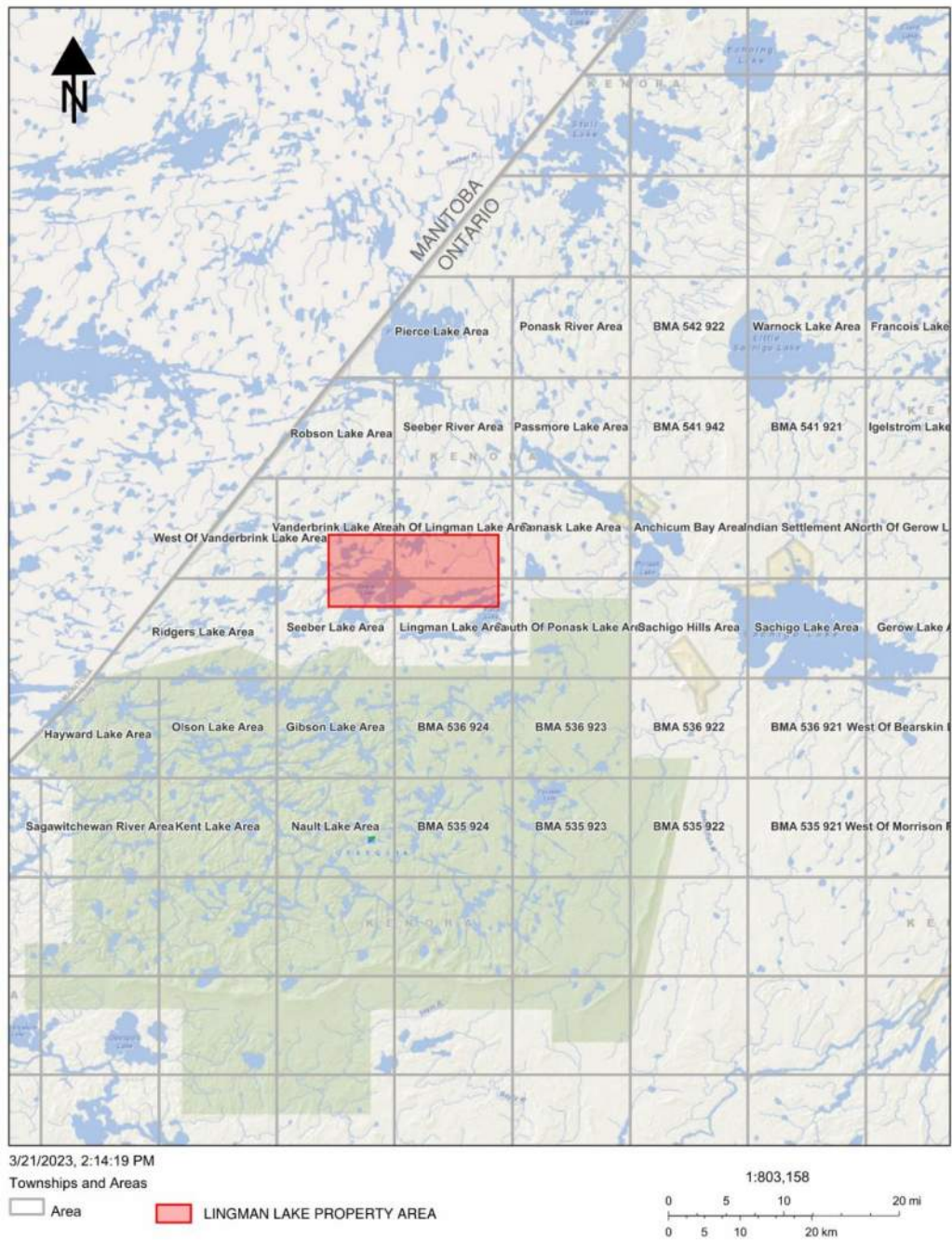


Figure 2. Lingman Lake property Index Map

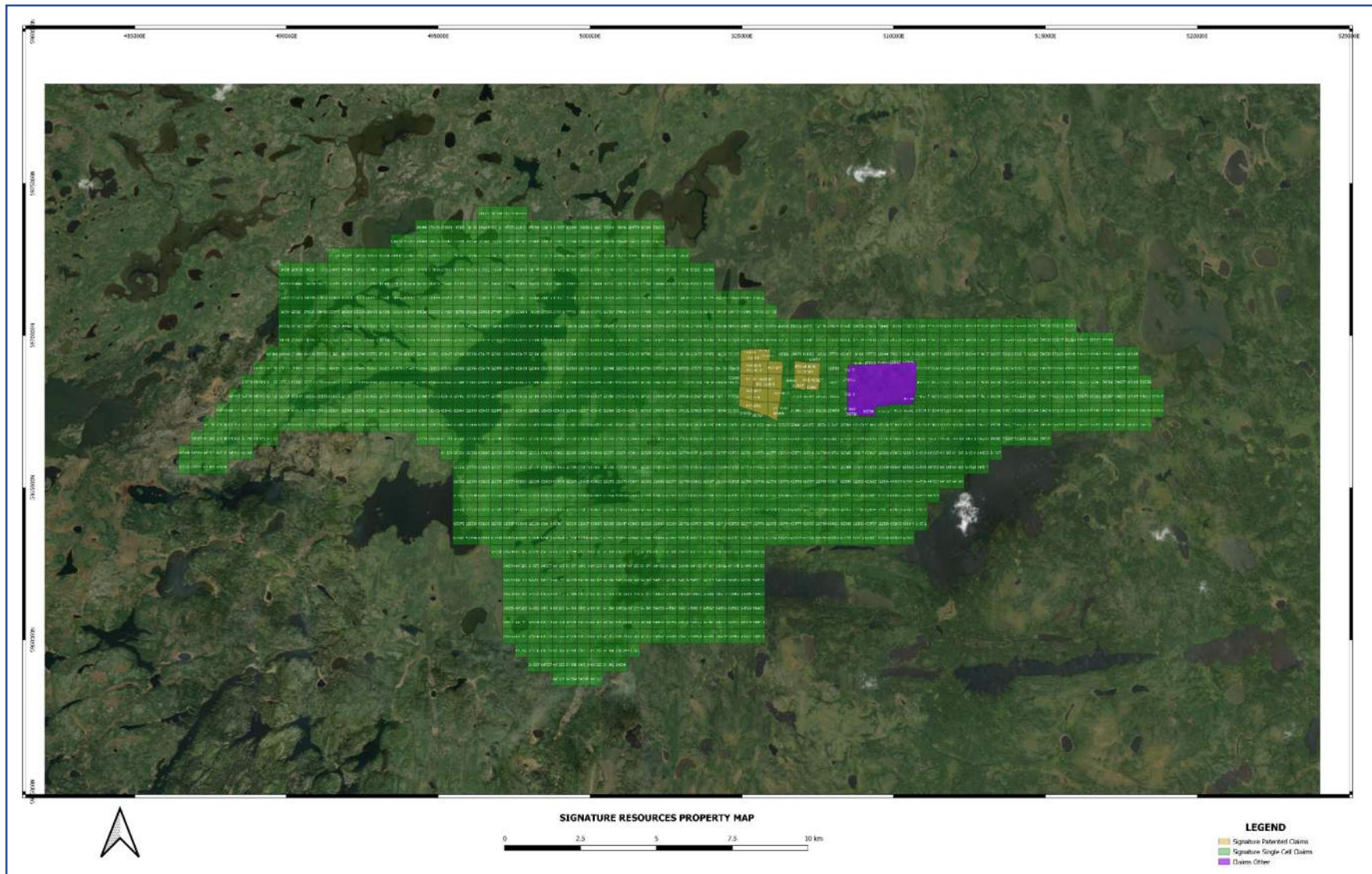


Figure 3. Lingman Lake Claim

#### 4.0 PREVIOUS WORK

Despite its relative remoteness, the Lingman Lake greenstone belt has been prospected since the mid to late 1930s. Gold showings were worked in the vicinity of the Lingman Lake mine and although the historical records are vague, there is reference to a stamp and grinding mill operating on the property in the late 1930s (JWEL, 1986). A map dated 1939, shows two veins, the No. 12 and No. 15 vein, which probably correlate with what is currently referred to as the 11650N Zone and South Zone respectively.

The onset of the Second World War interrupted most prospecting activity throughout the nation, and it wasn't until 1945 that the area received renewed interest. Lingman Lake Gold Mines Limited was incorporated and the company acquired 21 claims which were consolidated into the Lingman Lake property. Aggressive exploration campaigns were undertaken in the period from 1945 to 1949. The initial drilling (first 15 holes) appears to have been directed at testing the so-called No. 12 and No. 15 Veins discovered and worked in the late 1930s. Exploration shifted northward, and with the discovery of the North Zone, prompting surface and underground diamond drilling and underground workings which delineated the North and South Zones. These zones at this time were reported to host a 'historical' resource of an estimated 134,263 tonnes of material grading 14.1 g Au/t gold (**see Cautionary note**).

**Cautionary Note:** *The quantity reported as a 'historical' resource estimate is based on prior data and reports obtained by previous operators, and information provided by governmental authorities:*

- I. *A Qualified Person has not done sufficient work to verify the classification of the mineral resource estimates in accordance with current CIM categories.*
- II. *The Issuer is not treating the 'historical' estimate as a current NI 43-101-compliant mineral resource estimate. Establishing a current mineral resource estimate will require further evaluation.*

By 1949, the project was deemed to be sufficiently advanced that the company sought financing to bring the mine into production. Unfortunately, their efforts at financing failed and the operations at the mine were initially suspended and eventually shuttered.

The property remained idle during the interval 1949 to 1974. Then in late 1976, the prevailing economic conditions provided the catalyst for the company to seek financing to bring the Lingman Lake mine into production. The original company structure was re-organized under the name of Lakelyn Mines Limited. Ultimately, unfortunately these efforts were unsuccessful.

The most concentrated effort to finally bring the Lingman Lake mine to production occurred in the period from 1986 to 1990. By 1986, the company was organized as Twin Gold Mines Limited

and, in that year, it entered into an option agreement with Massive Energy Limited and its wholly owned subsidiary, Agassiz Resources Ltd. Agassiz Resources acquired control of Twin Gold Mines and Massive Energy financed three diamond drill campaigns in 1987, 1988 and 1989, commissioned a “pre-feasibility”/scoping study, and three resource estimates. This work generated sufficiently encouraging results prompting the companies to mobilize fuel, hoisting components, head frame architecture, electrical generators, and various other equipment necessary to de-water the mine. Unfortunately, by 1991, weak equity markets and a prolonged economic downturn impacted the project to such an extent that all the companies involved in the project were eventually delisted from their respective exchanges and became insolvent by 1993.

With the abandonment of the property, various legal claims and proceedings were initiated; in time, environmental concerns surfaced regarding the integrity of the fuel storage tanks and the property was listed as an environmental liability and mine hazard site under the Abandoned Mines Inventory Survey. Between 1994 and 2010 these overriding issues effectively hindered exploration and development of the property. Resolution to these issues was achieved in late 2010 and early 2011 through various agreements.

The environs of the Property have been the subject of Ontario Government geological mapping programs since the 1930s (*e.g.*, Satterly and Meen, 1937; Bennett and Riley, 1969; Wilson, 1987; Stone, 2005).

Exploration work on the Property since that time has been documented in detail by Hanych and Racicot (2013), Selway (2017), Hanych and Selway (2017) and Komarechka and Hanych (2017). Subsequent to the exploration activities discussed in those reports, the Company has carried out compilation studies, airborne magnetic and Matrix VLF-EM surveying, diamond drilling, 3D IP and ground magnetometer surveying, all which, with the exception the IP and ground magnetometer survey, are summarized in a current National Instrument 43-101-compliant Technical Report (Siriunas and Hanych, 2019).

## **5.0 REGIONAL GEOLOGY**

The Property is situated in the Lingman Lake volcano-sedimentary (“greenstone”) belt within the Island Lake Domain of the North Caribou Terrane (“NCT”) in the western part of the Superior Province (Stott *et al.* 2010; see Figure 3); previous nomenclature variously refers to the Sachigo, Berens River, and Gods Lake sub provinces as geological subdivisions in this principal sector of the Superior Province. The NCT has a central core that is dominated by batholiths of Mesoarchean age (2.8 Ga to 3.1 Ga). The Island Lake Domain and the Uchi Domain are thought to represent subsequent younger crust that was added to the northern and southern margins respectively of the NCT (Stott *et al.*, 2010). Several narrow, yet important, greenstone belts (including Lingman Lake and Red Lake) are preserved within the NCT (Figure 4).

As described by Wilson (1987), the supracrustal rocks in the Lingman Lake Greenstone Belt (“LLGB”) consist of a sequence of steeply dipping, interbedded mafic to felsic (meta) volcanic rocks with associated clastic and chemical (meta) sedimentary rocks. The stratigraphy is dominated by mafic volcanic rocks. The volcanic and sedimentary rocks are intruded by a suite of intrusive rocks, often porphyritic, of intermediate to felsic composition. Supracrustal rocks in the LLGB may be contemporaneous with those of the Island Lake Greenstone Belt which lies to the west (Parks *et al.*, 2003).

## 6.0 PROPERTY – MINE AREA GEOLOGY

Hanych and Selway (2017), and Komarechka and Hanych (2017), report that similar rock types, as observed by Wilson, were encountered during their investigations of mapping in the mine area. Additionally, Komarechka and Hanych (2017) describe the occurrence of marble during field mapping. Bowen (1988) describes the presence of komatiites and magnesium and iron tholeiitic basalts supported by whole rock analyses.

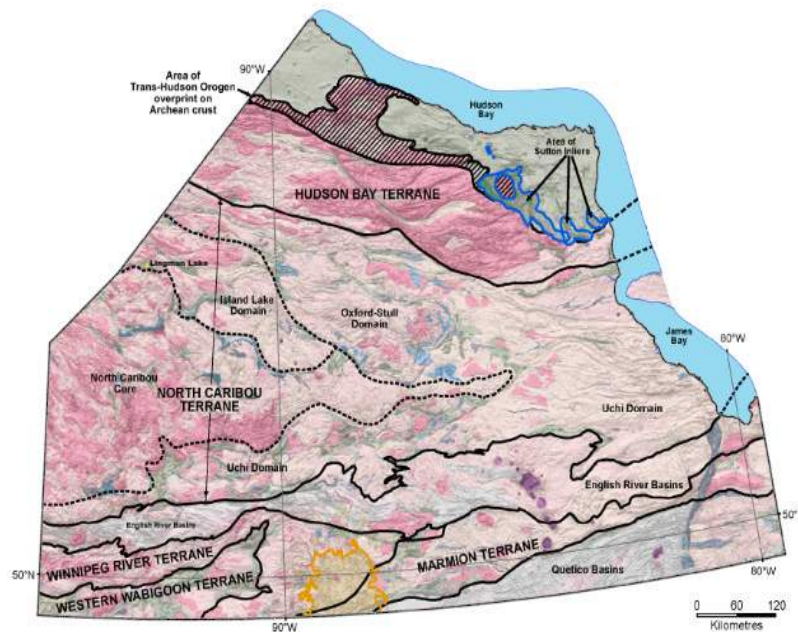


Figure 4. Subdivisions of Terranes and Domains in the Western Superior Province

## 7.0 MINERALIZATION AND RESOURCES

The Property hosts an historical mineral resource estimate of 234,684 oz of gold (1,063,904 tonnes grading 6.86 g Au/t at a 2.73 g Au/t cut-off) and includes what has historically been referred to as the Lingman Lake Gold Mine, an underground substructure consisting of a 126.5-metre shaft and three levels of development at depths of 46 m (the “150 Level”), 84 m (the “275 Level”) and 122 m (the “400 Level”). ***The historical mineral resource estimate is based on prior data and reports obtained and prepared by previous operators, and information provided by***

**governmental authorities. A Qualified Person has not done sufficient work to verify the classification of the mineral resource estimates in accordance with current CIMM categories. The historical estimate should not be considered as a current NI 43-101-compliant mineral resource estimate. Establishing a current mineral resource estimate on the Property will require further evaluation.**

Precious metal mineralization occurs in five main zones on the Property: namely the North, South, Central, West, and 11650N zones (Figure 5). Many of these Zones have also been subdivided into “A” and “B” splays/branches/bifurcations of discrete mineralization (Hanych and Selway, 2017). The zones dip at from 75° to 85° to the south (Figure 5). The North and West zones are thought to be equivalent but lie on opposing sides of a (generally) north-south trending diabase dike (Figure 4). The zones of mineralization have been interpreted to be structurally controlled by sub-parallel shears within altered mafic volcanic rocks and quartz-feldspar porphyritic intrusive bodies. Sulphide minerals (pyrite, pyrrhotite, chalcopyrite, galena, and sphalerite) and sulpharsenides (arsenopyrite) are reported to be present in the mineralized zones. The presence of native gold is rare (Wilson, 1987); Bowen (1988) states that there were three recognized cases of visible gold during the drilling program of 1987.

Per the available published information, and as interpreted by Anderson (2008), the Lingman Lake gold occurrence ranks about mid-tier in size (*i.e.*, contained gold on a logarithmic scale) when compared with other occurrences in the western Superior Province (Figure 6). Precious metal occurrences of significance in the vicinity of Lingman Lake include the Twin Lakes deposit at the Monument Bay Project (McCracken and Thibault, 2014) and the High Rock Island deposit (Lin and Corfu, 2002), both located in Manitoba.

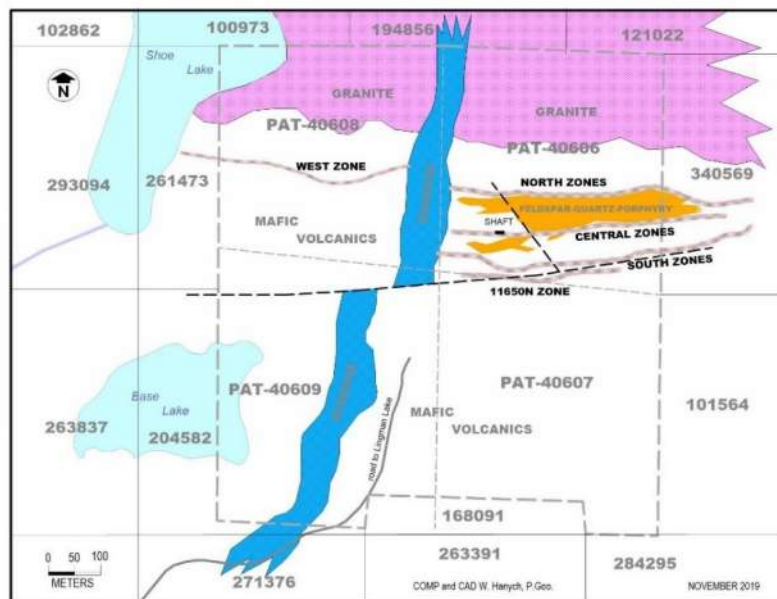


Figure 5. Known mineralized zones and distribution of gold mineralization at Lingman Lake

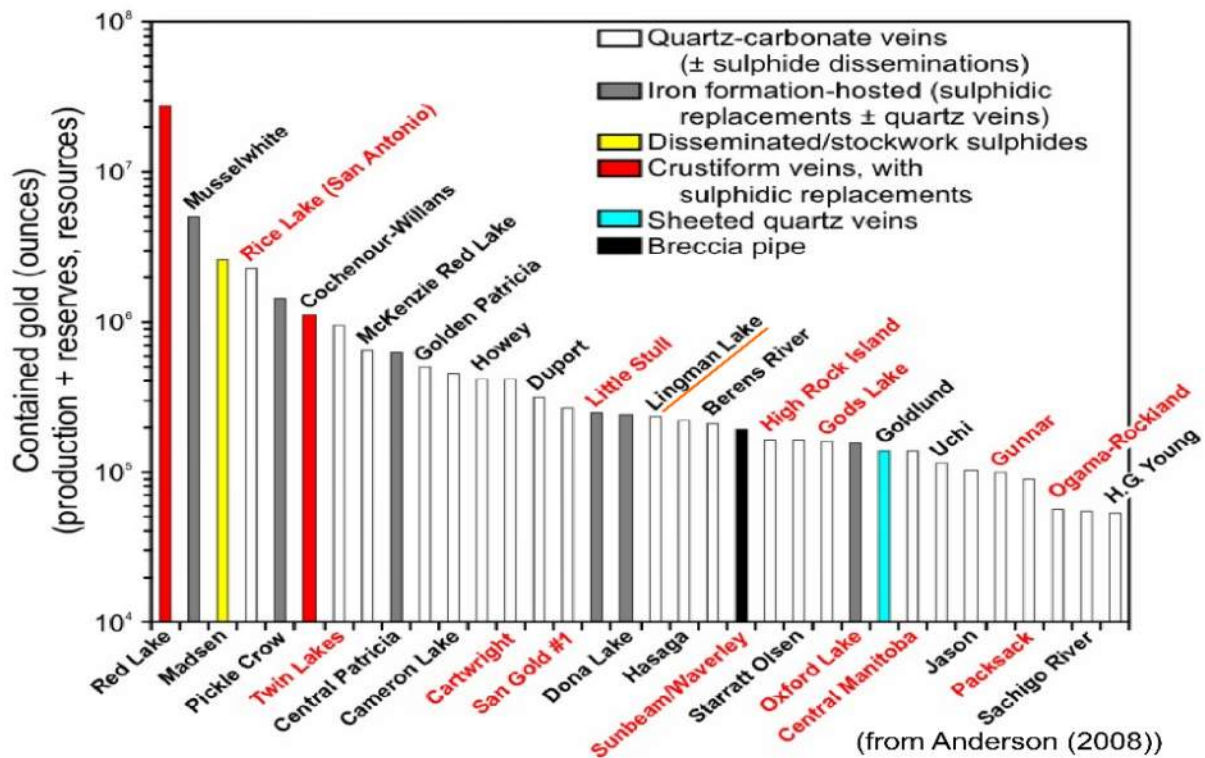


Figure 6. Comparison of contained gold in various Orogenic Gold Deposits of the Western Superior Province

## 8.0 DIAMOND DRILLING

Collar locations for the drill holes included in this drilling program were proposed with a view to test the grade and continuity of the mineralization encountered during the previous campaign of drilling by the Company (Siriunas and Jobin-Bevans, 2019) and to further explore the ground lying to the west of the large diabase dyke that bisects the current target area. The drilling in this campaign was also confined to the Company's Patented claims to expedite the exploration permitting process required in the Province of Ontario. As previously stated, the diamond drilling reported on herein was performed on patents PAT-40606 (PA6132; 53F15E238), PAT-40607 (PA6133; 53F15E258), PAT-40608 (PA6134; 53F15E237) and PAT 40609 (PA6135, 53F15E257).

A total of 5,620.5 metres of casing and NQ core (47.6 mm diameter) were drilled by the Company using heli-portable Zinex Model A5 diamond drills. All holes were aligned to be drilled from south to north in direction. The program of diamond drilling was carried out in two phases, the first between March and June 2021 (the "Spring Program") and the second between September and December 2021 (the "Fall Program"). The first hole in the Spring program was collared on March 16<sup>th</sup>, and the last one was completed on June 2<sup>nd</sup>. For the Fall program the first hole was collared on September 20<sup>th</sup> and the last hole was completed on December 5<sup>th</sup>. Table 1 provides the start and finish dated for the holes as well as the drill transects with respect to claim. A drill hole plan map

is presented in Figure 8. For the Spring program 3,264.5 meters were drilled while for the Fall program 2,256 meters were drilled.

The camp used for field operations had to be evacuated in July due to the impingement of an active forest fire (RED81). While the camp itself escaped unscathed, the surrounding trees and underbrush were for the most part completely incinerated. A summary of the drilling carried out in each campaign is provided in Table 2. Downhole orientation surveying was carried out using REFLEX® equipment during the Spring Program and DEVICO equipment during the Fall Program.



*Figure 6. Diamond drill rig on hole LM21-25, Mine area.*



Table 1. Drill Hole Execution Dates and Claim Transects

Drill Hole Transects Relative to Claims							
DDH	Date Started	Date Finished	Length m	Claim	%	Claim	%
<b>SPRING PROGRAM</b>							
LM21-01	2021-03-16	2021-03-17	69	PAT-40608	100		
LM21-02	2021-03-17	2021-03-20	132.5	PAT-40608	100		
LM21-03	2021-03-22	2021-03-27	273	PAT-40608	100		
LM21-04	2021-03-29	2021-04-03	237	PAT-40608	100		
LM21-05	2021-04-04	2021-04-15	243	PAT-40608	54	PAT-40609	46
LM21-06	2021-04-15	2021-04-17	78			PAT-40609	100
LM21-07	2021-05-05	2021-05-07	104	PAT-40608	15	PAT-40609	85
LM21-08	2021-04-17	2021-05-05	408	PAT-40608	64	PAT-40609	36
LM21-09	2021-05-07	2021-05-12	405	PAT-40608	69	PAT-40609	31
LM21-10	2021-05-13	2021-05-16	321	PAT-40608	85	PAT-40609	15
LM21-11	2021-05-28	2021-05-30	131	PAT-40608	100		
LM21-12	NOT DRILLED						
LM21-13							
LM21-14							
LM21-15				2021-05-23	2021-05-25	104	PAT-40608
LM21-16	2021-05-25	2021-05-27	149	PAT-40608	100		
LM21-17	2021-05-31	2021-06-02	188	PAT-40608	100		
LM-18	2021-05-17	2021-06-02	422	PAT-40608	62	PAT-40609	38
<b>FALL PROGRAM</b>							
LM21-19	2021-09-20	2021-09-21	128	PAT-40606	100		
LM21-20	2021-09-21	2021-09-22	74	PAT-40606	100		
LM21-21	2021-09-23	2021-09-24	92	PAT-40606	100		
LM21-22	2021-10-29	2021-10-31	113	PAT-40606	100		

Drill Hole Transects Relative to Claims							
DDH	Date Started	Date Finished	Length m	Claim	%	Claim	%
LM21-23	2021-09-25	2021-09-27	152	<b>PAT-40606</b>	100		
LM21-24	2021-10-06	2021-10-08	191	<b>PAT-40606</b>	100		
LM21-25	2021-10-08	2021-10-23	197	<b>PAT-40606</b>	100		
LM21-26	2021-11-10	2021-11-14	192	<b>PAT-40606</b>	100		
LM21-27	2021-11-27	2021-11-30	242	<b>PAT-40606</b>	89	<b>PAT-40607</b>	11
LM21-28A	2021-11-20	2021-11-26	341	PAT-40606	76	<b>PAT-40607</b>	24
LM21-29	2021-11-04	2021-11-09	344	PAT-40606	63	<b>PAT-40607</b>	37
LM21-30	2021-12-02	2021-12-05	290	PAT-40606	100		
<b>Note: Bold text indicates claim drill hole collar location</b>							

Table 2. Summary of Diamond Drill Collar Information 2021

NAD 83 UTM Zone 15N							
DDH	Depth (m)	Dip	AZM <sup>1</sup>	EASTING	NORTHING	MINE SECTION <sup>2</sup>	SAMPLES <sup>3</sup>
Spring Program (March - June 2021)							
LM21-01	69	-45°	1.3°	507035	5968862	112 +00	21
LM21-02	132.5	-50.1°	0.7°	507035	5968786	112 +00	56
LM21-03	273	-55.9°	0.1°	506927	5968710	109 +00	168
LM21-04	237	-51.2°	1.7°	507007	5968722	111 +00	79
LM21-05	243	-50.8°	359.3°	506962	5968620	110 +00	147
LM21-06	78	-45°	358.2°	506953	5968643	109 +00	24
LM21-07	104	-45.8°	2.4°	506897	5968646	108 +00	37
LM21-08	408	-55.2°	1°	506897	5968623	108 +00	257
LM21-09	405	-59.1°	1.2°	506837	5968647	106 +00	177
LM21-10	321	-50.1°	0.7°	506813	5968684	105 +00	133
LM21-11	131	-46.5°	1.4°	506929	5968782	109 +00	89
LM21-15	104	-51.3°	0.4°	506844	5968829	106 +00	46
LM21-16	149	-51.7°	353.1°	506845	5968793	106 +00	57
LM21-17	188	-56.5°	357.1°	506751	5968798	103 +00	62
LM21-18	422	-50.7°	358.3°	506754	5968618	103 +00	164
Fall Program (Sept. - Dec. 2021)							

NAD 83 UTM Zone 15N								
DDH	Depth (m)	Dip	AZM <sup>1</sup>	EASTING	NORTHING	MINE SECTION <sup>2</sup>		SAMPLES <sup>3</sup>
LM21-19	128	-54.2°	354°	507333	5968780	122	+00	42
LM21-20	74	-46°	1.8°	507313	5968810	121	+00	47
LM21-21	92	-60.6°	356.6°	507237	5968820	119	+00	42
LM21-22	113	-49.0°	358.5°	507258	5968785	119	+00	36
LM21-23	152	-50.9°	354°	507287	5968806	120	+00	61
LM21-24	191	-46.4°	356.1°	507236	5968717	119	+00	95
LM21-25	197	-48.6°	357.8°	507295	5968707	121	+00	67
LM21-26	194	-47°	0°	507350	5968707	122	+00	109
LM21-27	242	-48.5°	359.2°	507233	5968664	119	+00	75
LM21-28 <sup>4</sup>								
LM21-28A	341	-49°	0°	507236	5968634	119	+00	113
LM21-29	344	-54.2°	354°	507236	5968608	119	+00	139
LM21-30	290.0	-51.1°	2.5°	507285	5968681	120	+00	97
<b>1 - Azimuth and location data from REFLEX® NORTH FINDER APS during the Spring Program and a DEVICO DeviAligner during the Fall Program</b>								
<b>2 - Historical imperial grid (±50'). Shaft located at 120+00 E, 120+00 N (1948 grid has shaft at 110+00 E, 100+00 N).</b>								
<b>3 - Includes duplicate samples but not those that were analyzed for QA/QC purposes.</b>								
<b>4 - Original hole was abandoned. Holes LM21-12, LM-13 and LM-14 were not drilled.</b>								

Drill core was logged and sampled at the Lingman Lake “mine site” (Figure 9, Figure 10) the location also established as camp for the current drilling program. Drill core is stored at the site. Samples were selected on the basis of their likelihood to contain precious metal tenors as determined by the observation of a) sulphide and/or sulpharsenide minerals; and b) alteration, in particular silicification. The nominal sampling interval for analyses was one (1) metre and the core was diamond-saw cut (half for sample purposes, half retained for archival purposes) on site (Figure 11) to provide a sample of approximately 2.40 kg of material per one metre of half NQ-size core. Prior to sampling, all core was photographed for archival purposes, in sets of three boxes per photo with separate wet and dry versions of each set. Samples were bagged and referenced for shipment on site. Chain of custody was maintained by transport of samples by air charter direct to Red Sucker Lake FN, thence to the Activation Labs Ltd. (“Actlabs”) laboratory facility in Dryden, Ontario. During the periods when lakes were free of ice (particularly Lingman Lake) samples could be transported by float-equipped aircraft direct to Dryden. Quality assurance (“QA”) and quality control (“QC”) of the samples throughout the process was monitored by John Siriunas, P. Geo., while assay results were scrutinized by Dr. Julie Selway, P. Geo.

Logging information has been input into the Geospark Core program, a custom front-end to Microsoft Access created by Geospark Consulting Inc. and subscribed to by the Company.

Diamond drill core logs are provided in Appendix-2. The complete logs include location data, geological observations and descriptions, abridged analytical data (includes only the final results for Au, Ag, As, Sb, S, Se, Te, Pb, Zn, Cu, Mo, Ca, Mg and Mn), down-hole REFLEX® EZ-SHOT™ (Spring Program) or DEVICO DeviGyro (Fall Program) survey data, rock quality data (RQD) observations, and an index of the core boxes for each particular drill hole. Cross sections for each diamond drill hole are presented in Appendix-3.



*Figure 7. Beaver aircraft at Lingman Lake dock, Spring 2021.*

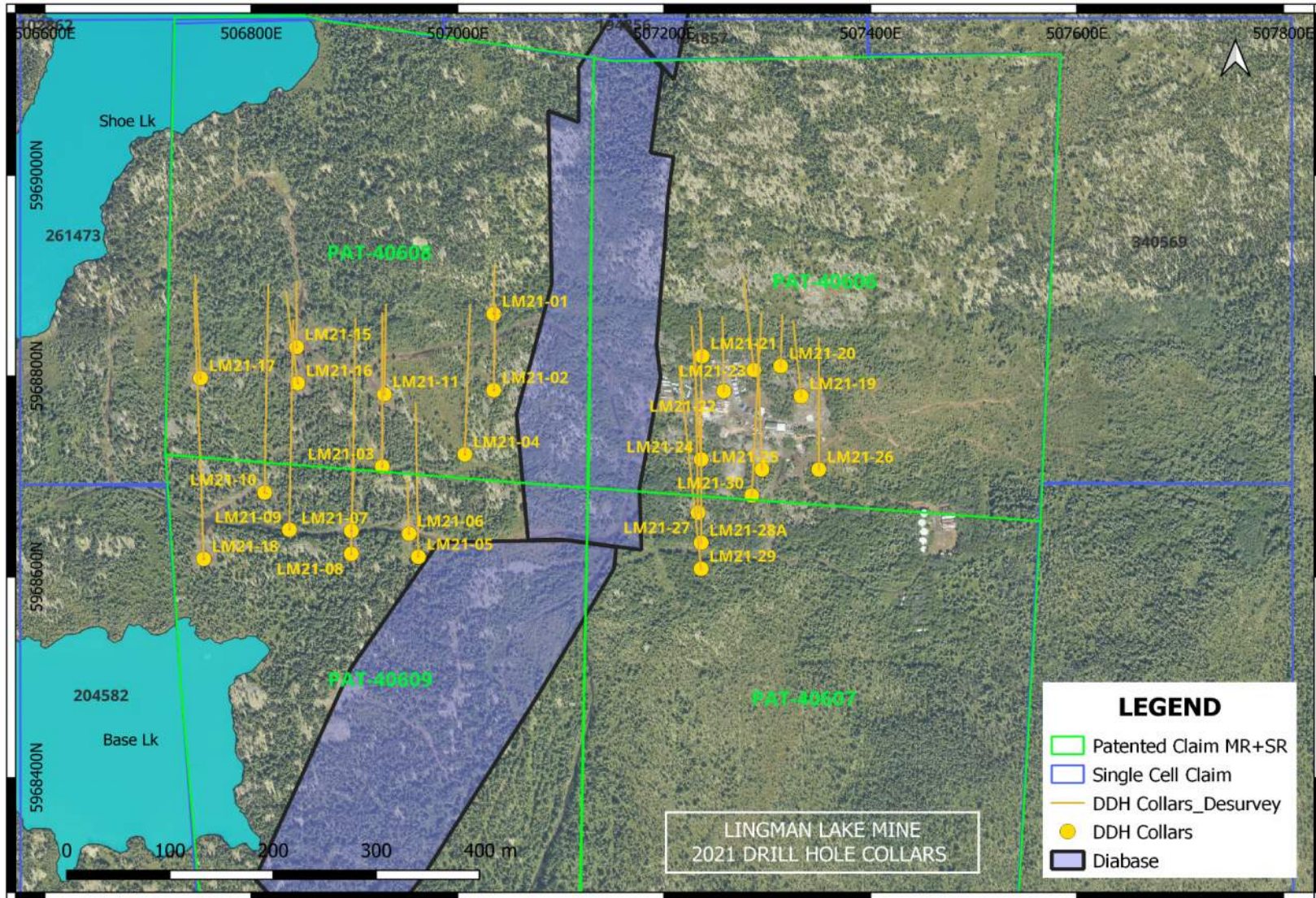


Figure 8. Drill Hole Plan Map 2021



*Figure 9. Building used for core logging and cutting at Lingman Lake*



*Figure 10. Core logging room at Lingman Lake*



*Figure 11. Core cutting room at Lingman Lake*

## **9.0 EVALUATION OF DRILLING RESULTS**

### **8.1 Analytical**

A total of 2,441 samples including duplicates (drill core were split into two halves (quarters) to create a “field duplicate” sample for analysis) were submitted to ActLabs for analysis. Every group of 20 samples submitted to Actlabs contained one sample of blank material, one field duplicate sample, and one sample of alternating (medium-high-low) certified reference material: a total of 145 samples of CRM material and 149 samples of blank material were submitted. The individual samples of certified reference material and blank material were received “pre-packaged” with approximately 40 g of material in separate sample bags. These were added to the normal stream of samples in the appropriate numerical order.

The Actlabs laboratory in Dryden, Ontario carried out the sample login/registration, sample weighing and sample preparation (G\_CRU21 – crush to 75% passing 2 mm and G\_PUL45 – pulverize 250 g using Cr-steel bowl to 85% passing 75 µm). Gold analyses were also performed in the Dryden laboratory (GE\_FAA313 – fire assay pre-concentration with AAS finish or for over limit results of >10.000 g Au/t, GE\_FAG303 – fire assay pre-concentration with a gravimetric finish).

The Actlabs laboratory in Thunder Bay, Ontario performed multi-element analyses for 51 elements (GE\_ICM14B – aqua regia digestion with an ICP-AES or -MS finish). Over limit analyses for Ag (GO\_ICP13B - aqua regia digestion with an ICP-AES finish) and As or Zn (GO\_ICP90Q – sodium peroxide fusion with an ICP-AES finish) were performed as required. Analytical certificates for all analyses are presented in Appendix-4 and 5.

For statistical purposes within this Report any analytical result that was reported to be less than the detection limit was set to one half of that detection limit (*e.g.*, a result reported as <0.5 was set to a numeric value of 0.25). Results reported to be greater than maximum value reportable, and where no corresponding over limit analysis was performed, were set to that maximum value (*e.g.*, a result reported as >15.0 was set to a numeric value of 15).

## 10.0 PROPERTY GEOLOGY

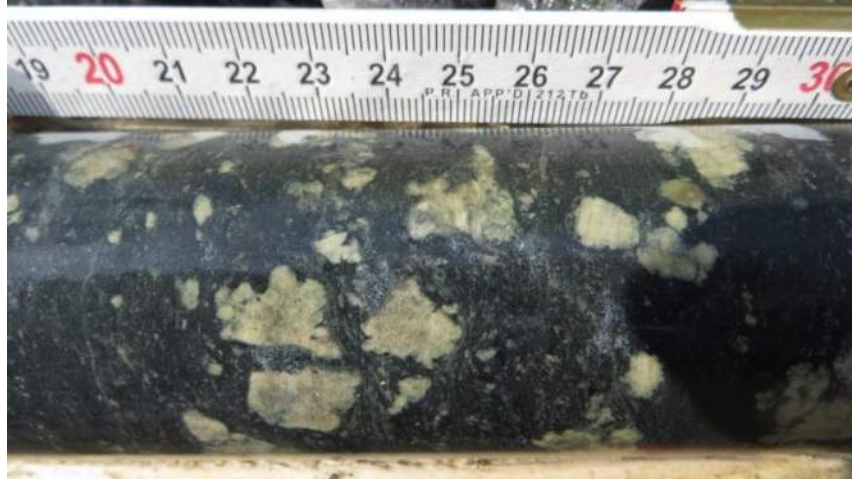
In general terms, the rock types encountered during the program of diamond drilling were as expected on the basis of previous work programs (*e.g.*, Komarechka and Hanych, 2017), and the most recent diamond drilling (Siriunas and Jobin-Bevans, 2019) though the terminology used herein might vary slightly from the previous accounts as it has been adapted for the Geospark Core program. Example photos may have been taken during the 2018 drilling program but are wholly indicative of the rock types observed during the current program of drilling.

### 9.0.1 Mafic Volcanic Rocks (MV or MVv)

Mafic volcanic flows were the most common rock type encountered during the drilling program. These rocks were generally fine-grained and grey-green. The mafic volcanic rocks were typically non-magnetic. Rarely were there indications of what could be interpreted as pillow selvages. There were no obvious associated volcanoclastic rocks noted, however, there were a few variations in the mafic volcanics, as follows:

- Mafic Volcanic, Amphibolitic (MV AM or MVc) – a coarse-grained variety with large laths of amphibole;
- Mafic Volcanic, Carbonate (MV CA or MVm) – abundant carbonate and quartz veinlets, usually with pervasive carbonate and possible epidote alteration;
- Feldspar Porphyry (FP or MVp) – small, hazy whitish feldspar phenocrysts present; and,
- Glomeroporphyry (LEP or MVgp) – large, cream-coloured groups of feldspar phenocrysts within a fine-grained matrix (Figure 12). There were no definitive intrusive relationships noted. As this rock type is very distinct, in past drill logs (1980s) this rock type was referred to as “Leopard Rock”. Green (1975) notes that similar rock types can occur from 300 m to 500 m stratigraphically below felsic volcanic units in many greenstone belts.





*Figure 12. Glomeroporphyritic mafic volcanic*

### **9.0.2 Altered Mafic Volcanic Rocks (MV SI or MVz)**

Mafic volcanic rocks that are bleached (“leucocratic”), moderately to highly silicified and carbonatized, variably pyritic, and highly foliated. Colour might be green or brown suggesting the presence of sericite and/or biotite. The foliation is likely the result of high shear strain which is an environment conducive to fluid movement and possible gold mineralization. In some locations the rocks can be described as being cherty or even tuffaceous (Figure 13).



*Figure 13. Altered mafic volcanic with a tuffaceous or cherty appearance form 50 m depth in hole 18-03*

### 9.0.3 QFP Intrusive (QFPO or QFp)

This terminology is used as a catch-all for any rock of intermediate to felsic (*i.e.*, monzonitic, “TTG” or “granitic”) composition with an apparent intrusive nature into the host rock, exclusively mafic volcanic rocks here (*e.g.*, Figures 25 and 26). A porphyritic nature, predominantly potassic or sodic feldspar phenocrysts with occasional quartz eyes, is usually present. This rock type is quite prevalent within the area of the Central Zone of mineralization. The variations in the orientation of the intrusives can be viewed on surface in outcrops (Figure 14 and Figure 15); this provides a glimpse of how, when envisioning their appearance in drill core, it can present complex and confusing scenarios.



Figure 14. Variety of quartz-feldspar-porphyry intrusive from hole 18-05



Figure 15. Variety of quartz-feldspar-porphyry intrusive from hole 18-07



Figure 16. Quartz-feldspar-porphyry intrusive in outcrop



Figure 17. Quartz-feldspar-porphyry intrusive is outcrop near the collar of hole 21-19

#### **9.0.4 Mylonite (MYL or CAT)**

These rocks, thought to be cataclasites, are very carbonatized, chloritic and possibly talcose. They are highly contorted (Figure 18) and are occasionally accompanied by badly broken core and/or fault gouge. It is possible that they could also be narrow bands of ultramafic rocks that have been affected by the local tectonic activity in the region. Fault gouge was intersected in several areas, particularly near the northern limits of the North and West zones but was also noted in the South Zone (Figure 18).



*Figure 18. Typical contorted appearance of mylonite*

#### **9.0.5 Mafic Dike / Diabase (DIAB or D)**

The mafic dike of Paleoproterozoic ("Aphebian") age intrusive that bisects the Property was intersected during the 2018 drill program. Only minor occurrences of this intrusive rock of mafic composition were encountered during the current drilling program.

### **11.0 DRILL RESULTS - MINERALIZATION**

#### **10.0.1 West Zone (Spring Program 2021)**

The West Zone (a possible extension of the North Zone to the west of a north-south trending large diabase dyke) was explored over a strike length of 317 m, and to a depth of 300 m during the Spring Program of diamond drilling. Gold-bearing mineralization was intersected over assay widths up to 12 m (core length) within the Zone. Mineralization is mainly in the form of disseminated pyrite and pyrrhotite with some arsenopyrite within the Zone. Weak to intense silicification accompanies the mineralization; intense shearing with fault gouge is also present. The main part of the Zone appears to lie stratigraphically between the footwall glomeroporphyritic mafic volcanic (LEP; "Leopard Rock") (Figure 12) and a band (or bands) of feld

spar porphyry (FP; a mafic volcanic that may be intrusive). The separation down-the-hole of these two rock types/units is about 20 m.

A list of intercepts (core length) of the West Zone and their approximate vertical depths follows:

<b>21-02</b>	1.78 g Au/t over 2.0 m at 75 m vertical depth
<b>21-03</b>	0.91 g Au/t over 4.0 m at 170 m vertical depth
<b>21-04</b>	0.58 g Au/t over 2.0 m at 125 m vertical depth
<b>21-08</b>	0.41 g Au/t over 7.0 m at 260 m vertical depth
<b>21-09</b>	1.61 g Au/t over 9.0 m at 275 m vertical depth
<b>21-10</b>	1.36 g Au/t over 7.0 m at 205 m vertical depth
<b>21-11</b>	0.56 g Au/t over 5.0 m at 85 m vertical depth
<b>21-15</b>	5.82 g Au/t over 6.0 m at 70 m vertical depth
<b>21-16</b>	1.15 g Au/t over 8.0 m at 100 m vertical depth
<b>21-17</b>	0.21 g Au/t over 6.0 m at 125 m vertical depth
<b>21-18</b>	0.92 g Au/t over 12.0 m at 300 m vertical depth

Holes 21-01 and 21-04 also targeted the West Zone. It is possible that hole 21-01 did not progress far enough to intercept the main portion of the Zone as it terminated in a feldspar porphyry which at the time was considered to be the desired footwall rock type. Hole 21-04 was atypical because there were several granitic bands (QFPO) near the bottom of the hole. depth.

Oriented drill core observations and measurements were obtained using a REFLEX® ACT III RD Orientation Kit and IQ Logger during the Spring program.

*Table 3. Summary of important diamond drilling results with respect to Spring 2021 program.*

2021 DIAMOND DRILL HIGHLIGHTS Winter-Spring Program									
DDH	Zone	EASTING	NORTHING	Azimuth	Dip	From meters	To meters	Length meters	Au g/t
21-01	N/A	507034	5968862	360	-45	24.00	25.00	1.00	0.13
						25.00	26.00	1.00	0.83
						26.00	27.00	1.00	0.12
						27.00	28.00	1.00	0.55
						<b>24.00</b>	<b>28.00</b>	<b>4.00</b>	<b>0.41</b>
21-02	WEST	507034	5968785	360	-50	107.00	107.50	0.50	0.36
						107.50	108.00	0.50	2.95
						108.00	108.50	0.50	1.84
						108.50	109.00	0.50	1.96
						<b>107.00</b>	<b>109.00</b>	<b>2.00</b>	<b>1.78</b>
	CENTRAL	506926	5968709	360	-55	53.00	54.00	1.00	0.59
						54.00	55.00	1.00	0.02
						55.00	56.00	1.00	0.20
						56.00	57.00	1.00	0.06
						57.00	58.00	1.00	1.76
					<b>52.00</b>	<b>58.00</b>	<b>5.00</b>	<b>0.53</b>	
	N/A					119.00	120.00	1.00	7.52
						155.00	156.00	1.00	14.90

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2021 DIAMOND DRILL HIGHLIGHTS Winter-Spring Program									
DDH	Zone	EASTING	NORTHING	Azimuth	Dip	From meters	To meters	Length meters	Au g/t
21-03	WEST SOUTH					156.00	157.00	1.00	0.16
						157.00	158.00	1.00	0.72
						158.00	159.00	1.00	0.84
						<b>155.00</b>	<b>159.00</b>	<b>4.00</b>	<b>4.16</b>
	WEST					217.00	218.00	1.00	0.74
						218.00	219.00	1.00	1.48
						219.00	220.00	1.00	0.15
						220.00	221.00	1.00	4.58
						<b>217.00</b>	<b>221.00</b>	<b>4.00</b>	<b>1.74</b>
	WEST					233.00	234.00	1.00	0.92
						234.00	235.00	1.00	1.06
						235.00	236.00	1.00	0.19
						236.00	237.00	1.00	1.45
					<b>233.00</b>	<b>237.00</b>	<b>4.00</b>	<b>0.91</b>	
21-04	WEST	507007	5968723	360	-50	181.00	182.00	1.00	<b>0.65</b>
						182.00	183.00	1.00	<b>0.51</b>
						<b>181.00</b>	<b>183.00</b>	<b>2.00</b>	<b>0.58</b>
21-05	CENTRAL	506957	5968619	360	-50	232.00	233.00	1.00	0.42
						233.00	234.00	1.00	1.92
						234.00	235.00	1.00	0.25
						<b>232.00</b>	<b>235.00</b>	<b>3.00</b>	<b>0.86</b>
21-06	SOUTH	506951	5968647	360	-45				NSV
21-07	SOUTH?	506892	5968647	360	-45	68.00	69.00	1.00	<b>0.16</b>
						69.00	70.00	1.00	<b>0.19</b>
						70.00	71.00	1.00	<b>0.31</b>
						71.00	72.00	1.00	<b>1.96</b>
21-08	Central	506895	5968626	360	-55	68.00	72.00	4.00	<b>0.66</b>
						253.00	254.00	1.00	6.01
						254.00	255.00	1.00	0.11
						255.00	256.00	1.00	0.44
	WEST SOUTH					<b>253.00</b>	<b>256.00</b>	<b>3.00</b>	<b>2.19</b>
						338.00	339.00	1.00	2.44
						339.00	340.00	1.00	6.03
						340.00	341.00	1.00	1.44
						341.00	342.00	1.00	0.07
						342.00	343.00	1.00	0.43
						343.00	344.00	1.00	0.36
						344.00	345.00	1.00	0.13
	WEST					345.00	346.00	1.00	3.30
						<b>336.00</b>	<b>346.00</b>	<b>8.00</b>	<b>1.78</b>
						362.00	363.00	1.00	0.82
						363.00	364.00	1.00	0.07
						364.00	365.00	1.00	0.08
					365.00	366.00	1.00	0.33	
21-09	WEST					366.00	367.00	1.00	0.15
						367.00	368.00	1.00	0.80
						368.00	369.00	1.00	0.31
						<b>362.00</b>	<b>369.00</b>	<b>7.00</b>	<b>0.37</b>
		506835	5968647	360	-63	382.00	383.00	1.00	7.20
						383.00	384.00	1.00	0.02
						384.00	385.00	1.00	0.09
				385.00	386.00	1.00	2.27		
				386.00	387.00	1.00	3.05		
				387.00	388.00	1.00	0.20		
				388.00	389.00	1.00	1.17		
				382.00	389.00	7.00	2.00		
		506813	5968687	360	-50	283.00	284.00	1.00	1.54

2021 DIAMOND DRILL HIGHLIGHTS Winter-Spring Program											
DDH	Zone	EASTING	NORTHING	Azimuth	Dip	From meters	To meters	Length meters	Au g/t		
21-10	WEST					284.00	285.00	1.00	1.38		
						285.00	286.00	1.00	3.42		
						286.00	287.00	1.00	1.45		
						282.00	287.00	4.00	1.95		
21-11	WEST	506931	5968781	360	-50	114.00	115.00	1.00	1.00		
						115.00	116.00	1.00	0.63		
						116.00	117.00	1.00	0.15		
						117.00	118.00	1.00	0.54		
						118.00	119.00	1.00	1.00		
						114.00	119.00	5.00	0.66		
21-15	WEST SOUTH	506845	5968833	360	-50	66.00	67.00	1.00	1.16		
						67.00	68.00	1.00	0.04		
						68.00	69.00	1.00	0.88		
							<b>66.00</b>	<b>70.00</b>	<b>3.00</b>	<b>0.69</b>	
	WEST					94.00	95.00	1.00	2.96		
						95.00	96.00	1.00	1.93		
						96.00	97.00	1.00	3.73		
						97.00	98.00	1.00	5.39		
						98.00	99.00	1.00	12.20		
						99.00	100.00	1.00	8.67		
							<b>94.00</b>	<b>100.00</b>	<b>6.00</b>	<b>5.81</b>	
21-16	WEST	506845	5968804	360	-50	137.00	138.00	1.00	1.08		
						138.00	139.00	1.00	0.28		
						139.00	140.00	1.00	0.19		
						140.00	141.00	1.00	0.05		
						141.00	142.00	1.00	3.48		
						142.00	143.00	1.00	1.75		
						143.00	144.00	1.00	1.36		
						144.00	145.00	1.00	0.99		
						<b>137.00</b>	<b>145.00</b>	<b>8.00</b>	<b>1.15</b>		
21-17	WEST	506750	5968802	360	-55	175.00	176.00	1.00	0.26		
						176.00	177.00	1.00	0.17		
						177.00	178.00	1.00	0.02		
						178.00	179.00	1.00	0.11		
						179.00	180.00	1.00	0.05		
						180.00	181.00	1.00	0.63		
								<b>175.00</b>	<b>181.00</b>	<b>6.00</b>	<b>0.21</b>
21-18	WZ	506750	5968619	360	-50	382.00	383.00	1.00	0.73		
						383.00	384.00	1.00	0.03		
						384.00	385.00	1.00	0.05		
						385.00	386.00	1.00	0.10		
						386.00	387.00	1.00	1.05		
								<b>382.00</b>	<b>387.00</b>	<b>5.00</b>	<b>0.39</b>
						408.00	409.00	1.00	1.77		
						409.00	410.00	1.00	2.19		
						410.00	411.00	1.00	0.09		
						411.00	412.00	1.00	0.03		
						412.00	413.00	1.00	0.01		
						413.00	414.00	1.00	0.39		
						414.00	415.00	1.00	4.90		
						<b>402.00</b>	<b>415.00</b>	<b>7.00</b>	<b>1.34</b>		
West zone strikes east-west, dip 75-degrees south.											
Drill holes 21-12, 13 and 14 not drilled due to spring flooding conditions											

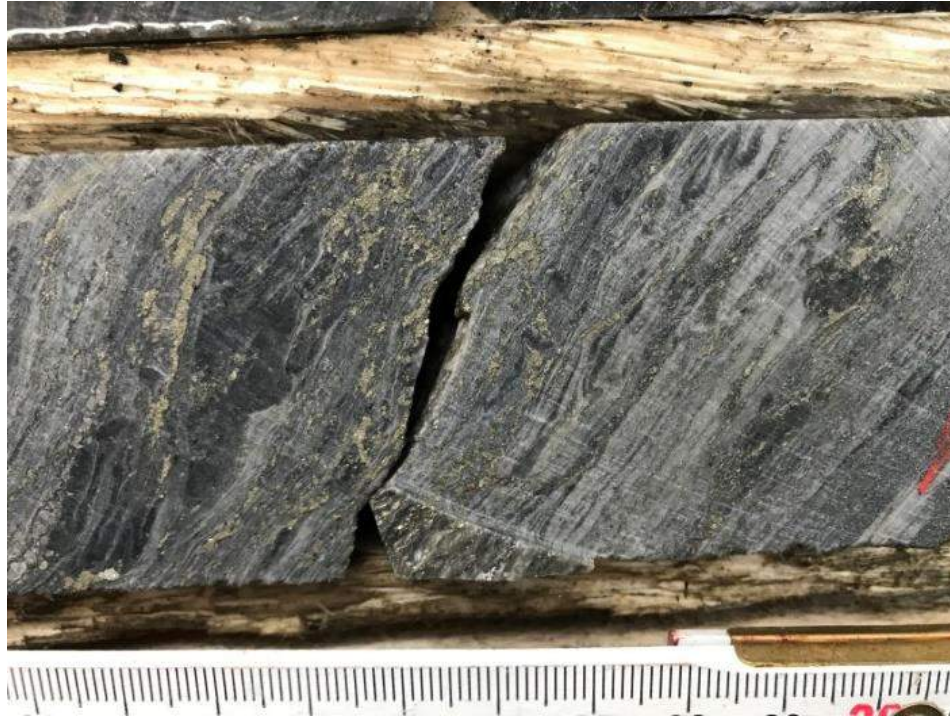
10.0.3 Mine Area (Fall Program 2021)

Precious metal mineralization is predominantly associated with silicified and pyritic (+/- pyrrhotite) zones within altered mafic volcanic rocks. This is particularly the case for the North and South zones. Within the Central Zone, precious metal mineralization is not usually associated within QFPO but it is more likely along the altered contacts of QFPO intruding MV. In many cases where fault gouge or mylonite is present there is also significant precious metals intersected in the immediate vicinity (Figure 19).



*Figure 19. Collar of hole LM21-19, 65 m northeast of shaft. QFPO in mafic volcanics.*





*Figure 20. Appearance of altered mineralized core on saw cut surface.*

The following correlations with respect to the precious metals were noted in the analytical results from the drilling (co-efficient of correlation “R” shown):

Au with Ag	R=0.77	Ag with Se	R=0.59
Au with Se	R=0.61	Ag with Sb	R=0.60
Au with Sb	R=0.56	Ag with S	R=0.43
Au with S	R=0.42	Ag with Pb	R=0.46
Au with Pb	R=0.43	Ag with As	R=0.37
Au with As	R=0.48	Ag with Te	R=0
Au with Te	R=0		

Maximum Au:Ag noted is close to 10:1; however, the majority of Au:Ag is less than 1:1 for all analyses. The average ratio of Au:Ag for analyses reporting over 1 g Au/t was about 1:4.

While arsenopyrite is found in association with some gold mineralization, it is not necessarily an indicator of gold. Arsenopyrite was observed mostly in the South Zone. The correlations with Sb and Pb suggest that there may be some (silver-bearing?) sulphosalt minerals present; however, none were recognized during the original core-logging process.



*Figure 21. Arsenopyrite and coarse pyrite in silicified volcanic*

Other than the correlation with Pb, there were no weak correlations between the precious metals and Cu, Mo, Zn, Hg or W; however, there can be a local a spatial relationship noted with the presence of Mo and W in the footwall rocks immediately below the North Zone. Molybdenite is also noted in minor quartz veins within the footwall LEP but this appears to be distinct from the above relationship. Neither can there be reported a correlation between any “alteration” element (*e.g.* Ca, Mg, Mn, Na, K) and the precious metals. As classical whole rock oxide analyses, including silica, are not available at this time, and existing data are the product of only a partial digestion, it is difficult at this stage to make any unequivocal comment regarding the geochemical nature of any alteration patterns. A summary of select trace element results is presented in Appendix -6.

As stated early in this Report, the main purpose of this drilling program was to confirm the results of historical work on the Property, *i.e.*, the occurrence of significant precious metal mineralization including that intersected during the Company’s drill program of 2018. Presented in Table-3 and 4 are summaries of the important results of the Spring and Fall 2021 drilling programs.



Figure 22. Collar locations for drill holes in the vicinity of the "mine area" at Lingman Lake. All holes were drilled toward the north. Note burned area at the top and left part of the photos due to RED 81.

Table 4. Summary of important diamond drilling results with respect to the Fall 2021 program.

Sample No.	DDH	From	To	Width	ng Au/g	Composites	g Au/t x m	
411704	LM21-19	32.5	33	0.50	14100	14.1 g Au/t over 0.5 m	7.1	
411722	LM21-19	70.5	71.5	1.00	325	2.66 g Au/t over 9 m	23.9	
411723	LM21-19	71.5	72.5	1.00	741			
411724	LM21-19	72.5	73.5	1.00	13800			6.47 g Au/t over 3 m
411725	LM21-19	73.5	74.5	1.00	3820			
411726	LM21-19	74.5	75.5	1.00	1790			
411727	LM21-19	75.5	76.5	1.00	692			
411728	LM21-19	76.5	77.5	1.00	1010			
411729	LM21-19	77.5	78.5	1.00	1380			
411731	LM21-19	78.5	79.5	1.00	351			
411834	LM21-20	29.3	30.1	0.80	888			
411835	LM21-20	30.1	31.1	1.00	813			
411837	LM21-20	31.1	31.7	0.60	3250			

Sample No.	DDH	From	To	Width	ng Au/g	Composites		g Au/t x m
411838	LM21-20	31.7	32.7	1.00	17200	3.94 g Au/t over 9.2 m		36.3
411839	LM21-20	32.7	33.7	1.00	1060			
411841	LM21-20	33.7	34.7	1.00	100			
411842	LM21-20	34.7	35.7	1.00	3210			
411843	LM21-20	35.7	36.7	1.00	7460			
411844	LM21-20	36.7	37.7	1.00	3580			
411845	LM21-20	37.7	38.5	0.80	252			
411885	LM21-21	43	44	1.00	5010	5.01 g Au/t over 1 m		5.0
412213	LM21-22	74	75	1.00	1270	2.43 g Au/t over 6 m	5.84 g Au/t over 2 m	14.6
412214	LM21-22	75	76	1.00	280			
412215	LM21-22	76	77	1.00	546			
412216	LM21-22	77	78	1.00	832			
412217	LM21-22	78	79	1.00	2890			
412218	LM21-22	79	80	1.00	8780			
411773	LM21-23	50.2	51.3	1.10	1280	1.28 g Au/t over 1.1 m		1.4
411929	LM21-24	44	45	1.00	824	1.54 g Au/t over 4 m		6.2
411931	LM21-24	45	46	1.00	2940			
411932	LM21-24	46	47	1.00	1380			
411933	LM21-24	47	48	1.00	1010			
412103	LM21-24	148.7	149.7	1.00	3100	2.02 g Au/t over 3 m		6.1
412104	LM21-24	149.7	150.7	1.00	2080			
412105	LM21-24	150.7	151.7	1.00	893			
412118	LM21-25	45	46	1.00	714	2.11 g Au/t over 12 m	3.32 g Au/t over 3 m	25.3
412119	LM21-25	46	47	1.00	2820			
412121	LM21-25	47	48	1.00	45			
412122	LM21-25	48	49	1.00	52			
412123	LM21-25	49	50	1.00	3230			
412124	LM21-25	50	51	1.00	2850			
412125	LM21-25	51	52	1.00	3880			
412126	LM21-25	52	53	1.00	31			
412127	LM21-25	53	54	1.00	85			
412128	LM21-25	54	55	1.00	24			
412129	LM21-25	55	56	1.00	1760			
412131	LM21-25	56	57	1.00	9810		5.79 g Au/t over 2 m	
412138	LM21-25	72	73	1.00	591			
412139	LM21-25	73	74	1.00	1570			
412141	LM21-25	78	79	1.00	18			

Sample No.	DDH	From	To	Width	ng Au/g	Composites		g Au/t x m	
412142	LM21-25	79	80	1.00	712	1.13 g Au/t over 22 m	24.9		
412143	LM21-25	85	86	1.00	15				
412144	LM21-25	86	87	1.00	3370				2.65 g Au/t over 2 m
412145	LM21-25	87	88	1.00	1930				
412146	LM21-25	88	89	1.00	10				
412147	LM21-25	89	90	1.00	57				
412148	LM21-25	90	91	1.00	47				
412149	LM21-25	91	92	1.00	13				
412151	LM21-25	92	93	1.00	96				
412152	LM21-25	93	94	1.00	7100				6.97 g Au/t over 2 m
412153	LM21-25	94	95	1.00	6840				
412154	LM21-25	95	96	1.00	16				
412155	LM21-25	96	97	1.00	8				
412157	LM21-25	97	98	1.00	8				
412158	LM21-25	98	99	1.00	13				
412159	LM21-25	99	100	1.00	13				
412161	LM21-25	100	101	1.00	552	0.81 g Au/t over 3 m			
412162	LM21-25	101	102	1.00	439				
412163	LM21-25	102	103	1.00	1430				
412411	LM21-26	46.25	47	0.75	1440	1.05 g Au/t over 17.33 m	18.2		
412412	LM21-26	47	47.61	0.61	1320				
412413	LM21-26	47.61	48.55	0.94	952				
412414	LM21-26	48.55	49.52	0.97	55				
412415	LM21-26	49.52	50.52	1.00	22				
412417	LM21-26	50.52	51.52	1.00	3540				
412418	LM21-26	51.52	52.5	0.98	2020				
412419	LM21-26	52.5	53.5	1.00	70				
412421	LM21-26	53.5	54.5	1.00	31				
412422	LM21-26	54.5	55.5	1.00	1380				
412423	LM21-26	55.5	56.5	1.00	196				
412424	LM21-26	56.5	57.55	1.05	65				
412425	LM21-26	57.55	58.54	0.99	1250				
412426	LM21-26	58.54	59.6	1.06	1970				
412427	LM21-26	59.6	60.34	0.74	2580				
412428	LM21-26	60.34	61.12	0.78	902				
412429	LM21-26	61.12	62.63	1.51	19				
412431	LM21-26	62.63	63.58	0.95	2290				
412558	LM21-26	0	137	137.00	1010	1.93 g A/t	4.16 g Au/t over		
412559	LM21-26	137	138	1.00	6				
412561	LM21-26	138	139	1.00	450				
412562	LM21-26	139	140	1.00	18500				
412563	LM21-26	140	141	1.00	753				

Sample No.	DDH	From	To	Width	ng Au/g	Composites		g Au/t x m
412564	LM21-26	141	142	1.00	675	over 12 m	5 m	23.2
412565	LM21-26	142	143	1.00	429			
412566	LM21-26	143	144	1.00	170			
412567	LM21-26	144	145	1.00	351			
412568	LM21-26	145	146	1.00	135			
412569	LM21-26	146	147	1.00	320			
412571	LM21-26	147	148	1.00	420			
412734	LM21-27	22	23	1.00	8120	5.72 g Au/t 5 m	7.07 g Au/t over 4 m	28.6
412735	LM21-27	23	24	1.00	198			
412737	LM21-27	24	25	1.00	11900			
412738	LM21-27	25	26	1.00	8070			
412739	LM21-27	26	27	1.00	287			
412651	LM21-28A	156	157	1.00	3960	1.56 g Au/t over 5 m	3.54 g Au/t over 2 m	7.8
412652	LM21-28A	157	158	1.00	3120			
412653	LM21-28A	158	159	1.00	363			
412654	LM21-28A	159	160	1.00	234			
412655	LM21-28A	160	161	1.00	101			
412685	LM21-28A	247	248	1.00	225	0.66 g Au/t over 15 m		9.9
412686	LM21-28A	248	249	1.00	484			
412687	LM21-28A	249	250	1.00	485			
412688	LM21-28A	250	251	1.00	262			
412689	LM21-28A	251	252	1.00	60			
412691	LM21-28A	252	253	1.00	157			
412692	LM21-28A	253	254	1.00	564			
412693	LM21-28A	254	255	1.00	314			
412694	LM21-28A	255	256	1.00	46			
412695	LM21-28A	256	257	1.00	140			
412697	LM21-28A	257	258	1.00	1840			
412698	LM21-28A	258	259	1.00	474			
412699	LM21-28A	259	260	1.00	786			
412701	LM21-28A	260	261	1.00	3340			
412702	LM21-28A	261	262	1.00	786			
412295	LM21-29	198	199	1.00	4160	1.04 g Au/t over 9 m	2.22 g Au/t over 3 m	9.4
412297	LM21-29	199	200	1.00	676			
412298	LM21-29	200	201	1.00	1830			
412299	LM21-29	201	202	1.00	17			
412301	LM21-29	202	203	1.00	102			
412302	LM21-29	203	204	1.00	137			
412303	LM21-29	204	205	1.00	10			
412304	LM21-29	205	206	1.00	1470			

Sample No.	DDH	From	To	Width	ng Au/g	Composites		g Au/t x m
412305	LM21-29	206	207	1.00	947		over 2 m	
412352	LM21-29	269	270.04	1.04	1750	1.84 g Au/t over 4 m		7.4
412353	LM21-29	270	271	0.96	27			
412354	LM21-29	271	272	1.00	1280			
412355	LM21-29	272	273	1.00	2520			
412841	LM21-30	83	84	1.00	1710	1.90 g Au/t over 18 m	8.24 g Au/t over 2 m	34.2
412842	LM21-30	84	85	1.00	659			
412843	LM21-30	85	86	1.00	191			
412844	LM21-30	86	87	1.00	45			
412845	LM21-30	87	88	1.00	16			
412846	LM21-30	88	89	1.00	34			
412847	LM21-30	89	90	1.00	130			
412848	LM21-30	90	91	1.00	10100			
412849	LM21-30	91	92	1.00	6380			
412851	LM21-30	92	93	1.00	5			
412852	LM21-30	93	94	1.00	< 5			
412853	LM21-30	94	95	1.00	9			
412854	LM21-30	95	96	1.00	7			
412855	LM21-30	96	97	1.00	204			
412857	LM21-30	97	98	1.00	159			
412858	LM21-30	98	99	1.00	17			
412859	LM21-30	99	100	1.00	10500	7.14 g Au/t over 2 m		
412861	LM21-30	100	101	1.00	3780	7.14 g Au/t over 2 m		

## 12.0 DATA VERIFICATION AND QA/QC (JULIE SELWAY, P. GEO.)

### 12.1 Sample Preparation, Analyses and Security

#### 12.1.1 Sample Security

The 2021 drill core samples were flown from Lingman Lake camp site to Red Lake by chartered aircraft and then overland transport to Actlabs lab in Dryden. Chain of custody of the samples was maintained by minimizing the personnel involved and reducing transfer of the samples to one operation essentially from aircraft to truck for the trip to Dryden.

#### 12.1.2 Sample Preparation

For Spring (April to May) 2021 drilling for drill holes LM21-01 to 18, a total of 1,813 samples were submitted to Actlabs including 1,455 unique core samples, 347 QC samples and 11 grab samples.

The QC samples included: 97 quartz blanks, 25 samples of Oreas 209, 29 samples of Oreas 216, 7 samples of Oreas 223, 7 samples of 229b, 25 samples of Oreas 251, and 85 core duplicates.

In addition to the total original samples, 40 samples were re-assayed (job number: A21-10847). For the Fall (October to December) 2021 drilling for drill holes LM21-19 to 30, a total of 1,032 samples were submitted to Actlabs including 868 unique drill core samples, 159 QC samples and 5 grab samples. The QC samples include: 52 quartz blanks, 52 standards and 55 core duplicates. The standards consist of 11 samples of Oreas 216b, 7 samples of Oreas 223, 4 samples of Oreas 229b, 11 samples of Oreas 231, 6 samples of Oreas 235, 4 samples of Oreas 240 and 9 samples of Oreas 242 for a total of 52 standards.

The blank was ½ inch mesh coarse silica purchased from Analytical Solutions Ltd., Toronto, Ontario. The blanks are silica-rich with typically about 97% SiO<sub>2</sub>. Cement chips from the Lingman mine site were also used as blanks. The QC standards used during both drill programs are summarized with their certified Au values in Table 5. Summary of Standards used for the Spring and Fall 2021 drill .

*Table 5. Summary of Standards used for the Spring and Fall 2021 drill programs.*

QC Standard	Au (ppm) Certified value	Standard Deviation (ppm)	Matrix of Standard	Drill Program
Oreas 209	1.58	0.044	metased/basalt	Spring 2021 drill program
Oreas 216	6.66	0.155	greenstone	Spring 2021 drill program
Oreas 216b	6.66	0.158	greenstone	fall 2021 drill program
Oreas 223	1.78	0.045	greenstone	fall 2021 drill program
Oreas 229b	11.95	0.288	greenstone	Spring and fall 2021 drill program
Oreas 231	0.542	0.015	greenstone	fall 2021 drill program
Oreas 235	1.59	0.038	metasediments	fall 2021 drill program
Oreas 240	5.51	0.139	greenstone	fall 2021 drill program
Oreas 242	8.67	0.215	greenstone	fall 2021 drill program
Oreas 251	0.504	0.015	weathered greenstone	Spring 2021 drill program

Samples were cut as ½ core at 1 m intervals and included mafic metavolcanic host rock and quartz-carbonate veins. Samples in gold and sulphide mineralized zones were cut at 0.5 m intervals. Every 20 samples included one external blank, one external gold standard and one core duplicate. For the core duplicates, the original core was ¼ core and the core duplicate was ¼ core with ½ core remaining in the core box.



The samples were prepared, gold fire assays - AA and gold gravimetrics were completed by Actlabs Dryden lab. The multi-element analyses were completed by Actlabs Thunder Bay analytical lab. Actlabs Dryden lab has ISO 9001 certification and Thunder Bay lab has ISO 17025 certification. Samples with > 10 g/t Au were reanalyzed by gravimetrics.

**12.1.3 Sample Analyses**

The samples were prepared, gold fire assays - AA and gold gravimetrics were completed by Actlabs Dryden lab. The multi-element analyses were completed by Actlabs Thunder Bay analytical lab. Actlabs Dryden lab has ISO 9001 certification and Thunder Bay lab has ISO 17025 certification. Samples with > 10 g/t Au were reanalyzed by gravimetrics.

In the Qualified Person’s opinion, the sample preparation, security and analytical procedure was adequate and to industry standard for the purpose of future resource estimation.

**12.2 Quality Control**

**Spring (April to May) 2021 Drilling**

**12.2.1 Blanks Spring Program**

A total of 97 blank samples were inserted into the sample stream with the 2021 drill core. All of the blanks passed as they have values below three times the detection limit of 5 ppb (Figure 23). Thus, the drill core samples have no gold contamination.

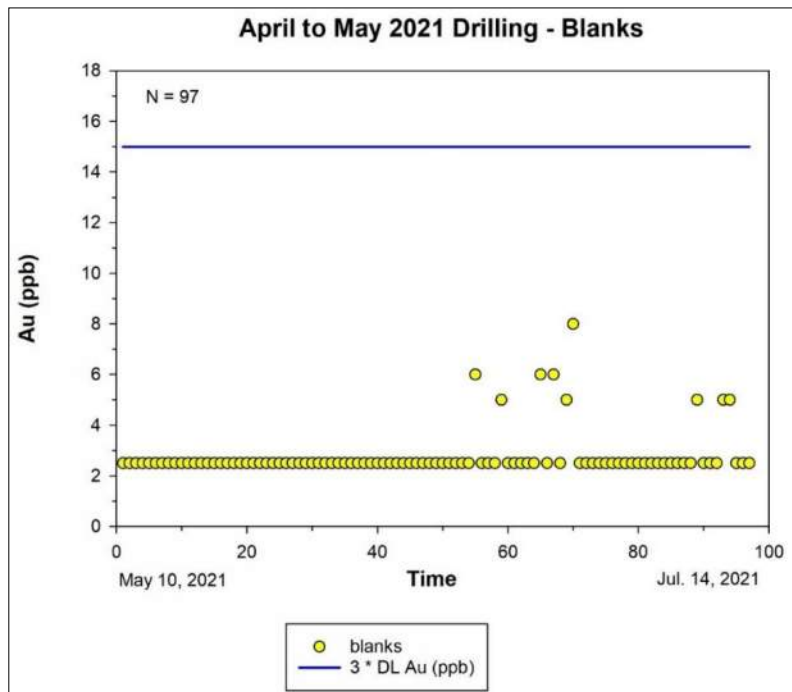


Figure 23. Control chart for Lingman Lake Lake April to Mau 2021 blanks Au (ppb) over time.

### 12.2.2 Standards Spring Program

A total of 25 samples of standard Oreas 251 with a certified value of 504 ppb Au was inserted into the sample stream with the drill core. All of the standard samples passed within  $\pm 2$  standard deviation except for one sample which passed within  $\pm 3$  standard deviation (Figure 24).

A total of 25 samples of standard Oreas 209 with a certified value of 1580 ppb Au was inserted into the sample stream with the drill core. All of the standard samples passed within  $\pm 2$  standard deviation (Figure 25).

A total of 7 samples of standard Oreas 223 with a certified value of 1780 ppb Au was inserted into the sample stream with the drill core. All of the standard samples passed within  $\pm 2$  standard deviation (Figure 26).

A total of 29 samples of standard Oreas 216 with a certified value of 6660 ppb Au was inserted into the sample stream with the drill core. All of the standard samples passed within  $\pm 2$  standard deviation except for three samples which passed within  $\pm 3$  standard deviation (Figure 27).

A total of 7 samples of standard Oreas 229b with a certified value of 11.95 ppm Au was inserted into the sample stream with the drill core. All of the standard samples passed within  $\pm 2$  standard deviation except for one sample which was a minor failure (Figure 28).

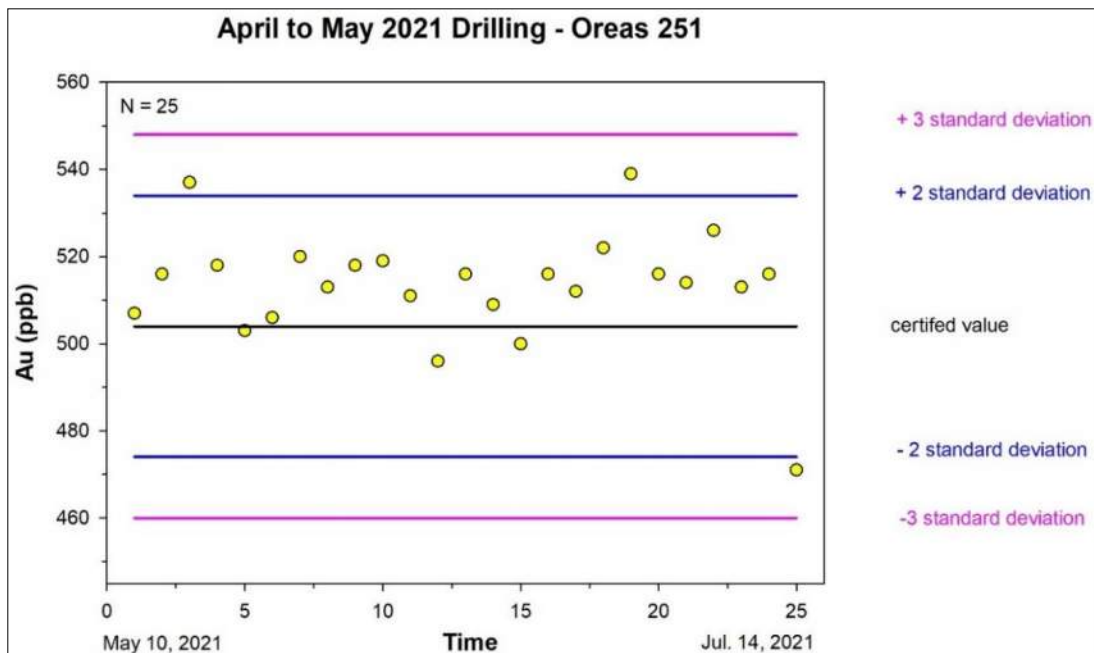


Figure 24. Control chart for Lingman Lake April to May 2021 standard Oreas 251, Au (ppb) over time.

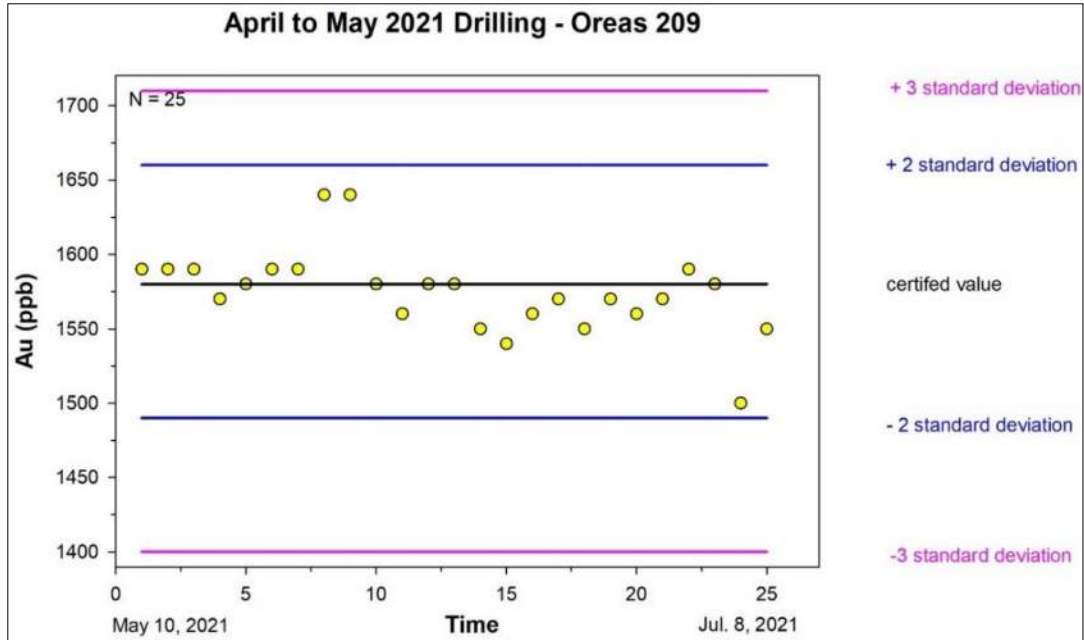


Figure 25. Control chart for Lingman Lake April to May 2021 standard Oreas 209, Au (ppb) over time.

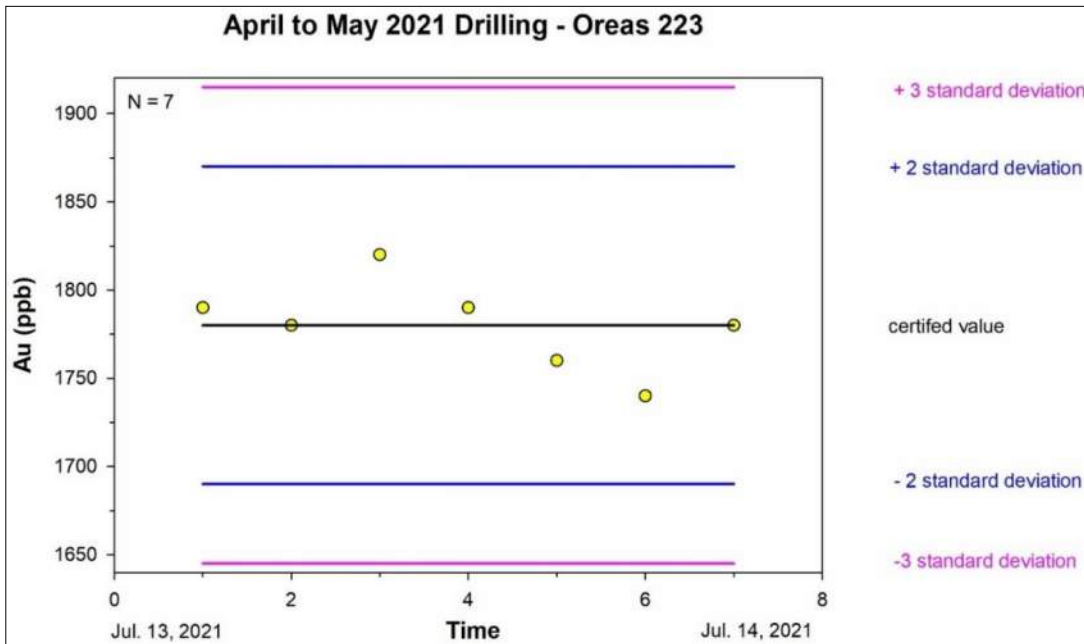


Figure 26. Control chart for Lingman Lake April to May 2021 Oreas 223, Au (ppb) over time.

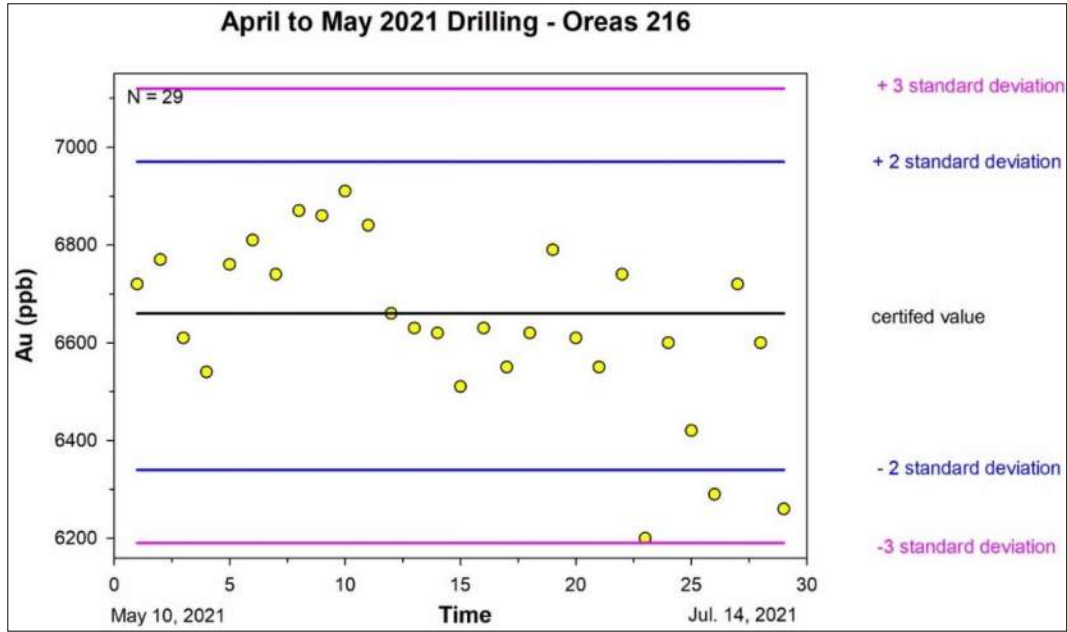


Figure 27. Control chart for Lingman Lake April to May 2021 standard Oreas 216, Au (ppb) over time.

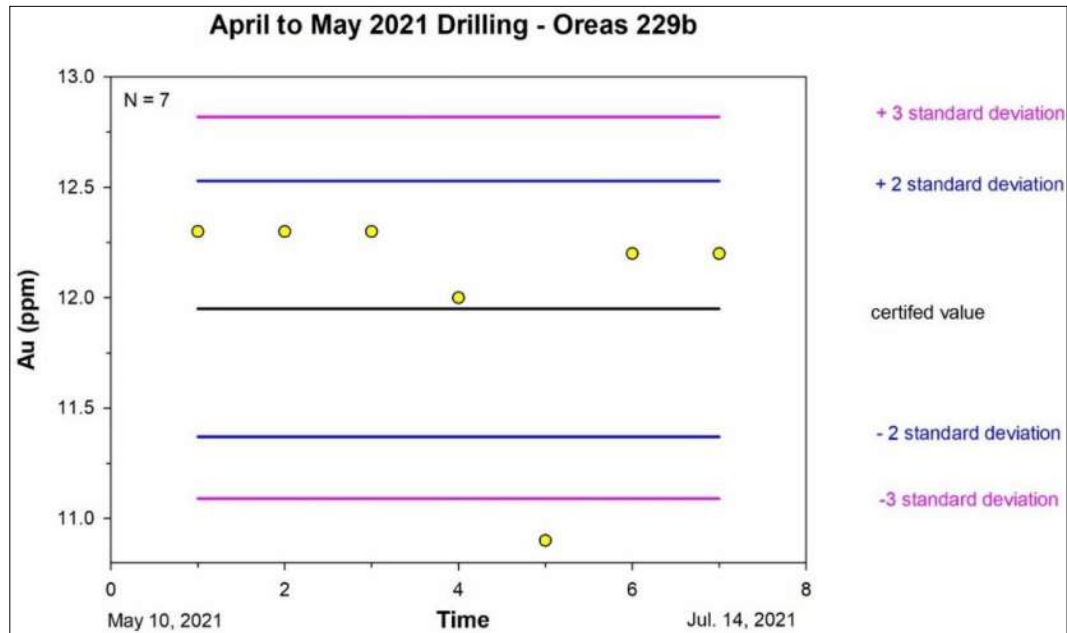


Figure 28. Control chart for Lingman Lake April to May 2021 standard Oreas 229b, Au (ppm) over time.

### ***12.2.3 Duplicates Spring Program***

A total of 85 core duplicate pairs were plotted in primary vs secondary analyses and in pair mean vs absolute pair difference plots (Figure 31) Several core duplicate pairs did not have a good match and were further examined. For each pair, the core photos were checked to make sure that there was no sampling error and the ICP analyses were checked to make sure that the core intervals were similar.

- 410015 from LM21-01 with 1160 and 498 ppb Au. ICP analyses indicate that the two samples are from the same drill core interval. Re-assay of the sample pair produced the similar results (Figure 32. Spring core duplicates plots: Primary vs Secondary Analyses Au (ppb). Fall (Oct to Dec) 2021 Drilling). It is concluded that there is a heterogeneous distribution of gold in the core interval.
- 410155 from LM21-03 with 50 and 153 ppb Au. ICP analyses indicate that the two samples are from the same drill core interval. Re-assay of the sample pair produced the similar results. It is concluded that there is a heterogeneous distribution of gold in the core interval.
- 410175 from LM21-03, 410235 from LM21-03, 410355 from LM21-04 core duplicate pairs were not re-assayed as they are too low grade to be significant.
- 410755 from LM21-08 with 489 and 399 ppb Au. Re-assay of the sample pair produced the similar results. It is concluded that there is a heterogeneous distribution of gold in the core interval.
- 410815 from LM21-08 has 602 and 25 ppb Au. Re-assay of the sample pair produced the similar results. It is concluded that there is a heterogeneous distribution of gold in the core interval.
- 411215 from LM21-10 has 762 and 91 ppb Au. Re-assay of the sample pair produced the similar results. It is concluded that there is a heterogeneous distribution of gold in the core interval.
- 411455 from LM21-17, 411635 from LM21-18 and 411675 from LM21-18 core duplicate pairs were not re-assayed as they are too low grade to be significant.
- 

A total of 12 core duplicate failures were identified out of 85 pairs for a failure rate of 14.1 %. The failures were identified as due to heterogenous distribution of gold in the samples. To further investigate the duplicates, the pulp duplicates and preparation duplicates were also plotted. A total of 147 pulp duplicate pairs were plotted and they all passed indicating that the analysis of the drill core is acceptable (Figure 29). Sample 411275 has 3640 and 3920 ppb Au is acceptable as it is a high-grade sample, and the two assays are similar. A total of 33 preparation duplicates were plotted and they all passed indicating that the analysis of the drill core is acceptable (Figure 30). Sample 411087 with 343 and 433 ppb Au is too low grade to be significant.

In the Qualified Person's opinion, the Quality Control of the blanks, standards and duplicates are acceptable for the purpose of a future resource estimate.

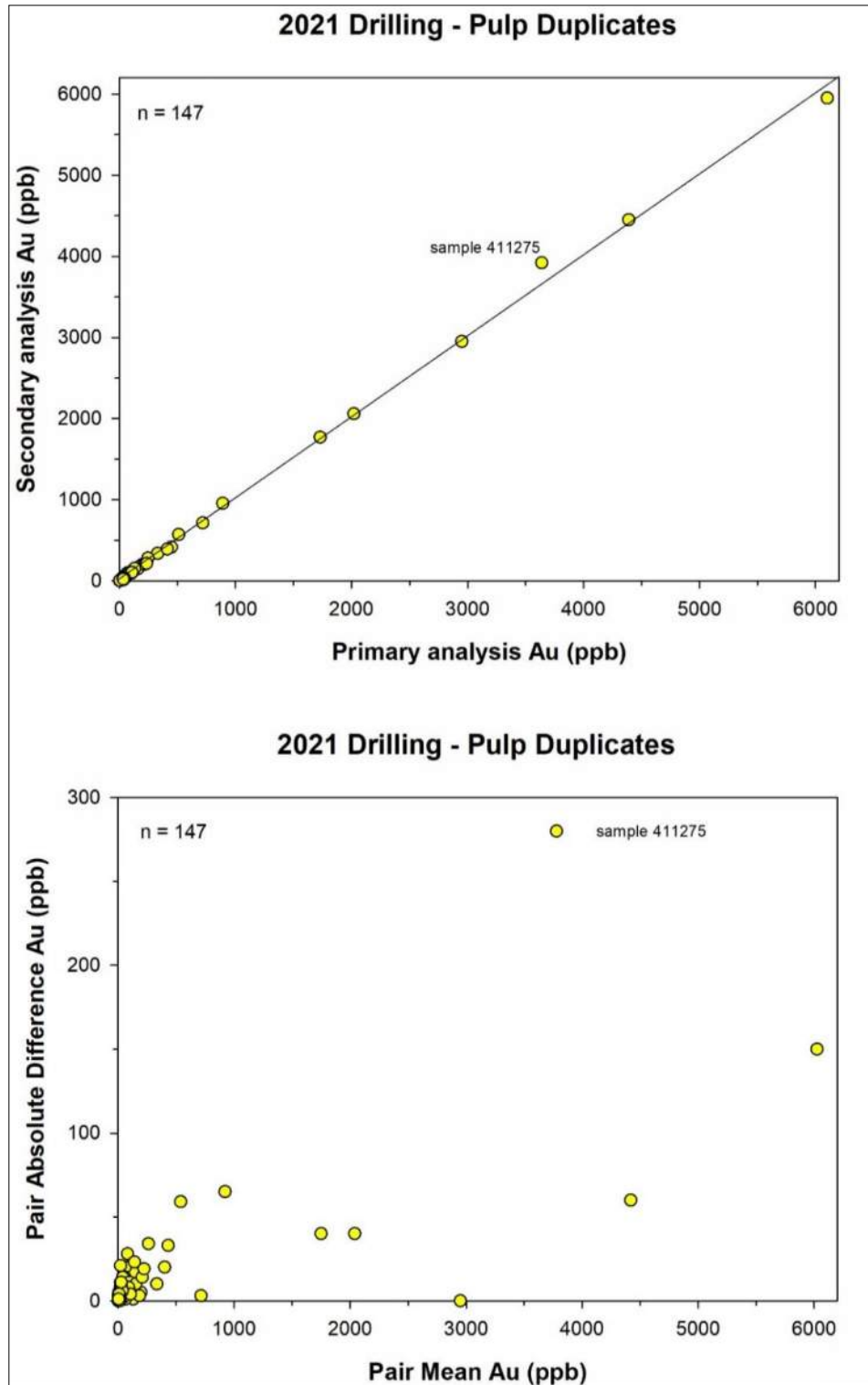


Figure 29. Spring pulp duplicates plots: Primary vs Secondary Analyses and Pair Mean vs Pair Absolute Difference Au (ppb).

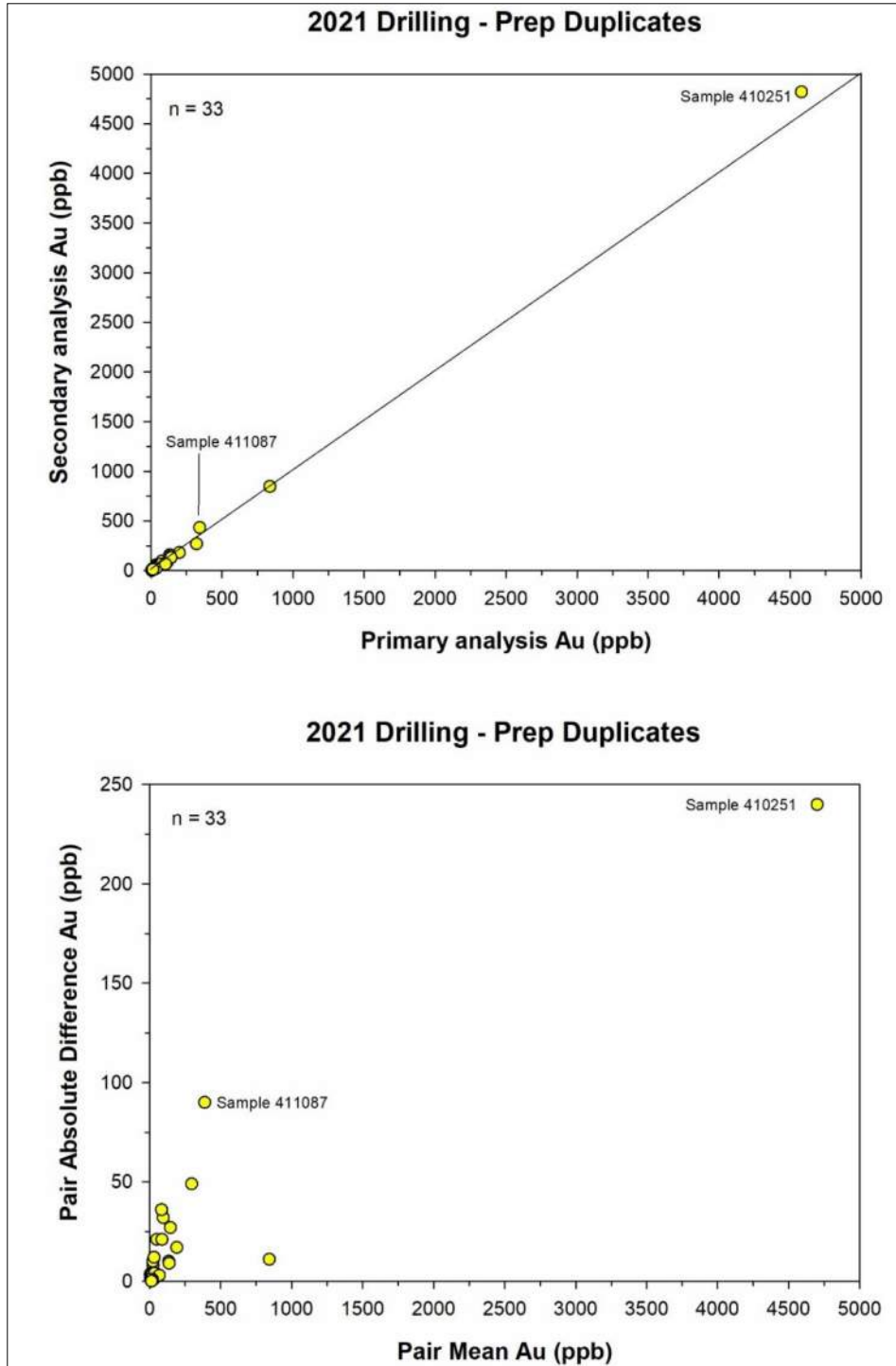


Figure 30. Spring preparation duplicates plots: Primary vs Secondary Analyses and Pair Mean vs Pair Absolute Difference Au (ppb).

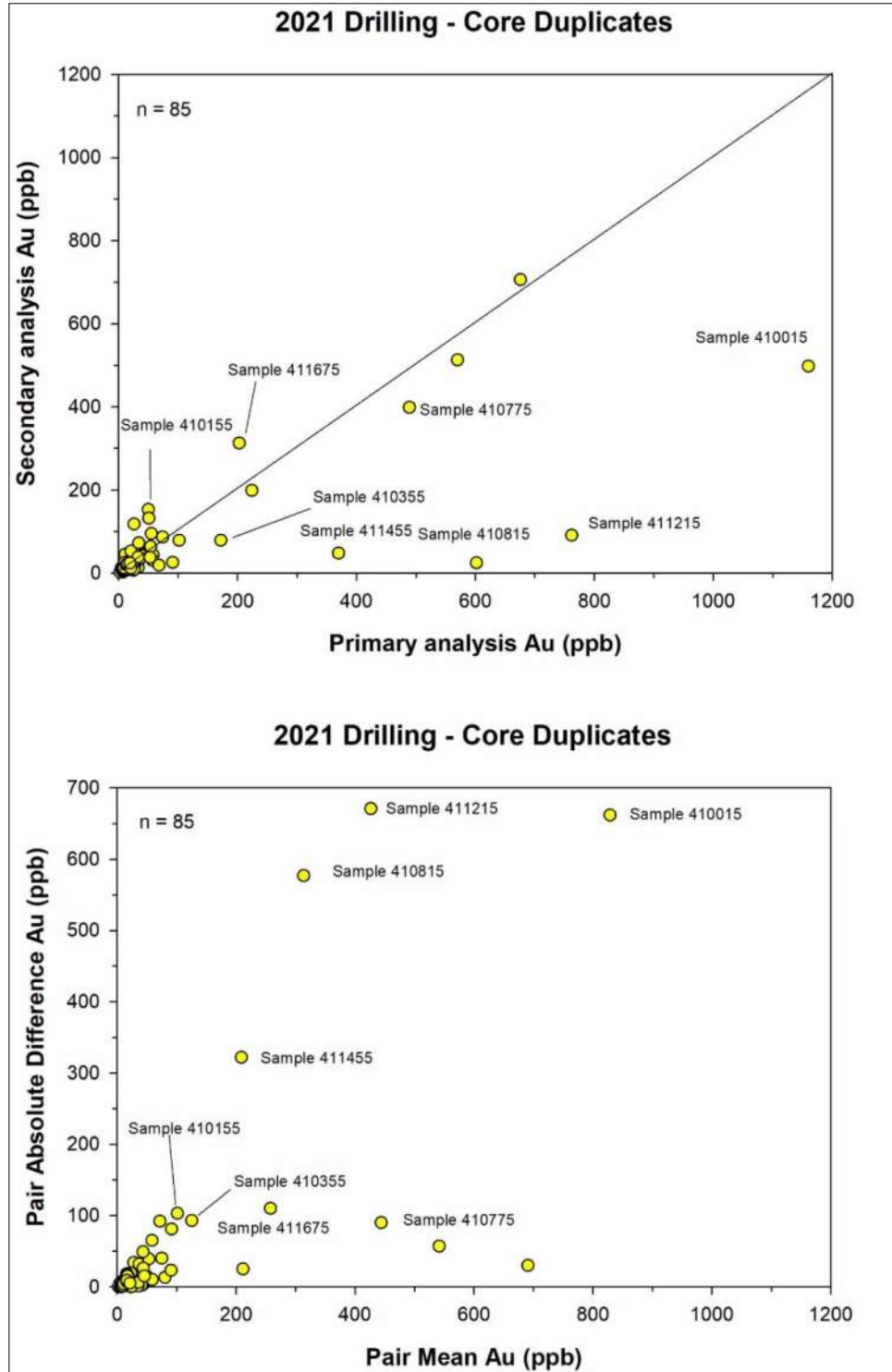


Figure 31. Spring core duplicates plots: Primary vs Secondary Analyses and Pair Mean vs Pair Absolute Difference Au (ppb).



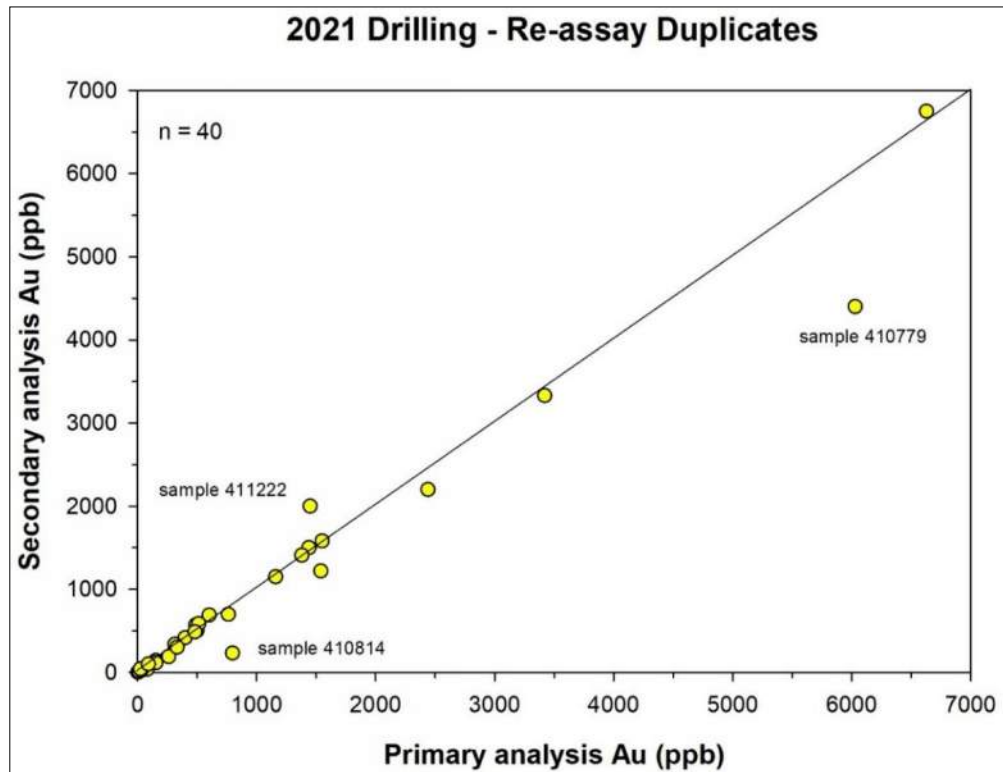
**Re-assay duplicates**

Figure 32. Spring core duplicates plots: Primary vs Secondary Analyses Au (ppb). Fall (Oct to Dec) 2021 Drilling.

**Fall (October to December) 2021 Drilling****12.2.4 Blanks Fall Program**

A total of 52 blank samples were inserted into the sample stream with the 2021 drill core. All of the blanks passed as they have values below three times the detection limit of 5 ppb, except for sample 412710 with 17 ppb Au (Figure 33). Sample 412710 is a minor failure with no mineralized samples nearby, so it has no effect on the drill core assays. Thus, the drill core samples have no gold contamination.

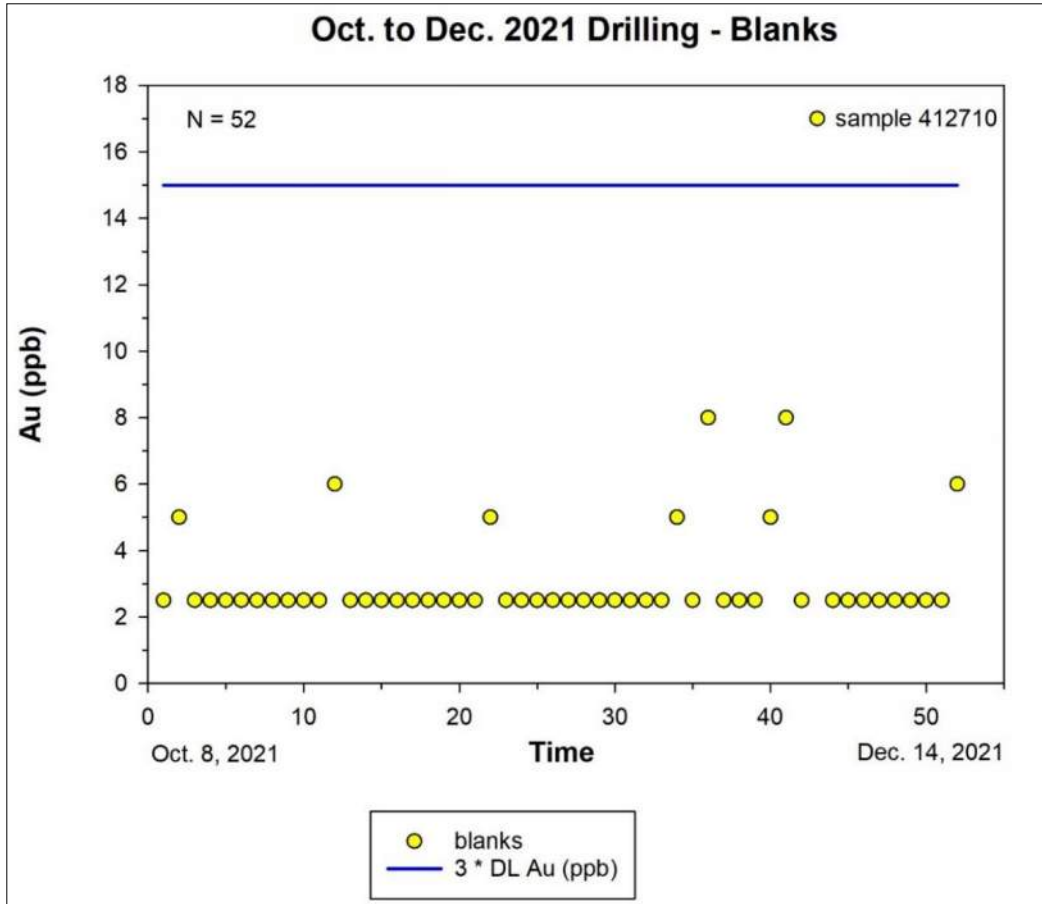


Figure 33. Control chart for Lingman Lake Oct to Dec 2021 blanks, Au (ppb) over time.

### 12.2.5 Standards Fall Program

A total of 11 samples of standard Oreas 231 with a certified value of 542 ppb Au was inserted into the sample stream with the drill core. All of the standard samples passed within  $\pm 2$  standard deviation except for two samples which passed within  $\pm 3$  standard deviation (Figure 34).

A total of 6 samples of standard Oreas 235 with a certified value of 1590 ppb Au was inserted into the sample stream with the drill core. All of the standard samples passed within  $\pm 2$  standard deviation.

A total of 7 samples of standard Oreas 223 with a certified value of 1780 ppb Au was inserted into the sample stream with the drill core. All of the standard samples passed within  $\pm 2$  standard deviation except for one sample which passed within  $\pm 3$  standard deviation (Figure 35).

A total of 4 samples of standard Oreas 240 with a certified value of 5510 ppb Au was inserted into the sample stream with the drill core. All of the standard samples passed within  $\pm 2$  standard deviation except for one sample which passed within  $\pm 3$  standard deviation.

A total of 11 samples of standard Oreas 216b with a certified value of 6660 ppb Au was inserted into the sample stream with the drill core. All of the standard samples passed within  $\pm 2$  standard deviation (Figure 37).

A total of 4 samples of standard Oreas 229b with a certified value of 11.95 ppm Au was inserted into the sample stream with the drill core. All of the standard samples passed within  $\pm 2$  standard deviation.

A total of 12 samples of standard Oreas 242 with a certified value of 8670 ppb Au was inserted into the sample stream with the drill core. All of the standard samples passed within  $\pm 2$  standard except for one sample which passed within  $\pm 3$  standard deviation (Figure 36).

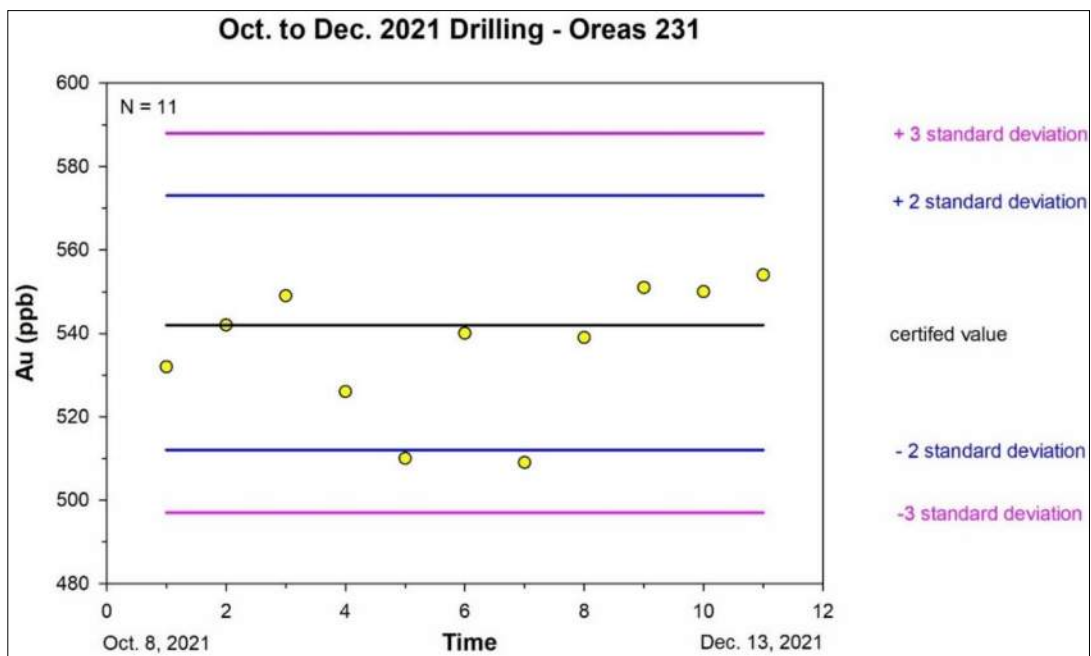


Figure 34. Control chart for Lingman Lake Oct to Dec 2021 standard Oreas 231 Au (ppb) over time.

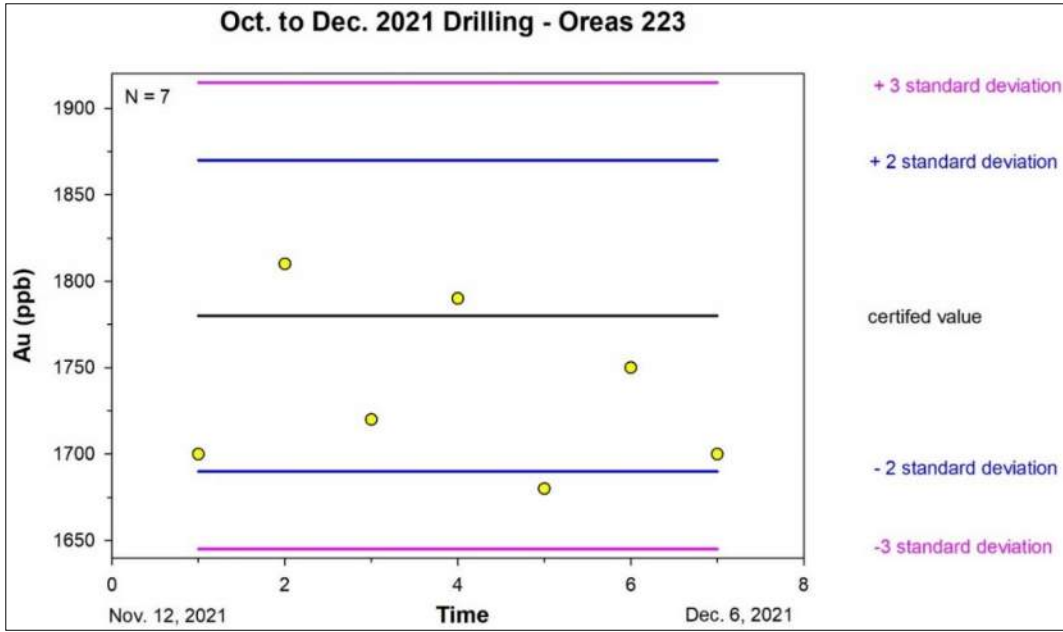


Figure 35. Control chart for Lingman Lake Oct to Dec 2021 Oreas 223 Au (ppb) over time.

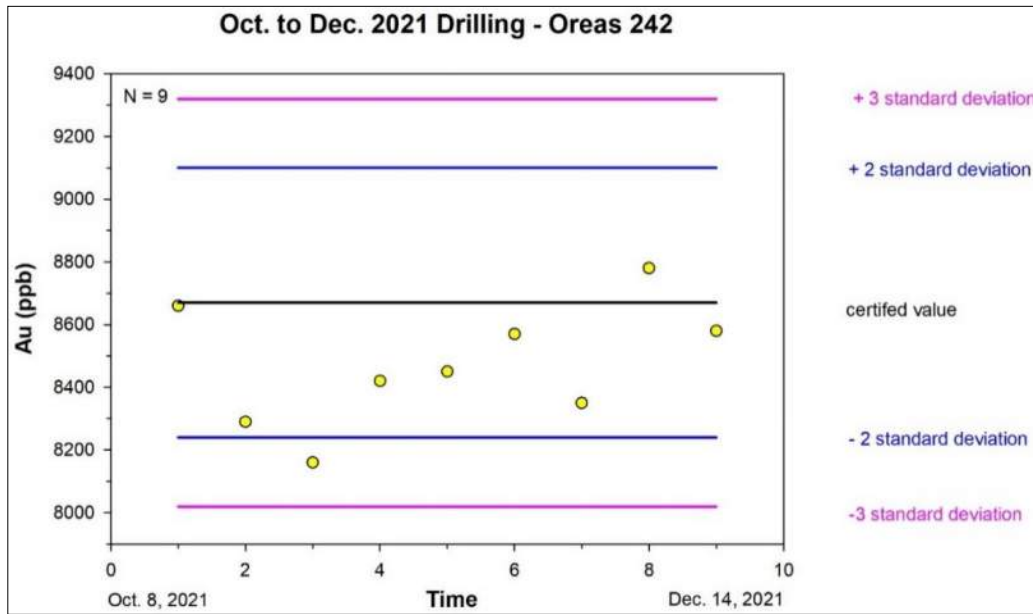


Figure 36. Control chart for Lingman Lake Oct to Dec 2021 standard 242, Au (ppb) over time.

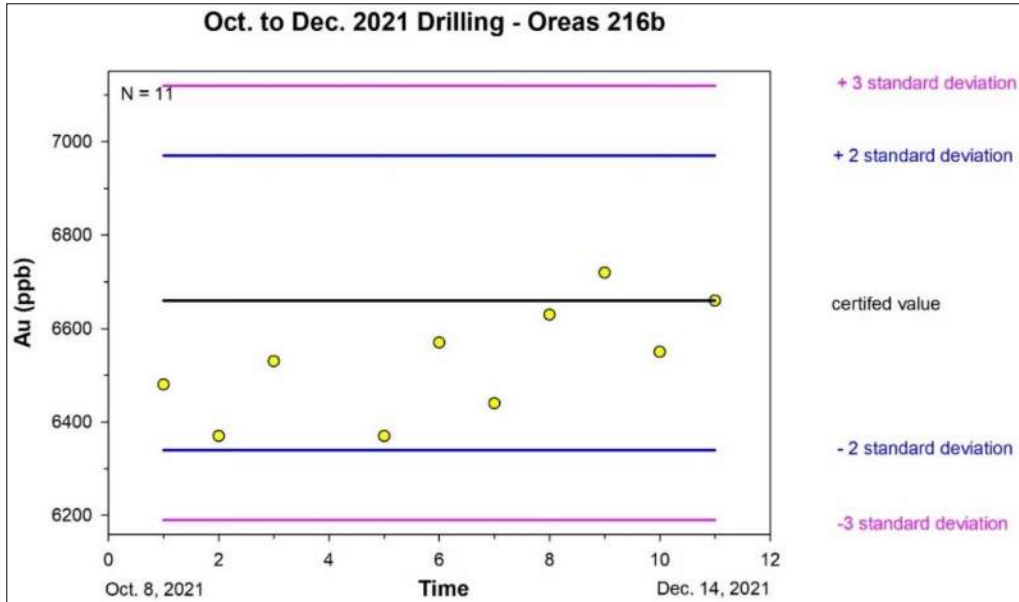


Figure 37. Control chart for Lingman Lake Oct to Dec 2021 standard Oreas 216b, Au (ppb) over time.

### 12.2.6 Duplicates Fall Program

A total of 55 core duplicate pairs were plotted in primary vs secondary analyses and in pair mean vs absolute pair difference plots (Figure 38). For each pair, the core photos were checked to make sure that there was no sampling error and the ICP analyses were checked to make sure that the core intervals were similar.

A total of 5 core duplicate failures were identified out of 55 pairs for a failure rate of 9.1 %. The failed core duplicate correlates with the high-grade assays for the drill program. The failed core duplicates are:

- 412395 from LM 21-26 with 5260 and 5950 ppb Au.
- 412435 from LM21-26 with 53 and 1510 ppb Au
- 412675 from LM21-28A with 1080 and 1990 ppb Au
- 412295 from LM21-29 with 4160 and 4500 ppb Au
- 412355 from LM21-29 with 1570 and 2520 ppb Au.
- 

The failures were identified as due to heterogenous distribution of gold in the samples. This is an acceptable failure rate for the core duplicates.

In the Qualified Person's opinion, the Quality Control of the blanks, standards and duplicates are acceptable for the purpose of a future resource estimate.

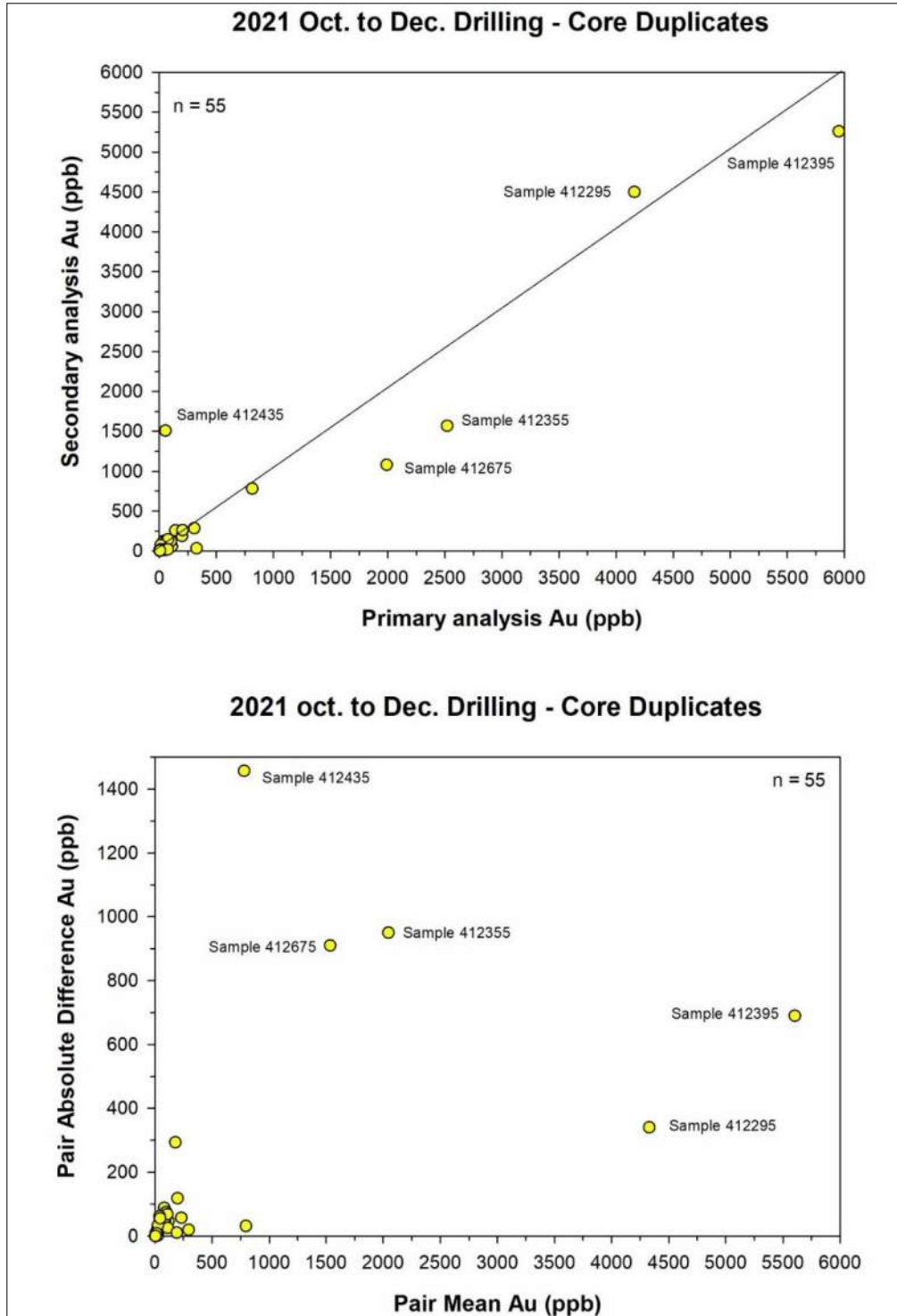


Figure 38. Fall core duplicates plots: Primary vs Secondary and Pair Mean vs Pair Absolute Difference Au (ppb).

### 12.3 Conclusions QA/QC

A QA/QC review of the standards and blanks for both 2021 drill programs indicate that they all passed, and the drill core assays are accurate and not contaminated. A review of core duplicates indicates that the core has a heterogeneous distribution of gold. A review of the pulp and preparation duplicates indicate that they all passed, and the assays are reproducible.

## 13.0 CONCLUSIONS AND RECOMMENDATIONS DRILLING

### 13.1 Conclusion

Mineralization on the Property is interpreted as an example of an orogenic lode gold deposit (*cf.*, Anderson, 2008). “Orogenic” is the term that has been coined to describe a class of epigenetic precious metal mineralization that is structurally hosted and found situated in metamorphic, particularly greenschist, terranes (Groves *et al.*, 1998; Kerrich *et al.*, 2000; Groves *et al.*, 2016). Large (“world-class”) deposits of this type are commonly located adjacent to large-scale fault or shear systems especially in second-order structures or splays related to their primary zone of deformation; these primary zones are likely trans-crustal sutures occurring between tectonically accreted terranes. Schematic views of the nature and setting of these deposit types are provided in Figure 39

As previously mentioned herein, the Island Lake and Uchi Domains of the western Superior Province are interpreted as being distinct younger assemblages that were accreted to the northern and southern margins respectively of the NCT. In the Lingman Lake area there are major geophysical boundaries that can be observed in the trend of the regional aeromagnetic data (Figure 40). These geophysical trends can be interpreted as regional structural zones demarcating the boundaries between geological terranes and/or domains. In the Island Lake area, geological mapping has identified several shear zones that probably relate to such features (Lin *et al.*, 1998).

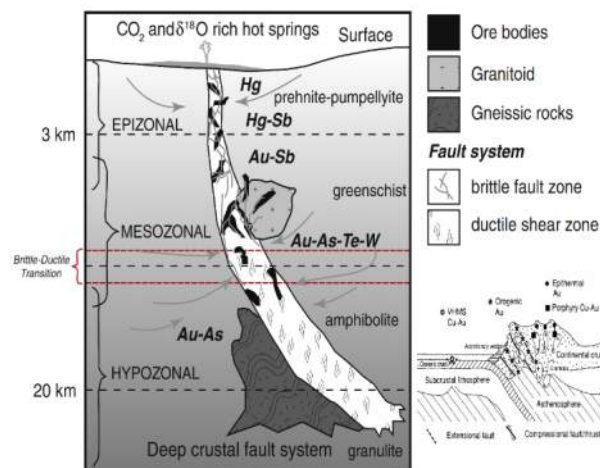


Figure 39. Setting and characteristics of Orogenic gold deposits.

Age-dating of rocks in the Island Lake Greenstone Belt and the Red Lake Greenstone Belt (“RLGB”) suggest that geological events were similar and contemporaneous on the north and south margins of the NCT (Parks *et al.*, 2003; Parks *et al.*, 2006). The similarity of mineralizing events, in particular as they relate to precious metals, can also be considered. Comparing gold deposits in the RLGB with the Lingman Lake deposit, the Madsen and nearby Starratt-Olsen gold deposits appear to possess certain features that are similar to those observed at the Property. The Madsen Mine produced over 7,600 kg of gold during its mine life with the Starratt-Olsen Mine adding an additional 510 kg to the production in that area of the RLGB (Lichtblau *et al.*, 2017). Exploration development continues at Madsen (Baker *et al.*, 2018).

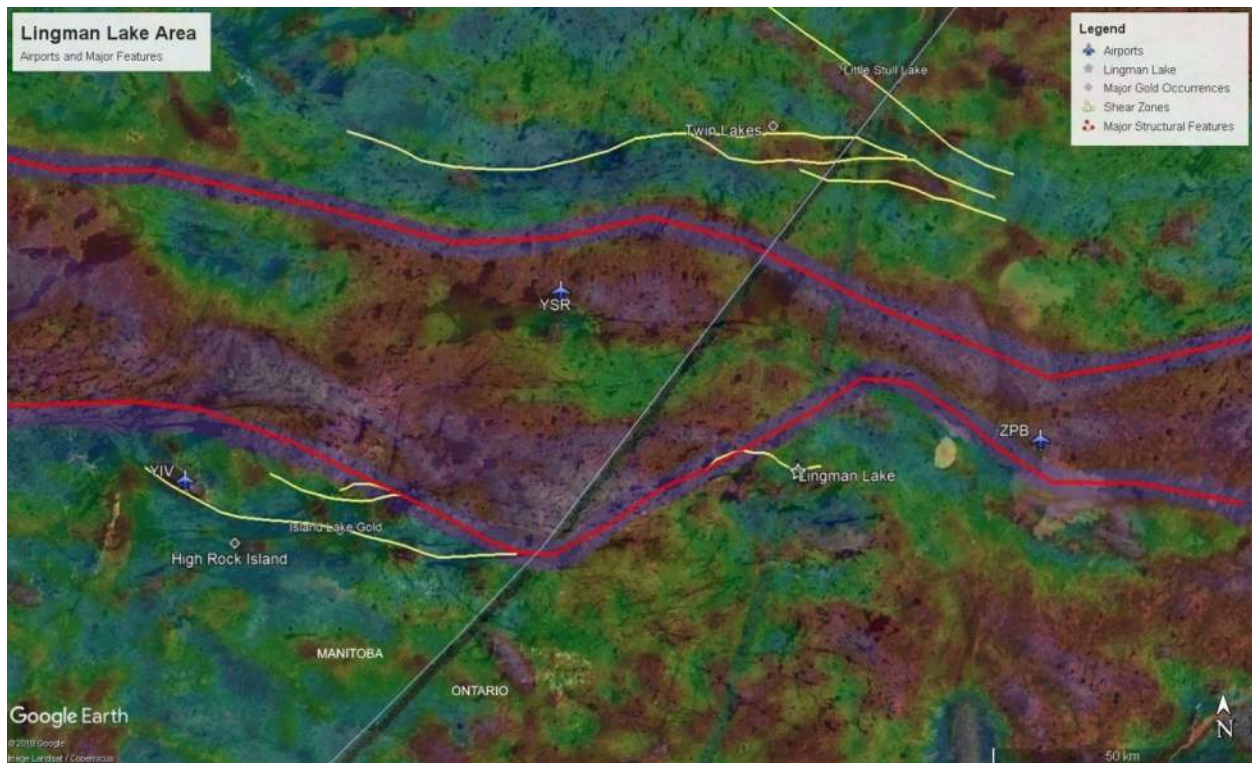


Figure 40. Lingman Lake area with respect to major regional aeromagnetic trends.

Historically, the Madsen deposit has been described as a “strata bound replacement-style, disseminated gold deposit” (Dubé *et al.*, 2000, Lichtblau and Storey, 2015) with the gold-bearing mineralization localized in tuffaceous rocks (the “Austin tuff”) along the unconformity between the Balmer and Confederation Assemblages in the RLGB. A banded and/or laminated core zone of alteration was said to be surrounded by an alumina-rich envelope. Mineralization was chiefly pyrite and pyrrhotite with arsenopyrite and some chalcopyrite. Tourmaline was an important accessory mineral; orpiment and realgar were also reported (Butler, 1955). The deposits (Madsen and Starratt-Olsen) are surrounded by litho-geochemical anomalies including Sb, B (tourmaline?) and Li (potash?), identified by Durocher (1983).



Baker *et al.* (2018), note that gold mineralization at Madsen is associated with strongly silicified and foliated rocks. The alteration is such that a protolith is unrecognizable but believed to be pillowed mafic volcanic rocks. They do not note a correlation between sulphide content and gold grade. Strongly altered peridotites are also noted to be present proximal to (but not hosting) gold-bearing mineralization. Brittle faulting with some fault gouge is noted at Starratt-Olsen but these are thought to be late structural features. Similarly, Durocher and Hugon (1983) had described the Austin tuff as actually representing a shear zone (the “Austin Shear Zone”) within the Flat Lake - Howey Bay Deformation Zone. Litho-geochemistry was consistent with the original rocks being highly altered and deformed mafic volcanic flows. The similarities between the Property and the Madsen area of the Red Lake Mining camp with regard to the geological setting, structure, alteration, style of mineralization and element associations are important considerations for the possibilities of continued successful exploration at the Property.

### **13.2 Recommendations**

With respect to recommendations for continued exploration at the Property, as Komarechka and Hanych (2017) noted, structural geology will likely be the most important component of future mapping and interpretation of diamond drilling. While logging of oriented core was carried out using REFLEX® ACT III RD equipment during the Spring Program (holes 21-03 to 21-18), only about one third of the possible orientation marks on the lower half of the core at the completion of each drill run (nominally 3 m) were completed. The results of the available structural readings remain to be analyzed and would be an initial step to assist in the analysis of the geometry of mineralization.

Mechanical stripping and mapping of target outcrop areas in the area of the existing mine site can provide valuable information to supplement diamond drilling. The Company now has several pieces of equipment on-site that could aid in such a program. Mapping of the area covered by the drill program will be an important follow-up to the drill results.

Mineralogical studies should be carried out to study the nature of the associated alteration in greater detail. In addition, the mineralogy of the sulphides, sulpharsenides and possible sulphosalts could be examined to determine the exact habit(s) of the precious metals. Some litho-geochemical work (classical whole rock and complete digestions for trace elements) could aid the mineralogical work in helping to characterize the alteration and its patterns.

Specific areas for focus will need to be selected especially for future diamond drilling programs. Much of this planning will no doubt be reliant on the results and recommendations of an on-going NI43-101-compliant technical report and resource estimate (Signature Resources Ltd., News Release, June 29, 2022).

Recommendations are tabled below:

- Twin 7-10 of the 1940s drilling for grade and zone intercept confirmation.
- Continue drilling east of the dike along strike and dip/plunge of the North, Central and South zones.
- Mapping beyond west shore of Shoe Lake east to claim boundary with 'Others' patented claims, and from granite volcanic contact south to Lingman Lake.
- Detailed mapping of 'Mine Area'. May involve stripping and trenching on Patented claims.
- Detailed compilation of area in 'Item #3.
- Employ oriented core measurements in future drill programs.
- Mineralogical -Petrographic study.

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## **14.0 CERTIFICATES**

## CERTIFICATE OF AUTHOR

**John M. Siriunas, P.Eng.**

I, John M. Siriunas, P.Eng., do hereby certify that:

1. I am an associate independent consultant of Caracle Creek International Consulting Inc. and have an address at 25 3<sup>rd</sup> Side Road, Milton, Ontario, Canada, L9T 2W5.
2. I graduated from the University of Toronto (Toronto, Ontario) with a B.A.Sc. (Geological Engineering) in 1976 and from the University of Toronto (Toronto, Ontario) with an M.A.Sc. (Applied Geology and Geochemistry) in 1979.
3. I have been a member, in good standing, of the Association of Professional Engineers of Ontario since June 1980 (Licence Number 42706010) and possess a Certificate of Authorization to practice my profession.
4. I have practiced my profession continuously for 43 years and have been involved in mineral exploration, mine site geology, mineral resource and reserve estimations, preliminary economic assessments, pre-feasibility studies, due diligence, valuation and evaluation reporting, and have authored or co-authored numerous reports on a multitude of commodities including precious metals, base metals, nickel-copper-platinum group elements, lithium, iron ore and coal projects in the Americas.
5. I have read the definition of “Qualified Person” set out in National Instrument 43-101 Standards of Disclosure for Mineral Projects (“NI 43-101”) and certify that by reason of my education, affiliation with a professional association (as defined in NI 43-101) and past relevant work experience, I fulfill the requirements to be a “Qualified Person” for the purposes of NI 43-101.
6. I am responsible for co-authoring the report titled “Assessment Report, 2021 Diamond Drilling Program, Lingman Lake Gold Property, Red Lake Mining Division, Ontario, Canada (the “Report”), dated April 11, 2023.
7. I was personally involved, on site, with diamond drilling and sampling projects at the Lingman Lake Gold Property in the fall of 2018, the spring and fall of 2021, and the summer of 2022.
8. I am independent of Signature Resources Ltd. applying all of the tests in Section 1.5 of NI 43-101.
9. As of the Date of the Report, to the best of my knowledge, information and belief, the Sections of the Report for which I am responsible contain all scientific and technical information that is required to be disclosed to make the Report not misleading.

Signed at Milton, Ontario this 11<sup>th</sup> day of April, 2023.

“electronic signature”

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John M. Siriunas (M.A.Sc., P.Eng.)



**Julie Selway**  
40 Mission Hill  
Sudbury, Ontario, Canada, P3E 6M1  
Telephone: 705-690-7996  
Email: jselway@eastlink.ca

### CERTIFICATE OF QUALIFIED PERSON

I, Julie Selway, do hereby certify that:

1. I am employed as a Principal Geologist for geological consulting firm J J Minerals Inc, Sudbury, Ontario.
2. I am a Qualified Person for this Report entitled “Diamond drilling assessment report on the Lingman Lake Gold Property, Lingman Lake area, District of Kenora (Patrica Portion), Ontario, Canada”, and dated Apr. 11, 2023, and prepared for Signature Resources Ltd.
3. I hold the following academic qualifications: B.Sc. (Hons) Geology (1991) Saint Mary’s University; M.Sc. Geology (1993) Lakehead University; Ph.D. Mineralogy (1999) University of Manitoba.
4. I am a member of the Association of Professional Geoscientists of Ontario (Member #0738). I am a member in good standing of the Mineralogical Association of Canada, Geological Association of Canada and Mineralogical Society of America.
5. I am the co-author of six NI 43-101 Independent Technical Reports on gold properties in Ontario, six assessment reports on gold properties in Ontario and senior reviewer of seven NI 43-101 Reports on gold properties.
6. I have not visited the Lingman Lake Property.
7. As of the date of this certificate, to the best of my knowledge, information and belief, the report contains all scientific and technical information that is required to be disclosed to make this report not misleading.

Dated this 11<sup>th</sup> Day April 2023.

*Julie Selway*

Julie Selway, Ph.D., P. Geo.  
Principal Geologist, J-J Minerals





CERTIFICATE OF AUTHOR

Walter Hanych (P. Geo.)

Walter Hanych P. Geo., do hereby declare that:

1. I graduated in 1978 from Laurentian University, Sudbury, Ontario with an Honours Degree, Bachelor of Science in Geology.
2. I am a member in good standing with the Professional Geoscientists of Ontario, member number 1762.
3. I have been practicing my profession in exploration and advanced mine development projects for over 40-years in Canada, including, British Columbia, Nunavut Territory, Saskatchewan, Manitoba, Ontario, Quebec, and internationally in the U.S. and Ireland.
4. I am a member of the Society of Economic Geologists and Prospectors and Developers Association of Canada.
5. I am a co-author of this report titled; Assessment Report, 2021 Diamond Drill Program, Lingman Lake Gold Property, Red Lake Mining Division, Ontario, Canada, dated April 11<sup>th</sup>, 2023.
6. As of the date of this certificate, to the best of my knowledge, information and belief, the report contains all scientific and technical information that is required to be disclosed to make this report not misleading.

Walter Hanych, P. Geo. (#1762)



("signed")

*'Walter Hanych'*

Collingwood, Ontario

April 11<sup>th</sup>, 2023

## **15.0 APPENDIX-1. DIAMOND DRILL LOGS**

**Project:** Lingman Lake mine

**Hole:** LM21-01

<b>Target:</b>	WESTZ	<b>Survey Type:</b>	DGPS	<b>Logged By:</b>	J Siriunas	<b>Hole Type:</b>	DD
<b>UTM Grid:</b>	NAD83_Z15	<b>Survey By:</b>	M Cardinal	<b>Date Started:</b>		<b>Hole Diameter:</b>	7.57
<b>UTM East:</b>	507034.961	<b>Azimuth:</b>	1.3	<b>Date Completed:</b>		<b>Core Size:</b>	NQ
<b>UTM North:</b>	5968861.874	<b>Dip:</b>	-45	<b>Drill Company:</b>	Mike	<b>Casing Pulled?:</b>	<input type="checkbox"/>
<b>UTM Elevation (m):</b>	274.585	<b>Length (m):</b>	69	<b>Drill Rig:</b>	Rig1	<b>Casing Depth (m):</b>	6
<b>Local Grid:</b>		<b>NTS:</b>	53F15	<b>Drill Started:</b>	2021-03-16	<b>Reduced (m):</b>	
<b>Local East:</b>		<b>Township:</b>	Lingman Lake Area	<b>Drill Completed:</b>	2021-03-17	<b>Reduced Size:</b>	
<b>Local North:</b>		<b>Claim No.:</b>	PAT-40608			<b>Oriented?:</b>	<input type="checkbox"/>
<b>Local Elevation (m):</b>		<b>Comments:</b>					
<b>Hole Status:</b>	Completed						
<b>Hole Purpose:</b>	EXPL						

Depth (m)	Survey Method	Survey By	Date Surveyed	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Mag. Field	Accept Values?	Comments
0	ReflexEZS	J Siriunas	2021-03-17	-45	1.3	0	1.3		<input checked="" type="checkbox"/>	
15	ReflexEZS	J Siriunas	2021-03-17	-45	1.3	0	1.3		<input checked="" type="checkbox"/>	
21	ReflexEZS	J Siriunas	2021-03-17	-44.7	1.3	0	1.3		<input checked="" type="checkbox"/>	
27	ReflexEZS	J Siriunas	2021-03-17	-44.4	1.3	0	1.3		<input checked="" type="checkbox"/>	
33	ReflexEZS	J Siriunas	2021-03-17	-44.2	1.3	0	1.3		<input checked="" type="checkbox"/>	
39	ReflexEZS	J Siriunas	2021-03-17	-44	1.3	0	1.3		<input checked="" type="checkbox"/>	
45	ReflexEZS	J Siriunas	2021-03-17	-43.9	1.3	0	1.3		<input checked="" type="checkbox"/>	
51	ReflexEZS	J Siriunas	2021-03-17	-43.7	1.3	0	1.3		<input checked="" type="checkbox"/>	
57	ReflexEZS	J Siriunas	2021-03-17	-43.8	1.3	0	1.3		<input checked="" type="checkbox"/>	
63	ReflexEZS	J Siriunas	2021-03-17	-43.8	1.3	0	1.3		<input checked="" type="checkbox"/>	

Hole: LM21-01

Depth (m)	Survey Method	Survey By	Date Surveyed	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Mag. Field	Accept Values?	Comments
69	ReflexEZS	J Siriunas	2021-03-17	-43.8	1.3	0	1.3		<input checked="" type="checkbox"/>	

Hole: LM21-01

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best gpt	Ag Best ppm	Cu Best ppm	As ICP ppm	S ICP pct
0.00	7.00	CAS Casing									
7.00	22.72	MV Mafic Volcanics	12.00	13.00	1.00	410001	0.0025	0.4	8	4	0.02
hazy plagioclase phenocrysts occasional QZ - MU veinlet at variable orientation			13.00	14.00	1.00	410002	0.0025	0.4	9	6	0.01
			14.00	15.00	1.00	410003	0.0025	0.1	5	6	0.03
			15.00	16.00	1.00	410004	0.0025	0.1	3	7	0.05
			16.00	17.00	1.00	410005	0.0025	0.1	4	4	0.03
			17.00	18.00	1.00	410006	0.0025	0.1	6	4	0.02
			18.00	19.00	1.00	410007	0.0025	0.6	7	3	0.01
			19.00	20.00	1.00	410008	0.0025	0.1	14	5	0.06
			20.00	21.00	1.00	410009	0.008	0.2	40	10	0.03
			21.00	22.00	1.00	410011	0.029	0.7	134	13	0.21
			22.00	23.00	1.00	410012	0.12	0.8	388	20	1.01
22.72	29.56	MV Mafic Volcanics	23.00	24.00	1.00	410013	0.036	0.3	90	11	0.25
WEST (NORTH) ZONE PY +/- PO, patchy or interstitial with minor foliation parallel QZ-CL-EP at lower contact			24.00	25.00	1.00	410014	0.131	0.6	113	301	1.09
			25.00	26.00	1.00	410015	1.16	0.9	150	1800	2.75
			26.00	27.00	1.00	410017	0.122	0.3	103	40	1
			27.00	28.00	1.00	410018	0.551	0.1	97	20	0.6
			28.00	29.00	1.00	410019	0.044	0.1	90	11	0.05
			29.00	30.00	1.00	410021	0.015	0.1	133	6	0.05
29.56	67.27	MV Mafic Volcanics	30.00	31.00	1.00	410022	0.009	0.1	126	3	0.07
some coarser grained sections occasional CL-EP +/- QZ zone, possible pillow rims? 61.30 m - 62.90 m massive grey QZ			31.00	32.00	1.00	410023	0.01	0.1	135	1	0.08
67.27	69.00	MV Mafic Volcanics									
EOH @ 69 m											

Hole: LM21-01

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best gpt	Ag Best ppm	Cu Best ppm	As ICP ppm	S ICP pct
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End of Hole @ 69

**Project:** Lingman Lake mine

**Hole:** LM21-02

<b>Target:</b>	WESTZ	<b>Survey Type:</b>	DGPS	<b>Logged By:</b>	J Siriunas	<b>Hole Type:</b>	DD
<b>UTM Grid:</b>	NAD83_Z15	<b>Survey By:</b>	M Cardinal	<b>Date Started:</b>		<b>Hole Diameter:</b>	7.57
<b>UTM East:</b>	507035.493	<b>Azimuth:</b>	0.7	<b>Date Completed:</b>		<b>Core Size:</b>	NQ
<b>UTM North:</b>	5968786.376	<b>Dip:</b>	-50.1	<b>Drill Company:</b>	Mike	<b>Casing Pulled?:</b>	<input type="checkbox"/>
<b>UTM Elevation (m):</b>	275.97	<b>Length (m):</b>	132.5	<b>Drill Rig:</b>	Rig1	<b>Casing Depth (m):</b>	3
<b>Local Grid:</b>		<b>NTS:</b>	53F15	<b>Drill Started:</b>	2021-03-17	<b>Reduced (m):</b>	
<b>Local East:</b>		<b>Township:</b>	Lingman Lake Area	<b>Drill Completed:</b>	2021-03-20	<b>Reduced Size:</b>	
<b>Local North:</b>		<b>Claim No.:</b>	PAT-40608			<b>Oriented?:</b>	<input type="checkbox"/>
<b>Local Elevation (m):</b>		<b>Comments:</b>					
<b>Hole Status:</b>	Completed						
<b>Hole Purpose:</b>	EXPL						

Depth (m)	Survey Method	Survey By	Date Surveyed	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Mag. Field	Accept Values?	Comments
0	ReflexEzs	J Siriunas	2021-03-20	-50.1	0.7	0	0.7		<input checked="" type="checkbox"/>	
6	ReflexEzs	J Siriunas	2021-03-20	-50.1	0.7	0	0.7		<input checked="" type="checkbox"/>	
12	ReflexEzs	J Siriunas	2021-03-20	-49.9	0.7	0	0.7		<input checked="" type="checkbox"/>	
18	ReflexEzs	J Siriunas	2021-03-20	-49.6	0.7	0	0.7		<input checked="" type="checkbox"/>	
24	ReflexEzs	J Siriunas	2021-03-20	-49.4	0.7	0	0.7		<input checked="" type="checkbox"/>	
30	ReflexEzs	J Siriunas	2021-03-20	-49.1	0.7	0	0.7		<input checked="" type="checkbox"/>	
36	ReflexEzs	J Siriunas	2021-03-20	-49	0.7	0	0.7		<input checked="" type="checkbox"/>	
42	ReflexEzs	J Siriunas	2021-03-20	-48.9	0.7	0	0.7		<input checked="" type="checkbox"/>	
48	ReflexEzs	J Siriunas	2021-03-20	-49.1	0.7	0	0.7		<input checked="" type="checkbox"/>	
54	ReflexEzs	J Siriunas	2021-03-20	-48.9	0.7	0	0.7		<input checked="" type="checkbox"/>	

Hole: LM21-02

Depth (m)	Survey Method	Survey By	Date Surveyed	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Mag. Field	Accept Values?	Comments
60	ReflexEZS	J Siriunas	2021-03-20	-48.7	0.7	0	0.7		<input checked="" type="checkbox"/>	
66	ReflexEZS	J Siriunas	2021-03-20	-48.6	0.7	0	0.7		<input checked="" type="checkbox"/>	
72	ReflexEZS	J Siriunas	2021-03-20	-48.4	0.7	0	0.7		<input checked="" type="checkbox"/>	
78	ReflexEZS	J Siriunas	2021-03-20	-48.2	0.7	0	0.7		<input checked="" type="checkbox"/>	
84	ReflexEZS	J Siriunas	2021-03-20	-48.1	0.7	0	0.7		<input checked="" type="checkbox"/>	
90	ReflexEZS	J Siriunas	2021-03-20	-47.8	0.7	0	0.7		<input checked="" type="checkbox"/>	
96	ReflexEZS	J Siriunas	2021-03-20	-47.6	0.7	0	0.7		<input checked="" type="checkbox"/>	
102	ReflexEZS	J Siriunas	2021-03-20	-47.4	0.7	0	0.7		<input checked="" type="checkbox"/>	
108	ReflexEZS	J Siriunas	2021-03-20	-47.3	0.7	0	0.7		<input checked="" type="checkbox"/>	
114	ReflexEZS	J Siriunas	2021-03-20	-47.1	0.7	0	0.7		<input checked="" type="checkbox"/>	
120	ReflexEZS	J Siriunas	2021-03-20	-47.1	0.7	0	0.7		<input checked="" type="checkbox"/>	
126	ReflexEZS	J Siriunas	2021-03-20	-47.1	0.7	0	0.7		<input checked="" type="checkbox"/>	
132	ReflexEZS	J Siriunas	2021-03-20	-47.2	0.7	0	0.7		<input checked="" type="checkbox"/>	



Hole: LM21-02

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best gpt	Ag Best ppm	Cu Best ppm	As ICP ppm	S ICP pct
0.00	2.60	CAS Casing									
2.60	16.46	MV Mafic Volcanics									
<<Struc: 11.73 - 11.74: Fault gouge>> grey FG											
16.46	16.64	QFPO Quartz Feldspar Porphyry									
16.64	30.00	MV Mafic Volcanics	29.00	30.00	1.00	410024	0.006	0.1	38	1	0.06
<<Struc: 16.64 - 79.3: >> grey FG											
30.00	79.30	MV Mafic Volcanics	30.00	31.00	1.00	410025	0.196	0.4	135	1	0.68
QZ - CL +/- CA veining starting around 30 m PY +/- PO occurs near vein contacts but not within the veins <<Vein: 30 - 30.5: Quartz-Chlorite-Carbonate>> <<Vein: 31.7 - 31.82: Quartz-Chlorite-Carbonate>> <<Vein: 41.22 - 41.35: Quartz-Chlorite-Carbonate>> <<Vein: 43.79 - 43.86: Quartz-Chlorite-Carbonate>> <<Vein: 49.48 - 50.08: Quartz-Chlorite-Carbonate>> <<Vein: 50.95 - 51.2: Quartz-Chlorite-Carbonate>> <<Vein: 51.39 - 51.93: Quartz-Chlorite-Carbonate>> <<Vein: 52.4 - 52.92: Quartz-Chlorite-Carbonate>> <<Vein: 53.9 - 54.34: Quartz-Chlorite-Carbonate>> <<Vein: 55.07 - 55.4: Quartz-Chlorite-Carbonate>> <<Vein: 57.5 - 58.9: Quartz-Chlorite-Carbonate>> <<Vein: 61.24 - 61.32: Quartz-Chlorite-Carbonate>> <<Vein: 61.58 - 61.75: Quartz-Chlorite-Carbonate>> <<Vein: 68.77 - 69.05: Quartz-Chlorite-Carbonate>> <<Vein: 71.5 - 71.75: Quartz-Chlorite-Carbonate>> <<Vein: 78.32 - 79.05: Quartz-Chlorite-Carbonate>>											
			31.00	32.00	1.00	410026	0.017	0.2	96	6	0.26
			32.00	33.00	1.00	410027	0.022	0.3	98	6	0.17
			33.00	34.00	1.00	410028	0.01	0.3	102	8	0.09
			34.00	35.00	1.00	410029	0.009	0.4	114	11	0.08
			35.00	36.00	1.00	410031	0.037	0.5	209	7	0.26
			36.00	37.00	1.00	410032	0.008	0.2	81	12	0.12
			37.00	38.00	1.00	410033	0.012	0.1	35	11	0.1
			38.00	39.00	1.00	410034	0.009	0.1	36	12	0.04
			39.00	40.00	1.00	410035	0.009	0.1	73	16	0.18
			40.00	41.00	1.00	410037	0.024	0.1	104	7	0.36
			41.00	42.00	1.00	410038	0.177	0.4	110	14	0.91
			42.00	43.00	1.00	410039	0.007	0.3	92	8	0.3
			43.00	44.00	1.00	410041	0.13	0.3	195	26	0.57
			44.00	45.00	1.00	410042	0.013	0.1	98	6	0.29
			45.00	46.00	1.00	410043	0.006	0.1	71	10	0.2
			46.00	47.00	1.00	410044	0.665	0.1	91	7	0.3
			47.00	48.00	1.00	410045	0.008	0.3	88	1	0.3
			48.00	49.00	1.00	410046	0.008	0.4	125	2	0.47
			49.00	50.00	1.00	410047	0.143	0.5	69	4	0.82
			50.00	51.00	1.00	410048	0.237	1.4	118	10	1.34

Hole: LM21-02

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best gpt	Ag Best ppm	Cu Best ppm	As ICP ppm	S ICP pct
			51.00	52.00	1.00	410049	0.611	0.8	111	19	1.46
			52.00	53.00	1.00	410051	0.039	0.4	97	1	0.88
			53.00	54.00	1.00	410052	0.149	0.6	167	1	1.35
			54.00	55.00	1.00	410053	0.24	0.5	141	4	1.39
			55.00	56.00	1.00	410054	0.028	1.1	155	12	0.53
			56.00	57.00	1.00	410055	0.007	0.3	86	1	0.17
			57.00	58.00	1.00	410057	0.027	0.6	115	1	0.59
			58.00	59.00	1.00	410058	0.036	0.6	114	2	0.74
			59.00	60.00	1.00	410059	0.01	0.4	95	1	0.33
<b>79.30</b>	<b>80.64</b>	<b>MV Mafic Volcanics</b>									
sharp probably intrusive contacts at 60 degrees TCA											
<b>80.64</b>	<b>94.24</b>	<b>MV Mafic Volcanics</b>									
<b>94.24</b>	<b>94.76</b>	<b>MV Mafic Volcanics</b>									
sharp probably intrusive contacts at 60 degrees TCA											
<b>94.76</b>	<b>107.28</b>	<b>MV Mafic Volcanics</b>									
breccia zones (+/- gouge) from 100.04 m - 100.87 m, 103.70 m - 103.95 m, 106.13 m - 106.39 m and at 105.50 m and 106.82 m (with vuggy PY)											
<<Struc: 100.04 - 100.87: Fault gouge>>											
<<Struc: 103.7 - 103.95: Brecciated >>											
<<Struc: 105.5 - 105.51: Brecciated >>											
<<Struc: 106.13 - 106.39: Brecciated >> Amphibolitic											
<<Struc: 106.82 - 106.83: Brecciated >> Vuggy pyrite											
			96.00	97.00	1.00	410061	0.008	0.1	29	36	0.02
			97.00	98.00	1.00	410062	0.335	0.6	139	17	0.35
			98.00	99.00	1.00	410063	0.591	0.5	95	12	0.3
			99.00	100.00	1.00	410064	0.171	0.5	81	12	0.3
			100.00	101.00	1.00	410065	0.039	0.1	6	6	0.005
			101.00	102.00	1.00	410066	0.008	0.1	66	6	0.11
			102.00	103.00	1.00	410067	0.046	0.1	108	3	0.21
			103.00	104.00	1.00	410068	0.096	0.1	78	3	0.02
			104.00	105.00	1.00	410069	0.018	0.1	91	10	0.2
			105.00	106.00	1.00	410071	0.02	0.1	91	10	0.08
			106.00	107.00	1.00	410072	0.042	0.3	151	39	0.25
			107.00	107.50	0.50	410073	0.355	1	185	36	0.81

Hole: LM21-02

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best gpt	Ag Best ppm	Cu Best ppm	As ICP ppm	S ICP pct
<b>107.28</b>	<b>113.37</b>	<b>MV Mafic Volcanics</b>	107.50	108.00	0.50	410074	2.95	3.2	184	4360	2.96
silicification increases to almost massive QZ / QV from 108.69 m - 112.92 m only trace PY +/- PO narrow breccia / gouge zone at 108.66 m <<Alt: 107.28 - 113.37: intense Silicification >> <<Vein: 109 - 111: Quartz>> <<Struc: 108.66 - 108.67: Fault gouge>>			108.00	108.50	0.50	410075	1.84	2.1	137	2740	2.49
			108.50	109.00	0.50	410076	1.96	2.3	35	112	0.58
			109.00	110.00	1.00	410077	0.008	0.1	5	3	0.04
			110.00	111.00	1.00	410079	0.0025	0.1	4	1	0.005
			111.00	112.00	1.00	410081	0.0025	0.1	9	1	0.02
			112.00	113.00	1.00	410082	0.009	0.1	39	1	0.02
			113.00	114.00	1.00	410083	0.013	0.1	88	1	0.02
			114.00	115.00	1.00	410084	0.017	0.1	131	1	0.03
			115.00	116.00	1.00	410085	0.011	0.1	45	2	0.02
<b>113.37</b>	<b>132.50</b>	<b>LEP Leopard Rock</b>									
<<Vein: 132.34 - 132.39: Quartz>>											
<b>129.66</b>	<b>129.83</b>	<b>QFPO Quartz Feldspar Porphyry</b>									
<b>129.83</b>	<b>132.50</b>	<b>LEP Leopard Rock</b>									
EOH @ 132.5 m <<Vein: 132.34 - 132.39: Quartz>>											

End of Hole @ 132.5

**Project:** Lingman Lake mine

**Hole:** LM21-03

<b>Target:</b>	WESTZ	<b>Survey Type:</b>	DGPS	<b>Logged By:</b>	J Siriunas	<b>Hole Type:</b>	DD
<b>UTM Grid:</b>	NAD83_Z15	<b>Survey By:</b>	M Cardinal	<b>Date Started:</b>		<b>Hole Diameter:</b>	7.57
<b>UTM East:</b>	506926.67	<b>Azimuth:</b>	0.1	<b>Date Completed:</b>		<b>Core Size:</b>	NQ
<b>UTM North:</b>	5968710.049	<b>Dip:</b>	-55.9	<b>Drill Company:</b>	Mike	<b>Casing Pulled?:</b>	<input type="checkbox"/>
<b>UTM Elevation (m):</b>	274.007	<b>Length (m):</b>	273	<b>Drill Rig:</b>	Rig1	<b>Casing Depth (m):</b>	3
<b>Local Grid:</b>		<b>NTS:</b>	53F15	<b>Drill Started:</b>	2021-03-22	<b>Reduced (m):</b>	
<b>Local East:</b>		<b>Township:</b>	Lingman Lake Area	<b>Drill Completed:</b>	2021-03-27	<b>Reduced Size:</b>	
<b>Local North:</b>		<b>Claim No.:</b>	PAT-40608			<b>Oriented?:</b>	<input checked="" type="checkbox"/>
<b>Local Elevation (m):</b>		<b>Comments:</b>					
<b>Hole Status:</b>	Completed						
<b>Hole Purpose:</b>	EXPL						

Depth (m)	Survey Method	Survey By	Date Surveyed	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Mag. Field	Accept Values?	Comments
0	ReflexEZG	J Siriunas	2021-03-27	-55.9	0.1	0	0.1		<input checked="" type="checkbox"/>	
5	ReflexEZG	J Siriunas	2021-03-27	-55.9	0.5	0	0.5		<input checked="" type="checkbox"/>	
10.07	ReflexEZG	J Siriunas	2021-03-27	-55.5	0.86	0	0.86		<input checked="" type="checkbox"/>	
15.05	ReflexEZG	J Siriunas	2021-03-27	-55	1.49	0	1.49		<input checked="" type="checkbox"/>	
20.07	ReflexEZG	J Siriunas	2021-03-27	-54.6	1.93	0	1.93		<input checked="" type="checkbox"/>	
25.06	ReflexEZG	J Siriunas	2021-03-27	-54.4	1.99	0	1.99		<input checked="" type="checkbox"/>	
30	ReflexEZG	J Siriunas	2021-03-27	-54.2	2.15	0	2.15		<input checked="" type="checkbox"/>	
35.03	ReflexEZG	J Siriunas	2021-03-27	-54	2.16	0	2.16		<input checked="" type="checkbox"/>	
40.05	ReflexEZG	J Siriunas	2021-03-27	-53.9	2.22	0	2.22		<input checked="" type="checkbox"/>	
45.05	ReflexEZG	J Siriunas	2021-03-27	-53.8	2.43	0	2.43		<input checked="" type="checkbox"/>	

Hole: **LM21-03**

Depth (m)	Survey Method	Survey By	Date Surveyed	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Mag. Field	Accept Values?	Comments
50.04	ReflexEZG	J Siriunas	2021-03-27	-53.7	2.45	0	2.45		<input checked="" type="checkbox"/>	
55.07	ReflexEZG	J Siriunas	2021-03-27	-53.6	2.63	0	2.63		<input checked="" type="checkbox"/>	
60.08	ReflexEZG	J Siriunas	2021-03-27	-53.6	2.67	0	2.67		<input checked="" type="checkbox"/>	
65.03	ReflexEZG	J Siriunas	2021-03-27	-53.5	2.7	0	2.7		<input checked="" type="checkbox"/>	
70.07	ReflexEZG	J Siriunas	2021-03-27	-53.5	2.78	0	2.78		<input checked="" type="checkbox"/>	
75	ReflexEZG	J Siriunas	2021-03-27	-53.3	2.81	0	2.81		<input checked="" type="checkbox"/>	
80.01	ReflexEZG	J Siriunas	2021-03-27	-53.2	3.05	0	3.05		<input checked="" type="checkbox"/>	
85.04	ReflexEZG	J Siriunas	2021-03-27	-53.1	3.09	0	3.09		<input checked="" type="checkbox"/>	
90	ReflexEZG	J Siriunas	2021-03-27	-53	3.28	0	3.28		<input checked="" type="checkbox"/>	
95.04	ReflexEZG	J Siriunas	2021-03-27	-53	3.31	0	3.31		<input checked="" type="checkbox"/>	
100	ReflexEZG	J Siriunas	2021-03-27	-52.9	3.45	0	3.45		<input checked="" type="checkbox"/>	
105.06	ReflexEZG	J Siriunas	2021-03-27	-52.8	3.63	0	3.63		<input checked="" type="checkbox"/>	
110	ReflexEZG	J Siriunas	2021-03-27	-52.7	3.76	0	3.76		<input checked="" type="checkbox"/>	
115	ReflexEZG	J Siriunas	2021-03-27	-52.5	3.82	0	3.82		<input checked="" type="checkbox"/>	
120.04	ReflexEZG	J Siriunas	2021-03-27	-52.4	3.96	0	3.96		<input checked="" type="checkbox"/>	
125.05	ReflexEZG	J Siriunas	2021-03-27	-52.3	4.02	0	4.02		<input checked="" type="checkbox"/>	
130.08	ReflexEZG	J Siriunas	2021-03-27	-52.3	4.12	0	4.12		<input checked="" type="checkbox"/>	
135	ReflexEZG	J Siriunas	2021-03-27	-52.2	4.39	0	4.39		<input checked="" type="checkbox"/>	
140.04	ReflexEZG	J Siriunas	2021-03-27	-52	4.49	0	4.49		<input checked="" type="checkbox"/>	
145.01	ReflexEZG	J Siriunas	2021-03-27	-51.9	4.6	0	4.6		<input checked="" type="checkbox"/>	
150.06	ReflexEZG	J Siriunas	2021-03-27	-51.9	4.74	0	4.74		<input checked="" type="checkbox"/>	
155.02	ReflexEZG	J Siriunas	2021-03-27	-51.7	4.8	0	4.8		<input checked="" type="checkbox"/>	
160.04	ReflexEZG	J Siriunas	2021-03-27	-51.6	4.81	0	4.81		<input checked="" type="checkbox"/>	

Hole: LM21-03

Depth (m)	Survey Method	Survey By	Date Surveyed	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Mag. Field	Accept Values?	Comments
165.07	ReflexEZG	J Siriunas	2021-03-27	-51.6	4.95	0	4.95		<input checked="" type="checkbox"/>	
170.06	ReflexEZG	J Siriunas	2021-03-27	-51.5	4.92	0	4.92		<input checked="" type="checkbox"/>	
175.05	ReflexEZG	J Siriunas	2021-03-27	-51.3	5.2	0	5.2		<input checked="" type="checkbox"/>	
180.01	ReflexEZG	J Siriunas	2021-03-27	-51.2	5.26	0	5.26		<input checked="" type="checkbox"/>	
185.04	ReflexEZG	J Siriunas	2021-03-27	-51.1	5.34	0	5.34		<input checked="" type="checkbox"/>	
190.06	ReflexEZG	J Siriunas	2021-03-27	-51.1	5.61	0	5.61		<input checked="" type="checkbox"/>	
195.07	ReflexEZG	J Siriunas	2021-03-27	-51	5.59	0	5.59		<input checked="" type="checkbox"/>	
200	ReflexEZG	J Siriunas	2021-03-27	-50.8	5.6	0	5.6		<input checked="" type="checkbox"/>	
205.07	ReflexEZG	J Siriunas	2021-03-27	-50.8	5.68	0	5.68		<input checked="" type="checkbox"/>	
210	ReflexEZG	J Siriunas	2021-03-27	-50.7	5.86	0	5.86		<input checked="" type="checkbox"/>	
215.02	ReflexEZG	J Siriunas	2021-03-27	-50.5	6.02	0	6.02		<input checked="" type="checkbox"/>	
220	ReflexEZG	J Siriunas	2021-03-27	-50.4	6.26	0	6.26		<input checked="" type="checkbox"/>	
225.04	ReflexEZG	J Siriunas	2021-03-27	-50.3	6.46	0	6.46		<input checked="" type="checkbox"/>	
230.01	ReflexEZG	J Siriunas	2021-03-27	-50.1	6.66	0	6.66		<input checked="" type="checkbox"/>	
235	ReflexEZG	J Siriunas	2021-03-27	-49.7	6.63	0	6.63		<input checked="" type="checkbox"/>	
240	ReflexEZG	J Siriunas	2021-03-27	-49.5	6.88	0	6.88		<input checked="" type="checkbox"/>	
245	ReflexEZG	J Siriunas	2021-03-27	-49.4	7.03	0	7.03		<input checked="" type="checkbox"/>	
250.01	ReflexEZG	J Siriunas	2021-03-27	-49.3	6.87	0	6.87		<input checked="" type="checkbox"/>	
255.01	ReflexEZG	J Siriunas	2021-03-27	-49.2	6.92	0	6.92		<input checked="" type="checkbox"/>	
260.06	ReflexEZG	J Siriunas	2021-03-27	-49.2	7.08	0	7.08		<input checked="" type="checkbox"/>	
260.3	ReflexEZG	J Siriunas	2021-03-27	-49.4	7.08	0	7.08		<input checked="" type="checkbox"/>	



Hole: **LM21-03**

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best gpt	Ag Best ppm	Cu Best ppm	As ICP ppm	S ICP pct
			83.00	84.00	1.00	410117	0.013	0.5	276	20	1.41
			84.00	85.00	1.00	410118	0.033	0.3	273	50	1.2
<b>86.06</b>	<b>88.59 MV</b>	<b>Mafic Volcanics</b>									
massive possible intrusive contacts at 55 degrees TCA											
<b>88.59</b>	<b>164.57 MV</b>	<b>Mafic Volcanics</b>									
variable silicification +/- QVs +/- PY and PO starting around 99 m											
			94.00	95.00	1.00	410119	0.135	0.3	201	48	0.34
			95.00	96.00	1.00	410126	0.038	0.3	210	36	0.12
			96.00	97.00	1.00	410127	0.041	0.4	275	32	0.17
			97.00	98.00	1.00	410128	0.033	0.3	242	34	0.11
			98.00	99.00	1.00	410129	0.051	0.9	501	48	0.1
			99.00	100.00	1.00	410131	0.023	0.4	185	17	0.19
			100.00	101.00	1.00	410132	0.03	0.4	249	10	0.23
			101.00	102.00	1.00	410133	0.028	0.4	171	20	0.12
			102.00	103.00	1.00	410134	0.037	0.4	335	9	0.5
			103.00	104.00	1.00	410135	0.021	0.1	195	11	0.3
			104.00	105.00	1.00	410137	0.072	0.7	331	13	0.14
			105.00	106.00	1.00	410138	0.078	0.6	299	11	0.14
			106.00	107.00	1.00	410139	0.018	0.1	49	24	0.05
			107.00	108.00	1.00	410141	0.023	0.6	521	8	0.9
			108.00	109.00	1.00	410142	0.043	0.2	236	6	0.56
			109.00	110.00	1.00	410143	0.049	0.2	288	8	0.81
			110.00	111.00	1.00	410144	0.099	0.3	259	94	1.24
			111.00	112.00	1.00	410145	0.049	1.3	356	64	0.56
			112.00	113.00	1.00	410146	0.078	0.4	343	8	0.71
			113.00	114.00	1.00	410147	0.041	0.9	445	21	0.38
			114.00	115.00	1.00	410148	0.163	0.3	124	14	0.2
			115.00	116.00	1.00	410149	0.163	0.3	120	16	0.29
			116.00	117.00	1.00	410151	0.199	0.9	689	7	1.94



# GeoSpark: Drill Hole Report

Hole: LM21-03

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best gpt	Ag Best ppm	Cu Best ppm	As ICP ppm	S ICP pct
			117.00	118.00	1.00	410152	0.027	0.4	38	23	0.21
			118.00	119.00	1.00	410153	0.021	0.8	104	29	0.24
			119.00	120.00	1.00	410154	7.52	1	66	44	0.48
			120.00	121.00	1.00	410155	0.05	0.3	84	27	0.48
			121.00	122.00	1.00	410157	0.025	0.6	30	20	0.22
			122.00	123.00	1.00	410158	0.261	1.3	190	12	1.11
			123.00	124.00	1.00	410159	0.03	0.8	100	9	0.5
			124.00	125.00	1.00	410161	0.011	0.1	55	11	0.03
			125.00	126.00	1.00	410162	0.212	0.9	90	15	0.37
			126.00	127.00	1.00	410163	0.042	0.1	226	30	0.05
			127.00	128.00	1.00	410164	0.01	0.1	64	28	0.04
			128.00	129.00	1.00	410165	0.014	0.5	167	103	0.11
			129.00	130.00	1.00	410166	0.091	0.6	219	40	0.74
			130.00	131.00	1.00	410167	0.014	0.6	160	24	0.24
			131.00	132.00	1.00	410168	0.053	1.2	425	9	0.76
			132.00	133.00	1.00	410169	0.03	0.8	208	16	0.23
			133.00	134.00	1.00	410171	0.016	0.3	135	15	0.15
			134.00	135.00	1.00	410172	0.02	0.6	225	28	0.26
			135.00	136.00	1.00	410173	0.032	0.7	219	24	0.13
			136.00	137.00	1.00	410174	0.036	0.8	338	18	0.21
			137.00	138.00	1.00	410175	0.091	0.5	304	24	0.22
			138.00	139.00	1.00	410177	0.028	0.5	251	24	0.09
			139.00	140.00	1.00	410178	0.032	0.7	198	14	0.17
			140.00	141.00	1.00	410179	0.242	0.5	193	15	0.41
			141.00	142.00	1.00	410181	0.048	0.5	272	11	0.17
			142.00	143.00	1.00	410182	0.019	0.5	183	9	0.07
			143.00	144.00	1.00	410183	0.036	1	320	6	0.07
			144.00	145.00	1.00	410184	0.016	0.7	137	21	0.03
			145.00	146.00	1.00	410185	0.022	0.5	123	69	0.32

Hole: LM21-03

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best gpt	Ag Best ppm	Cu Best ppm	As ICP ppm	S ICP pct
			146.00	147.00	1.00	410186	0.051	0.3	88	47	0.07
			147.00	148.00	1.00	410187	0.012	0.3	51	45	0.06
			148.00	149.00	1.00	410188	0.0025	0.1	3	36	0.005
			149.00	150.00	1.00	410189	0.0025	0.1	1	8	0.005
			150.00	151.00	1.00	410191	0.011	0.3	64	7	0.13
			151.00	152.00	1.00	410192	0.029	0.2	73	3	0.05
			152.00	153.00	1.00	410193	0.022	0.1	37	4	0.04
			153.00	154.00	1.00	410194	0.04	0.1	111	14	0.19
			154.00	155.00	1.00	410195	0.03	0.1	35	18	0.47
			155.00	156.00	1.00	410197	14.9	1.5	86	165	1.59
			156.00	157.00	1.00	410198	0.16	0.2	53	8	0.61
			157.00	158.00	1.00	410199	0.717	0.2	75	23	0.48
			158.00	159.00	1.00	410201	0.837	0.3	104	28	1.3
			159.00	160.00	1.00	410202	0.006	0.1	83	5	0.38
			160.00	161.00	1.00	410203	0.035	0.3	92	28	0.36
			161.00	162.00	1.00	410204	0.02	0.4	111	13	0.56
			162.00	163.00	1.00	410205	0.029	0.4	114	9	0.6
			163.00	164.00	1.00	410206	0.094	0.8	166	29	0.47
			164.00	165.00	1.00	410207	0.093	0.8	170	22	0.55
			165.00	166.00	1.00	410208	0.131	0.9	105	72	1.08
			166.00	167.00	1.00	410209	0.05	0.4	41	5	0.96
			167.00	168.00	1.00	410211	0.083	0.4	42	2	0.84
			168.00	169.00	1.00	410212	0.049	0.6	71	1	1.04
			169.00	170.00	1.00	410213	0.069	0.7	113	3	0.82
			170.00	171.00	1.00	410214	0.062	0.8	165	5	0.9
			171.00	172.00	1.00	410215	0.224	1.7	120	5	0.66
			172.00	173.00	1.00	410217	0.33	3.7	251	11	1.06
			173.00	174.00	1.00	410218	0.041	0.7	171	8	0.31

**164.57 176.12 MV**

local contorted breccia zones

**Mafic Volcanics**

Hole: **LM21-03**

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best gpt	Ag Best ppm	Cu Best ppm	As ICP ppm	S ICP pct
			174.00	175.00	1.00	410219	0.009	0.1	21	8	0.23
			175.00	176.00	1.00	410221	0.027	0.3	59	6	0.33
			176.00	177.00	1.00	410222	0.034	0.4	62	1	0.13
<b>176.12</b>	<b>180.50</b>	<b>MV Mafic Volcanics</b> hard, siliceous upper contact at 50 degrees TCA	177.00	178.00	1.00	410223	0.0025	0.1	12	2	0.1
			178.00	179.00	1.00	410224	0.0025	0.2	14	1	0.07
			179.00	180.00	1.00	410225	0.0025	0.3	17	1	0.1
			180.00	181.00	1.00	410226	0.133	1.1	169	257	0.12
<b>180.50</b>	<b>188.90</b>	<b>MV Mafic Volcanics</b> weak silicification	181.00	182.00	1.00	410227	0.251	0.8	101	67	0.14
			182.00	183.00	1.00	410228	0.073	0.6	116	123	0.19
			183.00	184.00	1.00	410229	0.101	1.6	369	24	0.69
			184.00	185.00	1.00	410231	0.423	1.4	408	367	1.11
			185.00	186.00	1.00	410232	0.443	3.2	721	306	1.78
			186.00	187.00	1.00	410233	0.012	0.8	202	7	0.39
			187.00	188.00	1.00	410234	0.039	1	284	1	0.33
			188.00	189.00	1.00	410235	0.051	1	148	5	0.39
<b>188.90</b>	<b>190.09</b>	<b>MYL Mylonite - intensively sheared rock</b> contorted breccia zone	189.00	190.00	1.00	410237	0.101	1.1	109	8	0.7
			190.00	191.00	1.00	410238	0.013	0.4	25	5	0.17
<b>190.09</b>	<b>193.80</b>	<b>MV Mafic Volcanics</b> breccia above upper contact QV at lower contact									
<b>193.80</b>	<b>218.11</b>	<b>MV Mafic Volcanics</b> weak foliation minor silicification from 199.64 m to 199.88 m with trace PY +/- PO bleached narrow shears from 202 m onward	199.00	200.00	1.00	410239	0.038	0.4	26	6	0.17
			211.00	212.00	1.00	410241	0.809	1.4	46	40	0.2

Hole: LM21-03

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best gpt	Ag Best ppm	Cu Best ppm	As ICP ppm	S ICP pct
			212.00	213.00	1.00	410242	0.032	0.9	294	5	1.07
			213.00	214.00	1.00	410243	0.065	0.5	161	12	0.43
			214.00	215.00	1.00	410244	0.319	0.1	27	6	0.08
			215.00	216.00	1.00	410245	0.124	0.8	49	4	0.75
			216.00	217.00	1.00	410246	0.109	1.1	155	2	0.99
			217.00	218.00	1.00	410247	0.744	1.3	193	13	1.03
			218.00	219.00	1.00	410248	1.48	1.6	151	10	1.12
<b>218.11</b>	<b>218.54</b>	<b>MYL</b>	<b>Mylonite - intensively sheared rock</b>								
contorted breccia zone											
<b>218.54</b>	<b>219.08</b>	<b>MV</b>	<b>Mafic Volcanics</b>								
trace PY +/- PO											
<b>219.08</b>	<b>220.75</b>	<b>MYL</b>	<b>Mylonite - intensively sheared rock</b>								
contorted breccia											
massive QZ - CL from 219.76 m to 220.58 m											
<b>220.75</b>	<b>223.38</b>	<b>MV</b>	<b>Mafic Volcanics</b>								
trace PY +/- PO											
<b>223.38</b>	<b>225.75</b>	<b>MYL</b>	<b>Mylonite - intensively sheared rock</b>								
contorted breccia with QZ - CL and local PY +/- PO											
<b>225.75</b>	<b>228.48</b>	<b>MV</b>	<b>Mafic Volcanics</b>								
weak silicification											
<b>228.48</b>	<b>229.54</b>	<b>MV</b>	<b>Mafic Volcanics</b>								

Hole: **LM21-03**

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best gpt	Ag Best ppm	Cu Best ppm	As ICP ppm	S ICP pct
<b>229.54</b>	<b>236.86</b>	<b>MV Mafic Volcanics</b> weak silicification local PY +/- PO	230.00	231.00	1.00	410263	0.046	0.4	65	7	0.46
			231.00	232.00	1.00	410264	0.012	0.1	44	1	0.16
			232.00	233.00	1.00	410265	0.032	0.3	23	3	0.09
			233.00	234.00	1.00	410266	0.924	1.6	203	1	2.25
			234.00	235.00	1.00	410267	1.06	1.3	209	1	2.06
			235.00	236.00	1.00	410268	0.189	0.8	122	1	0.75
			236.00	237.00	1.00	410269	1.45	1.4	140	11	1.9
<b>236.86</b>	<b>240.21</b>	<b>MYL Mylonite - intensively sheared rock</b> contorted breccia, strongly foliated	237.00	238.00	1.00	410271	0.028	0.1	70	5	0.18
			238.00	239.00	1.00	410272	0.047	0.2	104	4	0.15
			239.00	240.00	1.00	410273	0.0025	0.1	27	13	0.18
			240.00	241.00	1.00	410274	0.329	0.1	63	5	0.51
<b>240.21</b>	<b>243.73</b>	<b>MV Mafic Volcanics</b> weak silicification	241.00	242.00	1.00	410275	0.022	0.1	22	18	0.19
			242.00	243.00	1.00	410277	0.008	0.1	23	10	0.37
			243.00	244.00	1.00	410278	0.036	0.2	129	1	0.19
<b>243.73</b>	<b>273.00</b>	<b>LEP Leopard Rock</b> EOH @ 273 m									
<b>End of Hole @ 273</b>											

**Project:** Lingman Lake mine

**Hole:** LM21-04

<b>Target:</b>	WESTZ	<b>Survey Type:</b>	DGPS	<b>Logged By:</b>	J Siriunas	<b>Hole Type:</b>	DD
<b>UTM Grid:</b>	NAD83_Z15	<b>Survey By:</b>	M Cardinal	<b>Date Started:</b>		<b>Hole Diameter:</b>	7.57
<b>UTM East:</b>	507007.183	<b>Azimuth:</b>	1.7	<b>Date Completed:</b>		<b>Core Size:</b>	NQ
<b>UTM North:</b>	5968721.932	<b>Dip:</b>	-51.2	<b>Drill Company:</b>	Mike	<b>Casing Pulled?:</b>	<input type="checkbox"/>
<b>UTM Elevation (m):</b>	274.749	<b>Length (m):</b>	237	<b>Drill Rig:</b>	Rig1	<b>Casing Depth (m):</b>	3
<b>Local Grid:</b>		<b>NTS:</b>	53F15	<b>Drill Started:</b>	2021-03-29	<b>Reduced (m):</b>	
<b>Local East:</b>		<b>Township:</b>	Lingman Lake Area	<b>Drill Completed:</b>	2021-04-03	<b>Reduced Size:</b>	
<b>Local North:</b>		<b>Claim No.:</b>	PAT-40608			<b>Oriented?:</b>	<input checked="" type="checkbox"/>
<b>Local Elevation (m):</b>		<b>Comments:</b>					
<b>Hole Status:</b>	Completed						
<b>Hole Purpose:</b>	EXPL						

Depth (m)	Survey Method	Survey By	Date Surveyed	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Mag. Field	Accept Values?	Comments
0	ReflexEZG	J Siriunas	2021-04-03	-51.2	1.7	0	1.7		<input checked="" type="checkbox"/>	
5	ReflexEZG	J Siriunas	2021-04-03	-51	2	0	2		<input checked="" type="checkbox"/>	
10	ReflexEZG	J Siriunas	2021-04-03	-50.9	2.1	0	2.1		<input checked="" type="checkbox"/>	
15	ReflexEZG	J Siriunas	2021-04-03	-50.9	2.1	0	2.1		<input checked="" type="checkbox"/>	
20	ReflexEZG	J Siriunas	2021-04-03	-50.8	2.2	0	2.2		<input checked="" type="checkbox"/>	
25	ReflexEZG	J Siriunas	2021-04-03	-50.7	2.2	0	2.2		<input checked="" type="checkbox"/>	
30	ReflexEZG	J Siriunas	2021-04-03	-50.6	2.3	0	2.3		<input checked="" type="checkbox"/>	
35	ReflexEZG	J Siriunas	2021-04-03	-50.4	2.6	0	2.6		<input checked="" type="checkbox"/>	
40	ReflexEZG	J Siriunas	2021-04-03	-50.2	2.6	0	2.6		<input checked="" type="checkbox"/>	
45	ReflexEZG	J Siriunas	2021-04-03	-50.1	2.7	0	2.7		<input checked="" type="checkbox"/>	

Hole: LM21-04

Depth (m)	Survey Method	Survey By	Date Surveyed	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Mag. Field	Accept Values?	Comments
50	ReflexEZG	J Siriunas	2021-04-03	-49.9	2.7	0	2.7		<input checked="" type="checkbox"/>	
55	ReflexEZG	J Siriunas	2021-04-03	-49.8	2.7	0	2.7		<input checked="" type="checkbox"/>	
60	ReflexEZG	J Siriunas	2021-04-03	-49.7	2.9	0	2.9		<input checked="" type="checkbox"/>	
65	ReflexEZG	J Siriunas	2021-04-03	-49.6	3	0	3		<input checked="" type="checkbox"/>	
70	ReflexEZG	J Siriunas	2021-04-03	-49.6	3.1	0	3.1		<input checked="" type="checkbox"/>	
75	ReflexEZG	J Siriunas	2021-04-03	-49.5	3.3	0	3.3		<input checked="" type="checkbox"/>	
80	ReflexEZG	J Siriunas	2021-04-03	-49.4	3.3	0	3.3		<input checked="" type="checkbox"/>	
85	ReflexEZG	J Siriunas	2021-04-03	-49.3	3.5	0	3.5		<input checked="" type="checkbox"/>	
90	ReflexEZG	J Siriunas	2021-04-03	-49.2	3.5	0	3.5		<input checked="" type="checkbox"/>	
95	ReflexEZG	J Siriunas	2021-04-03	-49.1	3.6	0	3.6		<input checked="" type="checkbox"/>	
100	ReflexEZG	J Siriunas	2021-04-03	-49	3.7	0	3.7		<input checked="" type="checkbox"/>	
105	ReflexEZG	J Siriunas	2021-04-03	-48.9	3.7	0	3.7		<input checked="" type="checkbox"/>	
110	ReflexEZG	J Siriunas	2021-04-03	-48.8	3.6	0	3.6		<input checked="" type="checkbox"/>	
114	ReflexEZG	J Siriunas	2021-04-03	-48.7	3.8	0	3.8		<input checked="" type="checkbox"/>	
115	ReflexEZG	J Siriunas	2021-04-03	-48.7	3.7	0	3.7		<input checked="" type="checkbox"/>	
120	ReflexEZG	J Siriunas	2021-04-03	-48.6	3.8	0	3.8		<input checked="" type="checkbox"/>	
125	ReflexEZG	J Siriunas	2021-04-03	-48.5	3.9	0	3.9		<input checked="" type="checkbox"/>	
130	ReflexEZG	J Siriunas	2021-04-03	-48.4	3.9	0	3.9		<input checked="" type="checkbox"/>	
135	ReflexEZG	J Siriunas	2021-04-03	-48.2	4.1	0	4.1		<input checked="" type="checkbox"/>	
140	ReflexEZG	J Siriunas	2021-04-03	-48.1	4	0	4		<input checked="" type="checkbox"/>	
145	ReflexEZG	J Siriunas	2021-04-03	-48	4.1	0	4.1		<input checked="" type="checkbox"/>	
150	ReflexEZG	J Siriunas	2021-04-03	-47.9	4.3	0	4.3		<input checked="" type="checkbox"/>	
155	ReflexEZG	J Siriunas	2021-04-03	-47.9	4.2	0	4.2		<input checked="" type="checkbox"/>	

Hole: LM21-04

Depth (m)	Survey Method	Survey By	Date Surveyed	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Mag. Field	Accept Values?	Comments
160	ReflexEZG	J Siriunas	2021-04-03	-47.8	4.3	0	4.3		<input checked="" type="checkbox"/>	
165	ReflexEZG	J Siriunas	2021-04-03	-47.7	4.3	0	4.3		<input checked="" type="checkbox"/>	
170	ReflexEZG	J Siriunas	2021-04-03	-47.6	4.5	0	4.5		<input checked="" type="checkbox"/>	
175	ReflexEZG	J Siriunas	2021-04-03	-47.5	4.5	0	4.5		<input checked="" type="checkbox"/>	
180	ReflexEZG	J Siriunas	2021-04-03	-47.4	4.7	0	4.7		<input checked="" type="checkbox"/>	
185	ReflexEZG	J Siriunas	2021-04-03	-47.4	4.7	0	4.7		<input checked="" type="checkbox"/>	
190	ReflexEZG	J Siriunas	2021-04-03	-47.3	4.7	0	4.7		<input checked="" type="checkbox"/>	
195	ReflexEZG	J Siriunas	2021-04-03	-47.4	4.7	0	4.7		<input checked="" type="checkbox"/>	
200	ReflexEZG	J Siriunas	2021-04-03	-47.3	4.7	0	4.7		<input checked="" type="checkbox"/>	
205	ReflexEZG	J Siriunas	2021-04-03	-47.1	4.9	0	4.9		<input checked="" type="checkbox"/>	
210	ReflexEZG	J Siriunas	2021-04-03	-47.1	5.1	0	5.1		<input checked="" type="checkbox"/>	
215	ReflexEZG	J Siriunas	2021-04-03	-47.1	5.2	0	5.2		<input checked="" type="checkbox"/>	
220	ReflexEZG	J Siriunas	2021-04-03	-47.1	5.3	0	5.3		<input checked="" type="checkbox"/>	
225	ReflexEZG	J Siriunas	2021-04-03	-47.1	5.4	0	5.4		<input checked="" type="checkbox"/>	
228	ReflexEZG	J Siriunas	2021-04-03	-47	5.4	0	5.4		<input checked="" type="checkbox"/>	



Hole: LM21-04

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best gpt	Ag Best ppm	Cu Best ppm	As ICP ppm	S ICP pct
0.00	3.00	CAS									
		Casing									
3.00	98.14	MV									
		Mafic Volcanics	30.00	31.00	1.00	410279	0.03	0.3	176	286	0.43
weak foliation abundant broken core to about 9 m scattered QV or QV breccia sections PY +/- PO patches or foliation parallel from 30.50 m - 33.20 m, 45.25 m - 45.75 m, 58.70 m - 58.84 m, 60.22 m - 61.20 m lighter coloured bleaching between 38 m and 42 m											
			31.00	32.00	1.00	410281	0.047	0.5	389	113	0.97
			32.00	33.00	1.00	410282	0.097	0.9	1160	83	1.56
			33.00	34.00	1.00	410283	0.016	0.3	192	32	0.35
			34.00	35.00	1.00	410284	0.019	0.1	61	14	0.05
			45.00	46.00	1.00	410285	0.039	0.4	100	28	0.66
			58.00	59.00	1.00	410286	0.026	0.8	266	7	0.32
			59.00	60.00	1.00	410287	0.009	0.4	208	3	0.91
			60.00	61.00	1.00	410288	0.005	0.3	184	1	1.31
			61.00	62.00	1.00	410289	0.0025	0.2	124	3	0.82
			78.00	79.00	1.00	410297	0.005	0.4	256	1	1.04
			79.00	80.00	1.00	410298	0.006	0.2	102	7	0.52
			80.00	81.00	1.00	410299	0.009	0.1	57	19	0.32
			81.00	82.00	1.00	410301	0.132	0.1	61	18	0.43
			82.00	83.00	1.00	410302	0.007	0.1	63	20	0.45
			83.00	84.00	1.00	410303	0.072	0.2	108	64	0.37
			84.00	85.00	1.00	410304	0.012	0.4	107	55	0.32
			85.00	86.00	1.00	410305	0.05	0.4	137	23	0.76
			86.00	87.00	1.00	410306	0.306	1.6	285	1000	0.69
			87.00	88.00	1.00	410307	0.046	0.5	178	41	0.58
			96.00	97.00	1.00	410291	0.008	0.2	85	16	0.1
			97.00	98.00	1.00	410292	0.0025	0.1	125	16	0.13
			98.00	99.00	1.00	410293	0.014	1.3	286	172	3.73

Hole: LM21-04

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best gpt	Ag Best ppm	Cu Best ppm	As ICP ppm	S ICP pct
<b>98.13</b>	<b>99.15</b>	<b>MV Mafic Volcanics</b> PY +/- PO patches or foliation parallel foliation is variable and contorted	99.00	100.00	1.00	410294	0.0025	0.2	83	12	0.86
<b>99.15</b>	<b>104.90</b>	<b>MV Mafic Volcanics</b> occasional pink or buff plagioclase clot	100.00	101.00	1.00	410295	0.0025	0.3	101	5	0.92
<b>104.90</b>	<b>143.00</b>	<b>MV Mafic Volcanics</b> patches of blue-grey silicification with weak to moderate foliation described as tuffaceous in the S87 holes QZ - CL +/-CA veining starting about 132.88 m	106.00	107.00	1.00	410308	0.005	0.1	63	63	0.46
			107.00	108.00	1.00	410309	0.007	0.1	74	85	0.42
			116.00	117.00	1.00	410342	0.21	0.1	128	1	0.5
			130.00	131.00	1.00	410311	0.023	0.2	114	2	0.31
			131.00	132.00	1.00	410312	0.028	0.3	112	1	0.7
			132.00	133.00	1.00	410313	0.011	0.3	74	1	0.34
			133.00	134.00	1.00	410314	0.145	0.6	95	1	1.18
			134.00	135.00	1.00	410315	0.012	0.2	101	1	0.42
			135.00	136.00	1.00	410317	0.017	0.2	77	5	0.19
			136.00	137.00	1.00	410318	0.037	0.2	86	1	0.26
			137.00	138.00	1.00	410319	0.027	0.2	98	1	0.37
			138.00	139.00	1.00	410321	0.014	0.3	123	1	0.31
			139.00	140.00	1.00	410322	0.059	1	82	3	0.66
			140.00	141.00	1.00	410323	0.053	17.1	51	1	0.58
			141.00	142.00	1.00	410324	0.113	0.3	84	30	0.29
			142.00	143.00	1.00	410325	0.045	0.2	34	46	0.12
<b>143.00</b>	<b>180.07</b>	<b>MV Mafic Volcanics</b> abundant veining and contorted CL zones 2 cm wide PO veinlet at 152.62 m (see hole 21-22 @ 47.90 m) some narrow porphyritic sections	143.00	144.00	1.00	410326	0.02	0.4	66	30	0.19
			144.00	145.00	1.00	410327	0.009	0.5	125	1	0.42
			145.00	146.00	1.00	410328	0.013	0.6	90	1	0.48
			146.00	147.00	1.00	410329	0.017	0.9	112	1	0.35

Hole: LM21-04

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best gpt	Ag Best ppm	Cu Best ppm	As ICP ppm	S ICP pct
			147.00	148.00	1.00	410331	0.012	0.6	122	4	0.22
			148.00	149.00	1.00	410332	0.017	0.4	125	6	0.25
			149.00	150.00	1.00	410333	0.016	0.3	104	3	0.09
			150.00	151.00	1.00	410334	0.014	0.3	84	1	0.1
			151.00	152.00	1.00	410335	0.033	0.4	132	3	0.17
			152.00	153.00	1.00	410337	0.021	0.6	98	1	1.13
			153.00	154.00	1.00	410338	0.0025	0.6	75	1	0.29
			154.00	155.00	1.00	410339	0.025	0.3	107	13	0.24
			155.00	156.00	1.00	410341	0.067	0.3	117	7	0.44
			177.00	178.00	1.00	410343	0.008	0.6	125	12	0.3
			178.00	179.00	1.00	410344	0.0025	0.1	63	24	0.18
			179.00	180.00	1.00	410345	0.017	1.1	201	29	0.36
			180.00	181.00	1.00	410346	0.023	1	181	1	0.36
			181.00	182.00	1.00	410347	0.648	1.5	103	1	0.6
<b>180.07</b>	<b>182.46 MV</b>	<b>Mafic Volcanics</b>									
some vuggy PY veinlets cross-cutting the foliation moderate PY - PO mineralization											
			182.00	183.00	1.00	410348	0.514	1.7	212	1	1.74
<b>182.46</b>	<b>206.08 MV</b>	<b>Mafic Volcanics</b>									
broken core that may be mylonitic with gouge at 183.28 m - 183.39 m, 185.05 m -185.55 m, 186.65 m - 187 m, 188.60 m - 190 m, 193.43 m - 193.56 m PY - PO patches at 188.53 m											
			183.00	184.00	1.00	410349	0.082	0.7	155	1	0.75
			184.00	185.00	1.00	410351	0.012	0.5	117	1	0.33
			185.00	186.00	1.00	410352	0.025	0.3	126	1	0.12
			186.00	187.00	1.00	410353	0.054	0.5	127	1	0.17
			187.00	188.00	1.00	410354	0.052	0.4	87	1	0.23
			188.00	189.00	1.00	410355	0.172	0.7	110	1	0.62
			189.00	190.00	1.00	410357	0.018	0.1	15	1	0.11
			190.00	191.00	1.00	410358	0.034	0.2	80	1	0.17
			191.00	192.00	1.00	410359	0.03	0.3	112	1	0.12
			192.00	193.00	1.00	410361	0.006	0.1	39	1	0.17

Hole: LM21-04

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best gpt	Ag Best ppm	Cu Best ppm	As ICP ppm	S ICP pct
			193.00	194.00	1.00	410362	0.013	0.1	77	3	0.79
			194.00	195.00	1.00	410363	0.012	0.1	88	1	0.36
			195.00	196.00	1.00	410364	0.036	0.2	184	1	0.14
			196.00	197.00	1.00	410365	0.012	0.1	56	1	0.09
			197.00	198.00	1.00	410366	0.028	0.2	143	2	0.27

**206.08 226.50 QFPO Quartz Feldspar Porphyry**

abundant pink to buff coloured phenocrysts in a fine grained dark matrix  
good tectonic fabric  
possible chloritic MV xenoliths

**226.50 226.77 MV Mafic Volcanics black FG**  
**226.77 237.00 LEP Leopard Rock**

EOH @ 237 m

End of Hole @ 237

**Project:** Lingman Lake mine

**Hole:** LM21-05

<b>Target:</b>	WESTZ	<b>Survey Type:</b>	DGPS	<b>Logged By:</b>	J Siriunas	<b>Hole Type:</b>	DD
<b>UTM Grid:</b>	NAD83_Z15	<b>Survey By:</b>	M Cardinal	<b>Date Started:</b>		<b>Hole Diameter:</b>	7.57
<b>UTM East:</b>	506961.54	<b>Azimuth:</b>	359.3	<b>Date Completed:</b>		<b>Core Size:</b>	NQ
<b>UTM North:</b>	5968620.272	<b>Dip:</b>	-50.8	<b>Drill Company:</b>	Mike	<b>Casing Pulled?:</b>	<input type="checkbox"/>
<b>UTM Elevation (m):</b>	273.268	<b>Length (m):</b>	243	<b>Drill Rig:</b>	Rig1	<b>Casing Depth (m):</b>	6
<b>Local Grid:</b>		<b>NTS:</b>	53F15	<b>Drill Started:</b>	2021-04-04	<b>Reduced (m):</b>	
<b>Local East:</b>		<b>Township:</b>	Lingman Lake Area	<b>Drill Completed:</b>	2021-04-15	<b>Reduced Size:</b>	
<b>Local North:</b>		<b>Claim No.:</b>	PAT-40608			<b>Oriented?:</b>	<input checked="" type="checkbox"/>
<b>Local Elevation (m):</b>		<b>Comments:</b>					
<b>Hole Status:</b>	Completed						
<b>Hole Purpose:</b>	EXPL						

Depth (m)	Survey Method	Survey By	Date Surveyed	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Mag. Field	Accept Values?	Comments
0	ReflexEZG	J Siriunas	2021-04-15	-50.8	359.3	0	359.3		<input checked="" type="checkbox"/>	
3	ReflexEZG	J Siriunas	2021-04-15	-50.9	0	0	0		<input checked="" type="checkbox"/>	
8	ReflexEZG	J Siriunas	2021-04-15	-51	0.2	0	0.2		<input checked="" type="checkbox"/>	
13	ReflexEZG	J Siriunas	2021-04-15	-51	0.3	0	0.3		<input checked="" type="checkbox"/>	
18	ReflexEZG	J Siriunas	2021-04-15	-51.1	0.4	0	0.4		<input checked="" type="checkbox"/>	
22	ReflexEZG	J Siriunas	2021-04-15	-51.1	0.6	0	0.6		<input checked="" type="checkbox"/>	
27	ReflexEZG	J Siriunas	2021-04-15	-51.1	0.8	0	0.8		<input checked="" type="checkbox"/>	
32	ReflexEZG	J Siriunas	2021-04-15	-51.1	0.9	0	0.9		<input checked="" type="checkbox"/>	
38	ReflexEZG	J Siriunas	2021-04-15	-51	1	0	1		<input checked="" type="checkbox"/>	
42	ReflexEZG	J Siriunas	2021-04-15	-51	1.1	0	1.1		<input checked="" type="checkbox"/>	

Hole: LM21-05

Depth (m)	Survey Method	Survey By	Date Surveyed	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Mag. Field	Accept Values?	Comments
48	ReflexEZG	J Siriunas	2021-04-15	-51	1.2	0	1.2		<input checked="" type="checkbox"/>	
52	ReflexEZG	J Siriunas	2021-04-15	-51	1.4	0	1.4		<input checked="" type="checkbox"/>	
57	ReflexEZG	J Siriunas	2021-04-15	-51	1.5	0	1.5		<input checked="" type="checkbox"/>	
62	ReflexEZG	J Siriunas	2021-04-15	-51	1.6	0	1.6		<input checked="" type="checkbox"/>	
67	ReflexEZG	J Siriunas	2021-04-15	-50.9	1.8	0	1.8		<input checked="" type="checkbox"/>	
72	ReflexEZG	J Siriunas	2021-04-15	-50.8	1.9	0	1.9		<input checked="" type="checkbox"/>	
77	ReflexEZG	J Siriunas	2021-04-15	-50.8	2	0	2		<input checked="" type="checkbox"/>	
82	ReflexEZG	J Siriunas	2021-04-15	-50.8	2	0	2		<input checked="" type="checkbox"/>	
87	ReflexEZG	J Siriunas	2021-04-15	-50.7	2.1	0	2.1		<input checked="" type="checkbox"/>	
92	ReflexEZG	J Siriunas	2021-04-15	-50.7	2.1	0	2.1		<input checked="" type="checkbox"/>	
97	ReflexEZG	J Siriunas	2021-04-15	-50.6	2.2	0	2.2		<input checked="" type="checkbox"/>	
103	ReflexEZG	J Siriunas	2021-04-15	-50.5	2.3	0	2.3		<input checked="" type="checkbox"/>	
108	ReflexEZG	J Siriunas	2021-04-15	-50.4	2.6	0	2.6		<input checked="" type="checkbox"/>	
112	ReflexEZG	J Siriunas	2021-04-15	-50.2	2.8	0	2.8		<input checked="" type="checkbox"/>	
117	ReflexEZG	J Siriunas	2021-04-15	-50.1	3	0	3		<input checked="" type="checkbox"/>	
122	ReflexEZG	J Siriunas	2021-04-15	-50	3.2	0	3.2		<input checked="" type="checkbox"/>	
127	ReflexEZG	J Siriunas	2021-04-15	-49.9	3.4	0	3.4		<input checked="" type="checkbox"/>	
133	ReflexEZG	J Siriunas	2021-04-15	-49.8	3.5	0	3.5		<input checked="" type="checkbox"/>	
138	ReflexEZG	J Siriunas	2021-04-15	-49.7	3.7	0	3.7		<input checked="" type="checkbox"/>	
143	ReflexEZG	J Siriunas	2021-04-15	-49.7	3.9	0	3.9		<input checked="" type="checkbox"/>	
147	ReflexEZG	J Siriunas	2021-04-15	-49.7	4.2	0	4.2		<input checked="" type="checkbox"/>	
152	ReflexEZG	J Siriunas	2021-04-15	-49.6	4.3	0	4.3		<input checked="" type="checkbox"/>	
157	ReflexEZG	J Siriunas	2021-04-15	-49.5	4.4	0	4.4		<input checked="" type="checkbox"/>	

Hole: LM21-05

Depth (m)	Survey Method	Survey By	Date Surveyed	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Mag. Field	Accept Values?	Comments
162	ReflexEZG	J Siriunas	2021-04-15	-49.4	4.6	0	4.6		<input checked="" type="checkbox"/>	
168	ReflexEZG	J Siriunas	2021-04-15	-49.3	4.7	0	4.7		<input checked="" type="checkbox"/>	
173	ReflexEZG	J Siriunas	2021-04-15	-49.2	4.8	0	4.8		<input checked="" type="checkbox"/>	
177	ReflexEZG	J Siriunas	2021-04-15	-48.9	4.9	0	4.9		<input checked="" type="checkbox"/>	
182	ReflexEZG	J Siriunas	2021-04-15	-48.7	5	0	5		<input checked="" type="checkbox"/>	
187	ReflexEZG	J Siriunas	2021-04-15	-48.6	5.1	0	5.1		<input checked="" type="checkbox"/>	
193	ReflexEZG	J Siriunas	2021-04-15	-48.4	5.2	0	5.2		<input checked="" type="checkbox"/>	
197	ReflexEZG	J Siriunas	2021-04-15	-48.2	5.4	0	5.4		<input checked="" type="checkbox"/>	
203	ReflexEZG	J Siriunas	2021-04-15	-48.1	5.7	0	5.7		<input checked="" type="checkbox"/>	
207	ReflexEZG	J Siriunas	2021-04-15	-47.9	5.9	0	5.9		<input checked="" type="checkbox"/>	
212	ReflexEZG	J Siriunas	2021-04-15	-47.8	6.2	0	6.2		<input checked="" type="checkbox"/>	
218	ReflexEZG	J Siriunas	2021-04-15	-47.6	6.4	0	6.4		<input checked="" type="checkbox"/>	
222	ReflexEZG	J Siriunas	2021-04-15	-47.5	6.7	0	6.7		<input checked="" type="checkbox"/>	
227	ReflexEZG	J Siriunas	2021-04-15	-47.4	6.9	0	6.9		<input checked="" type="checkbox"/>	
229	ReflexEZG	J Siriunas	2021-04-15	-47.3	7	0	7		<input checked="" type="checkbox"/>	

Hole: LM21-05

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best gpt	Ag Best ppm	Cu Best ppm	As ICP ppm	S ICP pct	
0.00	6.00	CAS Casing										
6.00	16.59	DIAB Diabase										
16.59	36.00	MV Mafic Volcanics	grey	18.00	19.00	1.00	410367	0.011	0.2	76	12	0.34
massive but strong banding some banding is crenulated and chloritic minor Qving at upper contact local minor silicification with patchy PO				19.00	20.00	1.00	410368	0.01	1.1	459	80	0.34
				20.00	21.00	1.00	410369	0.016	0.2	108	63	0.05
				35.00	36.00	1.00	410371	0.0025	0.1	37	36	0.07
36.00	40.50	FLT Fault(ed)		36.00	37.00	1.00	410372	0.008	1.6	166	63	1.35
WINTER ROAD FAULT ZONE broken core with some gouge				37.00	38.00	1.00	410373	0.005	0.3	82	62	0.27
40.50	90.23	MV Mafic Volcanics	dark grey	55.00	56.00	1.00	410374	0.007	0.8	177	739	1.13
darker grey and less banding from about 55 m "Black Rock" with silicified appearance from 57.92 m AS veinlets @ 65.48 m, 72.82 m (disseminated), 84.20 m QZ - CA veinlets locally abundant				56.00	57.00	1.00	410375	0.006	0.7	197	1250	1.27
				57.00	58.00	1.00	410377	0.0025	0.9	261	19	1.36
				58.00	59.00	1.00	410378	0.005	0.8	183	31	0.15
				59.00	60.00	1.00	410379	0.005	0.7	201	27	0.21
				60.00	61.00	1.00	410381	0.007	0.7	202	25	0.21
				61.00	62.00	1.00	410382	0.009	0.5	189	24	0.27
				62.00	63.00	1.00	410383	0.011	0.6	183	20	0.2
				63.00	64.00	1.00	410384	0.009	0.7	225	21	1.6
				64.00	65.00	1.00	410385	0.038	0.6	261	396	1.21
				65.00	66.00	1.00	410386	0.022	0.6	319	1600	0.66
				66.00	67.00	1.00	410387	0.009	0.4	212	84	0.62
				67.00	68.00	1.00	410388	0.006	0.4	245	25	0.38



Hole: LM21-05

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best gpt	Ag Best ppm	Cu Best ppm	As ICP ppm	S ICP pct
			68.00	69.00	1.00	410389	0.01	0.4	324	22	0.48
			69.00	70.00	1.00	410391	0.006	0.3	171	29	0.34
			70.00	71.00	1.00	410392	0.007	0.3	190	70	0.49
			71.00	72.00	1.00	410393	0.011	0.3	226	1130	0.98
			72.00	73.00	1.00	410394	0.031	0.5	335	3220	1.01
			73.00	74.00	1.00	410395	0.005	0.4	188	38	0.46
			74.00	75.00	1.00	410397	0.015	0.3	177	880	0.33
			75.00	76.00	1.00	410398	0.006	0.2	161	84	0.19
			76.00	77.00	1.00	410399	0.005	0.3	162	32	0.28
			77.00	78.00	1.00	410401	0.008	0.1	169	62	0.42
			78.00	79.00	1.00	410402	0.007	0.3	215	79	0.91
			79.00	80.00	1.00	410403	0.012	0.1	148	286	0.46
			80.00	81.00	1.00	410404	0.01	0.4	204	35	0.56
			81.00	82.00	1.00	410405	0.005	0.1	161	36	0.36
			82.00	83.00	1.00	410406	0.0025	0.2	218	29	0.68
			83.00	84.00	1.00	410407	0.0025	0.1	177	26	0.51
			84.00	85.00	1.00	410408	0.022	0.2	203	2420	0.5
			85.00	86.00	1.00	410409	0.007	0.3	284	36	0.54
			86.00	87.00	1.00	410411	0.022	0.4	208	32	0.12
			87.00	88.00	1.00	410412	0.007	0.1	100	193	0.46
			88.00	89.00	1.00	410413	0.005	0.1	131	33	0.32
			89.00	90.00	1.00	410414	0.007	0.5	527	35	0.37
			90.00	91.00	1.00	410415	0.034	0.3	324	891	2.26
			91.00	92.00	1.00	410417	0.016	0.4	355	42	0.91
			92.00	93.00	1.00	410418	0.013	0.3	217	47	0.17

**90.23 90.52 MV Mafic Volcanics**

PY and PO present especially within 40 cm-wide brecciated lower contact zone

**90.52 134.90 MV Mafic Volcanics**

massive to banded appearance

from about 119 m there are scattered zones weak silicification with disseminated PY and PO

# GeoSpark: Drill Hole Report

Hole: LM21-05

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best gpt	Ag Best ppm	Cu Best ppm	As ICP ppm	S ICP pct
			93.00	94.00	1.00	410419	0.014	0.3	183	40	0.16
			94.00	95.00	1.00	410421	0.013	0.4	644	28	0.52
			95.00	96.00	1.00	410422	0.008	0.3	234	43	0.22
			96.00	97.00	1.00	410423	0.008	0.3	234	41	0.22
			97.00	98.00	1.00	410424	0.005	0.3	195	33	0.29
			98.00	99.00	1.00	410425	0.019	0.3	285	44	0.34
			99.00	100.00	1.00	410426	0.008	0.4	208	69	0.19
			100.00	101.00	1.00	410427	0.006	0.2	179	65	0.12
			101.00	102.00	1.00	410428	0.015	0.4	142	40	0.04
			102.00	103.00	1.00	410429	0.009	0.3	186	38	0.16
			103.00	104.00	1.00	410431	0.011	0.2	83	150	0.28
			104.00	105.00	1.00	410432	0.006	0.1	46	89	0.09
			105.00	106.00	1.00	410433	0.008	0.3	187	32	0.3
			106.00	107.00	1.00	410434	0.012	0.1	206	40	0.08
			107.00	108.00	1.00	410435	0.01	0.4	111	19	0.16
			108.00	109.00	1.00	410437	0.013	0.1	187	24	0.1
			109.00	110.00	1.00	410438	0.014	0.1	229	15	0.12
			110.00	111.00	1.00	410439	0.0025	0.1	25	62	0.04
			111.00	112.00	1.00	410441	0.0025	0.1	52	20	0.08
			112.00	113.00	1.00	410442	0.009	0.3	315	35	0.11
			113.00	114.00	1.00	410443	0.005	0.1	205	25	0.15
			114.00	115.00	1.00	410444	0.006	0.2	248	32	0.16
			115.00	116.00	1.00	410445	0.01	0.2	203	22	0.19
			116.00	117.00	1.00	410446	0.014	0.2	181	43	0.16
			117.00	118.00	1.00	410447	0.019	0.3	256	1380	0.3
			118.00	119.00	1.00	410448	0.024	0.4	236	95	0.39
			119.00	120.00	1.00	410449	0.019	0.3	203	515	0.37
			120.00	121.00	1.00	410451	0.171	0.6	514	201	1.72
			121.00	122.00	1.00	410452	0.086	0.8	406	22	1.56

Hole: LM21-05

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best gpt	Ag Best ppm	Cu Best ppm	As ICP ppm	S ICP pct
			122.00	123.00	1.00	410453	0.032	0.7	273	69	0.25
			123.00	124.00	1.00	410454	0.027	0.3	253	66	0.05
			124.00	125.00	1.00	410455	0.014	0.1	123	64	0.06
			125.00	126.00	1.00	410457	0.016	0.1	148	68	0.06
			126.00	127.00	1.00	410458	0.013	0.1	122	11	0.2
			127.00	128.00	1.00	410459	0.012	0.2	101	51	0.28
			128.00	129.00	1.00	410461	0.009	0.5	171	29	1.38
			129.00	130.00	1.00	410462	0.033	0.3	144	52	0.17
			130.00	131.00	1.00	410463	0.012	0.5	193	42	0.14
			131.00	132.00	1.00	410464	0.015	0.5	242	46	0.15
			132.00	133.00	1.00	410465	0.011	0.4	187	44	0.07
			133.00	134.00	1.00	410466	0.01	0.6	194	32	0.24
			134.00	135.00	1.00	410467	0.005	0.3	132	34	0.29
			135.00	136.00	1.00	410468	0.006	0.6	282	34	1.88
<b>134.90</b>	<b>149.90</b>	<b>MV Mafic Volcanics</b>									
includes several QZ-healed breccia zones fault gouge at 142.11 m to 142.50 m with PY and PO along the lower contact											
			136.00	137.00	1.00	410469	0.0025	0.6	284	23	0.99
			137.00	138.00	1.00	410471	0.0025	0.4	184	37	0.66
			138.00	139.00	1.00	410472	0.0025	0.5	210	38	0.65
			139.00	140.00	1.00	410473	0.0025	0.2	173	44	0.22
			140.00	141.00	1.00	410474	0.008	0.1	413	64	0.22
			141.00	142.00	1.00	410475	0.025	0.1	141	115	0.11
			142.00	143.00	1.00	410477	0.043	0.1	170	113	0.7
			143.00	144.00	1.00	410478	0.045	0.1	142	112	0.26
			144.00	145.00	1.00	410479	0.094	0.1	238	167	1.03
			145.00	146.00	1.00	410481	0.074	0.1	282	59	0.18
			146.00	147.00	1.00	410482	0.024	0.3	175	74	0.04
			147.00	148.00	1.00	410483	0.021	0.5	226	38	0.19
			148.00	149.00	1.00	410484	0.033	0.5	217	40	0.25

Hole: LM21-05

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best gpt	Ag Best ppm	Cu Best ppm	As ICP ppm	S ICP pct
<b>149.90</b>	<b>219.74</b>	<b>MV Mafic Volcanics</b> dark grey turning darker like "Black Rock" (see between 40.5 m and 90.23 m) but without similar siliceous appearance several sections of QZ +/- CA -healed breccia between 158.77 m and 170.44 m QV or QFPO intrusive sections between 178.09 m and 197.50 m	149.00	150.00	1.00	410485	0.426	0.6	243	42	1.26
			150.00	151.00	1.00	410486	0.043	0.4	203	28	0.19
<b>219.74</b>	<b>222.20</b>	<b>MV Mafic Volcanics</b> weakly silicified, banded rare sulphides	151.00	152.00	1.00	410487	0.017	0.4	158	28	0.38
			152.00	153.00	1.00	410488	0.008	0.3	93	39	0.27
			153.00	154.00	1.00	410489	0.011	0.5	234	31	0.48
			154.00	155.00	1.00	410491	0.015	0.3	160	47	0.12
			177.09	178.09	1.00	410492	0.018	0.2	215	34	0.16
			178.09	178.45	0.36	410493	0.108	2.2	1200	9	0.27
			178.45	179.45	1.00	410494	0.011	0.2	193	27	0.09
			213.00	214.00	1.00	410495	0.011	0.3	175	66	0.16
			214.00	215.00	1.00	410497	0.01	0.1	134	23	0.13
			215.00	216.00	1.00	410498	0.025	0.5	243	61	0.36
			216.00	217.00	1.00	410499	0.024	0.4	135	12	0.15
			217.00	218.00	1.00	410501	0.024	0.3	125	7	0.05
			218.00	219.00	1.00	410502	0.028	0.4	147	3	0.08
			219.00	220.00	1.00	410503	0.008	0.3	89	7	0.35
220.00	221.00	1.00	410504	0.011	0.1	6	26	0.02			
<b>222.20</b>	<b>222.90</b>	<b>MV Mafic Volcanics</b>	221.00	222.00	1.00	410505	0.064	0.1	9	11	0.1
			222.00	223.00	1.00	410506	0.089	0.2	26	410	0.13
<b>222.90</b>	<b>233.50</b>	<b>MV Mafic Volcanics</b> several QZ - CA - CL breccia zones	223.00	224.00	1.00	410507	0.021	0.7	178	1	0.48
			224.00	225.00	1.00	410508	0.006	0.1	49	12	0.62
			225.00	226.00	1.00	410509	0.015	0.2	74	13	0.31
			226.00	227.00	1.00	410511	0.007	0.2	64	10	0.12

Hole: LM21-05

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best gpt	Ag Best ppm	Cu Best ppm	As ICP ppm	S ICP pct
			227.00	228.00	1.00	410512	0.007	0.1	106	16	0.28
			228.00	229.00	1.00	410513	0.0025	0.2	97	18	0.29
			229.00	230.00	1.00	410514	0.013	0.4	74	17	0.08
			230.00	231.00	1.00	410515	0.0025	0.3	92	13	0.37
			231.00	232.00	1.00	410517	0.017	0.7	193	1	1.05
			232.00	233.00	1.00	410518	0.424	5.8	333	250	0.2
			233.00	234.00	1.00	410519	1.92	9.4	871	2150	0.63
			234.00	235.00	1.00	410521	0.247	7.1	978	3170	0.69
<b>233.50</b>	<b>235.15</b>	<b>MV Mafic Volcanics</b>									
		weak silicification with some PY and PO									
<b>235.15</b>	<b>243.00</b>	<b>MV Mafic Volcanics</b>									
		EOH @ 243 m local banding with a tuffaceous appearance									
			235.00	236.00	1.00	410522	0.024	0.3	175	54	0.35
			236.00	237.00	1.00	410523	0.06	1	514	43	0.29
			237.00	238.00	1.00	410524	0.042	0.2	84	27	0.2
			238.00	239.00	1.00	410525	0.118	1.9	1050	55	0.89
			239.00	240.00	1.00	410526	0.024	0.5	253	31	0.35
			240.00	241.00	1.00	410527	0.031	0.8	289	8	0.22
			241.00	242.00	1.00	410528	0.035	0.5	171	17	0.06
			242.00	243.00	1.00	410529	0.107	0.4	219	20	0.35

End of Hole @ 243

**Project:** Lingman Lake mine

**Hole:** LM21-06

<b>Target:</b>	WESTZ	<b>Survey Type:</b>	DGPS	<b>Logged By:</b>	J Siriunas	<b>Hole Type:</b>	DD
<b>UTM Grid:</b>	NAD83_Z15	<b>Survey By:</b>	M Cardinal	<b>Date Started:</b>		<b>Hole Diameter:</b>	7.57
<b>UTM East:</b>	506953.059	<b>Azimuth:</b>	358.2	<b>Date Completed:</b>		<b>Core Size:</b>	NQ
<b>UTM North:</b>	5968645.738	<b>Dip:</b>	-45	<b>Drill Company:</b>	Mike	<b>Casing Pulled?:</b>	<input type="checkbox"/>
<b>UTM Elevation (m):</b>	272.128	<b>Length (m):</b>	78	<b>Drill Rig:</b>	Rig1	<b>Casing Depth (m):</b>	4.5
<b>Local Grid:</b>		<b>NTS:</b>	53F15	<b>Drill Started:</b>	2021-04-15	<b>Reduced (m):</b>	
<b>Local East:</b>		<b>Township:</b>	Lingman Lake Area	<b>Drill Completed:</b>	2021-04-17	<b>Reduced Size:</b>	
<b>Local North:</b>		<b>Claim No.:</b>	PAT-40608			<b>Oriented?:</b>	<input checked="" type="checkbox"/>
<b>Local Elevation (m):</b>		<b>Comments:</b>					
<b>Hole Status:</b>	Completed						
<b>Hole Purpose:</b>	EXPL						

Depth (m)	Survey Method	Survey By	Date Surveyed	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Mag. Field	Accept Values?	Comments
0	ReflexEZG	J Siriunas	2021-04-17	-45	358.2	0	358.2		<input checked="" type="checkbox"/>	
3	ReflexEZG	J Siriunas	2021-04-17	-45	358.2	0	358.2		<input checked="" type="checkbox"/>	
8	ReflexEZG	J Siriunas	2021-04-17	-45.2	358.2	0	358.2		<input checked="" type="checkbox"/>	
13	ReflexEZG	J Siriunas	2021-04-17	-45.4	358.3	0	358.3		<input checked="" type="checkbox"/>	
18	ReflexEZG	J Siriunas	2021-04-17	-45.5	358.3	0	358.3		<input checked="" type="checkbox"/>	
23	ReflexEZG	J Siriunas	2021-04-17	-45.6	358.4	0	358.4		<input checked="" type="checkbox"/>	
28	ReflexEZG	J Siriunas	2021-04-17	-45.8	358.5	0	358.5		<input checked="" type="checkbox"/>	
33	ReflexEZG	J Siriunas	2021-04-17	-45.8	358.5	0	358.5		<input checked="" type="checkbox"/>	
38	ReflexEZG	J Siriunas	2021-04-17	-45.8	358.6	0	358.6		<input checked="" type="checkbox"/>	
42	ReflexEZG	J Siriunas	2021-04-17	-45.7	358.6	0	358.6		<input checked="" type="checkbox"/>	

Hole: LM21-06

Depth (m)	Survey Method	Survey By	Date Surveyed	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Mag. Field	Accept Values?	Comments
48	ReflexEZG	J Siriunas	2021-04-17	-45.7	358.6	0	358.6		<input checked="" type="checkbox"/>	
53	ReflexEZG	J Siriunas	2021-04-17	-45.7	358.6	0	358.6		<input checked="" type="checkbox"/>	
57	ReflexEZG	J Siriunas	2021-04-17	-45.6	358.7	0	358.7		<input checked="" type="checkbox"/>	
63	ReflexEZG	J Siriunas	2021-04-17	-45.5	358.8	0	358.8		<input checked="" type="checkbox"/>	
67	ReflexEZG	J Siriunas	2021-04-17	-45.4	358.8	0	358.8		<input checked="" type="checkbox"/>	
70	ReflexEZG	J Siriunas	2021-04-17	-45.4	358.8	0	358.8		<input checked="" type="checkbox"/>	

Hole: LM21-06

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best gpt	Ag Best ppm	Cu Best ppm	As ICP ppm	S ICP pct	
0.00	4.50	CAS Casing										
4.50	16.00	FLT Fault(ed)										
WINTER ROAD FAULT ZONE badly broken core with some gouge minor broken continues to 25 m												
16.00	33.25	MV Mafic Volcanics	grey	27.00	28.00	1.00	410531	0.013	0.3	214	219	0.45
locally banded lighter coloured, softer, almost talcose up to 27.50 m minor Qving is present in this hole from 27.50 m to 73.76 m												
				28.00	29.00	1.00	410532	0.132	0.4	206	1240	1.23
				29.00	30.00	1.00	410533	0.011	0.3	256	37	0.17
				30.00	31.00	1.00	410534	0.021	0.3	165	320	0.61
				31.00	32.00	1.00	410535	0.01	0.1	155	40	0.1
				32.00	33.00	1.00	410537	0.01	0.1	179	128	0.17
				33.00	34.00	1.00	410538	0.016	0.5	608	342	0.8
				34.00	35.00	1.00	410539	0.013	0.3	308	90	0.36
33.25	34.20	MV Mafic Volcanics										
"Black Rock", weakly silicified minor PY and PO banding at 60 degrees TCA												
34.20	57.15	MV Mafic Volcanics		35.00	36.00	1.00	410541	0.006	0.2	238	35	0.3
				36.00	37.00	1.00	410542	0.0025	0.1	161	115	0.47
				37.00	38.00	1.00	410543	0.007	0.1	205	29	0.21
				38.00	39.00	1.00	410544	0.0025	0.1	154	18	0.37
				56.00	57.00	1.00	410545	0.005	0.2	144	29	0.27
				57.00	58.00	1.00	410546	0.027	0.2	245	350	1.45
57.15	57.55	MV Mafic Volcanics										
similar to 33.25 m - 34.20 m												
57.55	78.00	MV Mafic Volcanics		58.00	59.00	1.00	410547	0.019	0.6	387	155	0.41
EOH @ 78 m												
				59.00	60.00	1.00	410548	0.089	0.6	470	198	0.32
				60.00	61.00	1.00	410549	0.023	0.4	305	343	0.47



Hole: LM21-06

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best gpt	Ag Best ppm	Cu Best ppm	As ICP ppm	S ICP pct
			61.00	62.00	1.00	410551	0.0025	0.1	176	64	0.11
			62.00	63.00	1.00	410552	0.006	0.3	192	55	0.12
			63.00	64.00	1.00	410553	0.008	0.4	136	128	0.16
			64.00	65.00	1.00	410554	0.018	0.2	88	566	0.25
			65.00	66.00	1.00	410555	0.007	0.1	63	174	0.23

End of Hole @ 78

**Project:** Lingman Lake mine

**Hole:** LM21-07

<b>Target:</b>	WESTZ	<b>Survey Type:</b>	DGPS	<b>Logged By:</b>	J Siriunas	<b>Hole Type:</b>	DD
<b>UTM Grid:</b>	NAD83_Z15	<b>Survey By:</b>	M Cardinal	<b>Date Started:</b>		<b>Hole Diameter:</b>	7.57
<b>UTM East:</b>	506897.01	<b>Azimuth:</b>	2.4	<b>Date Completed:</b>		<b>Core Size:</b>	NQ
<b>UTM North:</b>	5968645.738	<b>Dip:</b>	-45.8	<b>Drill Company:</b>	Mike	<b>Casing Pulled?:</b>	<input type="checkbox"/>
<b>UTM Elevation (m):</b>	272.128	<b>Length (m):</b>	104	<b>Drill Rig:</b>	Rig1	<b>Casing Depth (m):</b>	3
<b>Local Grid:</b>		<b>NTS:</b>	53F15	<b>Drill Started:</b>	2021-05-05	<b>Reduced (m):</b>	
<b>Local East:</b>		<b>Township:</b>	Lingman Lake Area	<b>Drill Completed:</b>	2021-05-07	<b>Reduced Size:</b>	
<b>Local North:</b>		<b>Claim No.:</b>	PAT-40608			<b>Oriented?:</b>	<input checked="" type="checkbox"/>
<b>Local Elevation (m):</b>		<b>Comments:</b>					
<b>Hole Status:</b>	Completed						
<b>Hole Purpose:</b>	EXPL						

Depth (m)	Survey Method	Survey By	Date Surveyed	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Mag. Field	Accept Values?	Comments
0	ReflexEZG	J Siriunas	2021-05-07	-45.8	2.4	0	2.4		<input checked="" type="checkbox"/>	
5	ReflexEZG	J Siriunas	2021-05-07	-45.6	3	0	3		<input checked="" type="checkbox"/>	
10	ReflexEZG	J Siriunas	2021-05-07	-45.4	3	0	3		<input checked="" type="checkbox"/>	
15	ReflexEZG	J Siriunas	2021-05-07	-45.4	2.9	0	2.9		<input checked="" type="checkbox"/>	
20	ReflexEZG	J Siriunas	2021-05-07	-45.4	2.9	0	2.9		<input checked="" type="checkbox"/>	
25	ReflexEZG	J Siriunas	2021-05-07	-45.3	2.9	0	2.9		<input checked="" type="checkbox"/>	
30	ReflexEZG	J Siriunas	2021-05-07	-45.2	2.9	0	2.9		<input checked="" type="checkbox"/>	
35	ReflexEZG	J Siriunas	2021-05-07	-45.1	3	0	3		<input checked="" type="checkbox"/>	
40	ReflexEZG	J Siriunas	2021-05-07	-45	3.1	0	3.1		<input checked="" type="checkbox"/>	
45	ReflexEZG	J Siriunas	2021-05-07	-44.6	3.3	0	3.3		<input checked="" type="checkbox"/>	

Hole: LM21-07

Depth (m)	Survey Method	Survey By	Date Surveyed	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Mag. Field	Accept Values?	Comments
50	ReflexEZG	J Siriunas	2021-05-07	-44.3	3.2	0	3.2		<input checked="" type="checkbox"/>	
55	ReflexEZG	J Siriunas	2021-05-07	-43.9	3.4	0	3.4		<input checked="" type="checkbox"/>	
60	ReflexEZG	J Siriunas	2021-05-07	-43.5	3.4	0	3.4		<input checked="" type="checkbox"/>	
65	ReflexEZG	J Siriunas	2021-05-07	-43.1	3.5	0	3.5		<input checked="" type="checkbox"/>	
70	ReflexEZG	J Siriunas	2021-05-07	-42.5	3.7	0	3.7		<input checked="" type="checkbox"/>	
75	ReflexEZG	J Siriunas	2021-05-07	-42.3	3.7	0	3.7		<input checked="" type="checkbox"/>	
80	ReflexEZG	J Siriunas	2021-05-07	-42	3.8	0	3.8		<input checked="" type="checkbox"/>	
85	ReflexEZG	J Siriunas	2021-05-07	-41.7	3.9	0	3.9		<input checked="" type="checkbox"/>	
90	ReflexEZG	J Siriunas	2021-05-07	-41.6	4.1	0	4.1		<input checked="" type="checkbox"/>	
95	ReflexEZG	J Siriunas	2021-05-07	-41.3	4.2	0	4.2		<input checked="" type="checkbox"/>	
97	ReflexEZG	J Siriunas	2021-05-07	-41.2	4.2	0	4.2		<input checked="" type="checkbox"/>	

Hole: LM21-07

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best gpt	Ag Best ppm	Cu Best ppm	As ICP ppm	S ICP pct
0.00	6.50	CAS Casing									
6.50	63.70	MV Mafic Volcanics	63.00	64.00	1.00	410843	0.04	0.4	223	69	0.34
63.70	73.05	MV Mafic Volcanics	64.00	65.00	1.00	410844	0.016	0.5	219	18	1.23
highest sulphide content between 71 m and 72.05 m with some brown alteration possible net-textured sulphides at 69 m			65.00	66.00	1.00	410845	0.688	0.4	156	76	1.31
			66.00	67.00	1.00	410846	0.012	0.3	130	13	0.37
			67.00	68.00	1.00	410847	0.083	0.5	192	15	0.46
			68.00	69.00	1.00	410848	0.157	0.4	195	37	1.53
			69.00	70.00	1.00	410849	0.187	0.6	259	130	2.62
			70.00	71.00	1.00	410851	0.314	1.2	185	73	0.66
			71.00	72.00	1.00	410852	1.96	1	199	226	3.79
			72.00	73.00	1.00	410884	0.061	0.5	159	63	0.68
			73.00	74.00	1.00	410854	0.05	0.4	197	64	1.1
73.05	81.82	MYL Mylonite - intensively sheared rock	74.00	75.00	1.00	410855	0.057	0.2	180	52	0.32
breccia zone especially strongly healed from 73.05 m to 75.88 m QV at upper contact and from 77.64 m to 77.82 m some contorted areas around 80 m to 82 m			75.00	76.00	1.00	410857	0.057	0.2	304	40	0.39
			76.00	77.00	1.00	410858	0.034	0.1	203	29	0.44
			77.00	78.00	1.00	410859	0.017	0.1	118	36	0.47
			78.00	79.00	1.00	410861	0.022	0.1	266	62	0.83
			79.00	80.00	1.00	410862	0.029	0.1	266	18	0.45
			80.00	81.00	1.00	410863	0.021	0.1	238	9	0.14
			81.00	82.00	1.00	410864	0.03	0.3	419	6	0.33
81.82	88.03	MV Mafic Volcanics	82.00	83.00	1.00	410865	0.01	0.1	174	5	0.17
quartzose patches from 86.20 m to 87 m			83.00	84.00	1.00	410866	0.017	0.1	222	6	0.16
			84.00	85.00	1.00	410867	0.02	0.1	200	5	0.11

Hole: LM21-07

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best gpt	Ag Best ppm	Cu Best ppm	As ICP ppm	S ICP pct
			85.00	86.00	1.00	410868	0.022	0.1	212	1	0.08
			86.00	87.00	1.00	410869	0.01	0.1	72	4	0.11
			87.00	88.00	1.00	410871	0.006	0.1	22	8	0.08
			88.00	89.00	1.00	410872	0.036	0.4	200	3	1.07
<b>88.03</b>	<b>88.79</b>	<b>MV</b>									
local sulphides											
<b>88.79</b>	<b>92.19</b>	<b>MV</b>									
			89.00	90.00	1.00	410873	0.028	0.1	147	2	0.16
			90.00	91.00	1.00	410874	0.01	0.1	47	5	0.01
			91.00	92.00	1.00	410875	0.007	0.1	18	10	0.04
			92.00	93.00	1.00	410877	0.016	0.3	171	4	0.34
<b>92.19</b>	<b>95.40</b>	<b>MV</b>									
variable silicification											
			93.00	94.00	1.00	410878	0.022	0.8	274	31	1.52
			94.00	95.00	1.00	410879	0.047	0.4	132	13	0.46
			95.00	96.00	1.00	410881	0.022	0.3	239	17	0.56
<b>95.40</b>	<b>104.00</b>	<b>MV</b>									
EOH @ 104 m minor QZ - CA veinlets											
			96.00	97.00	1.00	410882	0.011	0.1	116	4	0.1
			97.00	98.00	1.00	410883	0.01	0.1	209	8	0.17

End of Hole @ 104

**Project:** Lingman Lake mine

**Hole:** LM21-08

<b>Target:</b>	WESTZ	<b>Survey Type:</b>	DGPS	<b>Logged By:</b>	J Siriunas	<b>Hole Type:</b>	DD
<b>UTM Grid:</b>	NAD83_Z15	<b>Survey By:</b>	M Cardinal	<b>Date Started:</b>		<b>Hole Diameter:</b>	7.57
<b>UTM East:</b>	506896.751	<b>Azimuth:</b>	1	<b>Date Completed:</b>		<b>Core Size:</b>	NQ
<b>UTM North:</b>	5968622.753	<b>Dip:</b>	-55.2	<b>Drill Company:</b>	Mike	<b>Casing Pulled?:</b>	<input type="checkbox"/>
<b>UTM Elevation (m):</b>	272.37	<b>Length (m):</b>	408	<b>Drill Rig:</b>	Rig1	<b>Casing Depth (m):</b>	3
<b>Local Grid:</b>		<b>NTS:</b>	53F15	<b>Drill Started:</b>	2021-04-17	<b>Reduced (m):</b>	
<b>Local East:</b>		<b>Township:</b>	Lingman Lake Area	<b>Drill Completed:</b>	2021-05-05	<b>Reduced Size:</b>	
<b>Local North:</b>		<b>Claim No.:</b>	PAT-40608			<b>Oriented?:</b>	<input checked="" type="checkbox"/>
<b>Local Elevation (m):</b>		<b>Comments:</b>					
<b>Hole Status:</b>	Completed						
<b>Hole Purpose:</b>	EXPL						

Depth (m)	Survey Method	Survey By	Date Surveyed	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Mag. Field	Accept Values?	Comments
0	ReflexEZG	J Siriunas	2021-05-05	-55.2	1	0	1		<input checked="" type="checkbox"/>	
5	ReflexEZG	J Siriunas	2021-05-05	-54.9	1.8	0	1.8		<input checked="" type="checkbox"/>	
10	ReflexEZG	J Siriunas	2021-05-05	-54.8	1.9	0	1.9		<input checked="" type="checkbox"/>	
15	ReflexEZG	J Siriunas	2021-05-05	-54.8	1.9	0	1.9		<input checked="" type="checkbox"/>	
20	ReflexEZG	J Siriunas	2021-05-05	-55	1.9	0	1.9		<input checked="" type="checkbox"/>	
25	ReflexEZG	J Siriunas	2021-05-05	-55.2	1.8	0	1.8		<input checked="" type="checkbox"/>	
30	ReflexEZG	J Siriunas	2021-05-05	-55.1	1.6	0	1.6		<input checked="" type="checkbox"/>	
35	ReflexEZG	J Siriunas	2021-05-05	-55.3	1.7	0	1.7		<input checked="" type="checkbox"/>	
40	ReflexEZG	J Siriunas	2021-05-05	-55.3	1.6	0	1.6		<input checked="" type="checkbox"/>	
45	ReflexEZG	J Siriunas	2021-05-05	-55.2	1.7	0	1.7		<input checked="" type="checkbox"/>	

Hole: **LM21-08**

Depth (m)	Survey Method	Survey By	Date Surveyed	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Mag. Field	Accept Values?	Comments
50	ReflexEZG	J Siriunas	2021-05-05	-55.2	1.7	0	1.7		<input checked="" type="checkbox"/>	
55	ReflexEZG	J Siriunas	2021-05-05	-55.1	1.9	0	1.9		<input checked="" type="checkbox"/>	
60	ReflexEZG	J Siriunas	2021-05-05	-55	1.9	0	1.9		<input checked="" type="checkbox"/>	
65	ReflexEZG	J Siriunas	2021-05-05	-55	2	0	2		<input checked="" type="checkbox"/>	
70	ReflexEZG	J Siriunas	2021-05-05	-55	2.1	0	2.1		<input checked="" type="checkbox"/>	
75	ReflexEZG	J Siriunas	2021-05-05	-54.9	2.2	0	2.2		<input checked="" type="checkbox"/>	
80	ReflexEZG	J Siriunas	2021-05-05	-54.8	2.4	0	2.4		<input checked="" type="checkbox"/>	
85	ReflexEZG	J Siriunas	2021-05-05	-54.8	2.5	0	2.5		<input checked="" type="checkbox"/>	
90	ReflexEZG	J Siriunas	2021-05-05	-54.8	2.6	0	2.6		<input checked="" type="checkbox"/>	
95	ReflexEZG	J Siriunas	2021-05-05	-54.7	2.7	0	2.7		<input checked="" type="checkbox"/>	
100	ReflexEZG	J Siriunas	2021-05-05	-54.5	2.8	0	2.8		<input checked="" type="checkbox"/>	
105	ReflexEZG	J Siriunas	2021-05-05	-54.4	3	0	3		<input checked="" type="checkbox"/>	
110	ReflexEZG	J Siriunas	2021-05-05	-54.3	3	0	3		<input checked="" type="checkbox"/>	
115	ReflexEZG	J Siriunas	2021-05-05	-54.2	3.1	0	3.1		<input checked="" type="checkbox"/>	
120	ReflexEZG	J Siriunas	2021-05-05	-54.1	3.2	0	3.2		<input checked="" type="checkbox"/>	
125	ReflexEZG	J Siriunas	2021-05-05	-54.1	3.2	0	3.2		<input checked="" type="checkbox"/>	
130	ReflexEZG	J Siriunas	2021-05-05	-54	3.4	0	3.4		<input checked="" type="checkbox"/>	
135	ReflexEZG	J Siriunas	2021-05-05	-53.9	3.7	0	3.7		<input checked="" type="checkbox"/>	
140	ReflexEZG	J Siriunas	2021-05-05	-53.7	3.9	0	3.9		<input checked="" type="checkbox"/>	
145	ReflexEZG	J Siriunas	2021-05-05	-53.6	4	0	4		<input checked="" type="checkbox"/>	
150	ReflexEZG	J Siriunas	2021-05-05	-53.5	4.3	0	4.3		<input checked="" type="checkbox"/>	
155	ReflexEZG	J Siriunas	2021-05-05	-53.4	4.8	0	4.8		<input checked="" type="checkbox"/>	
160	ReflexEZG	J Siriunas	2021-05-05	-53.1	5.1	0	5.1		<input checked="" type="checkbox"/>	

Hole: LM21-08

Depth (m)	Survey Method	Survey By	Date Surveyed	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Mag. Field	Accept Values?	Comments
165	ReflexEZG	J Siriunas	2021-05-05	-52.9	5.1	0	5.1		<input checked="" type="checkbox"/>	
170	ReflexEZG	J Siriunas	2021-05-05	-52.8	5.2	0	5.2		<input checked="" type="checkbox"/>	
175	ReflexEZG	J Siriunas	2021-05-05	-52.7	5.3	0	5.3		<input checked="" type="checkbox"/>	
180	ReflexEZG	J Siriunas	2021-05-05	-52.6	5.4	0	5.4		<input checked="" type="checkbox"/>	
185	ReflexEZG	J Siriunas	2021-05-05	-52.4	5.6	0	5.6		<input checked="" type="checkbox"/>	
190	ReflexEZG	J Siriunas	2021-05-05	-52.3	5.7	0	5.7		<input checked="" type="checkbox"/>	
195	ReflexEZG	J Siriunas	2021-05-05	-52.1	5.8	0	5.8		<input checked="" type="checkbox"/>	
200	ReflexEZG	J Siriunas	2021-05-05	-52	5.8	0	5.8		<input checked="" type="checkbox"/>	
205	ReflexEZG	J Siriunas	2021-05-05	-51.7	5.9	0	5.9		<input checked="" type="checkbox"/>	
210	ReflexEZG	J Siriunas	2021-05-05	-51.5	5.9	0	5.9		<input checked="" type="checkbox"/>	
215	ReflexEZG	J Siriunas	2021-05-05	-51.4	6	0	6		<input checked="" type="checkbox"/>	
220	ReflexEZG	J Siriunas	2021-05-05	-51.3	5.9	0	5.9		<input checked="" type="checkbox"/>	
225	ReflexEZG	J Siriunas	2021-05-05	-51	6.1	0	6.1		<input checked="" type="checkbox"/>	
230	ReflexEZG	J Siriunas	2021-05-05	-50.8	6.2	0	6.2		<input checked="" type="checkbox"/>	
235	ReflexEZG	J Siriunas	2021-05-05	-50.6	6.3	0	6.3		<input checked="" type="checkbox"/>	
240	ReflexEZG	J Siriunas	2021-05-05	-50.5	6.3	0	6.3		<input checked="" type="checkbox"/>	
245	ReflexEZG	J Siriunas	2021-05-05	-50.3	6.5	0	6.5		<input checked="" type="checkbox"/>	
250	ReflexEZG	J Siriunas	2021-05-05	-50.2	6.7	0	6.7		<input checked="" type="checkbox"/>	
255	ReflexEZG	J Siriunas	2021-05-05	-50	6.7	0	6.7		<input checked="" type="checkbox"/>	
260	ReflexEZG	J Siriunas	2021-05-05	-49.8	6.8	0	6.8		<input checked="" type="checkbox"/>	
265	ReflexEZG	J Siriunas	2021-05-05	-49.7	6.8	0	6.8		<input checked="" type="checkbox"/>	
270	ReflexEZG	J Siriunas	2021-05-05	-49.6	7	0	7		<input checked="" type="checkbox"/>	
275	ReflexEZG	J Siriunas	2021-05-05	-49.4	7.1	0	7.1		<input checked="" type="checkbox"/>	



Hole: LM21-08

Depth (m)	Survey Method	Survey By	Date Surveyed	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Mag. Field	Accept Values?	Comments
280	ReflexEZG	J Siriunas	2021-05-05	-49.2	7.3	0	7.3		<input checked="" type="checkbox"/>	
285	ReflexEZG	J Siriunas	2021-05-05	-48.9	7.6	0	7.6		<input checked="" type="checkbox"/>	
290	ReflexEZG	J Siriunas	2021-05-05	-48.7	7.8	0	7.8		<input checked="" type="checkbox"/>	
295	ReflexEZG	J Siriunas	2021-05-05	-48.6	7.9	0	7.9		<input checked="" type="checkbox"/>	
300	ReflexEZG	J Siriunas	2021-05-05	-48.5	8	0	8		<input checked="" type="checkbox"/>	
305	ReflexEZG	J Siriunas	2021-05-05	-48.4	8.1	0	8.1		<input checked="" type="checkbox"/>	
310	ReflexEZG	J Siriunas	2021-05-05	-48.4	8.3	0	8.3		<input checked="" type="checkbox"/>	
315	ReflexEZG	J Siriunas	2021-05-05	-48.2	8.4	0	8.4		<input checked="" type="checkbox"/>	
320	ReflexEZG	J Siriunas	2021-05-05	-48	8.7	0	8.7		<input checked="" type="checkbox"/>	
325	ReflexEZG	J Siriunas	2021-05-05	-47.8	8.7	0	8.7		<input checked="" type="checkbox"/>	
330	ReflexEZG	J Siriunas	2021-05-05	-47.6	9	0	9		<input checked="" type="checkbox"/>	
335	ReflexEZG	J Siriunas	2021-05-05	-47.3	9.3	0	9.3		<input checked="" type="checkbox"/>	
340	ReflexEZG	J Siriunas	2021-05-05	-47	9.5	0	9.5		<input checked="" type="checkbox"/>	
345	ReflexEZG	J Siriunas	2021-05-05	-46.9	9.7	0	9.7		<input checked="" type="checkbox"/>	
350	ReflexEZG	J Siriunas	2021-05-05	-46.7	10	0	10		<input checked="" type="checkbox"/>	
355	ReflexEZG	J Siriunas	2021-05-05	-46.5	10.2	0	10.2		<input checked="" type="checkbox"/>	
360	ReflexEZG	J Siriunas	2021-05-05	-46.3	10.4	0	10.4		<input checked="" type="checkbox"/>	
365	ReflexEZG	J Siriunas	2021-05-05	-46.3	10.4	0	10.4		<input checked="" type="checkbox"/>	
370	ReflexEZG	J Siriunas	2021-05-05	-46.3	10.7	0	10.7		<input checked="" type="checkbox"/>	
375	ReflexEZG	J Siriunas	2021-05-05	-46.2	10.7	0	10.7		<input checked="" type="checkbox"/>	
380	ReflexEZG	J Siriunas	2021-05-05	-46.1	10.7	0	10.7		<input checked="" type="checkbox"/>	
381	ReflexEZG	J Siriunas	2021-05-05	-46.1	10.7	0	10.7		<input checked="" type="checkbox"/>	

Hole: LM21-08

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best gpt	Ag Best ppm	Cu Best ppm	As ICP ppm	S ICP pct
0.00	3.00	CAS Casing									
3.00	19.00	MV Mafic Volcanics									
some banding											
19.00	39.00	FLT Fault(ed)									
WINTER ROAD FAULT ZONE											
several areas of gouge and lost core especially 36 m to 39 m (and making water)											
39.00	93.41	MV Mafic Volcanics	45.00	46.00	1.00	410557	0.01	0.1	218	114	0.22
weak banding around 42 m, light grey but become "blackish" around 45 m											
banding with PY - PO starting at 47.90 m											
sulphides can be locally abundant, e.g. @ 50 m and 51.18 m											
banding with PY - PO from 53.20 m to 53.45 m											
QV with PY - PO @ 54.32 m											
banded section with minor PY - PO from 57.75 m to 58.35 m ends with QV											
PO veinlet at 85 degrees TCA @ 58.38 m											
QV with PO 2 59.70 m											
from about 60 m through 67.34 m - weakly banded with local PY - PO parallel to banding											
some minor PY - PO bands between 79 m and 80 m											
PY veinlets @ 85.64 m, 85.74 m, 86.36 m and 89.24 m (+/- PO)											
			46.00	47.00	1.00	410558	0.013	0.2	219	44	0.19
			47.00	48.00	1.00	410559	0.012	0.3	199	227	0.44
			48.00	49.00	1.00	410561	0.015	0.4	210	126	1.6
			49.00	50.00	1.00	410562	0.1	0.4	374	221	2.34
			50.00	51.00	1.00	410563	0.011	0.2	197	27	0.71
			51.00	52.00	1.00	410564	0.122	0.5	520	539	2.3
			52.00	53.00	1.00	410565	0.018	0.3	234	31	0.22
			53.00	54.00	1.00	410566	0.013	0.3	319	21	0.79
			54.00	55.00	1.00	410567	0.136	0.5	303	31	0.64
			55.00	56.00	1.00	410568	0.047	0.4	357	23	0.2
			56.00	57.00	1.00	410569	0.013	0.1	177	17	0.39
			57.00	58.00	1.00	410571	0.037	0.2	223	456	0.71
			58.00	59.00	1.00	410572	0.097	0.2	121	30	0.59
			59.00	60.00	1.00	410573	0.017	0.1	115	170	0.23

# GeoSpark: Drill Hole Report

Hole: LM21-08

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best gpt	Ag Best ppm	Cu Best ppm	As ICP ppm	S ICP pct
			60.00	61.00	1.00	410574	0.033	0.3	274	274	0.5
			61.00	62.00	1.00	410575	0.012	0.1	273	154	0.76
			62.00	63.00	1.00	410577	0.014	0.1	169	203	0.38
			63.00	64.00	1.00	410578	0.015	0.3	196	60	0.43
			64.00	65.00	1.00	410579	0.007	0.1	144	121	0.67
			65.00	66.00	1.00	410581	0.006	0.2	184	32	0.14
			66.00	67.00	1.00	410582	0.005	0.1	185	27	0.18
			67.00	68.00	1.00	410583	0.011	0.5	573	42	1.09
			68.00	69.00	1.00	410584	0.006	0.1	89	26	0.06
			69.00	70.00	1.00	410585	0.006	0.1	152	26	0.17
			70.00	71.00	1.00	410586	0.009	0.1	160	28	0.19
			71.00	72.00	1.00	410587	0.01	0.3	168	30	0.19
			72.00	73.00	1.00	410588	0.007	0.1	97	35	0.24
			73.00	74.00	1.00	410589	0.009	0.1	106	93	0.37
			74.00	75.00	1.00	410591	0.032	0.3	231	17	0.25
			75.00	76.00	1.00	410592	0.012	0.3	200	37	0.22
			76.00	77.00	1.00	410593	0.012	0.3	174	25	0.18
			77.00	78.00	1.00	410594	0.008	0.3	189	23	0.27
			78.00	79.00	1.00	410595	0.006	0.2	256	68	0.45
			79.00	80.00	1.00	410597	0.0025	0.1	159	14	1.07
			80.00	81.00	1.00	410598	0.005	0.1	141	12	0.41
			81.00	82.00	1.00	410599	0.006	0.1	242	203	0.55
			82.00	83.00	1.00	410601	0.026	0.1	151	4210	0.54
			83.00	84.00	1.00	410602	0.023	0.3	288	2990	0.67
			84.00	85.00	1.00	410603	0.006	0.3	228	31	1.14
			85.00	86.00	1.00	410604	0.006	0.2	237	31	0.95
			86.00	87.00	1.00	410605	0.028	0.5	679	746	1.28
			87.00	88.00	1.00	410606	0.021	0.3	204	1270	0.44
			88.00	89.00	1.00	410607	0.006	0.1	29	157	0.01

Hole: LM21-08

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best gpt	Ag Best ppm	Cu Best ppm	As ICP ppm	S ICP pct
			89.00	90.00	1.00	410608	0.011	0.3	255	951	0.72
			90.00	91.00	1.00	410609	0.008	0.1	41	492	0.09
			91.00	92.00	1.00	410611	0.005	0.3	206	335	0.57
			92.00	93.00	1.00	410612	0.006	0.6	117	507	0.55
			93.00	94.00	1.00	410613	0.021	0.6	154	1210	0.86
<b>93.41</b>	<b>93.94</b>	<b>MV Mafic Volcanics</b>									
some PY - PO											
<b>93.94</b>	<b>124.08</b>	<b>MV Mafic Volcanics</b>									
some banding with PY - PO - QV between 98.22 m to 98.51 m also similarly 107.31 m to 107.80 m and 116.23 m to 117.16 m											
			94.00	95.00	1.00	410614	0.064	0.5	217	342	1.45
			95.00	96.00	1.00	410615	0.034	0.1	63	645	0.57
			96.00	97.00	1.00	410617	0.0025	0.1	28	77	0.1
			97.00	98.00	1.00	410618	0.03	0.3	188	45	0.11
			98.00	99.00	1.00	410619	0.03	0.3	147	62	0.2
			99.00	100.00	1.00	410621	0.012	0.3	166	51	0.06
			100.00	101.00	1.00	410622	0.008	0.3	222	46	0.12
			101.00	102.00	1.00	410623	0.007	0.3	259	29	0.17
			102.00	103.00	1.00	410624	0.006	0.4	242	37	0.14
			103.00	104.00	1.00	410625	0.007	0.3	197	40	0.11
			104.00	105.00	1.00	410626	0.011	0.4	346	35	0.21
			105.00	106.00	1.00	410627	0.01	0.4	255	38	0.16
			106.00	107.00	1.00	410628	0.006	0.2	180	24	0.34
			107.00	108.00	1.00	410629	0.163	0.8	227	30	0.59
			108.00	109.00	1.00	410631	0.007	0.3	210	32	0.12
			109.00	110.00	1.00	410632	0.006	0.1	191	33	0.21
			110.00	111.00	1.00	410633	0.007	0.2	225	39	0.12
			111.00	112.00	1.00	410634	0.009	0.2	233	37	0.13
			112.00	113.00	1.00	410635	0.007	0.1	225	40	0.13
			113.00	114.00	1.00	410637	0.012	0.2	220	52	0.14

Hole: LM21-08

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best gpt	Ag Best ppm	Cu Best ppm	As ICP ppm	S ICP pct
			114.00	115.00	1.00	410638	0.009	0.2	167	51	0.08
			115.00	116.00	1.00	410639	0.01	0.3	115	41	0.12
			116.00	117.00	1.00	410641	0.015	0.4	247	31	0.13
			117.00	118.00	1.00	410642	0.014	0.4	205	29	0.12
			118.00	119.00	1.00	410643	0.014	0.4	221	25	0.1
			119.00	120.00	1.00	410644	0.038	0.6	256	83	0.18
			120.00	121.00	1.00	410645	0.026	0.4	183	39	0.11
			121.00	122.00	1.00	410646	0.195	0.7	165	561	1.05
			122.00	123.00	1.00	410647	0.016	0.5	165	56	0.34
			123.00	124.00	1.00	410648	0.027	0.5	215	29	0.98
			124.00	125.00	1.00	410649	0.048	0.8	288	198	1.86
			125.00	126.00	1.00	410651	0.144	2.2	994	17	2.49
<b>124.08</b>	<b>131.21</b>	<b>MV Mafic Volcanics</b>									
discontinuous silicification banding with PY - PO some QV-like sections especially before 126 m											
			126.00	127.00	1.00	410652	0.012	0.5	214	121	1.16
			127.00	128.00	1.00	410653	0.34	0.6	193	41	1.01
			128.00	129.00	1.00	410654	0.006	0.5	199	24	1.17
			129.00	130.00	1.00	410655	0.009	0.5	163	68	0.56
			130.00	131.00	1.00	410657	2.06	0.7	184	140	1.33
			131.00	132.00	1.00	410658	0.025	0.6	209	27	0.76
			132.00	133.00	1.00	410659	0.031	0.5	220	48	0.1
<b>131.21</b>	<b>136.12</b>	<b>MV Mafic Volcanics</b>									
<b>136.12</b>	<b>138.92</b>	<b>MYL Mylonite - intensively sheared rock</b>									
local QZ-CL-CA healed breccia possibly ultramafic protolith?											
<b>138.92</b>	<b>154.60</b>	<b>MV Mafic Volcanics</b>									
typical scattered QV +/- CA veinlets local silicified sections with PY - PO @ 143.40 m to 143.70 m, 149.22 m to 149.75 m and 151.40 m to 152.50 m											
			140.00	141.00	1.00	410661	0.028	0.1	192	20	0.15
			141.00	142.00	1.00	410662	0.019	0.1	165	12	0.19

Hole: **LM21-08**

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best gpt	Ag Best ppm	Cu Best ppm	As ICP ppm	S ICP pct
			142.00	143.00	1.00	410663	0.023	0.1	222	9	0.54
			143.00	144.00	1.00	410664	0.014	0.3	193	6	0.64
			144.00	145.00	1.00	410665	0.023	0.2	240	5	0.32
			145.00	146.00	1.00	410666	0.014	0.1	187	5	0.16
			146.00	147.00	1.00	410667	0.014	0.2	209	6	0.16
			147.00	148.00	1.00	410668	0.028	0.2	229	5	0.15
			148.00	149.00	1.00	410669	0.028	0.1	216	14	0.19
			149.00	150.00	1.00	410671	0.018	0.2	247	12	0.23
			150.00	151.00	1.00	410672	0.018	0.2	226	7	0.13
			151.00	152.00	1.00	410673	0.013	0.4	179	6	0.15
			152.00	153.00	1.00	410674	0.011	0.3	214	9	0.42
			153.00	154.00	1.00	410675	0.012	0.3	160	11	0.25
			154.00	155.00	1.00	410677	0.033	0.5	263	10	0.25
			155.00	156.00	1.00	410678	0.034	0.4	255	7	0.21
			156.00	157.00	1.00	410679	0.021	0.1	130	15	0.11
			157.00	158.00	1.00	410681	0.015	0.2	116	24	0.14
			158.00	159.00	1.00	410682	0.0025	0.3	233	37	0.69
			159.00	160.00	1.00	410683	0.005	0.8	158	91	0.43
			160.00	161.00	1.00	410684	0.005	0.5	186	126	0.46
			161.00	162.00	1.00	410685	0.01	0.7	255	181	0.69
			162.00	163.00	1.00	410686	0.008	0.4	178	578	0.5
			163.00	164.00	1.00	410687	0.014	0.5	240	1520	0.62
			164.00	165.00	1.00	410688	0.005	0.5	161	160	0.37
			165.00	166.00	1.00	410689	0.01	0.5	119	32	0.28

**154.60 165.26 MV Mafic Volcanics**

semi-continuous areas of silicification  
 local PY - PO patches

Hole: LM21-08

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best gpt	Ag Best ppm	Cu Best ppm	As ICP ppm	S ICP pct
<b>165.26</b>	<b>253.85</b>	<b>MV Mafic Volcanics</b>	166.00	167.00	1.00	410691	0.024	0.3	229	11	0.22
some zones of weak silicification with minor PY - PO from 170.09 m to 170.52 m, from 179.66 m to 180.28 m and @ 175.30 m and 176.83 m locally finely banded from about 203 m QZ - CA veinlets form a brecciated network in places brecciated/contorted QZ - CA veins with patchy PY +/- PO from 240.50 m to 241.22 m, 242.29 m to 243.21 m and 251.30 m to 251.63 m											
			167.00	168.00	1.00	410692	0.018	0.2	214	18	0.14
			168.00	169.00	1.00	410693	0.019	0.4	220	17	0.14
			169.00	170.00	1.00	410694	0.021	0.5	228	22	0.19
			170.00	171.00	1.00	410695	0.019	0.4	198	19	0.52
			171.00	172.00	1.00	410697	0.011	0.1	106	26	0.05
			172.00	173.00	1.00	410698	0.01	0.1	137	41	0.06
			173.00	174.00	1.00	410699	0.019	0.3	193	28	0.16
			174.00	175.00	1.00	410701	0.035	0.4	261	26	0.15
			175.00	176.00	1.00	410702	0.024	0.4	216	20	0.27
			176.00	177.00	1.00	410703	0.031	0.4	237	21	0.22
			177.00	178.00	1.00	410704	0.041	0.5	238	15	0.14
			178.00	179.00	1.00	410705	0.026	0.3	160	19	0.07
			179.00	180.00	1.00	410706	0.209	0.8	276	9	1.22
			180.00	181.00	1.00	410707	0.042	0.5	361	11	0.66
			181.00	182.00	1.00	410708	0.043	0.5	228	22	0.12
			197.00	198.00	1.00	410709	0.054	0.4	445	55	0.18
			198.00	199.00	1.00	410711	0.01	0.3	260	47	0.16
			199.00	200.00	1.00	410712	0.015	0.2	292	49	0.15
			200.00	201.00	1.00	410713	0.009	0.1	213	47	0.12
			201.00	202.00	1.00	410714	0.028	0.1	127	44	0.68
			225.00	226.00	1.00	410715	0.058	0.3	228	22	0.1
			226.00	227.00	1.00	410717	0.067	0.2	224	23	0.11
			227.00	228.00	1.00	410718	0.032	0.1	288	20	0.29
			228.00	229.00	1.00	410719	0.007	0.1	272	32	0.14

Hole: LM21-08

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best gpt	Ag Best ppm	Cu Best ppm	As ICP ppm	S ICP pct
			229.00	230.00	1.00	410721	0.012	0.1	239	30	0.09
			230.00	231.00	1.00	410722	0.007	0.1	232	24	0.11
			231.00	232.00	1.00	410723	0.019	0.1	159	34	0.1
			232.00	233.00	1.00	410724	0.014	0.2	182	31	0.19
			233.00	234.00	1.00	410725	0.005	0.1	155	36	0.1
			234.00	235.00	1.00	410726	0.005	0.1	216	41	0.07
			235.00	236.00	1.00	410727	0.0025	0.2	259	39	0.09
			236.00	237.00	1.00	410728	0.01	0.1	240	34	0.12
			237.00	238.00	1.00	410729	0.008	0.1	230	38	0.08
			238.00	239.00	1.00	410731	0.007	0.2	329	32	0.17
			239.00	240.00	1.00	410732	0.007	0.2	269	33	0.13
			240.00	241.00	1.00	410733	0.044	0.6	488	35	0.21
			241.00	242.00	1.00	410734	0.011	0.1	190	42	0.11
			242.00	243.00	1.00	410735	0.008	0.1	86	42	0.07
			243.00	244.00	1.00	410737	0.01	0.1	148	37	0.11
			244.00	245.00	1.00	410738	0.021	0.4	231	20	0.17
			245.00	246.00	1.00	410739	0.012	0.5	249	14	0.61
			246.00	247.00	1.00	410741	0.036	0.6	293	145	0.36
			247.00	248.00	1.00	410742	0.032	0.4	226	168	0.15
			248.00	249.00	1.00	410743	0.041	0.9	241	10	0.13
			249.00	250.00	1.00	410744	0.045	1	259	8	0.28
			250.00	251.00	1.00	410745	0.114	0.3	264	5	0.77
			251.00	252.00	1.00	410746	0.011	0.3	171	24	0.45
			252.00	253.00	1.00	410747	0.048	0.5	213	12	0.87
			253.00	254.00	1.00	410748	6.01	1.1	303	82	1.39
			254.00	255.00	1.00	410749	0.105	0.6	289	8	1.59

**253.85 253.92 QV Quartz Vein**

interstitial PY - PO prior to this zone

**253.92 273.73 MV Mafic Volcanics**

contorted chloritic breccia with some QZ +/- CA and patchy PY from 265.00 m to 265.67 m and 268.25 m to 268.90 m



Hole: LM21-08

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best gpt	Ag Best ppm	Cu Best ppm	As ICP ppm	S ICP pct
			255.00	256.00	1.00	410751	0.434	0.7	96	13	0.31
			256.00	257.00	1.00	410752	0.046	0.6	108	16	0.45
			257.00	258.00	1.00	410753	0.008	0.1	23	20	0.27
			258.00	259.00	1.00	410754	0.01	0.1	49	4	0.14
			259.00	260.00	1.00	410755	0.005	0.1	11	3	0.005
			260.00	261.00	1.00	410757	0.012	0.1	35	6	0.01
			261.00	262.00	1.00	410758	0.007	0.1	31	8	0.07
			262.00	263.00	1.00	410759	0.009	0.1	78	7	0.12
			263.00	264.00	1.00	410761	0.009	0.1	73	5	0.26
			264.00	265.00	1.00	410762	0.019	0.6	171	1	0.39
			265.00	266.00	1.00	410763	0.022	0.7	206	4	0.37
			266.00	267.00	1.00	410764	0.006	0.1	2	6	0.005
			267.00	268.00	1.00	410765	0.005	0.1	1	9	0.005
			268.00	269.00	1.00	410766	0.198	0.4	112	26	0.29
<b>273.73</b>	<b>275.12</b>	<b>MV Mafic Volcanics</b>									
<b>275.12</b>	<b>293.09</b>	<b>MV Mafic Volcanics</b>									
contorted chloritic breccia with some QZ +/- CA and patchy PY from 285.22 m to 285.63 m with possible gouge @ 285.56 m											
<b>293.09</b>	<b>294.74</b>	<b>MV Mafic Volcanics</b>									
<b>294.74</b>	<b>296.42</b>	<b>MV Mafic Volcanics</b>									
minor silicification											
			294.75	295.75	1.00	410767	0.101	4.4	1210	497	2.7
			295.75	296.75	1.00	410768	0.026	1.3	325	252	0.83
			296.75	297.75	1.00	410769	0.101	3.5	949	2	2.15
<b>296.42</b>	<b>297.45</b>	<b>MV Mafic Volcanics</b>									
<b>297.45</b>	<b>297.70</b>	<b>MV Mafic Volcanics</b>									
minor silicification											
<b>297.70</b>	<b>300.26</b>	<b>MV Mafic Volcanics</b>									

Hole: **LM21-08**

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best gpt	Ag Best ppm	Cu Best ppm	As ICP ppm	S ICP pct
<b>300.26</b>	<b>335.00</b>	<b>MV Mafic Volcanics</b>	305.00	306.00	1.00	410793	0.131	0.3	76	9	0.35
QZ -CA zones at 316.20 m to 316.46 m, 317.60 m to 317.71 m, 319.32 m to 319.44 m, 319.63 m to 319.72 m, 324.00 m to 324.13 m, 325.28 m to 325.48 m and 332.00 m to 332.16 m local patches of silicification between 305 m and 316 m with minor PY +/- PO some EP or DI from 333.50 m to 334.00 m											
			306.00	307.00	1.00	410794	0.053	0.6	206	6	1.18
			307.00	308.00	1.00	410795	0.042	0.9	152	7	1.3
			308.00	309.00	1.00	410797	0.065	0.9	102	11	0.87
			309.00	310.00	1.00	410798	0.238	0.9	189	3	0.71
			310.00	311.00	1.00	410799	0.008	0.1	4	6	0.02
			311.00	312.00	1.00	410801	0.217	1.5	159	4	1.59
			312.00	313.00	1.00	410802	0.076	1.5	121	4	1.51
			313.00	314.00	1.00	410803	0.16	0.8	66	14	0.66
			314.00	315.00	1.00	410804	0.032	0.8	97	5	0.29
			315.00	316.00	1.00	410805	0.047	0.7	81	5	0.31
			332.00	333.00	1.00	410771	0.017	1.2	64	2	0.09
			333.00	334.00	1.00	410772	0.011	0.9	64	4	0.3
			334.00	335.00	1.00	410773	0.024	0.5	48	3	0.28
			335.00	336.00	1.00	410774	0.065	1	90	4	1.29
<b>335.00</b>	<b>344.75</b>	<b>MV Mafic Volcanics</b>									
WEST (NORTH) ZONE "A" brownish alteration with PY +/- PO from 338.37 m to 338.95 m and 340.44 m to 341.60 m some PY +/- PO from 343.56 m to 344.70 m massive QZ - CA veining from 335.00 m to 335.85, 336.19 m to 337.47 m and 338.95 m to 340.44 m gouge @ 338.04 m											
			336.00	337.00	1.00	410775	0.489	0.6	49	5	0.45
			337.00	338.00	1.00	410777	0.314	0.5	33	17	0.84
			338.00	339.00	1.00	410778	2.44	1.6	52	75	1.53
			339.00	340.00	1.00	410779	6.03	1.5	9	23	0.09
			340.00	341.00	1.00	410781	1.44	2.1	120	52	2.75
			341.00	342.00	1.00	410782	0.074	0.9	51	17	0.95
			342.00	343.00	1.00	410783	0.433	2.9	129	5	1.79

Hole: **LM21-08**

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best gpt	Ag Best ppm	Cu Best ppm	As ICP ppm	S ICP pct
			343.00	344.00	1.00	410784	0.361	1.9	131	6	1.55
			344.00	345.00	1.00	410785	0.13	2.4	96	18	1.93
<b>344.75</b>	<b>351.11</b>	<b>MV Mafic Volcanics</b>	345.00	346.00	1.00	410786	3.3	0.8	14	10	0.08
			346.00	347.00	1.00	410787	0.205	1.2	58	9	0.51
			347.00	348.00	1.00	410788	0.071	1	61	2	0.31
			348.00	349.00	1.00	410789	0.184	1.5	129	1	1.34
			349.00	350.00	1.00	410791	0.109	1	157	4	1.05
			350.00	351.00	1.00	410792	0.035	0.5	45	4	0.28
<b>351.11</b>	<b>360.90</b>	<b>MV Mafic Volcanics</b>	360.00	361.00	1.00	410806	0.009	0.1	32	1	0.15
<b>360.90</b>	<b>379.00</b>	<b>MV Mafic Volcanics</b>	361.00	362.00	1.00	410807	0.087	1.1	80	2	0.69
WEST (NORTH) ZONE "B" variable silicification but more sulphides with more obvious silica cataclastite with abundant CA and some gouge from 371.68 m to 372.12 m contorted QZ - CA from 364.64 m to 365.43 m grey QZ sections between 367.66 m and 378.14 m											
			362.00	363.00	1.00	410808	0.818	8.5	329	5	2.58
			363.00	364.00	1.00	410809	0.066	0.6	95	1	0.26
			364.00	365.00	1.00	410811	0.081	0.7	80	1	0.26
			365.00	366.00	1.00	410812	0.333	1.2	165	2	2.23
			366.00	367.00	1.00	410813	0.154	0.8	118	2	1.36
			367.00	368.00	1.00	410814	0.798	0.5	97	3	0.77
			368.00	369.00	1.00	410815	0.602	0.6	124	2	0.6
			369.00	370.00	1.00	410817	0.013	0.6	48	2	0.22
			370.00	371.00	1.00	410818	0.03	0.1	93	1	0.12
			371.00	372.00	1.00	410819	0.031	0.7	161	10	0.91
			372.00	373.00	1.00	410821	0.019	0.1	41	15	0.19
			373.00	374.00	1.00	410822	0.007	0.1	24	14	0.08
			374.00	375.00	1.00	410823	0.008	0.1	26	17	0.3
			375.00	376.00	1.00	410824	0.012	0.4	212	7	1.04
			376.00	377.00	1.00	410825	0.126	0.4	166	17	1.24

Hole: **LM21-08**

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best gpt	Ag Best ppm	Cu Best ppm	As ICP ppm	S ICP pct
			377.00	378.00	1.00	410826	0.015	0.4	40	25	0.67
			378.00	379.00	1.00	410827	0.012	0.2	29	28	0.23
<b>379.00</b>	<b>408.00</b>	<b>LEP Leopard Rock</b>	379.00	380.00	1.00	410828	0.02	1.6	36	18	0.12
EOH @ 408 m starts massive with occasional phenocryst becoming dominantly glomeroporphyritic by 391.52 m silicified section from 383.48 m to 386.48 m including some banded to massive grey QZ crenulated EP section from 389.06 m to 389.63 m											
			380.00	381.00	1.00	410829	0.049	0.3	110	28	0.59
			381.00	382.00	1.00	410831	0.03	0.5	122	21	0.67
			382.00	383.00	1.00	410832	0.011	0.2	69	9	0.16
			383.00	384.00	1.00	410833	0.01	0.1	31	7	0.04
			384.00	385.00	1.00	410834	0.0025	0.1	10	7	0.04
			385.00	386.00	1.00	410835	0.0025	0.1	9	4	0.07
			386.00	387.00	1.00	410837	0.012	0.1	62	6	0.19
			387.00	388.00	1.00	410838	0.008	0.1	54	4	0.11
			388.00	389.00	1.00	410839	0.02	0.2	108	3	0.27
			389.00	390.00	1.00	410841	0.017	0.2	76	6	0.14
			391.50	392.00	0.50	410842	0.014	0.2	61	20	0.61

**End of Hole @ 408**

**Project:** Lingman Lake mine

**Hole:** LM21-09

<b>Target:</b>	WESTZ	<b>Survey Type:</b>	DGPS	<b>Logged By:</b>	J Siriunas	<b>Hole Type:</b>	DD
<b>UTM Grid:</b>	NAD83_Z15	<b>Survey By:</b>	M Cardinal	<b>Date Started:</b>		<b>Hole Diameter:</b>	7.57
<b>UTM East:</b>	506837.257	<b>Azimuth:</b>	1.2	<b>Date Completed:</b>		<b>Core Size:</b>	NQ
<b>UTM North:</b>	5968647.376	<b>Dip:</b>	-59.1	<b>Drill Company:</b>	Mike	<b>Casing Pulled?:</b>	<input type="checkbox"/>
<b>UTM Elevation (m):</b>	270.438	<b>Length (m):</b>	405	<b>Drill Rig:</b>	Rig1	<b>Casing Depth (m):</b>	10
<b>Local Grid:</b>		<b>NTS:</b>	53F15	<b>Drill Started:</b>	2021-05-07	<b>Reduced (m):</b>	
<b>Local East:</b>		<b>Township:</b>	Lingman Lake Area	<b>Drill Completed:</b>	2021-05-12	<b>Reduced Size:</b>	
<b>Local North:</b>		<b>Claim No.:</b>	PAT-40608			<b>Oriented?:</b>	<input checked="" type="checkbox"/>
<b>Local Elevation (m):</b>		<b>Comments:</b>					
<b>Hole Status:</b>	Completed						
<b>Hole Purpose:</b>	EXPL						

Depth (m)	Survey Method	Survey By	Date Surveyed	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Mag. Field	Accept Values?	Comments
0	ReflexEZG	J Siriunas	2021-05-12	-59.1	1.2	0	1.2		<input checked="" type="checkbox"/>	
5	ReflexEZG	J Siriunas	2021-05-12	-59.8	1.4	0	1.4		<input checked="" type="checkbox"/>	
10	ReflexEZG	J Siriunas	2021-05-12	-59.9	1.4	0	1.4		<input checked="" type="checkbox"/>	
15	ReflexEZG	J Siriunas	2021-05-12	-59.9	1.3	0	1.3		<input checked="" type="checkbox"/>	
20	ReflexEZG	J Siriunas	2021-05-12	-59.8	1.5	0	1.5		<input checked="" type="checkbox"/>	
25	ReflexEZG	J Siriunas	2021-05-12	-59.6	1.7	0	1.7		<input checked="" type="checkbox"/>	
30	ReflexEZG	J Siriunas	2021-05-12	-59.5	1.9	0	1.9		<input checked="" type="checkbox"/>	
35	ReflexEZG	J Siriunas	2021-05-12	-59.3	2.2	0	2.2		<input checked="" type="checkbox"/>	
40	ReflexEZG	J Siriunas	2021-05-12	-59.2	2.2	0	2.2		<input checked="" type="checkbox"/>	
45	ReflexEZG	J Siriunas	2021-05-12	-59.1	2.5	0	2.5		<input checked="" type="checkbox"/>	

Hole: LM21-09

Depth (m)	Survey Method	Survey By	Date Surveyed	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Mag. Field	Accept Values?	Comments
50	ReflexEZG	J Siriunas	2021-05-12	-59.1	2.5	0	2.5		<input checked="" type="checkbox"/>	
55	ReflexEZG	J Siriunas	2021-05-12	-59	2.8	0	2.8		<input checked="" type="checkbox"/>	
60	ReflexEZG	J Siriunas	2021-05-12	-58.8	2.9	0	2.9		<input checked="" type="checkbox"/>	
65	ReflexEZG	J Siriunas	2021-05-12	-58.7	3.2	0	3.2		<input checked="" type="checkbox"/>	
70	ReflexEZG	J Siriunas	2021-05-12	-58.6	3.3	0	3.3		<input checked="" type="checkbox"/>	
75	ReflexEZG	J Siriunas	2021-05-12	-58.5	3.3	0	3.3		<input checked="" type="checkbox"/>	
80	ReflexEZG	J Siriunas	2021-05-12	-58.4	3.6	0	3.6		<input checked="" type="checkbox"/>	
85	ReflexEZG	J Siriunas	2021-05-12	-58.4	3.7	0	3.7		<input checked="" type="checkbox"/>	
90	ReflexEZG	J Siriunas	2021-05-12	-58.3	3.7	0	3.7		<input checked="" type="checkbox"/>	
95	ReflexEZG	J Siriunas	2021-05-12	-58.3	4	0	4		<input checked="" type="checkbox"/>	
100	ReflexEZG	J Siriunas	2021-05-12	-58.1	4.1	0	4.1		<input checked="" type="checkbox"/>	
105	ReflexEZG	J Siriunas	2021-05-12	-58	4.3	0	4.3		<input checked="" type="checkbox"/>	
110	ReflexEZG	J Siriunas	2021-05-12	-58	4.4	0	4.4		<input checked="" type="checkbox"/>	
115	ReflexEZG	J Siriunas	2021-05-12	-58	4.3	0	4.3		<input checked="" type="checkbox"/>	
120	ReflexEZG	J Siriunas	2021-05-12	-57.9	4.4	0	4.4		<input checked="" type="checkbox"/>	
125	ReflexEZG	J Siriunas	2021-05-12	-57.9	4.6	0	4.6		<input checked="" type="checkbox"/>	
130	ReflexEZG	J Siriunas	2021-05-12	-57.9	4.6	0	4.6		<input checked="" type="checkbox"/>	
135	ReflexEZG	J Siriunas	2021-05-12	-57.8	4.8	0	4.8		<input checked="" type="checkbox"/>	
140	ReflexEZG	J Siriunas	2021-05-12	-57.7	4.7	0	4.7		<input checked="" type="checkbox"/>	
145	ReflexEZG	J Siriunas	2021-05-12	-57.6	4.9	0	4.9		<input checked="" type="checkbox"/>	
150	ReflexEZG	J Siriunas	2021-05-12	-57.5	5	0	5		<input checked="" type="checkbox"/>	
155	ReflexEZG	J Siriunas	2021-05-12	-57.5	5.1	0	5.1		<input checked="" type="checkbox"/>	
160	ReflexEZG	J Siriunas	2021-05-12	-57.3	5.3	0	5.3		<input checked="" type="checkbox"/>	

Hole: LM21-09

Depth (m)	Survey Method	Survey By	Date Surveyed	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Mag. Field	Accept Values?	Comments
165	ReflexEZG	J Siriunas	2021-05-12	-57.3	5.5	0	5.5		<input checked="" type="checkbox"/>	
170	ReflexEZG	J Siriunas	2021-05-12	-57.1	5.8	0	5.8		<input checked="" type="checkbox"/>	
175	ReflexEZG	J Siriunas	2021-05-12	-57	6	0	6		<input checked="" type="checkbox"/>	
180	ReflexEZG	J Siriunas	2021-05-12	-56.9	6.2	0	6.2		<input checked="" type="checkbox"/>	
185	ReflexEZG	J Siriunas	2021-05-12	-56.8	6.4	0	6.4		<input checked="" type="checkbox"/>	
190	ReflexEZG	J Siriunas	2021-05-12	-56.7	6.7	0	6.7		<input checked="" type="checkbox"/>	
195	ReflexEZG	J Siriunas	2021-05-12	-56.6	6.7	0	6.7		<input checked="" type="checkbox"/>	
200	ReflexEZG	J Siriunas	2021-05-12	-56.6	6.7	0	6.7		<input checked="" type="checkbox"/>	
205	ReflexEZG	J Siriunas	2021-05-12	-56.5	6.8	0	6.8		<input checked="" type="checkbox"/>	
210	ReflexEZG	J Siriunas	2021-05-12	-56.4	7	0	7		<input checked="" type="checkbox"/>	
215	ReflexEZG	J Siriunas	2021-05-12	-56.4	7	0	7		<input checked="" type="checkbox"/>	
220	ReflexEZG	J Siriunas	2021-05-12	-56.3	7.2	0	7.2		<input checked="" type="checkbox"/>	
225	ReflexEZG	J Siriunas	2021-05-12	-56.2	7.3	0	7.3		<input checked="" type="checkbox"/>	
230	ReflexEZG	J Siriunas	2021-05-12	-56.1	7.4	0	7.4		<input checked="" type="checkbox"/>	
235	ReflexEZG	J Siriunas	2021-05-12	-56	7.5	0	7.5		<input checked="" type="checkbox"/>	
240	ReflexEZG	J Siriunas	2021-05-12	-55.9	7.5	0	7.5		<input checked="" type="checkbox"/>	
245	ReflexEZG	J Siriunas	2021-05-12	-55.7	7.9	0	7.9		<input checked="" type="checkbox"/>	
250	ReflexEZG	J Siriunas	2021-05-12	-55.6	8.1	0	8.1		<input checked="" type="checkbox"/>	
255	ReflexEZG	J Siriunas	2021-05-12	-55.5	8.4	0	8.4		<input checked="" type="checkbox"/>	
260	ReflexEZG	J Siriunas	2021-05-12	-55.4	8.7	0	8.7		<input checked="" type="checkbox"/>	
265	ReflexEZG	J Siriunas	2021-05-12	-55.3	8.9	0	8.9		<input checked="" type="checkbox"/>	
270	ReflexEZG	J Siriunas	2021-05-12	-55.2	9	0	9		<input checked="" type="checkbox"/>	
275	ReflexEZG	J Siriunas	2021-05-12	-55.2	9.3	0	9.3		<input checked="" type="checkbox"/>	

Hole: LM21-09

Depth (m)	Survey Method	Survey By	Date Surveyed	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Mag. Field	Accept Values?	Comments
280	ReflexEZG	J Siriunas	2021-05-12	-55.2	9.3	0	9.3		<input checked="" type="checkbox"/>	
285	ReflexEZG	J Siriunas	2021-05-12	-54.7	9.3	0	9.3		<input checked="" type="checkbox"/>	
290	ReflexEZG	J Siriunas	2021-05-12	-54.2	9.1	0	9.1		<input checked="" type="checkbox"/>	
295	ReflexEZG	J Siriunas	2021-05-12	-54.1	9.6	0	9.6		<input checked="" type="checkbox"/>	
300	ReflexEZG	J Siriunas	2021-05-12	-53.9	9.9	0	9.9		<input checked="" type="checkbox"/>	
305	ReflexEZG	J Siriunas	2021-05-12	-53.7	10.3	0	10.3		<input checked="" type="checkbox"/>	
310	ReflexEZG	J Siriunas	2021-05-12	-53.6	10.5	0	10.5		<input checked="" type="checkbox"/>	
315	ReflexEZG	J Siriunas	2021-05-12	-53.4	10.8	0	10.8		<input checked="" type="checkbox"/>	
320	ReflexEZG	J Siriunas	2021-05-12	-53.4	11.1	0	11.1		<input checked="" type="checkbox"/>	
325	ReflexEZG	J Siriunas	2021-05-12	-53.3	11.4	0	11.4		<input checked="" type="checkbox"/>	
330	ReflexEZG	J Siriunas	2021-05-12	-53.1	11.7	0	11.7		<input checked="" type="checkbox"/>	
335	ReflexEZG	J Siriunas	2021-05-12	-53	11.9	0	11.9		<input checked="" type="checkbox"/>	
340	ReflexEZG	J Siriunas	2021-05-12	-52.9	12	0	12		<input checked="" type="checkbox"/>	
345	ReflexEZG	J Siriunas	2021-05-12	-52.8	12	0	12		<input checked="" type="checkbox"/>	
350	ReflexEZG	J Siriunas	2021-05-12	-52.7	12.1	0	12.1		<input checked="" type="checkbox"/>	
355	ReflexEZG	J Siriunas	2021-05-12	-52.7	12.2	0	12.2		<input checked="" type="checkbox"/>	
360	ReflexEZG	J Siriunas	2021-05-12	-52.6	12.3	0	12.3		<input checked="" type="checkbox"/>	
365	ReflexEZG	J Siriunas	2021-05-12	-52.5	12.3	0	12.3		<input checked="" type="checkbox"/>	
370	ReflexEZG	J Siriunas	2021-05-12	-52.5	12.5	0	12.5		<input checked="" type="checkbox"/>	
375	ReflexEZG	J Siriunas	2021-05-12	-52.4	12.6	0	12.6		<input checked="" type="checkbox"/>	
380	ReflexEZG	J Siriunas	2021-05-12	-52.3	12.7	0	12.7		<input checked="" type="checkbox"/>	
385	ReflexEZG	J Siriunas	2021-05-12	-52.2	12.8	0	12.8		<input checked="" type="checkbox"/>	
390	ReflexEZG	J Siriunas	2021-05-12	-52.1	13	0	13		<input checked="" type="checkbox"/>	



Hole: LM21-09

Depth (m)	Survey Method	Survey By	Date Surveyed	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Mag. Field	Accept Values?	Comments
395	ReflexEZG	J Siriunas	2021-05-12	-51.9	13.2	0	13.2		<input checked="" type="checkbox"/>	
398	ReflexEZG	J Siriunas	2021-05-12	-51.9	13.3	0	13.3		<input checked="" type="checkbox"/>	

Hole: LM21-09

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best gpt	Ag Best ppm	Cu Best ppm	As ICP ppm	S ICP pct
0.00	10.00	CAS Casing									
10.00	46.46	MV Mafic Volcanics	16.00	17.00	1.00	410885	0.032	0.4	359	708	0.59
banded throughout with a tuffaceous appearance banding is at 35 degrees to 40 degrees TCA variable QZ +/- CA veinlets											
		grey	17.00	18.00	1.00	410886	0.154	0.4	337	4140	1.63
			18.00	19.00	1.00	410887	0.022	0.4	221	396	0.25
			19.00	20.00	1.00	410888	0.017	0.4	219	76	0.19
			20.00	21.00	1.00	410889	0.014	0.5	254	36	0.21
			21.00	22.00	1.00	410891	0.04	1	241	2560	0.7
			22.00	23.00	1.00	410892	0.012	0.4	199	30	0.2
			23.00	24.00	1.00	410893	0.015	0.5	247	27	0.22
			24.00	25.00	1.00	410894	0.014	0.5	205	25	0.26
			25.00	26.00	1.00	410895	0.026	0.3	220	393	0.54
			26.00	27.00	1.00	410897	0.01	0.3	146	589	0.74
			27.00	28.00	1.00	410898	0.074	0.5	391	1850	0.68
			28.00	29.00	1.00	410899	0.019	0.3	137	258	1.01
			29.00	30.00	1.00	410901	0.02	0.4	215	1690	1.38
			30.00	31.00	1.00	410902	0.027	2.2	170	1280	0.53
			31.00	32.00	1.00	410903	0.033	0.7	357	1090	1.98
			32.00	33.00	1.00	410904	0.034	0.8	426	292	2.63
			33.00	34.00	1.00	410905	0.072	0.4	221	993	0.71
			34.00	35.00	1.00	410906	0.042	0.6	257	1530	1.61
			35.00	36.00	1.00	410907	0.049	0.7	421	204	2.22
			36.00	37.00	1.00	410908	0.022	0.4	231	223	0.15
			37.00	38.00	1.00	410909	0.015	0.4	221	56	0.25
			38.00	39.00	1.00	410911	0.018	0.4	314	37	0.26
			39.00	40.00	1.00	410912	0.011	2.1	401	25	0.46
			40.00	41.00	1.00	410913	0.01	0.4	356	31	0.33
			41.00	42.00	1.00	410914	0.016	1.3	1490	19	0.7

Hole: LM21-09

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best gpt	Ag Best ppm	Cu Best ppm	As ICP ppm	S ICP pct
			42.00	43.00	1.00	410915	0.016	1.7	1450	30	0.58
			43.00	44.00	1.00	410917	0.014	0.9	696	21	0.56
			44.00	45.00	1.00	410918	0.021	0.8	535	29	0.49
			45.00	46.00	1.00	410919	0.034	0.4	279	1620	1.03
<b>46.46</b>	<b>60.13 MV</b>	<b>Mafic Volcanics</b>	60.00	61.00	1.00	410921	0.156	0.9	329	5100	2.2
less banding than previous section											
<b>60.13</b>	<b>86.10 MV</b>	<b>Mafic Volcanics</b>	61.00	62.00	1.00	410922	0.049	0.4	187	346	1.07
as 10.00 m to 46.46 m											
			62.00	63.00	1.00	410923	0.01	0.2	126	103	0.52
			63.00	64.00	1.00	410924	0.009	0.6	287	21	1.31
			64.00	65.00	1.00	410925	0.021	0.5	163	41	0.14
			65.00	66.00	1.00	410926	0.034	0.5	258	44	0.08
			66.00	67.00	1.00	410927	0.025	0.4	195	17	0.14
			67.00	68.00	1.00	410928	0.014	0.6	244	2	1.55
			68.00	69.00	1.00	410929	0.009	0.3	186	1	1.11
			69.00	70.00	1.00	410931	0.016	0.2	129	21	0.13
			83.00	84.00	1.00	410932	0.015	0.1	185	44	0.27
			84.00	85.00	1.00	410933	0.029	0.1	214	47	0.19
			85.00	86.00	1.00	410934	0.031	0.1	213	42	0.18
			86.00	87.00	1.00	410935	0.018	0.1	176	34	0.43
<b>86.10</b>	<b>94.75 MV</b>	<b>Mafic Volcanics</b>	87.00	88.00	1.00	410937	0.011	0.1	160	41	0.53
includes chloritic breccia zone from 87.16 m to 92.83 m with some gouge between 89.50 m and 90.00 m breccia appears to be oriented subparallel TCA											
			88.00	89.00	1.00	410938	0.03	0.1	225	54	0.31
			89.00	90.00	1.00	410939	0.017	0.1	197	64	0.42
			90.00	91.00	1.00	410941	0.026	0.2	333	70	0.53
			91.00	92.00	1.00	410942	0.019	0.1	250	55	0.26
			92.00	93.00	1.00	410943	0.032	0.2	324	90	0.34
			93.00	94.00	1.00	410944	0.071	0.3	552	1340	1.7

Hole: LM21-09

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best gpt	Ag Best ppm	Cu Best ppm	As ICP ppm	S ICP pct
<b>94.75</b>	<b>196.13</b>	<b>MV Mafic Volcanics</b>	94.00	95.00	1.00	410945	0.078	0.7	523	1380	3.14
			95.00	96.00	1.00	410946	0.014	0.5	191	68	0.34
QZ - CA veinlets in various orientations rare massive QV QZ- CA -CL breccia sections with minor sulphides at 184.05 m to 184.27 m and 195.49 m to 196.13 m			96.00	97.00	1.00	410947	0.021	1.6	242	47	0.19
			97.00	98.00	1.00	410948	0.062	1	554	36	0.13
			98.00	99.00	1.00	410949	0.033	0.4	284	74	1.03
			99.00	100.00	1.00	410951	0.063	0.4	278	553	1.11
			100.00	101.00	1.00	410952	0.017	0.3	178	225	0.73
			101.00	102.00	1.00	410953	0.01	0.3	178	1070	1.1
			102.00	103.00	1.00	410954	0.015	0.4	257	2280	0.66
			103.00	104.00	1.00	410955	0.04	1	581	2970	0.6
			104.00	105.00	1.00	410957	0.158	1.2	871	1050	0.41
			105.00	106.00	1.00	410958	0.025	0.5	131	22	0.32
			106.00	107.00	1.00	410959	0.021	0.2	22	8	0.1
			107.00	108.00	1.00	410961	0.012	0.5	127	30	0.65
			108.00	109.00	1.00	410962	0.054	1	537	352	0.85
			109.00	110.00	1.00	410963	0.352	3.1	1400	31	0.32
			110.00	111.00	1.00	410964	0.039	0.4	266	24	0.24
			111.00	112.00	1.00	410965	0.013	0.3	206	13	0.51
			112.00	113.00	1.00	410966	0.026	0.3	241	10	0.34
			113.00	114.00	1.00	410967	0.007	0.2	169	8	0.44
			114.00	115.00	1.00	410968	0.017	0.3	196	18	0.23
			115.00	116.00	1.00	410969	0.018	0.2	179	20	0.14
			116.00	117.00	1.00	410971	0.034	0.2	261	31	0.15
			117.00	118.00	1.00	410972	0.028	0.3	158	40	0.11
			118.00	119.00	1.00	410973	0.032	0.2	132	61	0.13
			183.50	184.50	1.00	410974	0.022	0.1	296	14	0.56
			195.25	196.25	1.00	410975	0.009	0.1	109	10	0.25

Hole: LM21-09

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best gpt	Ag Best ppm	Cu Best ppm	As ICP ppm	S ICP pct
<b>196.13</b>	<b>231.00</b>	<b>MV Mafic Volcanics</b>									
few banded sections QVs between 204 m and 205 m and between 207 m and 207.50 m											
<b>231.00</b>	<b>271.60</b>	<b>MV Mafic Volcanics</b>	256.00	257.00	1.00	410977	0.033	0.3	277	48	0.48
contorted QZ and QZ - CA - CL breccia to 243.32 m QZ - CA veinlets with PY +/- PO between 256 m and 263 m											
			257.00	258.00	1.00	410978	0.015	0.1	194	52	0.31
			258.00	259.00	1.00	410979	0.024	0.1	208	34	0.11
			259.00	260.00	1.00	410981	0.015	0.2	353	30	0.21
			260.00	261.00	1.00	410982	0.008	0.3	322	15	0.93
			261.00	262.00	1.00	410983	0.007	0.3	287	23	0.3
			262.00	263.00	1.00	410984	0.015	0.3	279	27	0.12
			263.00	264.00	1.00	410985	0.022	0.3	248	21	0.34
			264.00	265.00	1.00	410986	0.017	0.1	226	43	0.11
			265.00	266.00	1.00	410987	3.04	0.4	284	39	0.32
			266.00	267.00	1.00	410988	0.113	0.3	318	43	0.29
			267.00	268.00	1.00	410989	0.015	0.3	235	48	0.13
			268.00	269.00	1.00	410991	0.016	0.2	195	31	0.38
			269.00	270.00	1.00	410992	0.037	0.4	334	39	0.25
			270.00	271.00	1.00	410993	0.197	0.3	277	25	0.28
			271.00	272.00	1.00	410994	0.014	0.1	234	22	0.12
			272.00	273.00	1.00	410995	0.006	0.1	237	31	0.04
<b>271.60</b>	<b>278.77</b>	<b>MV Mafic Volcanics</b>									
			273.00	274.00	1.00	410997	0.017	0.1	284	32	0.1
			274.00	275.00	1.00	410998	0.014	0.1	123	32	0.1
			275.00	276.00	1.00	410999	0.012	0.1	123	16	0.28
			276.00	277.00	1.00	411001	0.04	0.5	262	11	0.21
			277.00	278.00	1.00	411002	0.043	0.5	257	11	0.16
			278.00	279.00	1.00	411003	0.051	0.6	209	191	0.29
<b>278.77</b>	<b>282.02</b>	<b>MV Mafic Volcanics</b>	279.00	280.00	1.00	411004	0.012	0.6	327	615	0.85
some contorted banding and very chloritic around 279 m											

Hole: LM21-09

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best gpt	Ag Best ppm	Cu Best ppm	As ICP ppm	S ICP pct
			280.00	281.00	1.00	411005	0.035	1	572	683	0.75
			281.00	282.00	1.00	411006	0.01	0.4	239	841	0.67
			282.00	283.00	1.00	411007	0.02	0.5	223	11	0.1
<b>282.02</b>	<b>292.92 MV</b>	<b>Mafic Volcanics</b>	283.00	284.00	1.00	411008	0.028	0.8	249	6	0.08
			284.00	285.00	1.00	411009	0.021	0.7	204	7	0.27
			285.00	286.00	1.00	411011	0.296	1.5	370	15	0.13
			286.00	287.00	1.00	411012	0.113	0.8	225	12	0.13
			287.00	288.00	1.00	411013	0.36	0.7	187	16	0.24
			288.00	289.00	1.00	411014	0.03	0.6	252	24	0.11
			289.00	290.00	1.00	411015	0.036	0.6	298	18	0.09
<b>292.92</b>	<b>293.87 MV</b>	<b>Mafic Volcanics</b>									
<b>293.87</b>	<b>309.00 MV</b>	<b>Mafic Volcanics</b>	308.00	309.00	1.00	411017	0.029	0.1	8	1	0.005
<b>309.00</b>	<b>313.80 MV</b>	<b>Mafic Volcanics</b>	309.00	310.00	1.00	411018	0.012	0.8	249	2	0.81
		weak silicification minor sulphides									
			310.00	311.00	1.00	411019	0.007	0.5	203	2	0.76
			311.00	312.00	1.00	411021	0.0025	0.1	6	3	0.005
			312.00	313.00	1.00	411022	0.049	0.4	181	3	0.57
			313.00	314.00	1.00	411023	0.018	0.6	372	3	2
<b>313.80</b>	<b>376.43 MV</b>	<b>Mafic Volcanics</b>	314.00	315.00	1.00	411024	0.022	0.9	481	3	0.69
		scattered QZ - CA - CL contorted zones gouge from 327.30 m to 327.58 m QV with CP between 339.90 m and 340.10 m chloritic "ultramafic-type" zones though not as contorted as usual between 357.42 m and 357.85 m and between 364.44 m and 366.35 m									
			315.00	316.00	1.00	411025	0.052	0.7	247	3	0.5
			316.00	317.00	1.00	411026	0.055	0.1	7	2	0.005
			317.00	318.00	1.00	411027	0.0025	0.1	4	1	0.005
			318.00	319.00	1.00	411028	0.0025	0.1	9	1	0.01
			319.00	320.00	1.00	411029	0.019	0.4	47	8	0.02

Hole: LM21-09

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best gpt	Ag Best ppm	Cu Best ppm	As ICP ppm	S ICP pct
			320.00	321.00	1.00	411031	0.0025	0.1	7	2	0.01
			321.00	322.00	1.00	411032	0.0025	0.1	12	1	0.01
			336.00	337.00	1.00	411033	0.01	0.4	119	4	0.61
			337.00	338.00	1.00	411034	0.046	0.8	214	1	0.81
			338.00	339.00	1.00	411035	0.018	0.8	244	3	0.69
			339.00	340.00	1.00	411037	0.092	9.8	1210	8	0.81
			340.00	341.00	1.00	411038	0.043	0.3	48	7	0.14
			341.00	342.00	1.00	411039	0.254	1.7	53	5	0.14
			354.00	355.00	1.00	411041	0.023	0.3	57	9	0.28
			355.00	356.00	1.00	411042	0.021	0.3	65	4	0.25
			356.00	357.00	1.00	411043	0.02	1	146	3	0.54
			357.00	358.00	1.00	411044	0.012	0.9	163	12	0.75
			358.00	359.00	1.00	411045	0.014	0.3	110	5	0.46
			359.00	360.00	1.00	411046	0.032	1.7	103	12	0.8
			360.00	361.00	1.00	411047	0.0025	0.1	2	13	0.16
			361.00	362.00	1.00	411048	3.23	1.4	67	34	1.33
			362.00	363.00	1.00	411049	0.019	0.1	24	18	0.16
			363.00	364.00	1.00	411051	0.028	0.6	24	17	0.07
			364.00	365.00	1.00	411052	0.006	0.5	18	13	0.19
			365.00	366.00	1.00	411053	0.071	0.5	31	16	0.69
			366.00	367.00	1.00	411054	5.45	1.8	63	8	0.21
			367.00	368.00	1.00	411055	0.027	0.3	31	11	0.15
			368.00	369.00	1.00	411057	0.011	8	36	7	0.04
			375.00	376.00	1.00	411058	0.019	0.1	24	2	0.09
			376.00	377.00	1.00	411059	0.009	0.1	18	2	0.15
			377.00	378.00	1.00	411061	0.012	1	56	3	0.15
			378.00	379.00	1.00	411062	0.044	0.7	72	8	0.32
			379.00	380.00	1.00	411063	0.008	0.4	44	12	0.18
<b>376.43</b>	<b>379.94</b>	<b>MV</b>									
		<b>Mafic Volcanics</b>									

Hole: LM21-09

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best gpt	Ag Best ppm	Cu Best ppm	As ICP ppm	S ICP pct
<b>379.94</b>	<b>383.16</b>	<b>MV Mafic Volcanics</b> WEST (NORTH) ZONE "A" variable silicification PY +/- PO is foliation parallel to patchy	380.00	381.00	1.00	411064	0.403	1.1	147	4	0.66
			381.00	382.00	1.00	411065	0.093	2.3	367	2	2.11
			382.00	383.00	1.00	411066	7.15	3.8	165	497	1.78
			383.00	384.00	1.00	411067	0.023	0.7	56	23	0.41
<b>383.16</b>	<b>385.05</b>	<b>MV Mafic Volcanics</b> possibly intrusive?	384.00	385.00	1.00	411068	0.088	0.3	68	28	0.49
			385.00	386.00	1.00	411069	2.27	0.7	95	18	0.84
<b>385.05</b>	<b>394.40</b>	<b>MV Mafic Volcanics</b> WEST (NORTH) ZONE "B" variable weak to strong foliation local intense contortions variable silicification some EP along foliation planes minor disseminated or foliation parallel PY +/- PO vuggy PY zones at 386.56 m to 386.73 m and 391.08 m to 391.28 m QZ - CL vein breccia at 392.50 m to 393.40 m	386.00	387.00	1.00	411071	3.05	1	79	29	1.69
			387.00	388.00	1.00	411072	0.198	0.1	31	54	0.11
			388.00	389.00	1.00	411073	1.17	0.7	73	26	0.25
			389.00	390.00	1.00	411074	0.072	0.1	10	20	0.04
			390.00	391.00	1.00	411075	0.008	0.1	10	25	0.15
			391.00	392.00	1.00	411077	0.068	0.2	114	11	0.59
			392.00	393.00	1.00	411078	0.022	0.1	81	9	0.3
			393.00	394.00	1.00	411079	0.175	0.1	17	8	0.1
			394.00	395.00	1.00	411081	0.049	0.4	144	4	0.24
<b>394.40</b>	<b>405.00</b>	<b>LEP Leopard Rock</b> EOH @ 405 m ragged CL at upper contact generally massive but local foliated sections uneven distribution of porphyroblasts									



Hole: LM21-09

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best gpt	Ag Best ppm	Cu Best ppm	As ICP ppm	S ICP pct
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End of Hole @ 405

**Project:** Lingman Lake mine

**Hole:** LM21-10

<b>Target:</b>	WESTZ	<b>Survey Type:</b>	DGPS	<b>Logged By:</b>	J Siriunas	<b>Hole Type:</b>	DD
<b>UTM Grid:</b>	NAD83_Z15	<b>Survey By:</b>	M Cardinal	<b>Date Started:</b>		<b>Hole Diameter:</b>	7.57
<b>UTM East:</b>	506813.063	<b>Azimuth:</b>	0.7	<b>Date Completed:</b>		<b>Core Size:</b>	NQ
<b>UTM North:</b>	5968684.417	<b>Dip:</b>	-50.1	<b>Drill Company:</b>	Mike	<b>Casing Pulled?:</b>	<input type="checkbox"/>
<b>UTM Elevation (m):</b>	270.724	<b>Length (m):</b>	321	<b>Drill Rig:</b>	Rig1	<b>Casing Depth (m):</b>	3
<b>Local Grid:</b>		<b>NTS:</b>	53F15	<b>Drill Started:</b>	2021-05-13	<b>Reduced (m):</b>	
<b>Local East:</b>		<b>Township:</b>	Lingman Lake Area	<b>Drill Completed:</b>	2021-05-16	<b>Reduced Size:</b>	
<b>Local North:</b>		<b>Claim No.:</b>	PAT-40608			<b>Oriented?:</b>	<input checked="" type="checkbox"/>
<b>Local Elevation (m):</b>		<b>Comments:</b>					
<b>Hole Status:</b>	Completed						
<b>Hole Purpose:</b>	EXPL						

Depth (m)	Survey Method	Survey By	Date Surveyed	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Mag. Field	Accept Values?	Comments
0	ReflexEZG	J Siriunas	2021-05-16	-50.1	0.7	0	0.7		<input checked="" type="checkbox"/>	
5	ReflexEZG	J Siriunas	2021-05-16	-50.3	0.7	0	0.7		<input checked="" type="checkbox"/>	
10	ReflexEZG	J Siriunas	2021-05-16	-50.2	0.6	0	0.6		<input checked="" type="checkbox"/>	
15	ReflexEZG	J Siriunas	2021-05-16	-50.2	0.5	0	0.5		<input checked="" type="checkbox"/>	
20	ReflexEZG	J Siriunas	2021-05-16	-50	0.6	0	0.6		<input checked="" type="checkbox"/>	
25	ReflexEZG	J Siriunas	2021-05-16	-49.8	0.5	0	0.5		<input checked="" type="checkbox"/>	
30	ReflexEZG	J Siriunas	2021-05-16	-49.6	0.8	0	0.8		<input checked="" type="checkbox"/>	
35	ReflexEZG	J Siriunas	2021-05-16	-49.3	1	0	1		<input checked="" type="checkbox"/>	
40	ReflexEZG	J Siriunas	2021-05-16	-48.8	1.1	0	1.1		<input checked="" type="checkbox"/>	
45	ReflexEZG	J Siriunas	2021-05-16	-48.4	1	0	1		<input checked="" type="checkbox"/>	

Hole: LM21-10

Depth (m)	Survey Method	Survey By	Date Surveyed	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Mag. Field	Accept Values?	Comments
50	ReflexEZG	J Siriunas	2021-05-16	-47.8	1.3	0	1.3		<input checked="" type="checkbox"/>	
55	ReflexEZG	J Siriunas	2021-05-16	-47.5	1.5	0	1.5		<input checked="" type="checkbox"/>	
60	ReflexEZG	J Siriunas	2021-05-16	-47.3	1.7	0	1.7		<input checked="" type="checkbox"/>	
65	ReflexEZG	J Siriunas	2021-05-16	-47.1	1.7	0	1.7		<input checked="" type="checkbox"/>	
70	ReflexEZG	J Siriunas	2021-05-16	-46.8	1.7	0	1.7		<input checked="" type="checkbox"/>	
75	ReflexEZG	J Siriunas	2021-05-16	-46.5	1.8	0	1.8		<input checked="" type="checkbox"/>	
80	ReflexEZG	J Siriunas	2021-05-16	-46.3	1.9	0	1.9		<input checked="" type="checkbox"/>	
85	ReflexEZG	J Siriunas	2021-05-16	-46.1	2	0	2		<input checked="" type="checkbox"/>	
90	ReflexEZG	J Siriunas	2021-05-16	-46	2	0	2		<input checked="" type="checkbox"/>	
95	ReflexEZG	J Siriunas	2021-05-16	-45.8	2	0	2		<input checked="" type="checkbox"/>	
100	ReflexEZG	J Siriunas	2021-05-16	-45.8	2	0	2		<input checked="" type="checkbox"/>	
105	ReflexEZG	J Siriunas	2021-05-16	-45.7	2	0	2		<input checked="" type="checkbox"/>	
110	ReflexEZG	J Siriunas	2021-05-16	-45.5	1.9	0	1.9		<input checked="" type="checkbox"/>	
115	ReflexEZG	J Siriunas	2021-05-16	-45.3	2	0	2		<input checked="" type="checkbox"/>	
120	ReflexEZG	J Siriunas	2021-05-16	-45.1	2.1	0	2.1		<input checked="" type="checkbox"/>	
125	ReflexEZG	J Siriunas	2021-05-16	-44.9	2.1	0	2.1		<input checked="" type="checkbox"/>	
130	ReflexEZG	J Siriunas	2021-05-16	-44.7	2.1	0	2.1		<input checked="" type="checkbox"/>	
135	ReflexEZG	J Siriunas	2021-05-16	-44.5	2.2	0	2.2		<input checked="" type="checkbox"/>	
140	ReflexEZG	J Siriunas	2021-05-16	-44.4	2.3	0	2.3		<input checked="" type="checkbox"/>	
145	ReflexEZG	J Siriunas	2021-05-16	-44.3	2.3	0	2.3		<input checked="" type="checkbox"/>	
150	ReflexEZG	J Siriunas	2021-05-16	-44.2	2.5	0	2.5		<input checked="" type="checkbox"/>	
155	ReflexEZG	J Siriunas	2021-05-16	-44.1	2.6	0	2.6		<input checked="" type="checkbox"/>	
160	ReflexEZG	J Siriunas	2021-05-16	-44	2.5	0	2.5		<input checked="" type="checkbox"/>	

Hole: LM21-10

Depth (m)	Survey Method	Survey By	Date Surveyed	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Mag. Field	Accept Values?	Comments
165	ReflexEZG	J Siriunas	2021-05-16	-43.9	2.5	0	2.5		<input checked="" type="checkbox"/>	
170	ReflexEZG	J Siriunas	2021-05-16	-43.8	2.6	0	2.6		<input checked="" type="checkbox"/>	
175	ReflexEZG	J Siriunas	2021-05-16	-43.7	2.7	0	2.7		<input checked="" type="checkbox"/>	
180	ReflexEZG	J Siriunas	2021-05-16	-43.7	2.7	0	2.7		<input checked="" type="checkbox"/>	
185	ReflexEZG	J Siriunas	2021-05-16	-43.6	2.7	0	2.7		<input checked="" type="checkbox"/>	
190	ReflexEZG	J Siriunas	2021-05-16	-43.5	2.8	0	2.8		<input checked="" type="checkbox"/>	
195	ReflexEZG	J Siriunas	2021-05-16	-43.4	2.9	0	2.9		<input checked="" type="checkbox"/>	
200	ReflexEZG	J Siriunas	2021-05-16	-43.4	2.9	0	2.9		<input checked="" type="checkbox"/>	
205	ReflexEZG	J Siriunas	2021-05-16	-43.3	3	0	3		<input checked="" type="checkbox"/>	
210	ReflexEZG	J Siriunas	2021-05-16	-43.2	3	0	3		<input checked="" type="checkbox"/>	
215	ReflexEZG	J Siriunas	2021-05-16	-43	3.1	0	3.1		<input checked="" type="checkbox"/>	
220	ReflexEZG	J Siriunas	2021-05-16	-42.8	3.3	0	3.3		<input checked="" type="checkbox"/>	
225	ReflexEZG	J Siriunas	2021-05-16	-42.7	3.3	0	3.3		<input checked="" type="checkbox"/>	
230	ReflexEZG	J Siriunas	2021-05-16	-42.5	3.3	0	3.3		<input checked="" type="checkbox"/>	
235	ReflexEZG	J Siriunas	2021-05-16	-42.2	3.6	0	3.6		<input checked="" type="checkbox"/>	
240	ReflexEZG	J Siriunas	2021-05-16	-42	3.9	0	3.9		<input checked="" type="checkbox"/>	
245	ReflexEZG	J Siriunas	2021-05-16	-41.9	3.9	0	3.9		<input checked="" type="checkbox"/>	
250	ReflexEZG	J Siriunas	2021-05-16	-41.8	3.9	0	3.9		<input checked="" type="checkbox"/>	
255	ReflexEZG	J Siriunas	2021-05-16	-41.6	3.9	0	3.9		<input checked="" type="checkbox"/>	
260	ReflexEZG	J Siriunas	2021-05-16	-41.5	4	0	4		<input checked="" type="checkbox"/>	
265	ReflexEZG	J Siriunas	2021-05-16	-41.4	4.3	0	4.3		<input checked="" type="checkbox"/>	
270	ReflexEZG	J Siriunas	2021-05-16	-41.2	4.4	0	4.4		<input checked="" type="checkbox"/>	
275	ReflexEZG	J Siriunas	2021-05-16	-41.1	4.5	0	4.5		<input checked="" type="checkbox"/>	

Hole: LM21-10

Depth (m)	Survey Method	Survey By	Date Surveyed	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Mag. Field	Accept Values?	Comments
280	ReflexEZG	J Siriunas	2021-05-16	-41	4.6	0	4.6		<input checked="" type="checkbox"/>	
285	ReflexEZG	J Siriunas	2021-05-16	-41	4.7	0	4.7		<input checked="" type="checkbox"/>	
290	ReflexEZG	J Siriunas	2021-05-16	-40.9	4.9	0	4.9		<input checked="" type="checkbox"/>	
294	ReflexEZG	J Siriunas	2021-05-16	-40.9	4.9	0	4.9		<input checked="" type="checkbox"/>	

Hole: LM21-10

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best gpt	Ag Best ppm	Cu Best ppm	As ICP ppm	S ICP pct
0.00	3.00	CAS Casing									
3.00	10.20	MV Mafic Volcanics	10.00	11.00	1.00	411082	0.023	0.4	216	172	0.72
weathered blocky broken and oxidized to about 7 m											
10.20	31.85	MV Mafic Volcanics	11.00	12.00	1.00	411083	0.023	0.6	431	38	0.43
local silicification banded with PY +/- PO and some patchy PY banding is locally contorted											
			12.00	13.00	1.00	411084	0.016	0.5	325	34	0.46
			13.00	14.00	1.00	411085	0.018	0.4	216	38	0.3
			14.00	15.00	1.00	411086	0.022	0.5	298	101	0.77
			15.00	16.00	1.00	411087	0.343	0.7	537	2790	2.8
			16.00	17.00	1.00	411088	0.06	0.5	296	442	1.36
			17.00	18.00	1.00	411089	0.171	0.6	538	1680	2.62
			18.00	19.00	1.00	411091	0.01	0.3	229	67	1.11
			19.00	20.00	1.00	411092	0.017	0.3	243	54	1.21
			20.00	21.00	1.00	411093	0.01	0.3	204	39	0.3
			21.00	22.00	1.00	411094	0.124	0.7	689	392	2.46
			22.00	23.00	1.00	411095	0.026	0.3	228	39	0.16
			23.00	24.00	1.00	411097	0.009	0.2	171	41	0.22
			24.00	25.00	1.00	411098	0.005	0.1	133	42	0.09
			25.00	26.00	1.00	411099	0.006	0.2	138	36	0.14
			26.00	27.00	1.00	411101	0.0025	0.1	59	25	0.05
			27.00	28.00	1.00	411102	0.008	0.2	202	39	0.25
			28.00	29.00	1.00	411103	0.017	0.3	224	40	0.53
			29.00	30.00	1.00	411104	0.012	0.3	188	47	0.17
			30.00	31.00	1.00	411105	0.101	0.3	467	561	1.39
			31.00	32.00	1.00	411106	0.126	0.3	282	803	2.17
31.85	38.56	MV Mafic Volcanics	32.00	33.00	1.00	411107	0.04	0.1	205	30	1.2
			33.00	34.00	1.00	411108	0.039	0.1	197	32	0.4

Hole: LM21-10

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best gpt	Ag Best ppm	Cu Best ppm	As ICP ppm	S ICP pct	
<b>38.56</b>	<b>41.64</b>	<b>MV</b> similar to 10.20 m to 31.85 m	<b>Mafic Volcanics</b>	34.00	35.00	1.00	411109	0.056	0.7	551	44	0.38
				39.00	40.00	1.00	411111	0.012	0.3	222	35	0.49
<b>41.64</b>	<b>43.54</b>	<b>MV</b>	<b>Mafic Volcanics</b>	40.00	41.00	1.00	411112	0.0025	0.1	78	37	0.23
				41.00	42.00	1.00	411113	0.044	2.7	4160	15	2.8
<b>43.54</b>	<b>44.32</b>	<b>MV</b>	<b>Mafic Volcanics</b>	42.00	43.00	1.00	411114	0.0025	0.1	129	26	0.43
				43.00	44.00	1.00	411115	0.008	0.4	352	16	1.87
<b>44.32</b>	<b>50.06</b>	<b>MV</b>	<b>Mafic Volcanics</b>	44.00	45.00	1.00	411117	0.086	1.1	766	11	1.76
				45.00	46.00	1.00	411118	0.022	0.4	207	40	0.1
<b>50.06</b>	<b>53.43</b>	<b>MV</b>	<b>Mafic Volcanics</b>	46.00	47.00	1.00	411119	0.028	0.3	184	31	0.1
				47.00	48.00	1.00	411121	0.034	0.3	192	8	0.17
<b>53.43</b>	<b>56.40</b>	<b>MV</b> some contorted banding	<b>Mafic Volcanics</b>	48.00	49.00	1.00	411122	0.095	0.3	200	2	0.97
				49.00	50.00	1.00	411123	0.73	0.3	196	14	0.64
<b>56.40</b>	<b>63.55</b>	<b>MYL</b> QZ - CA breccia that is locally very contorted	<b>Mylonite - intensively sheared rock</b>	50.00	51.00	1.00	411124	0.019	0.1	133	25	0.05
				51.00	52.00	1.00	411125	0.008	0.1	34	23	0.04
				52.00	53.00	1.00	411126	0.0025	0.1	12	14	0.2
				53.00	54.00	1.00	411127	0.012	0.2	121	7	0.37
				54.00	55.00	1.00	411128	0.041	0.5	367	9	0.68
				55.00	56.00	1.00	411129	0.035	0.3	213	10	0.5
				56.00	57.00	1.00	411131	0.028	0.2	194	10	0.42

Hole: **LM21-10**

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best gpt	Ag Best ppm	Cu Best ppm	As ICP ppm	S ICP pct
<b>63.55</b>	<b>233.60</b>	<b>MV Mafic Volcanics</b>	87.75	88.25	0.50	411132	0.024	0.8	1030	30	0.32
banded to start becoming massive QV with PY +/- CP from 87.95 m to 88.12 m weak patchy silicification or QVing? from about 117 m to 119.60 m, 120.70 m to 120.83 m, 121.31 m to 121.44 m, 122.54 m to 122.63 m, 133 m to 134 m, 142.30 m to 142.40 m (with PY), plus other zones to about 181 m QZ - CA - CL contorted breccia from 158.20 m to 158.43 m with minor PY after the lower contact section from 186 m to 192 m covered with hydraulic oil some QFP breccia with massive QZ in the section from 226.16 m through 233 m											
			117.00	118.00	1.00	411133	0.0025	0.1	72	28	0.09
			118.00	119.00	1.00	411134	0.0025	0.2	226	1	0.72
			119.00	120.00	1.00	411135	0.018	0.3	342	8	0.76
			120.00	121.00	1.00	411137	0.019	0.3	313	19	0.47
			121.00	122.00	1.00	411138	0.01	0.1	249	26	0.2
			122.00	123.00	1.00	411139	0.013	0.1	266	27	0.2
			141.00	142.00	1.00	411141	0.013	0.1	185	1210	0.43
			142.00	143.00	1.00	411142	0.006	0.4	751	167	0.93
			158.50	159.50	1.00	411143	0.017	0.6	364	493	0.43
			159.50	160.50	1.00	411144	0.016	0.4	230	324	0.55
			186.00	187.00	1.00	411145	0.04	0.3	187	12	0.28
			187.00	188.00	1.00	411146	0.051	0.5	392	4	0.91
			188.00	189.00	1.00	411147	0.027	0.2	139	16	0.14
			189.00	190.00	1.00	411148	0.01	0.1	105	13	0.16
			190.00	191.00	1.00	411149	0.011	0.1	105	10	0.14
			191.00	192.00	1.00	411151	0.007	0.1	224	7	0.57
			192.00	193.00	1.00	411152	0.02	0.4	307	9	0.26
			193.00	194.00	1.00	411153	0.014	0.4	195	10	0.25
			194.00	195.00	1.00	411154	0.011	0.4	182	8	0.33
			195.00	196.00	1.00	411155	0.676	0.4	119	22	0.96
			196.00	197.00	1.00	411157	0.068	0.1	87	17	0.35
			226.00	227.00	1.00	411158	0.033	0.9	264	2	0.11
			227.00	228.00	1.00	411159	0.058	1.4	395	1	0.59



Hole: LM21-10

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best gpt	Ag Best ppm	Cu Best ppm	As ICP ppm	S ICP pct
			228.00	229.00	1.00	411161	0.32	1.5	90	1	0.49
			229.00	230.00	1.00	411162	0.039	0.4	75	5	0.42
			230.00	231.00	1.00	411163	0.007	0.1	6	4	0.02
			231.00	232.00	1.00	411164	0.0025	0.1	2	4	0.005
			232.00	233.00	1.00	411165	0.0025	0.1	10	3	0.07
			233.00	234.00	1.00	411166	0.398	0.2	36	1	0.11
<b>233.60</b>	<b>272.65</b>	<b>MV Mafic Volcanics</b>	234.00	235.00	1.00	411167	0.154	1.6	664	5	1.89
banded possibly some chloritic gouge at upper contact											
scattered zones of weak silicification											
banded and chloritic from 239.30 m to 246.50 m including talcose and soft between 242 m and 243 m											
			235.00	236.00	1.00	411168	0.039	0.3	30	42	0.25
			236.00	237.00	1.00	411169	0.0025	0.1	19	11	0.02
			237.00	238.00	1.00	411171	0.0025	0.3	28	25	0.04
			238.00	239.00	1.00	411172	0.0025	0.2	18	32	0.03
			239.00	240.00	1.00	411173	0.014	1.4	160	53	0.14
			240.00	241.00	1.00	411174	0.006	0.4	36	55	0.12
			241.00	242.00	1.00	411175	0.007	0.3	34	70	0.04
			242.00	243.00	1.00	411177	0.029	0.4	35	49	0.06
			243.00	244.00	1.00	411178	0.013	0.4	76	43	0.05
			244.00	245.00	1.00	411179	0.008	0.2	44	29	0.04
			245.00	246.00	1.00	411181	0.013	0.4	47	8	0.13
			246.00	247.00	1.00	411182	0.018	0.3	71	5	0.07
			247.00	248.00	1.00	411183	0.013	0.1	82	4	0.07
			248.00	249.00	1.00	411184	0.016	1.3	136	19	0.62
			249.00	250.00	1.00	411185	0.133	0.9	133	23	0.8
			250.00	251.00	1.00	411186	0.066	0.3	113	14	0.63
			251.00	252.00	1.00	411187	0.028	0.5	112	10	0.75
			252.00	253.00	1.00	411188	0.118	1.3	453	5	2.41
			253.00	254.00	1.00	411189	0.007	0.4	133	9	0.83
			254.00	255.00	1.00	411191	0.076	0.5	175	9	0.87

Hole: LM21-10

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best gpt	Ag Best ppm	Cu Best ppm	As ICP ppm	S ICP pct
			255.00	256.00	1.00	411192	0.023	0.6	161	13	0.85
			256.00	257.00	1.00	411193	0.048	0.5	169	80	0.55
			257.00	258.00	1.00	411194	0.036	0.8	146	83	0.24
			258.00	259.00	1.00	411195	0.008	0.3	61	26	0.16
			259.00	260.00	1.00	411197	0.198	0.3	92	50	0.11
			260.00	261.00	1.00	411198	0.017	0.1	102	40	0.04
			261.00	262.00	1.00	411199	0.022	0.3	70	47	0.17
			262.00	263.00	1.00	411201	0.014	0.3	72	26	0.07
			263.00	264.00	1.00	411202	0.032	0.5	101	17	0.2
			264.00	265.00	1.00	411203	0.022	0.4	93	18	0.12
			265.00	266.00	1.00	411204	0.073	0.6	97	58	0.35
			266.00	267.00	1.00	411205	0.038	0.3	78	131	0.16
			267.00	268.00	1.00	411206	0.02	0.2	58	148	0.11
			268.00	269.00	1.00	411207	0.263	1	195	134	0.49
			269.00	270.00	1.00	411208	0.055	1	62	160	0.23
			270.00	271.00	1.00	411209	0.686	3.1	357	193	0.55
			271.00	272.00	1.00	411211	0.631	4.5	625	7	1.75
			272.00	273.00	1.00	411212	0.291	0.5	67	8	0.21
<b>272.65</b>	<b>275.20</b>	<b>MV</b>									
		<b>Mafic Volcanics</b>									
<b>275.20</b>	<b>279.00</b>	<b>MV</b>									
		<b>Mafic Volcanics</b>									
<b>279.00</b>	<b>289.62</b>	<b>MV</b>									
		<b>Mafic Volcanics</b>									
			279.00	280.00	1.00	411213	0.024	0.1	54	4	0.08
			280.00	281.00	1.00	411214	0.513	0.4	33	14	0.2
			281.00	282.00	1.00	411215	0.762	0.9	101	6	0.27
			282.00	283.00	1.00	411217	0.482	0.7	137	4	0.23
			283.00	284.00	1.00	411218	1.54	1.7	130	48	1.58
			284.00	285.00	1.00	411219	1.38	2.8	190	29	1.81
			285.00	286.00	1.00	411221	3.42	5	444	164	4.26

WEST (NORTH) ZONE  
 best sulphide mineralization between 283 m and 287 m

**Hole: LM21-10**

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best gpt	Ag Best ppm	Cu Best ppm	As ICP ppm	S ICP pct
			286.00	287.00	1.00	411222	1.45	1.5	118	23	3.99
			287.00	288.00	1.00	411223	0.006	0.1	1	22	0.34
			288.00	289.00	1.00	411224	0.038	0.1	9	10	0.45
			289.00	290.00	1.00	411225	0.031	0.1	15	16	0.42
<b>289.62</b>	<b>294.50</b>	<b>MV</b> some EP	290.00	291.00	1.00	411226	0.018	0.1	75	20	0.37
		<b>Mafic Volcanics</b>	291.00	292.00	1.00	411227	0.008	0.1	29	10	0.18
			292.00	293.00	1.00	411228	0.015	0.2	71	3	0.17

**294.50 299.00 LEP**      **Leopard Rock**  
EOH @ 299 m  
relatively rare porphyroblasts compared to typical intersection

**End of Hole @ 321**

**Project:** Lingman Lake mine

**Hole:** LM21-11

<b>Target:</b>	WESTZ	<b>Survey Type:</b>	DGPS	<b>Logged By:</b>	J Siriunas	<b>Hole Type:</b>	DD
<b>UTM Grid:</b>	NAD83_Z15	<b>Survey By:</b>	M Cardinal	<b>Date Started:</b>		<b>Hole Diameter:</b>	7.57
<b>UTM East:</b>	506929.252	<b>Azimuth:</b>	1.4	<b>Date Completed:</b>		<b>Core Size:</b>	NQ
<b>UTM North:</b>	5968781.897	<b>Dip:</b>	-46.5	<b>Drill Company:</b>	Mike	<b>Casing Pulled?:</b>	<input type="checkbox"/>
<b>UTM Elevation (m):</b>	274.101	<b>Length (m):</b>	131	<b>Drill Rig:</b>	Rig1	<b>Casing Depth (m):</b>	3
<b>Local Grid:</b>		<b>NTS:</b>	53F15	<b>Drill Started:</b>	2021-05-28	<b>Reduced (m):</b>	
<b>Local East:</b>		<b>Township:</b>	Lingman Lake Area	<b>Drill Completed:</b>	2021-05-30	<b>Reduced Size:</b>	
<b>Local North:</b>		<b>Claim No.:</b>	PAT-40608			<b>Oriented?:</b>	<input checked="" type="checkbox"/>
<b>Local Elevation (m):</b>		<b>Comments:</b>					
<b>Hole Status:</b>	Completed						
<b>Hole Purpose:</b>	EXPL						

Depth (m)	Survey Method	Survey By	Date Surveyed	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Mag. Field	Accept Values?	Comments
0	ReflexEZG	J Siriunas	2021-05-30	-46.5	1.4	0	1.4		<input checked="" type="checkbox"/>	
5	ReflexEZG	J Siriunas	2021-05-30	-46.3	1.8	0	1.8		<input checked="" type="checkbox"/>	
10	ReflexEZG	J Siriunas	2021-05-30	-46.1	2	0	2		<input checked="" type="checkbox"/>	
15	ReflexEZG	J Siriunas	2021-05-30	-45.9	2	0	2		<input checked="" type="checkbox"/>	
20	ReflexEZG	J Siriunas	2021-05-30	-45.7	2.2	0	2.2		<input checked="" type="checkbox"/>	
25	ReflexEZG	J Siriunas	2021-05-30	-45.6	2.2	0	2.2		<input checked="" type="checkbox"/>	
30	ReflexEZG	J Siriunas	2021-05-30	-45.4	2.3	0	2.3		<input checked="" type="checkbox"/>	
35	ReflexEZG	J Siriunas	2021-05-30	-45.4	2.4	0	2.4		<input checked="" type="checkbox"/>	
40	ReflexEZG	J Siriunas	2021-05-30	-45.2	2.5	0	2.5		<input checked="" type="checkbox"/>	
45	ReflexEZG	J Siriunas	2021-05-30	-45.1	2.6	0	2.6		<input checked="" type="checkbox"/>	

Hole: LM21-11

Depth (m)	Survey Method	Survey By	Date Surveyed	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Mag. Field	Accept Values?	Comments
50	ReflexEZG	J Siriunas	2021-05-30	-44.9	2.8	0	2.8		<input checked="" type="checkbox"/>	
55	ReflexEZG	J Siriunas	2021-05-30	-44.8	3.1	0	3.1		<input checked="" type="checkbox"/>	
60	ReflexEZG	J Siriunas	2021-05-30	-44.5	3.2	0	3.2		<input checked="" type="checkbox"/>	
65	ReflexEZG	J Siriunas	2021-05-30	-44.3	3.3	0	3.3		<input checked="" type="checkbox"/>	
70	ReflexEZG	J Siriunas	2021-05-30	-44	3.5	0	3.5		<input checked="" type="checkbox"/>	
75	ReflexEZG	J Siriunas	2021-05-30	-43.9	3.7	0	3.7		<input checked="" type="checkbox"/>	
80	ReflexEZG	J Siriunas	2021-05-30	-43.6	3.7	0	3.7		<input checked="" type="checkbox"/>	
85	ReflexEZG	J Siriunas	2021-05-30	-43.5	3.7	0	3.7		<input checked="" type="checkbox"/>	
90	ReflexEZG	J Siriunas	2021-05-30	-43.4	3.9	0	3.9		<input checked="" type="checkbox"/>	
95	ReflexEZG	J Siriunas	2021-05-30	-43.2	4	0	4		<input checked="" type="checkbox"/>	
100	ReflexEZG	J Siriunas	2021-05-30	-42.9	4.1	0	4.1		<input checked="" type="checkbox"/>	
105	ReflexEZG	J Siriunas	2021-05-30	-42.7	4.2	0	4.2		<input checked="" type="checkbox"/>	
110	ReflexEZG	J Siriunas	2021-05-30	-42.6	4.2	0	4.2		<input checked="" type="checkbox"/>	
115	ReflexEZG	J Siriunas	2021-05-30	-42.5	4.2	0	4.2		<input checked="" type="checkbox"/>	
120	ReflexEZG	J Siriunas	2021-05-30	-42.3	4.2	0	4.2		<input checked="" type="checkbox"/>	
125	ReflexEZG	J Siriunas	2021-05-30	-42.2	4.1	0	4.1		<input checked="" type="checkbox"/>	

Hole: LM21-11

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best gpt	Ag Best ppm	Cu Best ppm	As ICP ppm	S ICP pct
<b>0.00</b>	<b>0.50</b>	<b>CAS Casing</b>									
<b>0.50</b>	<b>43.85</b>	<b>MV Mafic Volcanics</b>	1.00	2.00	1.00	411383	0.043	0.4	232	6	0.63
weak foliation but fairly strong and contorted between 16 m and 19 m local silicified sections with PY - PO at 9.53 m to 10.11 m, 12.94 m to 14.04 m, 16.35 m to 17.61 m and 25.84 m to 26.22 m gouge @ 19.60 m oriented 45 degrees TCA											
			8.00	9.00	1.00	411384	0.012	0.1	33	14	0.01
			9.00	10.00	1.00	411385	0.464	0.8	163	10	0.78
			10.00	11.00	1.00	411386	0.056	0.1	23	18	0.06
			11.00	12.00	1.00	411387	0.007	0.1	6	30	0.01
			12.00	13.00	1.00	411388	0.007	0.1	4	20	0.005
			13.00	14.00	1.00	411389	0.53	0.9	372	12	0.45
			14.00	15.00	1.00	411391	0.009	0.1	7	9	0.05
			15.00	16.00	1.00	411392	0.062	0.4	131	18	0.22
			16.00	17.00	1.00	411393	0.117	0.4	171	12	0.45
			17.00	18.00	1.00	411394	0.148	0.5	199	18	0.68
			18.00	19.00	1.00	411395	0.01	0.1	33	20	0.1
			19.00	20.00	1.00	411397	0.094	0.3	337	3	0.37
			20.00	21.00	1.00	411398	0.019	0.4	201	4	0.54
			21.00	22.00	1.00	411399	0.022	0.8	273	7	0.62
			22.00	23.00	1.00	411401	0.017	0.3	112	9	0.15
			23.00	24.00	1.00	411402	0.028	0.3	125	10	0.06
			24.00	25.00	1.00	411403	0.027	0.3	94	10	0.05
			25.00	26.00	1.00	411404	0.02	0.3	83	1	0.21
			26.00	27.00	1.00	411405	0.067	1.1	225	37	1.45
			27.00	28.00	1.00	411406	0.011	0.5	278	9	0.81
			28.00	29.00	1.00	411407	0.029	0.6	222	6	0.3
<b>43.85</b>	<b>53.19</b>	<b>MV Mafic Volcanics</b>	53.00	54.00	1.00	411408	0.015	0.4	117	3	1.07
becoming banded some sections with intense QZ - CA - CL veining											

Hole: **LM21-11**

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best gpt	Ag Best ppm	Cu Best ppm	As ICP ppm	S ICP pct
<b>53.19</b>	<b>60.46</b>	<b>MV Mafic Volcanics</b> variable silicification with some PY +/- PO	54.00	55.00	1.00	411409	0.037	0.4	18	1	0.44
			55.00	56.00	1.00	411411	0.014	0.2	9	3	0.16
			56.00	57.00	1.00	411412	0.009	0.5	20	4	0.04
			57.00	58.00	1.00	411413	0.02	0.4	37	9	0.25
			58.00	59.00	1.00	411414	0.15	0.6	8	17	0.81
			59.00	60.00	1.00	411415	0.054	0.4	26	20	0.28
			60.00	61.00	1.00	411417	0.05	0.7	108	45	1.21
<b>60.46</b>	<b>63.00</b>	<b>MV Mafic Volcanics</b> dark grey	61.00	62.00	1.00	411418	0.007	0.1	37	13	0.22
			62.00	63.00	1.00	411419	0.006	0.3	74	3	0.34
<b>63.00</b>	<b>81.47</b>	<b>MV Mafic Volcanics</b> minor local silicification scattered stringer and disseminated PY throughout but especially from 70.30 m to 76.53 m stronger fabric developing after 76.53 m	63.00	64.00	1.00	411421	0.023	0.9	146	6	2.23
			64.00	65.00	1.00	411422	0.107	0.9	141	3	1.04
			65.00	66.00	1.00	411423	0.012	0.5	45	1	0.28
			66.00	67.00	1.00	411424	0.013	0.2	49	1	0.11
			67.00	68.00	1.00	411425	0.006	0.2	59	1	0.2
			68.00	69.00	1.00	411426	0.018	0.3	95	3	0.64
			69.00	70.00	1.00	411427	0.015	0.4	85	10	0.61
			70.00	71.00	1.00	411428	0.133	0.5	99	2	0.82
			71.00	72.00	1.00	411429	0.046	0.4	114	8	0.8
			72.00	73.00	1.00	411431	0.088	0.6	84	3	0.75
			73.00	74.00	1.00	411432	0.32	1.3	170	17	1.99
			74.00	75.00	1.00	411433	0.422	1.3	107	181	1.14
			75.00	76.00	1.00	411434	0.01	0.6	121	7	0.55
			76.00	77.00	1.00	411435	0.033	1.5	173	5	0.42
			77.00	78.00	1.00	411437	0.022	0.4	69	3	0.11
			78.00	79.00	1.00	411438	0.344	3.9	365	2	0.43
			79.00	80.00	1.00	411439	0.111	0.9	133	1	0.63

Hole: LM21-11

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best gpt	Ag Best ppm	Cu Best ppm	As ICP ppm	S ICP pct
			80.00	81.00	1.00	411441	0.018	0.5	113	2	0.56
			81.00	82.00	1.00	411442	0.015	0.5	84	1	0.38
<b>81.47</b>	<b>90.47</b>	<b>MV Mafic Volcanics</b>	82.00	83.00	1.00	411443	0.032	0.9	100	1	0.84
abundant QZ - CA - CL veining to about 84.08 m then localized spotty CA developed			83.00	84.00	1.00	411444	0.31	0.7	167	1	0.77
			84.00	85.00	1.00	411445	0.055	0.7	195	1	0.85
<b>90.47</b>	<b>93.56</b>	<b>MV Mafic Volcanics</b>	93.00	94.00	1.00	411347	0.014	0.4	48	5	0.14
<b>93.56</b>	<b>105.11</b>	<b>MV Mafic Volcanics</b>	94.00	95.00	1.00	411348	0.056	2.4	60	11	0.78
abundant QZ - CA veining and some QZ flooding			95.00	96.00	1.00	411349	0.034	1.4	110	3	0.81
			96.00	97.00	1.00	411351	0.024	1	114	3	0.73
			97.00	98.00	1.00	411352	0.056	0.6	85	1	0.69
			98.00	99.00	1.00	411353	0.018	0.6	159	3	0.64
			99.00	100.00	1.00	411354	0.059	0.4	89	1	0.22
			100.00	101.00	1.00	411355	0.068	0.6	157	1	0.44
			101.00	102.00	1.00	411357	0.065	0.5	136	1	0.25
			102.00	103.00	1.00	411358	0.044	0.8	161	6	0.85
			103.00	104.00	1.00	411359	0.007	0.1	33	47	0.05
			104.00	105.00	1.00	411361	0.016	0.1	59	70	0.08
			105.00	106.00	1.00	411362	0.112	0.5	32	1	0.08
<b>105.11</b>	<b>107.80</b>	<b>MV Mafic Volcanics</b>	106.00	107.00	1.00	411363	0.644	0.1	9	3	0.08
			107.00	108.00	1.00	411364	0.009	0.1	49	1	0.2
<b>107.80</b>	<b>118.27</b>	<b>MV Mafic Volcanics</b>	108.00	109.00	1.00	411365	0.122	0.6	37	13	0.22
WEST (NORTH) ZONE variable silicification and healed chloritic breccia zones especially between 109 m and 114 m "best" though patchy sulphides occur between 115.80 m and 118.20 m			109.00	110.00	1.00	411366	0.056	1.8	84	9	0.53
			110.00	111.00	1.00	411367	0.209	0.4	97	19	0.29
			111.00	112.00	1.00	411368	0.055	0.3	71	10	0.14



Hole: LM21-11

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best gpt	Ag Best ppm	Cu Best ppm	As ICP ppm	S ICP pct
			112.00	113.00	1.00	411369	0.042	0.3	82	16	0.06
			113.00	114.00	1.00	411371	0.033	0.6	20	29	0.07
			114.00	115.00	1.00	411372	1	2	242	12	2.35
			115.00	116.00	1.00	411373	0.063	0.8	96	27	0.85
			116.00	117.00	1.00	411374	0.152	1.8	324	19	0.5
			117.00	118.00	1.00	411375	0.57	1.4	80	43	3.29
			118.00	119.00	1.00	411377	1	0.8	59	26	1.32
<b>118.27</b>	<b>119.92</b>	<b>MV Mafic Volcanics</b>	119.00	120.00	1.00	411378	0.0025	0.1	18	7	0.11
weak banding											
<b>119.92</b>	<b>120.12</b>	<b>MYL Mylonite - intensively sheared rock</b>	120.00	121.00	1.00	411379	0.009	0.1	19	6	0.13
altered breccia with gouge											
<b>120.12</b>	<b>121.17</b>	<b>MV Mafic Volcanics</b>	121.00	122.00	1.00	411381	0.062	0.1	78	6	0.15
some QZ - CA veining gouge at lower contact and possibly @ 120.50 m											
<b>121.17</b>	<b>123.66</b>	<b>MV Mafic Volcanics</b>	122.00	123.00	1.00	411382	0.036	0.1	193	5	0.19
possible contact zone to underlying unit											
<b>123.66</b>	<b>131.00</b>	<b>LEP Leopard Rock</b>									
EOH @ 131 m rare porphyroblasts											
<b>End of Hole @ 131</b>											

**Project:** Lingman Lake mine

**Hole:** LM21-15

<b>Target:</b>	WESTZ	<b>Survey Type:</b>	DGPS	<b>Logged By:</b>	J Siriunas	<b>Hole Type:</b>	DD
<b>UTM Grid:</b>	NAD83_Z15	<b>Survey By:</b>	M Cardinal	<b>Date Started:</b>		<b>Hole Diameter:</b>	7.57
<b>UTM East:</b>	506844.125	<b>Azimuth:</b>	0.4	<b>Date Completed:</b>		<b>Core Size:</b>	NQ
<b>UTM North:</b>	5968829.064	<b>Dip:</b>	-51.3	<b>Drill Company:</b>	Mike	<b>Casing Pulled?:</b>	<input type="checkbox"/>
<b>UTM Elevation (m):</b>	272.12	<b>Length (m):</b>	104	<b>Drill Rig:</b>	Rig1	<b>Casing Depth (m):</b>	3
<b>Local Grid:</b>		<b>NTS:</b>	53F15	<b>Drill Started:</b>	2021-05-23	<b>Reduced (m):</b>	
<b>Local East:</b>		<b>Township:</b>	Lingman Lake Area	<b>Drill Completed:</b>	2021-05-25	<b>Reduced Size:</b>	
<b>Local North:</b>		<b>Claim No.:</b>	PAT-40608			<b>Oriented?:</b>	<input checked="" type="checkbox"/>
<b>Local Elevation (m):</b>		<b>Comments:</b>					
<b>Hole Status:</b>	Completed						
<b>Hole Purpose:</b>	EXPL						

Depth (m)	Survey Method	Survey By	Date Surveyed	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Mag. Field	Accept Values?	Comments
0	ReflexEZG	J Siriunas	2021-05-25	-51.3	0.4	0	0.4		<input checked="" type="checkbox"/>	
5	ReflexEZG	J Siriunas	2021-05-25	-51.3	0.3	0	0.3		<input checked="" type="checkbox"/>	
10	ReflexEZG	J Siriunas	2021-05-25	-51.2	0.5	0	0.5		<input checked="" type="checkbox"/>	
15	ReflexEZG	J Siriunas	2021-05-25	-51.2	0.6	0	0.6		<input checked="" type="checkbox"/>	
20	ReflexEZG	J Siriunas	2021-05-25	-51.1	0.7	0	0.7		<input checked="" type="checkbox"/>	
25	ReflexEZG	J Siriunas	2021-05-25	-51.1	0.8	0	0.8		<input checked="" type="checkbox"/>	
30	ReflexEZG	J Siriunas	2021-05-25	-51.1	0.9	0	0.9		<input checked="" type="checkbox"/>	
35	ReflexEZG	J Siriunas	2021-05-25	-51.1	0.9	0	0.9		<input checked="" type="checkbox"/>	
40	ReflexEZG	J Siriunas	2021-05-25	-51	1	0	1		<input checked="" type="checkbox"/>	
45	ReflexEZG	J Siriunas	2021-05-25	-51	1.1	0	1.1		<input checked="" type="checkbox"/>	

Hole: LM21-15

Depth (m)	Survey Method	Survey By	Date Surveyed	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Mag. Field	Accept Values?	Comments
50	ReflexEZG	J Siriunas	2021-05-25	-50.9	1.1	0	1.1		<input checked="" type="checkbox"/>	
55	ReflexEZG	J Siriunas	2021-05-25	-50.8	1.1	0	1.1		<input checked="" type="checkbox"/>	
60	ReflexEZG	J Siriunas	2021-05-25	-50.7	1.1	0	1.1		<input checked="" type="checkbox"/>	
65	ReflexEZG	J Siriunas	2021-05-25	-50.6	1.1	0	1.1		<input checked="" type="checkbox"/>	
70	ReflexEZG	J Siriunas	2021-05-25	-50.4	1	0	1		<input checked="" type="checkbox"/>	
75	ReflexEZG	J Siriunas	2021-05-25	-50.2	1	0	1		<input checked="" type="checkbox"/>	
80	ReflexEZG	J Siriunas	2021-05-25	-50	1	0	1		<input checked="" type="checkbox"/>	
85	ReflexEZG	J Siriunas	2021-05-25	-49.9	1.1	0	1.1		<input checked="" type="checkbox"/>	
90	ReflexEZG	J Siriunas	2021-05-25	-49.7	1.1	0	1.1		<input checked="" type="checkbox"/>	
95	ReflexEZG	J Siriunas	2021-05-25	-49.6	1.2	0	1.2		<input checked="" type="checkbox"/>	
97	ReflexEZG	J Siriunas	2021-05-25	-49.6	1.2	0	1.2		<input checked="" type="checkbox"/>	

Hole: LM21-15

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best gpt	Ag Best ppm	Cu Best ppm	As ICP ppm	S ICP pct
<b>0.00</b>	<b>3.00</b>	<b>CAS Casing</b>									
<b>3.00</b>	<b>48.17</b>	<b>MV Mafic Volcanics</b>									
starts banded until around 11 m weak tectonic fabric few pinkish QFP veinlets from about 26 m to 36.5 m											
<b>48.17</b>	<b>52.89</b>	<b>MV Mafic Volcanics</b>									
chloritic and broken core in the central part of the intersection											
<b>52.89</b>	<b>72.26</b>	<b>MV Mafic Volcanics</b>									
patchy silicification with minor sulphides at 56.12 m to 57.15 m, 58.20 m to 58.66 m, 59.80 m to 60.20 m, 61.17 m to 61.50 m, 64.20 m to 64.50 m, 66.75 m to 67.30 m and 71.00 m to 71.82 m											
			55.00	56.00	1.00	411229	0.022	0.3	47	7	0.06
			56.00	57.00	1.00	411231	2.75	1.9	176	38	2.2
			57.00	58.00	1.00	411232	0.012	0.1	34	3	0.08
			58.00	59.00	1.00	411233	0.058	1	293	1	1.06
			59.00	60.00	1.00	411234	0.061	0.8	237	7	1.26
			60.00	61.00	1.00	411235	0.023	0.3	87	3	0.42
			61.00	62.00	1.00	411237	0.014	0.3	79	1	0.27
			62.00	63.00	1.00	411238	0.0025	0.6	152	3	0.52
			63.00	64.00	1.00	411239	0.026	0.8	177	2	0.18
			64.00	65.00	1.00	411241	0.02	0.8	167	2	0.36
			65.00	66.00	1.00	411242	0.033	0.9	157	1	0.3
			66.00	67.00	1.00	411243	1.16	0.5	81	4	0.33
			67.00	68.00	1.00	411244	0.04	0.5	106	8	0.56
			68.00	69.00	1.00	411245	0.88	0.4	70	5	0.29
			69.00	70.00	1.00	411246	0.199	1.5	132	7	0.34
			70.00	71.00	1.00	411247	0.008	0.1	59	5	0.12
			71.00	72.00	1.00	411248	0.117	1.1	181	3	0.51
			72.00	73.00	1.00	411249	0.007	0.3	37	2	0.1
<b>72.26</b>	<b>78.48</b>	<b>MV Mafic Volcanics</b>									
chloritic and brecciated contacts: 0.70 m above upper contact and 0.44 m below lower contact											

Hole: **LM21-15**

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best gpt	Ag Best ppm	Cu Best ppm	As ICP ppm	S ICP pct
<b>78.48</b>	<b>81.16</b>	<b>MV Mafic Volcanics</b>	79.00	80.00	1.00	411251	0.013	0.7	62	9	0.22
QZ - CA silicified zone between 79.60 m and 79.84 m			80.00	81.00	1.00	411252	0.015	0.4	82	4	0.22
			81.00	82.00	1.00	411254	0.063	0.8	172	3	0.42
<b>81.16</b>	<b>90.27</b>	<b>MV Mafic Volcanics</b>	82.00	82.50	0.50	411255	0.01	0.8	249	1	0.72
brown alteration and brecciated appearance with abundant PO +/- PY between 82.53 m and 83.42 m mainly QZ from 82.41 m to 82.53 m weak brown alteration from 81.16 m to 81.81 m contorted QZ - CA breccia between 88.00 m and 89.75 m			82.50	83.00	0.50	411256	0.276	13.8	1950	8	3.03
			83.00	83.50	0.50	411258	0.186	2.5	566	25	1.57
			83.50	84.00	0.50	411260	0.025	0.9	111	2	0.1
			84.00	85.00	1.00	411261	0.147	1.7	259	13	0.38
			85.00	86.00	1.00	411262	0.13	0.4	65	28	0.13
			86.00	87.00	1.00	411265	0.743	0.1	8	17	0.03
			87.00	88.00	1.00	411266	0.037	0.3	13	12	0.05
			88.00	89.00	1.00	411267	0.027	1.3	84	1	0.27
			89.00	90.00	1.00	411268	0.119	1.9	62	22	0.15
			90.00	91.00	1.00	411269	0.234	0.9	101	11	0.38
<b>90.27</b>	<b>94.54</b>	<b>MV Mafic Volcanics</b>	91.00	92.00	1.00	411270	0.085	0.7	146	8	0.2
massive with minor QZ - CA zone between 92.00 m and 92.10 m			92.00	93.00	1.00	411271	0.089	0.7	130	6	0.18
			93.00	94.00	1.00	411272	0.069	0.6	108	4	0.11
			94.00	95.00	1.00	411273	2.96	6.5	174	17	2.08
<b>94.54</b>	<b>96.88</b>	<b>MV Mafic Volcanics</b>	95.00	96.00	1.00	411274	1.93	3.2	138	406	1.62
WEST (NORTH) ZONE variable intensity of silicification and distribution of sulphides vuggy PY @ 96.33 m			96.00	97.00	1.00	411275	3.78	14.5	134	2560	2.56

Hole: LM21-15

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best gpt	Ag Best ppm	Cu Best ppm	As ICP ppm	S ICP pct
96.88	99.30	<b>MYL Mylonite - intensively sheared rock</b>	97.00	98.00	1.00	411277	5.39	7	106	2360	2.64
WEST (NORTH) ZONE fault zone with gouge @ 97.00 m and 99.10 m			98.00	99.00	1.00	411278	12.2	20.7	120	2790	1.52
			99.00	100.00	1.00	411279	8.67	3.1	93	97	1.09
99.30	104.00	<b>LEP Leopard Rock</b>	100.00	101.00	1.00	411281	0.028	0.2	73	1	0.09
EOH @ 104 m porphyroblasts up to 2 cm x 4 cm			101.00	102.00	1.00	411282	0.035	0.1	90	4	0.07

End of Hole @ 104

**Project:** Lingman Lake mine

**Hole:** LM21-16

<b>Target:</b>	WESTZ	<b>Survey Type:</b>	DGPS	<b>Logged By:</b>	J Siriunas	<b>Hole Type:</b>	DD
<b>UTM Grid:</b>	NAD83_Z15	<b>Survey By:</b>	M Cardinal	<b>Date Started:</b>		<b>Hole Diameter:</b>	7.57
<b>UTM East:</b>	506845.437	<b>Azimuth:</b>	353.1	<b>Date Completed:</b>		<b>Core Size:</b>	NQ
<b>UTM North:</b>	5968792.839	<b>Dip:</b>	-51.7	<b>Drill Company:</b>	Mike	<b>Casing Pulled?:</b>	<input type="checkbox"/>
<b>UTM Elevation (m):</b>	273.479	<b>Length (m):</b>	149	<b>Drill Rig:</b>	Rig1	<b>Casing Depth (m):</b>	3
<b>Local Grid:</b>		<b>NTS:</b>	53F15	<b>Drill Started:</b>	2021-05-25	<b>Reduced (m):</b>	
<b>Local East:</b>		<b>Township:</b>	Lingman Lake Area	<b>Drill Completed:</b>	2021-05-27	<b>Reduced Size:</b>	
<b>Local North:</b>		<b>Claim No.:</b>	PAT-40608			<b>Oriented?:</b>	<input checked="" type="checkbox"/>
<b>Local Elevation (m):</b>		<b>Comments:</b>					
<b>Hole Status:</b>	Completed						
<b>Hole Purpose:</b>	EXPL						

Depth (m)	Survey Method	Survey By	Date Surveyed	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Mag. Field	Accept Values?	Comments
0	ReflexEZG	J Siriunas	2021-05-27	-51.7	353.1	0	353.1		<input checked="" type="checkbox"/>	
5	ReflexEZG	J Siriunas	2021-05-27	-51.7	353.3	0	353.3		<input checked="" type="checkbox"/>	
10	ReflexEZG	J Siriunas	2021-05-27	-51.5	353.4	0	353.4		<input checked="" type="checkbox"/>	
15	ReflexEZG	J Siriunas	2021-05-27	-51.4	353.6	0	353.6		<input checked="" type="checkbox"/>	
20	ReflexEZG	J Siriunas	2021-05-27	-51.2	353.6	0	353.6		<input checked="" type="checkbox"/>	
25	ReflexEZG	J Siriunas	2021-05-27	-51.1	353.7	0	353.7		<input checked="" type="checkbox"/>	
30	ReflexEZG	J Siriunas	2021-05-27	-50.9	353.9	0	353.9		<input checked="" type="checkbox"/>	
35	ReflexEZG	J Siriunas	2021-05-27	-50.8	354.1	0	354.1		<input checked="" type="checkbox"/>	
40	ReflexEZG	J Siriunas	2021-05-27	-50.7	354.2	0	354.2		<input checked="" type="checkbox"/>	
45	ReflexEZG	J Siriunas	2021-05-27	-50.6	354.4	0	354.4		<input checked="" type="checkbox"/>	

Hole: **LM21-16**

Depth (m)	Survey Method	Survey By	Date Surveyed	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Mag. Field	Accept Values?	Comments
50	ReflexEZG	J Siriunas	2021-05-27	-50.5	354.7	0	354.7		<input checked="" type="checkbox"/>	
55	ReflexEZG	J Siriunas	2021-05-27	-50.4	354.6	0	354.6		<input checked="" type="checkbox"/>	
60	ReflexEZG	J Siriunas	2021-05-27	-50.2	354.7	0	354.7		<input checked="" type="checkbox"/>	
65	ReflexEZG	J Siriunas	2021-05-27	-50.1	354.8	0	354.8		<input checked="" type="checkbox"/>	
70	ReflexEZG	J Siriunas	2021-05-27	-49.9	354.8	0	354.8		<input checked="" type="checkbox"/>	
75	ReflexEZG	J Siriunas	2021-05-27	-49.6	355	0	355		<input checked="" type="checkbox"/>	
80	ReflexEZG	J Siriunas	2021-05-27	-49.5	355.3	0	355.3		<input checked="" type="checkbox"/>	
85	ReflexEZG	J Siriunas	2021-05-27	-49.3	355.3	0	355.3		<input checked="" type="checkbox"/>	
90	ReflexEZG	J Siriunas	2021-05-27	-49	355.5	0	355.5		<input checked="" type="checkbox"/>	
95	ReflexEZG	J Siriunas	2021-05-27	-48.8	355.7	0	355.7		<input checked="" type="checkbox"/>	
100	ReflexEZG	J Siriunas	2021-05-27	-48.7	355.8	0	355.8		<input checked="" type="checkbox"/>	
105	ReflexEZG	J Siriunas	2021-05-27	-48.4	355.8	0	355.8		<input checked="" type="checkbox"/>	
110	ReflexEZG	J Siriunas	2021-05-27	-47.9	356.2	0	356.2		<input checked="" type="checkbox"/>	
115	ReflexEZG	J Siriunas	2021-05-27	-47.4	356.6	0	356.6		<input checked="" type="checkbox"/>	
120	ReflexEZG	J Siriunas	2021-05-27	-47.2	356.7	0	356.7		<input checked="" type="checkbox"/>	
125	ReflexEZG	J Siriunas	2021-05-27	-46.7	356.8	0	356.8		<input checked="" type="checkbox"/>	
130	ReflexEZG	J Siriunas	2021-05-27	-46.2	357.3	0	357.3		<input checked="" type="checkbox"/>	
135	ReflexEZG	J Siriunas	2021-05-27	-45.7	357.8	0	357.8		<input checked="" type="checkbox"/>	
140	ReflexEZG	J Siriunas	2021-05-27	-45	358.4	0	358.4		<input checked="" type="checkbox"/>	
143	ReflexEZG	J Siriunas	2021-05-27	-44.7	358.8	0	358.8		<input checked="" type="checkbox"/>	



Hole: LM21-16

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best gpt	Ag Best ppm	Cu Best ppm	As ICP ppm	S ICP pct
0.00	2.00	CAS Casing									
2.00	4.13	MV Mafic Volcanics									
4.13	14.16	MV Mafic Volcanics	14.00	15.00	1.00	411283	0.005	0.1	20	15	0.03
massive with weak fabric some sheared QZ - CA zones between 7.80 m and 8.60 m and between 11.00 m and 11.35 m											
14.16	22.80	MV Mafic Volcanics	15.00	16.00	1.00	411284	0.045	1.4	365	15	1.14
local sulphides											
			16.00	17.00	1.00	411285	0.02	1.1	228	1	0.21
			17.00	18.00	1.00	411286	0.021	0.5	217	1	0.37
			18.00	19.00	1.00	411287	0.015	0.4	140	2	0.12
			19.00	20.00	1.00	411288	0.056	6	3490	71	1.79
			20.00	21.00	1.00	411289	0.0025	0.5	214	332	0.9
			21.00	22.00	1.00	411291	0.013	1.2	280	11	0.98
22.80	24.82	MV Mafic Volcanics									
massive with weak fabric											
24.82	35.00	MV Mafic Volcanics									
some contorted sections											
35.00	45.30	MV Mafic Volcanics	40.00	41.00	1.00	411292	0.014	0.4	130	10	0.43
			41.00	42.00	1.00	411293	0.007	0.2	55	14	0.13
			42.00	43.00	1.00	411294	0.053	0.3	76	12	0.23
			43.00	44.00	1.00	411295	0.074	0.7	249	3	1.31
			44.00	45.00	1.00	411297	0.178	0.4	72	3	0.41
			45.00	46.00	1.00	411298	0.038	0.3	63	8	0.28
			46.00	47.00	1.00	411299	0.0025	0.1	25	8	0.02
45.30	62.20	MV Mafic Volcanics									
disseminated and foliation parallel sulphides around 47 m to 49 m chloritic contorted section between 50.70 m and 51.60 m											
			47.00	48.00	1.00	411301	0.013	0.1	275	20	1.23
			48.00	49.00	1.00	411302	0.0025	0.1	20	8	0.08
			49.00	50.00	1.00	411303	0.017	0.7	138	3	0.76

Hole: LM21-16

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best gpt	Ag Best ppm	Cu Best ppm	As ICP ppm	S ICP pct
			50.00	51.00	1.00	411304	0.005	0.1	14	8	0.18
			51.00	52.00	1.00	411305	0.007	0.3	114	7	0.4
			52.00	53.00	1.00	411306	0.005	0.2	33	7	0.06
			53.00	54.00	1.00	411307	0.008	0.2	38	1	0.14
			54.00	55.00	1.00	411308	0.022	0.3	109	3	0.36
			55.00	56.00	1.00	411309	0.014	0.7	176	57	0.42
			56.00	57.00	1.00	411311	0.013	0.7	169	71	0.77
			57.00	58.00	1.00	411312	0.013	0.6	165	58	0.9
			58.00	59.00	1.00	411313	0.005	0.3	42	44	0.24
<b>62.20</b>	<b>119.04</b>	<b>MV Mafic Volcanics</b>	118.00	119.00	1.00	411314	0.033	0.1	38	68	0.04
soft, altered sections between 98.50 m and 98.60 m and @ 90.40 m and 92.35 m QZ - CL veining or brecciation between 108.68 m and 109.14 m											
			119.00	120.00	1.00	411315	0.024	1.1	86	11	0.16
<b>119.04</b>	<b>124.84</b>	<b>MV Mafic Volcanics</b>	120.00	121.00	1.00	411317	0.102	3.1	383	3	0.39
			121.00	122.00	1.00	411318	0.024	0.9	77	7	0.14
			122.00	123.00	1.00	411319	0.021	0.5	64	30	0.19
			123.00	124.00	1.00	411321	0.031	0.9	112	9	0.4
			124.00	125.00	1.00	411322	0.014	0.5	86	23	0.22
<b>124.84</b>	<b>127.16</b>	<b>MV Mafic Volcanics</b>	125.00	126.00	1.00	411323	0.027	0.3	41	5	0.12
			126.00	127.00	1.00	411324	0.019	0.1	18	3	0.1
			127.00	128.00	1.00	411325	0.03	0.9	126	3	0.32
<b>127.16</b>	<b>136.90</b>	<b>MV Mafic Volcanics</b>	128.00	129.00	1.00	411326	0.022	0.6	73	1	0.62
some brecciation											
			129.00	130.00	1.00	411327	0.013	1	77	3	0.45
			130.00	131.00	1.00	411328	0.031	0.8	58	4	0.24
			131.00	132.00	1.00	411329	0.015	1	93	3	0.7
			132.00	133.00	1.00	411331	0.007	0.2	39	6	0.12
			133.00	134.00	1.00	411332	0.071	0.3	46	11	0.12
			134.00	135.00	1.00	411333	0.008	0.2	36	3	0.06

Hole: LM21-16

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best gpt	Ag Best ppm	Cu Best ppm	As ICP ppm	S ICP pct
			135.00	136.00	1.00	411334	0.006	0.5	28	1	0.005
			136.00	137.00	1.00	411335	0.011	0.7	19	1	0.02
<b>136.90</b>	<b>144.22</b>	<b>MV Mafic Volcanics</b>	137.00	138.00	1.00	411337	1.08	1.4	57	5	1.06
WEST (NORTH) ZONE abundant sulphides between 137.85 m and 138.20 m "hard" silicification between 141.28 m and 142.28 m gouge @ 136.90 m and 140.92 m											
			138.00	139.00	1.00	411338	0.282	7.6	215	10	2.38
			139.00	140.00	1.00	411339	0.194	0.7	113	9	0.37
			140.00	141.00	1.00	411341	0.048	0.5	102	231	0.22
			141.00	142.00	1.00	411342	3.48	5.1	92	894	3.09
			142.00	143.00	1.00	411344	1.75	4.7	184	1870	2.92
			143.00	144.00	1.00	411345	1.36	2.8	84	1750	2.57
			144.00	145.00	1.00	411346	0.986	1.2	46	42	1.36
<b>144.22</b>	<b>144.94</b>	<b>MV Mafic Volcanics</b>									
some disseminated PY possible contact zone to underlying unit between 144.62 m and 144.94 m											
<b>144.94</b>	<b>149.00</b>	<b>LEP Leopard Rock</b>									
EOH @ 149 m typical large porphyroblasts											
<b>End of Hole @ 149</b>											

**Project:** Lingman Lake mine

**Hole:** LM21-17

<b>Target:</b>	WESTZ	<b>Survey Type:</b>	DGPS	<b>Logged By:</b>	J Siriunas	<b>Hole Type:</b>	DD
<b>UTM Grid:</b>	NAD83_Z15	<b>Survey By:</b>	M Cardinal	<b>Date Started:</b>		<b>Hole Diameter:</b>	7.57
<b>UTM East:</b>	506750.537	<b>Azimuth:</b>	357.1	<b>Date Completed:</b>		<b>Core Size:</b>	NQ
<b>UTM North:</b>	5968797.876	<b>Dip:</b>	-56.5	<b>Drill Company:</b>	Mike	<b>Casing Pulled?:</b>	<input type="checkbox"/>
<b>UTM Elevation (m):</b>	268.558	<b>Length (m):</b>	188	<b>Drill Rig:</b>	Rig1	<b>Casing Depth (m):</b>	5
<b>Local Grid:</b>		<b>NTS:</b>	53F15	<b>Drill Started:</b>	2021-05-31	<b>Reduced (m):</b>	
<b>Local East:</b>		<b>Township:</b>	Lingman Lake Area	<b>Drill Completed:</b>	2021-06-02	<b>Reduced Size:</b>	
<b>Local North:</b>		<b>Claim No.:</b>	PAT-40608			<b>Oriented?:</b>	<input checked="" type="checkbox"/>
<b>Local Elevation (m):</b>		<b>Comments:</b>					
<b>Hole Status:</b>	Completed						
<b>Hole Purpose:</b>	EXPL						

Depth (m)	Survey Method	Survey By	Date Surveyed	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Mag. Field	Accept Values?	Comments
0	ReflexEZG	J Siriunas	2021-06-02	-56.5	357.1	0	357.1		<input checked="" type="checkbox"/>	
5	ReflexEZG	J Siriunas	2021-06-02	-56.4	357.2	0	357.2		<input checked="" type="checkbox"/>	
10	ReflexEZG	J Siriunas	2021-06-02	-56	357.4	0	357.4		<input checked="" type="checkbox"/>	
15	ReflexEZG	J Siriunas	2021-06-02	-55.9	357.4	0	357.4		<input checked="" type="checkbox"/>	
20	ReflexEZG	J Siriunas	2021-06-02	-55.7	357.5	0	357.5		<input checked="" type="checkbox"/>	
25	ReflexEZG	J Siriunas	2021-06-02	-55.3	358.1	0	358.1		<input checked="" type="checkbox"/>	
30	ReflexEZG	J Siriunas	2021-06-02	-54.6	358.7	0	358.7		<input checked="" type="checkbox"/>	
35	ReflexEZG	J Siriunas	2021-06-02	-53.8	359.2	0	359.2		<input checked="" type="checkbox"/>	
40	ReflexEZG	J Siriunas	2021-06-02	-53.3	0.1	0	0.1		<input checked="" type="checkbox"/>	
45	ReflexEZG	J Siriunas	2021-06-02	-53.1	0.4	0	0.4		<input checked="" type="checkbox"/>	

Hole: LM21-17

Depth (m)	Survey Method	Survey By	Date Surveyed	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Mag. Field	Accept Values?	Comments
50	ReflexEZG	J Siriunas	2021-06-02	-52.7	0.6	0	0.6		<input checked="" type="checkbox"/>	
55	ReflexEZG	J Siriunas	2021-06-02	-52.4	0.9	0	0.9		<input checked="" type="checkbox"/>	
60	ReflexEZG	J Siriunas	2021-06-02	-51.9	1.3	0	1.3		<input checked="" type="checkbox"/>	
65	ReflexEZG	J Siriunas	2021-06-02	-51.6	1.4	0	1.4		<input checked="" type="checkbox"/>	
70	ReflexEZG	J Siriunas	2021-06-02	-51.3	1.4	0	1.4		<input checked="" type="checkbox"/>	
75	ReflexEZG	J Siriunas	2021-06-02	-50.7	1.3	0	1.3		<input checked="" type="checkbox"/>	
80	ReflexEZG	J Siriunas	2021-06-02	-50.4	1.2	0	1.2		<input checked="" type="checkbox"/>	
85	ReflexEZG	J Siriunas	2021-06-02	-50.2	1.4	0	1.4		<input checked="" type="checkbox"/>	
90	ReflexEZG	J Siriunas	2021-06-02	-50	1.4	0	1.4		<input checked="" type="checkbox"/>	
95	ReflexEZG	J Siriunas	2021-06-02	-49.7	1.5	0	1.5		<input checked="" type="checkbox"/>	
100	ReflexEZG	J Siriunas	2021-06-02	-49.5	1.7	0	1.7		<input checked="" type="checkbox"/>	
105	ReflexEZG	J Siriunas	2021-06-02	-49.3	1.7	0	1.7		<input checked="" type="checkbox"/>	
110	ReflexEZG	J Siriunas	2021-06-02	-49.1	1.8	0	1.8		<input checked="" type="checkbox"/>	
115	ReflexEZG	J Siriunas	2021-06-02	-48.9	1.9	0	1.9		<input checked="" type="checkbox"/>	
120	ReflexEZG	J Siriunas	2021-06-02	-48.7	1.9	0	1.9		<input checked="" type="checkbox"/>	
125	ReflexEZG	J Siriunas	2021-06-02	-48.3	1.9	0	1.9		<input checked="" type="checkbox"/>	
130	ReflexEZG	J Siriunas	2021-06-02	-48	2	0	2		<input checked="" type="checkbox"/>	
135	ReflexEZG	J Siriunas	2021-06-02	-47.5	2.1	0	2.1		<input checked="" type="checkbox"/>	
140	ReflexEZG	J Siriunas	2021-06-02	-47	2.1	0	2.1		<input checked="" type="checkbox"/>	
145	ReflexEZG	J Siriunas	2021-06-02	-46.5	2.1	0	2.1		<input checked="" type="checkbox"/>	
150	ReflexEZG	J Siriunas	2021-06-02	-46.3	2.2	0	2.2		<input checked="" type="checkbox"/>	
155	ReflexEZG	J Siriunas	2021-06-02	-46	2.2	0	2.2		<input checked="" type="checkbox"/>	
160	ReflexEZG	J Siriunas	2021-06-02	-45.8	2.4	0	2.4		<input checked="" type="checkbox"/>	

Hole: LM21-17

Depth (m)	Survey Method	Survey By	Date Surveyed	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Mag. Field	Accept Values?	Comments
165	ReflexEZG	J Siriunas	2021-06-02	-45.5	2.4	0	2.4		<input checked="" type="checkbox"/>	
170	ReflexEZG	J Siriunas	2021-06-02	-45.3	2.5	0	2.5		<input checked="" type="checkbox"/>	
175	ReflexEZG	J Siriunas	2021-06-02	-45.1	2.5	0	2.5		<input checked="" type="checkbox"/>	
180	ReflexEZG	J Siriunas	2021-06-02	-44.8	2.7	0	2.7		<input checked="" type="checkbox"/>	
182	ReflexEZG	J Siriunas	2021-06-02	-44.7	2.7	0	2.7		<input checked="" type="checkbox"/>	

Hole: **LM21-17**

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best gpt	Ag Best ppm	Cu Best ppm	As ICP ppm	S ICP pct
<b>0.00</b>	<b>5.00</b>	<b>CAS Casing</b>									
<b>5.00</b>	<b>24.24</b>	<b>MV Mafic Volcanics</b>									
QZ - CA -CL vein between 18.46 m and 19.16 m											
<b>24.24</b>	<b>32.29</b>	<b>DIAB Diabase</b>									
QZ - CA veining at contacts											
<b>32.29</b>	<b>47.20</b>	<b>MV Mafic Volcanics</b>	44.00	45.00	1.00	411446	0.013	0.3	208	3	0.19
banded with QZ - CA veinlets											
QZ - CA +/- CL brecciated and contorted shear zone between 39.50 m and 42.00 m											
QZ - CA -CL veining between 46.11 m and 47.20 m											
<b>47.20</b>	<b>78.00</b>	<b>MV Mafic Volcanics</b>									
QVs with sulphides @ 57.60 m and 90.00 m											
			71.00	72.00	1.00	411451	0.02	0.5	208	43	0.24
			72.00	73.00	1.00	411452	0.145	0.5	163	734	0.23
			73.00	74.00	1.00	411453	0.049	0.4	136	26	0.32
			74.00	75.00	1.00	411454	0.107	0.3	103	10	0.86
			75.00	76.00	1.00	411455	0.37	0.3	68	3	0.77
			76.00	77.00	1.00	411457	0.0025	0.3	136	1	1.06
			88.00	89.00	1.00	411458	0.031	0.6	176	8	0.12
<b>78.00</b>	<b>132.10</b>	<b>MV Mafic Volcanics</b>									
generally massive but some sections with tectonic fabric											
ground core around 113 m											
			89.00	90.00	1.00	411459	0.024	0.8	149	5	2.2
			90.00	91.00	1.00	411461	0.014	0.3	187	11	0.59
			91.00	92.00	1.00	411462	0.033	0.1	12	3	0.03
			92.00	93.00	1.00	411463	0.017	0.1	0.5	7	0.005
			93.00	94.00	1.00	411464	0.033	0.4	268	3	0.5
			94.00	95.00	1.00	411465	0.024	0.5	293	5	0.68
			95.00	96.00	1.00	411466	0.078	1.3	374	3	0.23

Hole: LM21-17

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best gpt	Ag Best ppm	Cu Best ppm	As ICP ppm	S ICP pct
<b>132.10</b>	<b>137.77</b>	<b>MV Mafic Volcanics</b> very soft, like soapstone lower contact faulted and sheared									
<b>137.77</b>	<b>150.44</b>	<b>MV Mafic Volcanics</b> weak banding contorted and brecciated QZ - CA - CL sections between 145.00 m and 145.50 m and between 147.38 m and 147.70 m	144.00	145.00	1.00	411468	0.04	0.1	37	4	0.12
			145.00	146.00	1.00	411469	0.125	0.9	101	1	1.24
			146.00	147.00	1.00	411471	0.034	1	221	66	0.86
			147.00	148.00	1.00	411472	0.019	0.8	161	68	0.66
			148.00	149.00	1.00	411473	0.029	1.2	322	16	1.12
			149.00	150.00	1.00	411474	0.059	1.3	418	209	1.08
			150.00	151.00	1.00	411475	0.011	0.5	138	52	0.39
<b>150.44</b>	<b>155.06</b>	<b>MV Mafic Volcanics</b>	151.00	152.00	1.00	411477	0.0025	0.1	23	15	0.03
			152.00	153.00	1.00	411478	0.0025	0.1	30	22	0.07
			153.00	154.00	1.00	411479	0.12	3.6	972	880	0.5
			154.00	155.00	1.00	411481	0.174	2.7	788	302	0.95
			155.00	156.00	1.00	411482	0.011	1.4	447	4	0.61
<b>155.06</b>	<b>174.30</b>	<b>MV Mafic Volcanics</b> local silicification and sulphides minor contorted breccias between 157.40 m and 157.80 m and between 163.44 m and 163.80 m	156.00	157.00	1.00	411483	0.527	2.3	449	3	0.46
			157.00	158.00	1.00	411484	0.075	1.7	198	40	0.86
			158.00	159.00	1.00	411485	0.018	1.1	137	70	1.15
			159.00	160.00	1.00	411486	0.014	0.6	128	7	0.19
			160.00	161.00	1.00	411487	0.392	1	248	8	0.65
			161.00	162.00	1.00	411488	0.009	0.5	141	2	0.3
			162.00	163.00	1.00	411489	0.055	0.2	42	7	0.16
			163.00	164.00	1.00	411491	0.128	0.9	132	6	0.61
			164.00	165.00	1.00	411492	0.328	0.6	100	7	0.69
			165.00	166.00	1.00	411493	0.037	0.2	151	5	0.36
			166.00	167.00	1.00	411494	0.012	0.2	166	6	0.2



Hole: LM21-17

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best gpt	Ag Best ppm	Cu Best ppm	As ICP ppm	S ICP pct
			167.00	168.00	1.00	411495	0.009	0.2	164	7	0.2
			168.00	169.00	1.00	411497	0.016	0.1	82	3	0.17
			169.00	170.00	1.00	411498	0.014	0.2	73	14	0.71
			170.00	171.00	1.00	411499	0.013	0.1	95	3	0.12
			171.00	172.00	1.00	411501	0.039	0.1	230	5	0.24
			172.00	173.00	1.00	411502	0.019	0.1	143	9	0.2
			173.00	174.00	1.00	411503	0.033	0.1	101	9	0.15
			174.00	175.00	1.00	411504	0.044	1.3	199	11	0.74
			175.00	176.00	1.00	411505	0.26	1.1	222	298	2.31
<b>174.30</b>	<b>180.88</b>	<b>MV Mafic Volcanics</b>									
WEST (NORTH) ZONE disseminated, blebby and foliation parallel sulphides throughout intersection											
			176.00	177.00	1.00	411506	0.172	0.4	48	226	1.22
			177.00	178.00	1.00	411507	0.018	0.1	13	32	0.2
			178.00	179.00	1.00	411508	0.111	0.7	103	22	1.24
			179.00	180.00	1.00	411509	0.053	0.5	49	25	1.87
			180.00	181.00	1.00	411511	0.629	0.9	65	10	1.07
			181.00	182.00	1.00	411512	0.032	0.3	103	3	0.13
<b>180.88</b>	<b>188.00</b>	<b>LEP Leopard Rock</b>									
EOH @ 188 m foliated upper contact for 1 m some silicification											
			182.00	183.00	1.00	411513	0.028	0.1	111	5	0.13
			183.00	184.00	1.00	411514	0.053	0.7	67	3	0.17

End of Hole @ 188

**Project:** Lingman Lake mine

**Hole:** LM21-18

<b>Target:</b>	WESTZ	<b>Survey Type:</b>	DGPS	<b>Logged By:</b>	J Siriunas	<b>Hole Type:</b>	DD
<b>UTM Grid:</b>	NAD83_Z15	<b>Survey By:</b>	M Cardinal	<b>Date Started:</b>		<b>Hole Diameter:</b>	7.57
<b>UTM East:</b>	506754.397	<b>Azimuth:</b>	1.7	<b>Date Completed:</b>		<b>Core Size:</b>	NQ
<b>UTM North:</b>	5968617.776	<b>Dip:</b>	-50.7	<b>Drill Company:</b>	Mike	<b>Casing Pulled?:</b>	<input type="checkbox"/>
<b>UTM Elevation (m):</b>	269.712	<b>Length (m):</b>	422	<b>Drill Rig:</b>	Rig1	<b>Casing Depth (m):</b>	5
<b>Local Grid:</b>		<b>NTS:</b>	53F15	<b>Drill Started:</b>	2021-05-17	<b>Reduced (m):</b>	
<b>Local East:</b>		<b>Township:</b>	Lingman Lake Area	<b>Drill Completed:</b>	2021-05-22	<b>Reduced Size:</b>	
<b>Local North:</b>		<b>Claim No.:</b>	PAT-40608			<b>Oriented?:</b>	<input checked="" type="checkbox"/>
<b>Local Elevation (m):</b>		<b>Comments:</b>					
<b>Hole Status:</b>	Completed						
<b>Hole Purpose:</b>	EXPL						

Depth (m)	Survey Method	Survey By	Date Surveyed	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Mag. Field	Accept Values?	Comments
0	ReflexEZG	J Siriunas	2021-05-22	-50.7	1.7	0	1.7		<input checked="" type="checkbox"/>	
5	ReflexEZG	J Siriunas	2021-05-22	-50.9	1.3	0	1.3		<input checked="" type="checkbox"/>	
10	ReflexEZG	J Siriunas	2021-05-22	-50.9	1.3	0	1.3		<input checked="" type="checkbox"/>	
15	ReflexEZG	J Siriunas	2021-05-22	-51	1.3	0	1.3		<input checked="" type="checkbox"/>	
20	ReflexEZG	J Siriunas	2021-05-22	-51.1	1.5	0	1.5		<input checked="" type="checkbox"/>	
25	ReflexEZG	J Siriunas	2021-05-22	-51.1	1.6	0	1.6		<input checked="" type="checkbox"/>	
30	ReflexEZG	J Siriunas	2021-05-22	-51.1	1.7	0	1.7		<input checked="" type="checkbox"/>	
35	ReflexEZG	J Siriunas	2021-05-22	-51.2	1.7	0	1.7		<input checked="" type="checkbox"/>	
40	ReflexEZG	J Siriunas	2021-05-22	-51.2	1.7	0	1.7		<input checked="" type="checkbox"/>	
45	ReflexEZG	J Siriunas	2021-05-22	-51.3	1.8	0	1.8		<input checked="" type="checkbox"/>	

Hole: **LM21-18**

Depth (m)	Survey Method	Survey By	Date Surveyed	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Mag. Field	Accept Values?	Comments
50	ReflexEZG	J Siriunas	2021-05-22	-51.2	1.7	0	1.7		<input checked="" type="checkbox"/>	
55	ReflexEZG	J Siriunas	2021-05-22	-51.2	1.9	0	1.9		<input checked="" type="checkbox"/>	
60	ReflexEZG	J Siriunas	2021-05-22	-51.1	1.9	0	1.9		<input checked="" type="checkbox"/>	
65	ReflexEZG	J Siriunas	2021-05-22	-51	2.2	0	2.2		<input checked="" type="checkbox"/>	
70	ReflexEZG	J Siriunas	2021-05-22	-51	2.2	0	2.2		<input checked="" type="checkbox"/>	
75	ReflexEZG	J Siriunas	2021-05-22	-50.9	2.3	0	2.3		<input checked="" type="checkbox"/>	
80	ReflexEZG	J Siriunas	2021-05-22	-50.8	2.4	0	2.4		<input checked="" type="checkbox"/>	
85	ReflexEZG	J Siriunas	2021-05-22	-50.6	2.5	0	2.5		<input checked="" type="checkbox"/>	
90	ReflexEZG	J Siriunas	2021-05-22	-50.6	2.7	0	2.7		<input checked="" type="checkbox"/>	
95	ReflexEZG	J Siriunas	2021-05-22	-50.5	2.7	0	2.7		<input checked="" type="checkbox"/>	
100	ReflexEZG	J Siriunas	2021-05-22	-50.5	2.8	0	2.8		<input checked="" type="checkbox"/>	
105	ReflexEZG	J Siriunas	2021-05-22	-50.4	2.7	0	2.7		<input checked="" type="checkbox"/>	
110	ReflexEZG	J Siriunas	2021-05-22	-50.3	2.9	0	2.9		<input checked="" type="checkbox"/>	
115	ReflexEZG	J Siriunas	2021-05-22	-50.2	2.9	0	2.9		<input checked="" type="checkbox"/>	
120	ReflexEZG	J Siriunas	2021-05-22	-50.2	3.1	0	3.1		<input checked="" type="checkbox"/>	
125	ReflexEZG	J Siriunas	2021-05-22	-50	3.2	0	3.2		<input checked="" type="checkbox"/>	
130	ReflexEZG	J Siriunas	2021-05-22	-49.9	3.3	0	3.3		<input checked="" type="checkbox"/>	
135	ReflexEZG	J Siriunas	2021-05-22	-49.7	3.4	0	3.4		<input checked="" type="checkbox"/>	
140	ReflexEZG	J Siriunas	2021-05-22	-49.5	3.6	0	3.6		<input checked="" type="checkbox"/>	
145	ReflexEZG	J Siriunas	2021-05-22	-49.4	3.7	0	3.7		<input checked="" type="checkbox"/>	
150	ReflexEZG	J Siriunas	2021-05-22	-49.3	3.7	0	3.7		<input checked="" type="checkbox"/>	
155	ReflexEZG	J Siriunas	2021-05-22	-49.2	3.9	0	3.9		<input checked="" type="checkbox"/>	
160	ReflexEZG	J Siriunas	2021-05-22	-49.1	3.9	0	3.9		<input checked="" type="checkbox"/>	

Hole: **LM21-18**

Depth (m)	Survey Method	Survey By	Date Surveyed	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Mag. Field	Accept Values?	Comments
165	ReflexEZG	J Siriunas	2021-05-22	-49	4	0	4		<input checked="" type="checkbox"/>	
170	ReflexEZG	J Siriunas	2021-05-22	-48.9	4.2	0	4.2		<input checked="" type="checkbox"/>	
175	ReflexEZG	J Siriunas	2021-05-22	-48.8	4.2	0	4.2		<input checked="" type="checkbox"/>	
180	ReflexEZG	J Siriunas	2021-05-22	-48.7	4.3	0	4.3		<input checked="" type="checkbox"/>	
185	ReflexEZG	J Siriunas	2021-05-22	-48.6	4.5	0	4.5		<input checked="" type="checkbox"/>	
190	ReflexEZG	J Siriunas	2021-05-22	-48.4	4.7	0	4.7		<input checked="" type="checkbox"/>	
195	ReflexEZG	J Siriunas	2021-05-22	-48.4	4.7	0	4.7		<input checked="" type="checkbox"/>	
200	ReflexEZG	J Siriunas	2021-05-22	-48.2	4.9	0	4.9		<input checked="" type="checkbox"/>	
205	ReflexEZG	J Siriunas	2021-05-22	-48.1	5	0	5		<input checked="" type="checkbox"/>	
210	ReflexEZG	J Siriunas	2021-05-22	-47.9	5.2	0	5.2		<input checked="" type="checkbox"/>	
215	ReflexEZG	J Siriunas	2021-05-22	-47.7	5.2	0	5.2		<input checked="" type="checkbox"/>	
220	ReflexEZG	J Siriunas	2021-05-22	-47.5	5.5	0	5.5		<input checked="" type="checkbox"/>	
225	ReflexEZG	J Siriunas	2021-05-22	-47.3	5.4	0	5.4		<input checked="" type="checkbox"/>	
230	ReflexEZG	J Siriunas	2021-05-22	-47.1	5.6	0	5.6		<input checked="" type="checkbox"/>	
235	ReflexEZG	J Siriunas	2021-05-22	-46.8	5.5	0	5.5		<input checked="" type="checkbox"/>	
240	ReflexEZG	J Siriunas	2021-05-22	-46.5	5.5	0	5.5		<input checked="" type="checkbox"/>	
245	ReflexEZG	J Siriunas	2021-05-22	-46.3	5.5	0	5.5		<input checked="" type="checkbox"/>	
250	ReflexEZG	J Siriunas	2021-05-22	-46.1	5.5	0	5.5		<input checked="" type="checkbox"/>	
255	ReflexEZG	J Siriunas	2021-05-22	-45.9	5.5	0	5.5		<input checked="" type="checkbox"/>	
260	ReflexEZG	J Siriunas	2021-05-22	-45.6	5.6	0	5.6		<input checked="" type="checkbox"/>	
265	ReflexEZG	J Siriunas	2021-05-22	-45.4	5.7	0	5.7		<input checked="" type="checkbox"/>	
270	ReflexEZG	J Siriunas	2021-05-22	-45.2	5.8	0	5.8		<input checked="" type="checkbox"/>	
275	ReflexEZG	J Siriunas	2021-05-22	-44.9	6	0	6		<input checked="" type="checkbox"/>	

Hole: **LM21-18**

Depth (m)	Survey Method	Survey By	Date Surveyed	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Mag. Field	Accept Values?	Comments
280	ReflexEZG	J Siriunas	2021-05-22	-44.7	6	0	6		<input checked="" type="checkbox"/>	
285	ReflexEZG	J Siriunas	2021-05-22	-44.4	6.1	0	6.1		<input checked="" type="checkbox"/>	
290	ReflexEZG	J Siriunas	2021-05-22	-44.2	6.2	0	6.2		<input checked="" type="checkbox"/>	
295	ReflexEZG	J Siriunas	2021-05-22	-44.1	6.4	0	6.4		<input checked="" type="checkbox"/>	
300	ReflexEZG	J Siriunas	2021-05-22	-43.6	6.4	0	6.4		<input checked="" type="checkbox"/>	
305	ReflexEZG	J Siriunas	2021-05-22	-43.3	6.5	0	6.5		<input checked="" type="checkbox"/>	
310	ReflexEZG	J Siriunas	2021-05-22	-43.2	6.6	0	6.6		<input checked="" type="checkbox"/>	
315	ReflexEZG	J Siriunas	2021-05-22	-43.1	6.6	0	6.6		<input checked="" type="checkbox"/>	
320	ReflexEZG	J Siriunas	2021-05-22	-43	6.7	0	6.7		<input checked="" type="checkbox"/>	
325	ReflexEZG	J Siriunas	2021-05-22	-42.9	6.8	0	6.8		<input checked="" type="checkbox"/>	
330	ReflexEZG	J Siriunas	2021-05-22	-42.8	6.9	0	6.9		<input checked="" type="checkbox"/>	
335	ReflexEZG	J Siriunas	2021-05-22	-42.7	7	0	7		<input checked="" type="checkbox"/>	
340	ReflexEZG	J Siriunas	2021-05-22	-42.6	7.2	0	7.2		<input checked="" type="checkbox"/>	
345	ReflexEZG	J Siriunas	2021-05-22	-42.5	7.1	0	7.1		<input checked="" type="checkbox"/>	
350	ReflexEZG	J Siriunas	2021-05-22	-42.3	7.2	0	7.2		<input checked="" type="checkbox"/>	
355	ReflexEZG	J Siriunas	2021-05-22	-42.1	7.5	0	7.5		<input checked="" type="checkbox"/>	
360	ReflexEZG	J Siriunas	2021-05-22	-41.9	7.5	0	7.5		<input checked="" type="checkbox"/>	
365	ReflexEZG	J Siriunas	2021-05-22	-41.8	7.5	0	7.5		<input checked="" type="checkbox"/>	
370	ReflexEZG	J Siriunas	2021-05-22	-41.6	7.5	0	7.5		<input checked="" type="checkbox"/>	
375	ReflexEZG	J Siriunas	2021-05-22	-41.5	7.7	0	7.7		<input checked="" type="checkbox"/>	
380	ReflexEZG	J Siriunas	2021-05-22	-41.2	7.7	0	7.7		<input checked="" type="checkbox"/>	
385	ReflexEZG	J Siriunas	2021-05-22	-41.1	7.7	0	7.7		<input checked="" type="checkbox"/>	
390	ReflexEZG	J Siriunas	2021-05-22	-40.9	7.8	0	7.8		<input checked="" type="checkbox"/>	

Hole: LM21-18

Depth (m)	Survey Method	Survey By	Date Surveyed	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Mag. Field	Accept Values?	Comments
395	ReflexEZG	J Siriunas	2021-05-22	-40.7	7.9	0	7.9		<input checked="" type="checkbox"/>	
400	ReflexEZG	J Siriunas	2021-05-22	-40.6	7.9	0	7.9		<input checked="" type="checkbox"/>	
405	ReflexEZG	J Siriunas	2021-05-22	-40.4	8	0	8		<input checked="" type="checkbox"/>	
410	ReflexEZG	J Siriunas	2021-05-22	-40.2	8	0	8		<input checked="" type="checkbox"/>	

Hole: LM21-18

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best gpt	Ag Best ppm	Cu Best ppm	As ICP ppm	S ICP pct
0.00	5.00	CAS Casing									
5.00	17.59	MV Mafic Volcanics	9.00	10.00	1.00	411515	0.01	0.1	150	11	0.24
broken core up to 8 m down the hole some banding some sulphides in bands @ 9.45 m											
17.59	23.83	DIAB Diabase									
QZ - CL along contacts											
23.83	37.18	MV Mafic Volcanics									
becoming light grey and talcose near lower contact											
37.18	52.72	FLT Fault(ed)									
WINTER ROAD FAULT ZONE											
talcose, some broken core with possible gouge											
downhole altered contact between 48.32 m and 52.72 m											
52.72	78.88	MV Mafic Volcanics	62.00	63.00	1.00	411517	0.025	0.4	203	476	0.27
waxy, silicified appearance											
local QZ - CA veinlets, some vuggy											
			63.00	64.00	1.00	411518	0.05	0.2	127	1520	0.39
			64.00	65.00	1.00	411519	0.014	0.2	167	184	0.24
			65.00	66.00	1.00	411521	0.008	0.3	168	40	0.26
			66.00	67.00	1.00	411522	0.018	0.2	193	850	0.3
			67.00	68.00	1.00	411523	0.018	0.4	324	44	0.22
78.88	81.30	MV Mafic Volcanics									
"porphyritic" CA laths											
81.30	100.17	MV Mafic Volcanics	83.00	84.00	1.00	411524	0.008	0.1	84	36	0.36
typical QZ - CA veinlets with trace PY +/- PO											
local brecciation											
brownish colour from start of intersection to about 84 m											
fault gouge @ 97.80 m											
			84.00	85.00	1.00	411525	0.022	0.4	207	74	0.4
			85.00	86.00	1.00	411526	0.011	0.3	208	40	0.15
			86.00	87.00	1.00	411527	0.015	0.4	239	38	0.22
			87.00	88.00	1.00	411528	0.015	0.3	253	42	0.24

Hole: LM21-18

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best gpt	Ag Best ppm	Cu Best ppm	As ICP ppm	S ICP pct
			88.00	89.00	1.00	411529	0.018	0.7	538	38	0.27
			89.00	90.00	1.00	411531	0.007	0.3	250	37	0.13
			90.00	91.00	1.00	411532	0.007	0.3	215	25	0.36
			91.00	92.00	1.00	411533	0.009	0.2	207	43	0.15
			92.00	93.00	1.00	411534	0.009	0.3	193	41	0.14
			93.00	94.00	1.00	411535	0.009	0.3	163	40	0.17
			94.00	95.00	1.00	411537	0.014	0.1	174	115	0.33
			95.00	96.00	1.00	411538	0.017	0.2	424	76	0.6
			96.00	97.00	1.00	411539	0.0025	0.1	21	129	0.03
			97.00	98.00	1.00	411541	0.016	0.1	82	105	0.07
			98.00	99.00	1.00	411542	0.014	0.1	181	147	0.2
			99.00	100.00	1.00	411543	0.009	0.1	191	51	0.13
			100.00	101.00	1.00	411544	0.008	0.1	151	43	0.18
			101.00	102.00	1.00	411545	0.008	0.1	235	48	0.11
<b>100.17</b>	<b>137.52</b>	<b>MV</b>									
		<b>Mafic Volcanics</b>									
		<b>dark grey</b>									
		waxy, grey to black colour									
		silicified sections from 108.50 m to 109.60 m and 125.66 m to 125.98 m									
		QZ - CL +/- CA contorted zone from 126.95 m to 127.80 m									
		QV with CA patches, 8 cm wide, @ 129.14 m									
			102.00	103.00	1.00	411546	0.008	0.1	198	52	0.22
			103.00	104.00	1.00	411547	0.01	0.3	173	48	0.14
			104.00	105.00	1.00	411548	0.014	0.5	469	47	0.45
			105.00	106.00	1.00	411549	0.018	0.5	212	56	0.43
			106.00	107.00	1.00	411551	0.016	0.3	204	42	0.15
			107.00	108.00	1.00	411552	0.014	0.4	207	42	0.18
			108.00	109.00	1.00	411553	0.171	0.5	213	136	1.45
			109.00	110.00	1.00	411554	0.226	1.5	915	2050	1.91
			110.00	111.00	1.00	411555	0.013	0.3	132	55	0.14
			111.00	112.00	1.00	411557	0.01	0.5	192	516	0.45
			112.00	113.00	1.00	411558	0.011	0.3	166	32	0.33
			113.00	114.00	1.00	411559	0.017	0.5	324	150	0.72



Hole: LM21-18

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best gpt	Ag Best ppm	Cu Best ppm	As ICP ppm	S ICP pct
			114.00	115.00	1.00	411561	0.024	0.4	255	212	1.45
			115.00	116.00	1.00	411562	0.012	0.3	162	36	0.28
			116.00	117.00	1.00	411563	0.017	0.3	185	44	0.15
			117.00	118.00	1.00	411564	0.01	0.3	193	42	0.35
			118.00	119.00	1.00	411565	0.02	0.5	263	40	0.4
			119.00	120.00	1.00	411566	0.028	0.7	485	39	0.41
			120.00	121.00	1.00	411567	0.009	0.2	97	38	0.1
			121.00	122.00	1.00	411568	0.008	0.3	153	39	0.25
			122.00	123.00	1.00	411569	0.07	0.4	178	1230	0.92
			123.00	124.00	1.00	411571	0.016	0.3	162	35	0.32
			124.00	125.00	1.00	411572	0.009	0.3	160	28	0.5
			125.00	126.00	1.00	411573	0.023	0.4	264	32	1.57
			126.00	127.00	1.00	411574	0.017	0.3	192	39	0.2
			127.00	128.00	1.00	411575	0.015	0.3	172	193	0.64
			128.00	129.00	1.00	411577	0.027	0.3	159	41	0.25
			129.00	130.00	1.00	411578	0.008	0.3	179	34	0.37
			130.00	131.00	1.00	411579	0.01	0.3	178	34	0.38
			131.00	132.00	1.00	411581	0.012	0.2	149	95	0.36
			132.00	133.00	1.00	411582	0.006	0.2	197	41	0.14
			133.00	134.00	1.00	411583	0.006	0.3	215	40	0.32
			134.00	135.00	1.00	411584	0.0025	0.3	206	36	0.2
			135.00	136.00	1.00	411585	0.005	0.2	184	33	0.19
			136.00	137.00	1.00	411586	0.012	0.3	193	37	0.19
			137.00	138.00	1.00	411587	0.039	0.3	194	224	0.53
			138.00	139.00	1.00	411588	0.826	1.3	1060	2590	3.03
			139.00	140.00	1.00	411589	0.288	1.3	768	2670	3.35
			140.00	141.00	1.00	411591	0.06	1.6	874	14	1.33
<b>137.52</b>	<b>140.40</b>	<b>MV</b>									
		<b>Mafic Volcanics</b>									
		banded, altered and contorted									
		abundant PY - PO									

Hole: LM21-18

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best gpt	Ag Best ppm	Cu Best ppm	As ICP ppm	S ICP pct
<b>140.40</b>	<b>151.80</b>	<b>MV Mafic Volcanics</b>	141.00	142.00	1.00	411592	0.015	0.6	340	28	0.68
per 100.17 m to 137.52 m			142.00	143.00	1.00	411593	0.013	0.4	272	33	0.97
			143.00	144.00	1.00	411594	0.01	0.4	381	6	1.27
			144.00	145.00	1.00	411595	0.021	0.3	205	395	0.57
			145.00	146.00	1.00	411597	0.034	0.6	398	68	0.19
			146.00	147.00	1.00	411598	0.01	0.3	217	68	0.15
			147.00	148.00	1.00	411599	0.006	0.1	132	63	0.08
			148.00	149.00	1.00	411601	0.012	0.1	189	40	0.21
			158.00	159.00	1.00	411602	0.018	0.3	267	28	0.2
<b>151.80</b>	<b>316.19</b>	<b>MV Mafic Volcanics</b>									
scattered QZ - CA veinlets possibly amphibolitic in the upper section moderate foliation or banding zones of weak silicification with minor PY +/- PO from 158.80 m to 160.34 m, 165.53 m to 166.58 m, 167.70 m to 168.20 m, 185.70 m to 188.50 m and 293.80 m to 294.20 m minor silicification @ 266.46 m, 265.20 m, 268.04 m, 273.44 m, 280.43 m, 280.63 m, 287.77 m and 295.70 m QZ - CA +/- EP veins and breccia between 219.77 m and 221.60 m, between 229.90 m and 230.77 m and between 249.53 m and 249.95 m fine-grained, massive mafic dyke between 238.46 m and 239.28 m with QZ - CA veining at the contacts QV with PO between 300.90 m and 301.54 m											
			159.00	160.00	1.00	411603	0.02	0.1	223	47	0.17
			160.00	161.00	1.00	411604	0.018	0.1	163	45	0.11
			161.00	162.00	1.00	411605	0.009	0.1	170	31	0.41
			162.00	163.00	1.00	411606	0.005	0.1	126	27	0.39
			163.00	164.00	1.00	411607	0.013	0.1	174	33	0.26
			164.00	165.00	1.00	411608	0.024	0.1	189	31	0.16
			165.00	166.00	1.00	411609	0.0025	0.1	164	10	0.84
			166.00	167.00	1.00	411611	0.016	0.2	233	24	1.32
			167.00	168.00	1.00	411612	0.0025	0.1	169	10	0.61
			168.00	169.00	1.00	411613	0.013	0.1	228	27	0.29
			169.00	170.00	1.00	411614	0.029	0.2	204	42	0.14
			170.00	171.00	1.00	411615	0.019	0.1	210	50	0.09

Hole: LM21-18

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best gpt	Ag Best ppm	Cu Best ppm	As ICP ppm	S ICP pct
			171.00	172.00	1.00	411617	0.021	0.3	261	48	0.14
			172.00	173.00	1.00	411618	0.02	0.1	164	33	0.11
			185.00	186.00	1.00	411619	0.04	0.6	498	33	0.24
			186.00	187.00	1.00	411621	0.02	0.3	252	31	0.16
			187.00	188.00	1.00	411622	0.055	0.3	263	38	0.8
			188.00	189.00	1.00	411623	0.006	0.3	374	11	0.48
			189.00	190.00	1.00	411624	0.009	0.3	196	25	0.22
			250.00	251.00	1.00	411625	0.011	0.5	498	304	0.65
			251.00	252.00	1.00	411626	0.0025	0.4	260	119	0.92
			252.00	253.00	1.00	411627	0.006	0.5	293	37	1.21
			253.00	254.00	1.00	411628	0.024	0.5	220	12	0.18
			254.00	255.00	1.00	411629	0.028	0.4	234	2	0.19
			255.00	256.00	1.00	411631	0.024	0.3	256	6	0.14
			256.00	257.00	1.00	411632	0.013	0.3	261	8	0.12
			257.00	258.00	1.00	411633	0.006	0.3	319	7	0.12
			258.00	259.00	1.00	411634	0.009	0.1	110	8	0.06
			259.00	260.00	1.00	411635	0.026	0.4	363	14	0.1
			292.00	293.00	1.00	411637	0.031	0.7	490	16	0.15
			293.00	294.00	1.00	411638	0.034	0.7	244	15	0.59
			294.00	295.00	1.00	411639	0.031	0.3	176	3	0.43
			295.00	296.00	1.00	411641	0.03	0.3	202	1	0.25
			296.00	297.00	1.00	411642	0.032	0.5	272	3	0.22
			300.00	301.00	1.00	411643	0.015	0.2	109	1	0.53
			301.00	302.00	1.00	411644	0.008	0.1	38	3	0.24
<b>316.19</b>	<b>328.91</b>	<b>MV Mafic Volcanics</b>	328.00	329.00	1.00	411645	0.007	0.1	73	1	0.02
minor sections with QFP some CL											
<b>328.91</b>	<b>338.95</b>	<b>MV Mafic Volcanics</b>	329.00	330.00	1.00	411646	0.015	0.3	81	2	0.06

QZ - CL +/- QFP zones with trace sulphides  
some brecciation with orientation at low angle TCA

Hole: LM21-18

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best gpt	Ag Best ppm	Cu Best ppm	As ICP ppm	S ICP pct
			330.00	331.00	1.00	411647	0.376	2.9	311	6	0.32
			331.00	332.00	1.00	411648	0.062	1	290	9	0.24
			332.00	333.00	1.00	411649	0.0025	0.1	4	4	0.005
			333.00	334.00	1.00	411651	0.061	0.1	27	13	0.02
			334.00	335.00	1.00	411652	0.114	0.1	62	28	0.05
			335.00	336.00	1.00	411653	0.124	0.1	24	16	0.03
			336.00	337.00	1.00	411654	0.146	0.2	61	21	0.05
			337.00	338.00	1.00	411655	0.053	0.1	29	12	0.05
			338.00	339.00	1.00	411657	0.019	0.4	78	6	0.18
			339.00	340.00	1.00	411658	0.0025	0.1	6	1	0.005
<b>338.95</b>	<b>343.25</b>	<b>MV Mafic Volcanics</b> fairly massive, almost dyke-like appearance									
<b>343.25</b>	<b>359.03</b>	<b>MV Mafic Volcanics</b> soft, talcose banded some contorted sections between 350.00 m and 352.13 m									
<b>359.03</b>	<b>361.19</b>	<b>MV Mafic Volcanics</b> silicification and shearing at lower contact									
<b>361.19</b>	<b>370.54</b>	<b>MV Mafic Volcanics</b> similar to 343.25 m to 359.03 m									
<b>370.54</b>	<b>384.90</b>	<b>MV Mafic Volcanics</b> massive grey QZ and digested wallrock between 381.90 m and 382.22 m									
			381.00	382.00	1.00	411659	0.041	1.8	131	1	0.17
			382.00	383.00	1.00	411661	0.732	0.7	146	1	0.24
			383.00	384.00	1.00	411662	0.031	0.9	317	1	0.3
			384.00	385.00	1.00	411663	0.047	0.3	105	22	0.29
			385.00	386.00	1.00	411664	0.097	2.7	203	119	0.24
			386.00	387.00	1.00	411665	1.05	1.6	221	22	0.83
			387.00	388.00	1.00	411666	0.04	1.1	199	10	0.45
			388.00	389.00	1.00	411667	0.067	1.1	215	4	0.67
			389.00	390.00	1.00	411668	0.209	1.1	164	8	0.61
<b>384.90</b>	<b>394.90</b>	<b>MV Mafic Volcanics</b> similar to 343.25 m to 359.03 m									

Hole: LM21-18

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best gpt	Ag Best ppm	Cu Best ppm	As ICP ppm	S ICP pct
			390.00	391.00	1.00	411669	0.034	0.4	78	5	0.21
			391.00	392.00	1.00	411671	0.0025	0.1	41	1	0.06
			392.00	393.00	1.00	411672	0.013	0.4	81	3	0.28
<b>394.90</b>	<b>399.05 MV</b>	<b>Mafic Volcanics</b>									
<b>399.05</b>	<b>417.76 MV</b>	<b>Mafic Volcanics</b>									
WEST (NORTH) ZONE many cataclastite sections with contorted QZ - CL +/- CA (+/- PY +/- PO) gouge plus minor silicification @ 408.45 m, 414.74 m, 415.44 m, 415.66 m and 415.79 m vuggy CA @ 412.88 m overall good tectonic development but with low concomitant silicification and sulphides			400.00	401.00	1.00	411673	0.0025	0.1	9	2	0.02
			401.00	402.00	1.00	411674	0.152	0.9	32	8	0.18
			402.00	403.00	1.00	411675	0.203	1.2	146	6	0.65
			403.00	404.00	1.00	411677	1.16	1.3	124	16	0.8
			404.00	405.00	1.00	411678	0.09	0.6	119	3	0.22
			405.00	406.00	1.00	411679	0.144	0.7	124	5	0.45
			406.00	407.00	1.00	411681	0.074	1.1	129	10	0.83
			407.00	408.00	1.00	411682	0.261	0.5	74	31	0.36
			408.00	409.00	1.00	411683	1.77	1.8	191	20	2.48
			409.00	410.00	1.00	411684	2.19	31.8	138	18	1.25
			410.00	411.00	1.00	411685	0.093	0.4	60	7	0.21
			411.00	412.00	1.00	411686	0.025	0.1	82	4	0.14
			412.00	413.00	1.00	411687	0.006	0.1	35	15	0.17
			413.00	414.00	1.00	411688	0.385	1.3	115	17	0.33
			414.00	415.00	1.00	411689	4.9	2.3	258	10	0.94
			415.00	416.00	1.00	411691	0.009	0.1	5	16	0.21
			416.00	417.00	1.00	411692	0.092	0.1	30	18	0.11
			417.00	418.00	1.00	411693	0.102	0.6	121	8	0.26
<b>417.78</b>	<b>422.00 LEP</b>	<b>Leopard Rock</b>	418.00	419.00	1.00	411694	0.391	1	197	2	0.51
EOH @ 422 m gradational upper contact			419.00	420.00	1.00	411695	0.102	0.8	168	1	0.47

Hole: LM21-18

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best gpt	Ag Best ppm	Cu Best ppm	As ICP ppm	S ICP pct
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End of Hole @ 422

**Project:** Lingman Lake mine

**Hole:** LM21-19

<b>Target:</b>	North Zone	<b>Survey Type:</b>	DGPS	<b>Logged By:</b>		<b>Hole Type:</b>	DD
<b>UTM Grid:</b>	NAD83_Z15	<b>Survey By:</b>	M Cardinal	<b>Date Started:</b>		<b>Hole Diameter:</b>	7.57
<b>UTM East:</b>	507333.643	<b>Azimuth:</b>	354	<b>Date Completed:</b>		<b>Core Size:</b>	NQ
<b>UTM North:</b>	5968780.046	<b>Dip:</b>	-54.2	<b>Drill Company:</b>	Mike	<b>Casing Pulled?:</b>	<input type="checkbox"/>
<b>UTM Elevation (m):</b>	280.198	<b>Length (m):</b>	128	<b>Drill Rig:</b>	Rig1	<b>Casing Depth (m):</b>	0
<b>Local Grid:</b>		<b>NTS:</b>	53F15	<b>Drill Started:</b>	2021-09-20	<b>Reduced (m):</b>	
<b>Local East:</b>		<b>Township:</b>	Lingman Lake Area	<b>Drill Completed:</b>	2021-09-21	<b>Reduced Size:</b>	
<b>Local North:</b>		<b>Claim No.:</b>	PAT-40606			<b>Oriented?:</b>	<input type="checkbox"/>
<b>Local Elevation (m):</b>		<b>Comments:</b>					
<b>Hole Status:</b>	Completed						
<b>Hole Purpose:</b>	EXPL						





Hole: LM21-19

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best gpt	Ag Best ppm	Cu Best ppm	As ICP ppm	S ICP pct
22.65	41.20	MV Mafic Volcanics green FMG	31.50	32.50	1.00	412473	0.01	0.7	30	7	0.15

MV - QFP WITH WHITE AND PINK FELDSPAR. Local concentrations of Py-Po in the altered volcanic.

Lower Contact at 50°.

White QFP are: 24.82 - 25.44 m; 28.30 - 28.60 m.

Pink QFP are: 29.85 - 31.25 m; 34.00 - 35.25 m.

<<Min: 32.5 - 33: 3% pyrrhotite / 2% pyrite>>

<<Min: 33 - 33.56: 2% pyrrhotite>> Po II to SZ 2%  
Py II to SZ and bx fill 1%

<<Min: 36.35 - 37.1: 5% pyrrhotite / 3% pyrite>>

<<Min: 40.55 - 41.56: 3% pyrrhotite / 1% pyrite>>

<<Alt: 22.65 - 41.2: weak to moderate Biotite / weak to moderate Calcite / weak to moderate Chlorite >>

<<Vein: 22.65 - 41.2: 10% Quartz-Carbonate / 5% Quartz>>

<<Struc: 32.5 - 33: intense Intercalated/Interbedded/Interlayered/Interfoliated 35 deg. / moderate Sheared 50 deg. >>  
Fined grained Chlorite, Biotite bands and stringers (soft) and medium grained quartz-carbonate bands and stringers throughout. Strongly altered and banded with fine to coarse grained Po-Py (3%-2%).

**41.20 57.80 QFPO Quartz Feldspar Porphyry light grey FCG**

QFPO (QUARTZ FELSPARPORPHYRY) - MV (MAFICVOLCANIC) mixed unit. Chlorite stringers through the unit as fracture filling with the look of the Blue Cheese pattern.

55.6 -56.0 m = Disking Pink QFF. Slickensides with Chlorite as Slickensides.

Lower contact at 40°.

<<Alt: 41.2 - 57.8: moderate to strong Chlorite / weak Calcite / weak Biotite>>

<<Struc: 46.95 - 52.3: weak Sheared 40 deg. / weak Sheared 30 deg. >>

<<Struc: 52.3 - 52.38: strong Chloritized 30 deg. / moderate Sheared 25 deg. >> Upper contact at 30° and lower contact at 25° and they are both slickensided.

<<Struc: 55.6 - 56: weak to moderate Sheared 85 deg. / moderate to strong Slickens 85 deg. >> Disking Pink QFF. Slickensides with Chlorite as Slickensides.

32.50	33.00	0.50	411704	14.1	2.4	70	1	0.68
33.00	33.56	0.56	412474	0.008	0.3	31	3	0.36
33.56	34.26	0.70	412475	0.013	0.6	72	3	0.09
36.35	37.10	0.75	411705	0.254	0.9	118	49	2.56
40.38	41.00	0.62	412477	0.0025	0.1	12	1	0.04
41.00	41.56	0.56	412478	0.082	0.9	55	5	0.31

Hole: LM21-19

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best gpt	Ag Best ppm	Cu Best ppm	As ICP ppm	S ICP pct
57.80	58.40	<b>MYL Mylonite - intensively sheared light brown rock</b> <b>CG</b>	57.80	58.40	0.60	411706	0.028	0.6	32	1	0.17
<p>MYLONITE (CAT) - QZ-CA veining; chloritic; contorted; brecciated appearance; strong foliation; fault gouge at 57.90 - 58.00 and 58.33 -58.40.</p> <p>Lower contact at 35°.</p> <p>&lt;&lt;Alt: 57.8 - 58.4: moderate to strong Chlorite / moderate to strong Biotite / moderate Quartz-Carbonate&gt;&gt;</p> <p>&lt;&lt;Vein: 57.8 - 58.4: 15% Quartz-Carbonate / 15% Quartz&gt;&gt;</p> <p>&lt;&lt;Struc: 57.8 - 58.4: intense Sheared 35 deg. &gt;&gt;</p>											
58.40	59.50	<b>QFPO Quartz Feldspar Porphyry white</b> <b>FCG</b>	58.40	59.50	1.10	411707	0.351	0.3	10	15	0.52
<p>QFP with local Bio or Chlorite filled shearing and brecciated cones.</p> <p>58.86 - 58.93 = 1 - 10 mm bands of Bio + FCG Po-Py.</p> <p>59.10 - 59.16 = Chlorite band with FCG Po-Py.</p> <p>&lt;&lt;Min: 58.86 - 58.93: 3% pyrite / 3% pyrrhotite&gt;&gt;</p> <p>&lt;&lt;Min: 59.1 - 59.16: 5% pyrite / 5% pyrrhotite&gt;&gt;</p> <p>&lt;&lt;Alt: 58.4 - 59.5: weak Chlorite / trace Biotite / trace Quartz-Carbonate&gt;&gt;</p> <p>&lt;&lt;Vein: 58.4 - 59.5: 85% Quartz&gt;&gt;</p> <p>&lt;&lt;Struc: 58.4 - 59.5: weak to moderate Sheared 45 deg. &gt;&gt;</p>											
59.50	81.60	<b>MV Mafic Volcanics green</b> <b>FG</b>	59.50	60.50	1.00	411708	0.316	1	104	34	0.56
<p>ALTERED MAFIC VOLCANIC (MVz) - Light Grey Green and Magnitized. Highly chloritized; silicified; moderately foliated; PY ± PO locally up to 15%. Foliation parallel Shear break throughout the unit; local small shear zones (10 to 30 cm width) and broken core sections.</p> <p>&lt;&lt;Min: 59.5 - 81.6: 5% pyrite / 2% pyrrhotite / 0.01% chalcopyrite&gt;&gt;</p> <p>&lt;&lt;Alt: 59.5 - 81.6: moderate to strong Chlorite / moderate to strong Quartz&gt;&gt;</p> <p>&lt;&lt;Vein: 59.5 - 81.6: 15% Quartz / 5% Quartz / 3% Quartz-Carbonate / 1% Calcite / 1% Chlorite&gt;&gt;</p> <p>&lt;&lt;Struc: 60.5 - 60.53: moderate Veining - fracture fill 55 deg. &gt;&gt;</p> <p>&lt;&lt;Struc: 60.9 - 60.95: moderate Fault gouge 50 deg. &gt;&gt;</p> <p>&lt;&lt;Struc: 60.95 - 81.6: moderate Sheared 45 deg. / moderate Sheared 55 deg. &gt;&gt;</p>											
			60.50	61.50	1.00	411709	0.083	1.8	107	7	1.23
			61.50	62.50	1.00	411711	0.118	4	385	34	1.56
			62.50	63.50	1.00	411712	0.011	1.1	136	19	0.36
			63.50	64.50	1.00	411713	0.0025	0.3	99	14	0.06
			64.50	65.50	1.00	411714	0.0025	0.4	61	10	0.05
			65.50	66.50	1.00	411715	0.0025	0.3	134	15	0.06
			66.50	67.50	1.00	411717	0.0025	0.4	64	15	0.04
			67.50	68.50	1.00	411718	0.009	0.6	301	24	0.09
			68.50	69.50	1.00	411719	0.064	2.9	548	92	0.16

Hole: LM21-19

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best gpt	Ag Best ppm	Cu Best ppm	As ICP ppm	S ICP pct
			69.50	70.50	1.00	411721	0.025	0.6	70	20	0.18
			70.50	71.50	1.00	411722	0.325	1.9	65	32	0.25
			71.50	72.50	1.00	411723	0.741	2.3	175	65	0.25
			72.50	73.50	1.00	411724	13.8	17.7	309	80	1.3
			73.50	74.50	1.00	411725	3.82	10.3	314	208	3.1
			74.50	75.50	1.00	411726	1.79	5.5	113	156	1.23
			75.50	76.50	1.00	411727	0.692	3.4	130	74	1.15
			76.50	77.50	1.00	411728	1.01	6.1	207	118	2.67
			77.50	78.50	1.00	411729	1.38	7.7	265	48	1.65
			78.50	79.50	1.00	411731	0.351	2.2	91	30	0.82
			79.50	80.50	1.00	411732	0.01	0.2	27	3	0.07
			80.50	81.50	1.00	411733	0.081	1.1	228	1	0.38
			81.50	82.50	1.00	411734	0.01	0.5	222	1	0.15
			82.50	83.50	1.00	411735	0.023	0.3	125	1	0.09

**81.60 110.00 MV Mafic Volcanics green FCG**

Mafic Volcanic - Massive but weakly to strongly foliated and seliceous. Fine to coarse grained amphyboles throughout along/inside the foliation and the grain size increases down the hole and becoming very prominent starting around 93.00 m mark. Stronger Chlorite alteration locally.

81.6 - 88.30 m = Strongly foliated with stretched-flatten saugege shaped altered feldspar inside the foliations.

88.30 - 110 m = weak to moderate foliations with abunden medium to coarse grained amphibole crystals.

<<Min: 81.6 - 110: 1% pyrite>>

<<Alt: 81.6 - 110: weak to moderate Quartz / weak Chlorite / moderate to strong Amphibole>>

<<Vein: 81.6 - 110: 1% Quartz / 1% Quartz>>

<<Struc: 81.6 - 110: weak Sheared 40 deg. / weak to moderate Fractured 30 deg. >>

**110.00 128.00 LEP Leopard Rock green**

EOH @ 128 m

MV - Massive Mafic Volcanic same as 81.6 - 110 m. The only difference is there are off white-colour Glomeroporphyries in this section.

127.05 - 127.40 = Pistachio Green xenolit - altered;baked and silicified Chlorite? Original foliations still visible.

<<Min: 110 - 128: 1% pyrite>>

<<Alt: 110 - 128: weak to moderate Quartz / Quartz / Amphibole>>

Hole: LM21-19

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best gpt	Ag Best ppm	Cu Best ppm	As ICP ppm	S ICP pct
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<<Vein: 110 - 128: 1% Quartz / 1% Quartz>>

<<Struc: 110 - 128: weak to moderate Sheared 45 deg. / weak Fractured 35 deg. >>

**End of Hole @ 128**

**Project:** Lingman Lake mine

**Hole:** LM21-20

<b>Target:</b>	North Zone	<b>Survey Type:</b>	DGPS	<b>Logged By:</b>		<b>Hole Type:</b>	DD
<b>UTM Grid:</b>	NAD83_Z15	<b>Survey By:</b>	M Cardinal	<b>Date Started:</b>		<b>Hole Diameter:</b>	7.57
<b>UTM East:</b>	507312.947	<b>Azimuth:</b>	1.82	<b>Date Completed:</b>		<b>Core Size:</b>	NQ
<b>UTM North:</b>	5968809.567	<b>Dip:</b>	-46	<b>Drill Company:</b>	Mike	<b>Casing Pulled?:</b>	<input type="checkbox"/>
<b>UTM Elevation (m):</b>	278.818	<b>Length (m):</b>	74	<b>Drill Rig:</b>	Rig1	<b>Casing Depth (m):</b>	
<b>Local Grid:</b>		<b>NTS:</b>	53F15	<b>Drill Started:</b>	2021-09-21	<b>Reduced (m):</b>	
<b>Local East:</b>		<b>Township:</b>	Lingman Lake Area	<b>Drill Completed:</b>	2021-09-22	<b>Reduced Size:</b>	
<b>Local North:</b>		<b>Claim No.:</b>				<b>Oriented?:</b>	<input type="checkbox"/>
<b>Local Elevation (m):</b>		<b>Comments:</b>					
<b>Hole Status:</b>	Completed						
<b>Hole Purpose:</b>	EXPL						

Depth (m)	Survey Method	Survey By	Date Surveyed	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Mag. Field	Accept Values?	Comments
0	DeviGyro	JMS	2021-09-30	-46.5012	1.8198	0	1.8198		<input checked="" type="checkbox"/>	
5	DeviGyro	JMS	2021-09-30	-46.6218	2.3683	0	2.3683		<input checked="" type="checkbox"/>	
10	DeviGyro	JMS	2021-09-30	-46.3442	2.2329	0	2.2329		<input checked="" type="checkbox"/>	
15	DeviGyro	JMS	2021-09-30	-46.3038	2.5244	0	2.5244		<input checked="" type="checkbox"/>	
20	DeviGyro	JMS	2021-09-30	-46.1581	2.6407	0	2.6407		<input checked="" type="checkbox"/>	
25	DeviGyro	JMS	2021-09-30	-46.0163	2.7882	0	2.7882		<input checked="" type="checkbox"/>	
30	DeviGyro	JMS	2021-09-30	-45.8569	2.9356	0	2.9356		<input checked="" type="checkbox"/>	
35	DeviGyro	JMS	2021-09-30	-45.8075	2.984	0	2.984		<input checked="" type="checkbox"/>	
40	DeviGyro	JMS	2021-09-30	-45.6608	2.9492	0	2.9492		<input checked="" type="checkbox"/>	
45	DeviGyro	JMS	2021-09-30	-45.5045	3.1509	0	3.1509		<input checked="" type="checkbox"/>	

Hole: LM21-20

Depth (m)	Survey Method	Survey By	Date Surveyed	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Mag. Field	Accept Values?	Comments
50	DeviGyro	JMS	2021-09-30	-45.2823	3.216	0	3.216		<input checked="" type="checkbox"/>	
55	DeviGyro	JMS	2021-09-30	-45.0267	3.2697	0	3.2697		<input checked="" type="checkbox"/>	
60	DeviGyro	JMS	2021-09-30	-44.7232	3.4669	0	3.4669		<input checked="" type="checkbox"/>	
65	DeviGyro	JMS	2021-09-30	-44.5345	3.6187	0	3.6187		<input checked="" type="checkbox"/>	
69.57	DeviGyro	JMS	2021-09-30	-44.2598	3.6099	0	3.6099		<input checked="" type="checkbox"/>	

Hole: **LM21-20**

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best gpt	Ag Best ppm	Cu Best ppm	As ICP ppm	S ICP pct
<b>0.00</b>	<b>12.30</b>	<b>QFPO Quartz Feldspar Porphyry light grey MG</b>	4.35	5.35	1.00	411805	0.038	0.1	1	1	0.15
Mixed of QFP and Altered MV. Po-Py mostly concentrated in the altered QFP-MV foliations in fcg.											
<<Min: 0 - 12.3: 2% pyrrhotite / 1% pyrite>>			5.35	6.50	1.15	411806	0.555	0.1	7	1	0.04
<<Alt: 0 - 12.3: weak to moderate Biotite / weak to moderate Chlorite >>			6.50	7.30	0.80	411807	0.0025	0.1	2	1	0.02
<<Vein: 0 - 12.3: 10% Quartz / 1% Quartz-Carbonate>>			7.30	8.30	1.00	411808	0.148	0.1	4	1	0.29
<<Struc: 0 - 12.3: weak to moderate Fractured 35 deg. / weak to moderate Fractured 50 deg. >>			8.30	9.30	1.00	411809	0.006	0.2	2	1	0.25
			9.30	10.30	1.00	411811	0.0025	0.1	29	3	0.17
			10.30	11.30	1.00	411812	0.323	0.4	15	1	0.08
			11.30	12.30	1.00	411813	0.012	0.1	36	4	0.21
<b>12.30</b>	<b>30.10</b>	<b>MV Mafic Volcanics light grey FG</b>	12.30	13.30	1.00	411814	0.074	1	48	1	0.54
Light Grey Green. Altered MV - altered QFP with area of higher Chlorite or Biotite or QC stringers an bands where most fine to coarse grained Po-Py are concentrated.											
<<Min: 12.3 - 30.1: 2% pyrrhotite / 2% pyrite>>			13.30	14.30	1.00	411815	0.014	0.7	85	1	0.17
<<Alt: 12.3 - 30.1: weak to moderate Chlorite / weak to moderate Biotite>>			14.30	15.30	1.00	411817	0.019	1.1	90	1	0.43
<<Vein: 12.3 - 30.1: 5% Quartz / 1% Quartz-Carbonate>>			15.30	16.30	1.00	411818	0.16	4.8	298	174	0.44
<<Struc: 12.3 - 30.1: moderate to strong Sheared 50 deg. / weak Fractured 40 deg. >>			16.30	17.30	1.00	411819	0.171	19.1	1670	646	0.6
			17.30	18.30	1.00	411821	0.03	12.5	1140	7	1.38
			18.30	19.30	1.00	411822	0.017	4	393	4	0.61
			19.30	20.30	1.00	411823	0.016	0.8	97	14	0.43
			20.30	21.30	1.00	411824	0.022	1.6	141	11	0.24
			21.30	22.30	1.00	411825	0.017	1	108	13	0.18
			22.30	23.30	1.00	411826	0.018	1	83	8	0.35
			23.30	24.30	1.00	411827	0.006	0.5	83	8	0.13
			24.30	25.30	1.00	411828	0.005	0.4	132	12	0.08
			25.30	26.30	1.00	411829	0.01	2.2	140	3	0.08
			26.30	27.30	1.00	411831	0.016	1.2	82	14	0.04
			27.30	28.30	1.00	411832	0.042	4.7	131	11	0.36
			28.30	29.30	1.00	411833	0.042	4.6	179	18	0.29
			29.30	30.10	0.80	411834	0.888	5.7	162	345	0.26

Hole: **LM21-20**

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best gpt	Ag Best ppm	Cu Best ppm	As ICP ppm	S ICP pct
<b>30.10</b>	<b>31.70</b>	<b>QFPO Quartz Feldspar Porphyry</b> white <b>FCG</b> Silicified altered QFP. <<Alt: 30.1 - 31.7: strong Quartz / weak Chlorite >> <<Vein: 30.1 - 31.7: 1% Quartz / 0.5% Quartz-Carbonate>> <<Struc: 30.1 - 30.17: weak to moderate Fractured 35 deg. / weak to moderate Fractured 45 deg. >> <<Struc: 30.17 - 38.5: intense Sheared 45 deg. / weak to moderate Fractured 20 deg. >>	30.10	31.10	1.00	411835	0.813	0.8	1	12	0.01
			31.10	31.70	0.60	411837	3.25	1.7	2	18	0.01
<b>31.70</b>	<b>38.50</b>	<b>MV Mafic Volcanics</b> light grey <b>FG</b> Light grey Green, highly chloritized, biotized with QC stringers and loaded with fg-cg and blebs of Py-Po along the foliations and bands. High shear breaks. Magnetite. <<Min: 31.7 - 38.5: 10% pyrite / 5% pyrrhotite>> <<Alt: 31.7 - 38.5: moderate to strong Biotite / strong Chlorite / moderate to strong Quartz-Carbonate>> <<Vein: 31.7 - 38.5: 10% Quartz / 2% Quartz-Carbonate / 15% Chlorite-Sulphides>>	31.70	32.70	1.00	411838	17.2	15.9	80	64	0.92
			32.70	33.70	1.00	411839	1.06	7.6	117	24	1.47
			33.70	34.70	1.00	411841	0.1	0.9	10	6	0.1
			34.70	35.70	1.00	411842	3.21	4.4	186	9	1.8
			35.70	36.70	1.00	411843	7.46	22.1	270	11	2.44
			36.70	37.70	1.00	411844	3.58	3.4	144	3	0.53
			37.70	38.50	0.80	411845	0.252	3	92	2	0.07
<b>38.50</b>	<b>40.50</b>	<b>MV Mafic Volcanics</b> light grey <b>FCG</b> Light grey green. Broken core. <<Alt: 38.5 - 40.5: weak Chlorite / trace Quartz-Carbonate>> <<Vein: 38.5 - 40.5: 2% Quartz / 0.5% Quartz-Carbonate>> <<Struc: 38.5 - 40.5: moderate to strong Fractured 65 deg. / moderate Fractured 25 deg. >>									
<b>40.50</b>	<b>48.00</b>	<b>MV Mafic Volcanics</b> green <b>FMG</b> Strongly foliated and magnetite. 40.5 - 42.8 = Broken Core. <<Min: 40.5 - 51: 1% pyrite / 0.5% pyrrhotite>> <<Alt: 40.5 - 48: moderate to strong Quartz / weak to moderate Quartz-Carbonate>> <<Vein: 40.5 - 48: 15% Quartz / 2% Quartz-Carbonate>> <<Struc: 40.5 - 42.8: moderate Slickens 45 deg. / moderate to strong Fractured 70 deg. >> <<Struc: 42.8 - 43.18: moderate to strong Fault gouge 35 deg. >> <<Struc: 43.18 - 48: moderate Slickens 70 deg. / weak Fractured 20 deg. >>									



Hole: LM21-20

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best gpt	Ag Best ppm	Cu Best ppm	As ICP ppm	S ICP pct
<b>48.00</b>	<b>74.00</b>	<b>MV Mafic Volcanics</b>									
		local highly silicified and high qz-qc strings and veinlets carrying more Py-Po.									
		<<Min: 51 - 53: 15% pyrite / 5% pyrrhotite>>	49.00	50.00	1.00	411846	0.0025	0.1	55	1	0.08
		<<Min: 53 - 74: 1% pyrite / 0.5% pyrrhotite>>	50.00	51.00	1.00	411847	0.018	0.1	51	1	0.07
		<<Alt: 48 - 74: moderate Quartz / weak Quartz-Carbonate>>	51.00	52.00	1.00	411848	0.005	0.3	158	1	0.38
		<<Vein: 48 - 63.3: 1% Quartz / 1% Quartz / 0.5% Quartz-Carbonate>>	52.00	53.00	1.00	411849	4.73	1.4	484	1	0.67
		<<Vein: 63.3 - 63.4: 100% Quartz>> light grey white colour.	53.00	54.00	1.00	411851	0.038	0.3	252	1	0.37
		<<Vein: 63.4 - 74: 1% Quartz / 1% Quartz / 0.5% Quartz-Carbonate>>	62.00	63.00	1.00	411852	0.642	0.8	218	1	0.54
		<<Struc: 48 - 54: weak to moderate Slickens 40 deg. / weak to moderate Fractured 45 deg. >>	63.00	64.00	1.00	411853	0.113	0.3	159	1	0.34
		<<Struc: 54 - 74: moderate Fractured 45 deg. / weak to moderate Fractured 15 deg. >>	64.00	65.00	1.00	411854	0.042	0.3	199	1	0.36
			65.00	66.00	1.00	411855	0.041	0.5	198	1	0.22

End of Hole @ 74

**Project:** Lingman Lake mine

**Hole:** LM21-21

<b>Target:</b>	North Zone	<b>Survey Type:</b>	DGPS	<b>Logged By:</b>		<b>Hole Type:</b>	DD
<b>UTM Grid:</b>	NAD83_Z15	<b>Survey By:</b>	M Cardinal	<b>Date Started:</b>		<b>Hole Diameter:</b>	7.57
<b>UTM East:</b>	507237.402	<b>Azimuth:</b>	356.6	<b>Date Completed:</b>		<b>Core Size:</b>	NQ
<b>UTM North:</b>	5968819.946	<b>Dip:</b>	-60.6	<b>Drill Company:</b>	Mike	<b>Casing Pulled?:</b>	<input type="checkbox"/>
<b>UTM Elevation (m):</b>	278.792	<b>Length (m):</b>	92	<b>Drill Rig:</b>	Rig1	<b>Casing Depth (m):</b>	
<b>Local Grid:</b>		<b>NTS:</b>	53F15	<b>Drill Started:</b>	2021-09-23	<b>Reduced (m):</b>	
<b>Local East:</b>		<b>Township:</b>	Lingman Lake Area	<b>Drill Completed:</b>	2021-09-24	<b>Reduced Size:</b>	
<b>Local North:</b>		<b>Claim No.:</b>				<b>Oriented?:</b>	<input type="checkbox"/>
<b>Local Elevation (m):</b>		<b>Comments:</b>					
<b>Hole Status:</b>	Completed						
<b>Hole Purpose:</b>	EXPL						

Depth (m)	Survey Method	Survey By	Date Surveyed	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Mag. Field	Accept Values?	Comments
0	DeviGyro	JMS	2021-10-04	-60.3626	356.6	0	356.6		<input checked="" type="checkbox"/>	
5	DeviGyro	JMS	2021-10-04	-60.8055	357.469	0	357.469		<input checked="" type="checkbox"/>	
10	DeviGyro	JMS	2021-10-04	-60.8103	357.7985	0	357.7985		<input checked="" type="checkbox"/>	
15	DeviGyro	JMS	2021-10-04	-60.8204	357.8715	0	357.8715		<input checked="" type="checkbox"/>	
20	DeviGyro	JMS	2021-10-04	-60.8765	357.799	0	357.799		<input checked="" type="checkbox"/>	
25	DeviGyro	JMS	2021-10-04	-60.778	357.876	0	357.876		<input checked="" type="checkbox"/>	
30	DeviGyro	JMS	2021-10-04	-60.747	358.0743	0	358.0743		<input checked="" type="checkbox"/>	
35	DeviGyro	JMS	2021-10-04	-60.6566	357.9331	0	357.9331		<input checked="" type="checkbox"/>	
40	DeviGyro	JMS	2021-10-04	-60.5377	357.842	0	357.842		<input checked="" type="checkbox"/>	
45	DeviGyro	JMS	2021-10-04	-60.6172	357.9821	0	357.9821		<input checked="" type="checkbox"/>	

Hole: LM21-21

Depth (m)	Survey Method	Survey By	Date Surveyed	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Mag. Field	Accept Values?	Comments
50	DeviGyro	JMS	2021-10-04	-60.5023	358.0754	0	358.0754		<input checked="" type="checkbox"/>	
55	DeviGyro	JMS	2021-10-04	-60.4357	358.1753	0	358.1753		<input checked="" type="checkbox"/>	
60	DeviGyro	JMS	2021-10-04	-60.2386	358.1966	0	358.1966		<input checked="" type="checkbox"/>	
65	DeviGyro	JMS	2021-10-04	-60.1819	358.2214	0	358.2214		<input checked="" type="checkbox"/>	
70	DeviGyro	JMS	2021-10-04	-60.0419	358.5382	0	358.5382		<input checked="" type="checkbox"/>	
75	DeviGyro	JMS	2021-10-04	-59.9071	358.6407	0	358.6407		<input checked="" type="checkbox"/>	
80	DeviGyro	JMS	2021-10-04	-59.9886	358.5597	0	358.5597		<input checked="" type="checkbox"/>	
85	DeviGyro	JMS	2021-10-04	-59.8363	358.7626	0	358.7626		<input checked="" type="checkbox"/>	
87.986	DeviGyro	JMS	2021-10-04	-59.953	358.782	0	358.782		<input checked="" type="checkbox"/>	



Hole: **LM21-21**

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best gpt	Ag Best ppm	Cu Best ppm	As ICP ppm	S ICP pct
		<<Alt: 23.1 - 32.75: weak Quartz / weak Chlorite >>	25.00	26.00	1.00	411867	0.0025	0.6	10	23	0.04
		<<Vein: 23.1 - 30.3: 15% Quartz>>	26.00	27.00	1.00	411868	0.062	1.4	102	1	0.47
		<<Vein: 30.3 - 32.75: 5% Quartz / 2% Quartz-Carbonate>>	27.00	28.00	1.00	411869	0.024	2.3	117	1	0.42
		<<Struc: 23.1 - 32.75: moderate to strong Slickens 35 deg. / weak Fractured 50 deg. >>	28.00	29.00	1.00	411871	0.02	1.7	116	5	0.23
			29.00	30.00	1.00	411872	0.065	2.9	242	3	0.79
			30.00	31.00	1.00	411873	0.062	2	186	19	0.69
			31.00	32.00	1.00	411874	0.013	0.2	4	31	0.01
			32.00	33.00	1.00	411875	0.013	0.3	18	48	0.02
<b>32.75</b>	<b>37.85 FP</b>	<b>Feldspar Porphyry (Felsic Intrusive)</b>	<b>light grey</b>	<b>FCG</b>							
		<<Min: 32.75 - 37.85: 3% pyrite>>	33.00	34.00	1.00	411877	0.037	0.7	76	4	0.16
		<<Alt: 32.75 - 37.85: moderate Quartz>>	34.00	35.00	1.00	411878	0.009	0.3	30	6	0.03
		<<Vein: 32.75 - 37.85: 3% Quartz-Carbonate>>	35.00	36.00	1.00	411879	0.0025	0.4	32	2	0.05
		<<Struc: 32.75 - 37.85: weak to moderate Slickens 10 deg. / moderate Fractured 40 deg. >>	36.00	37.00	1.00	411881	0.018	0.1	26	4	0.01
<b>37.85</b>	<b>52.00 MV</b>	<b>Mafic Volcanics</b>	<b>light grey</b>	<b>FCG</b>							
		Foliated and locally banded Altered Light Grey Green MV. Broken core throughout the interval.	37.00	38.00	1.00	411882	0.008	0.1	23	2	0.02
			38.00	39.00	1.00	411883	0.022	0.5	14	11	0.04
		40.00 - 40.60m, 42.95 - 43.60 m sections are Bleached Altered MV.									
		<<Min: 42 - 47: 5% pyrite / 1% pyrrhotite>>	42.00	43.00	1.00	411884	0.176	1.1	130	24	1.53
		<<Alt: 37.85 - 52: weak to moderate Chlorite / weak Biotite>>	43.00	44.00	1.00	411885	5.01	2.3	83	7	1.1
		<<Vein: 37.85 - 52: 3% Quartz-Carbonate / 1% Quartz>>	44.00	45.00	1.00	411886	0.055	0.4	90	15	0.25
		<<Struc: 37.85 - 52: strong Fractured 45 deg. / weak to moderate Sheared 15 deg. >>	45.00	46.00	1.00	411887	0.0025	0.8	15	4	0.02
			46.00	47.00	1.00	411888	0.0025	0.2	5	1	0.005
			51.00	52.00	1.00	411889	0.026	0.1	60	4	0.03
<b>52.00</b>	<b>57.00 MV</b>	<b>Mafic Volcanics</b>	<b>grey</b>	<b>FCG</b>							
		Highly silicified.	52.00	53.00	1.00	411891	0.047	0.1	79	3	0.04
		<<Min: 52 - 57: 10% pyrite>>	53.00	54.00	1.00	411892	0.011	0.1	75	1	0.08
		<<Alt: 52 - 57: strong Quartz / weak to moderate Chlorite >>	54.00	55.00	1.00	411893	0.008	0.1	79	1	0.11
		<<Vein: 52 - 57: 15% Quartz>>	55.00	56.00	1.00	411894	0.014	0.1	73	1	0.11

Hole: **LM21-21**

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best gpt	Ag Best ppm	Cu Best ppm	As ICP ppm	S ICP pct
<<Struc: 52 - 57: moderate Fractured 10 deg. / moderate Fractured 50 deg. >>			56.00	57.00	1.00	411895	0.007	0.1	85	1	0.17
<b>57.00</b>	<b>92.00</b>	<b>MV Mafic Volcanics</b>	70.80	71.80	1.00	411897	0.0025	0.1	58	1	0.12
EOH @ 92 m											
<<Min: 57 - 92: 1% pyrite>>			83.00	84.00	1.00	411898	0.0025	0.1	101	2	0.08
<<Alt: 57 - 92: strong Amphibole / weak Chlorite >>			84.00	85.00	1.00	411899	0.009	0.1	175	2	0.14
<<Vein: 57 - 63.8: 0.5% Quartz / 2% Quartz>>			85.00	86.00	1.00	411901	0.006	0.1	177	1	0.1
<<Vein: 63.8 - 64.2: 70% Quartz>>			86.00	87.00	1.00	411902	0.007	0.1	84	1	0.07
<<Vein: 64.2 - 92: 1% Quartz / 3% Quartz>>			87.00	88.00	1.00	411903	0.014	0.1	140	1	0.11
<<Struc: 57 - 71: weak to moderate Fractured 15 deg. / weak to moderate Fractured 30 deg. >>											
<<Struc: 71 - 71.3: moderate to strong Sheared 20 deg. >>											
<<Struc: 71.3 - 92: moderate Fractured 35 deg. / moderate Fractured 45 deg. >>											

**End of Hole @ 92**

**Project:** Lingman Lake mine

**Hole:** LM21-22

<b>Target:</b>	North Zone	<b>Survey Type:</b>	DGPS	<b>Logged By:</b>	J Siriuнас	<b>Hole Type:</b>	DD
<b>UTM Grid:</b>	NAD83_Z15	<b>Survey By:</b>	M Cardinal	<b>Date Started:</b>	2021-10-29	<b>Hole Diameter:</b>	7.57
<b>UTM East:</b>	507258.274	<b>Azimuth:</b>	358.53	<b>Date Completed:</b>	2021-10-31	<b>Core Size:</b>	NQ
<b>UTM North:</b>	5968784.983	<b>Dip:</b>	-49.02	<b>Drill Company:</b>	Mike	<b>Casing Pulled?:</b>	<input type="checkbox"/>
<b>UTM Elevation (m):</b>	281.149	<b>Length (m):</b>	113	<b>Drill Rig:</b>	Rig2	<b>Casing Depth (m):</b>	2
<b>Local Grid:</b>		<b>NTS:</b>	53F15	<b>Drill Started:</b>	2021-10-29	<b>Reduced (m):</b>	
<b>Local East:</b>		<b>Township:</b>	Lingman Lake Area	<b>Drill Completed:</b>	2021-10-30	<b>Reduced Size:</b>	
<b>Local North:</b>		<b>Claim No.:</b>	PAT-40606			<b>Oriented?:</b>	<input type="checkbox"/>
<b>Local Elevation (m):</b>		<b>Comments:</b>					
<b>Hole Status:</b>	Completed						
<b>Hole Purpose:</b>	EXPL						

Depth (m)	Survey Method	Survey By	Date Surveyed	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Mag. Field	Accept Values?	Comments
0	DeviGyro	Scott	2021-10-30	-49.4042	358.5	0	358.5		<input checked="" type="checkbox"/>	
5	DeviGyro	Scott	2021-10-30	-49.1502	359.1	0	359.1		<input checked="" type="checkbox"/>	
10	DeviGyro	Scott	2021-10-30	-48.7939	359.4	0	359.4		<input checked="" type="checkbox"/>	
15	DeviGyro	Scott	2021-10-30	-48.2455	359.8	0	359.8		<input checked="" type="checkbox"/>	
20	DeviGyro	Scott	2021-10-30	-48.113	359.9	0	359.9		<input checked="" type="checkbox"/>	
25	DeviGyro	Scott	2021-10-30	-48.0859	0.1	0	0.1		<input checked="" type="checkbox"/>	
30	DeviGyro	Scott	2021-10-30	-47.96	0.4	0	0.4		<input checked="" type="checkbox"/>	
35	DeviGyro	Scott	2021-10-30	-47.8629	0.5	0	0.5		<input checked="" type="checkbox"/>	
40	DeviGyro	Scott	2021-10-30	-47.7826	0.5	0	0.5		<input checked="" type="checkbox"/>	
45	DeviGyro	Scott	2021-10-30	-47.7373	0.7	0	0.7		<input checked="" type="checkbox"/>	

Hole: LM21-22

Depth (m)	Survey Method	Survey By	Date Surveyed	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Mag. Field	Accept Values?	Comments
50	DeviGyro	Scott	2021-10-30	-47.6345	0.9	0	0.9		<input checked="" type="checkbox"/>	
55	DeviGyro	Scott	2021-10-30	-47.5894	1	0	1		<input checked="" type="checkbox"/>	
60	DeviGyro	Scott	2021-10-30	-47.6124	1.1	0	1.1		<input checked="" type="checkbox"/>	
65	DeviGyro	Scott	2021-10-30	-47.5963	1.1	0	1.1		<input checked="" type="checkbox"/>	
70	DeviGyro	Scott	2021-10-30	-47.6008	1.1	0	1.1		<input checked="" type="checkbox"/>	
75	DeviGyro	Scott	2021-10-30	-47.4783	1.1	0	1.1		<input checked="" type="checkbox"/>	
80	DeviGyro	Scott	2021-10-30	-47.4733	1.2	0	1.2		<input checked="" type="checkbox"/>	
85	DeviGyro	Scott	2021-10-30	-47.4593	1.1	0	1.1		<input checked="" type="checkbox"/>	
90	DeviGyro	Scott	2021-10-30	-47.3245	1.3	0	1.3		<input checked="" type="checkbox"/>	
95	DeviGyro	Scott	2021-10-30	-47.3836	1.4	0	1.4		<input checked="" type="checkbox"/>	
100	DeviGyro	Scott	2021-10-30	-47.2724	1.4	0	1.4		<input checked="" type="checkbox"/>	
105	DeviGyro	Scott	2021-10-30	-47.1836	1.5	0	1.5		<input checked="" type="checkbox"/>	
108.774	DeviGyro	Scott	2021-10-30	-47.0893	1.7	0	1.7		<input checked="" type="checkbox"/>	



Hole: LM21-22

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best gpt	Ag Best ppm	Cu Best ppm	As ICP ppm	S ICP pct
<b>0.00</b>	<b>2.00</b>	<b>CAS Casing</b>									
<b>2.00</b>	<b>26.42</b>	<b>MV Mafic Volcanics</b>									
weak fabric but can be locally strong occasional section of carbonatization scattered QFPO sections silicified patches after 24 m with PY AND po in some of those sections			24.00	25.00	1.00	412184	0.012	0.4	40	2	0.11
			25.00	26.00	1.00	412185	0.009	0.2	11	3	0.11
			26.00	27.00	1.00	412186	0.082	1.4	82	28	3.94
			27.00	28.00	1.00	412187	1.56	1.3	41	16	1.55
<b>26.42</b>	<b>38.70</b>	<b>MV Mafic Volcanics</b>									
most sections with strong banded fabric weaker silicification from 37.24 m to 38.70 m PY and PO mineralization throughout			28.00	29.00	1.00	412188	0.167	0.1	1	8	0.14
			29.00	30.00	1.00	412189	0.146	0.3	1	269	0.33
			30.00	31.00	1.00	412191	0.651	1.2	6	529	0.12
			31.00	32.00	1.00	412192	2.03	1.5	6	4530	1.31
			32.00	33.00	1.00	412193	0.176	0.3	25	3310	0.26
			33.00	34.00	1.00	412194	0.158	1.4	108	339	0.98
			34.00	35.00	1.00	412195	0.326	0.9	59	60	0.51
			35.00	36.00	1.00	412197	0.02	0.3	41	18	0.26
			36.00	37.00	1.00	412198	0.006	0.2	19	29	0.22
			37.00	38.00	1.00	412199	0.054	1	32	22	0.98
			38.00	39.00	1.00	412201	0.587	4.5	162	41	2.16
			47.00	47.50	0.50	412202	0.16	6.1	483	167	2.91
<b>38.70</b>	<b>67.15</b>	<b>MV Mafic Volcanics</b>									
local QZ-CL-CA breccia zones some PY and PO patches between 47 m and 53.7 m massive 2 cm wide PO veinlet at 47.90 m oriented 75 degrees TCA (see hole 21-04 @ 152.62 m)			47.50	48.00	0.50	412203	0.097	11.3	928	22	2.36
			48.00	49.00	1.00	412204	0.112	9.7	808	1	3.08
			49.00	50.00	1.00	412205	0.022	3.9	248	2	1.03
			50.00	51.00	1.00	412206	0.075	4.1	372	1	2.8

Hole: **LM21-22**

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best gpt	Ag Best ppm	Cu Best ppm	As ICP ppm	S ICP pct
			51.00	52.00	1.00	412207	0.129	8.1	1030	4	3.08
			52.00	53.00	1.00	412222	0.047	7	915	7	0.81
			53.00	54.00	1.00	412223	0.155	25.5	3280	4	1.95
<b>67.15</b>	<b>70.93</b>	<b>MV Mafic Volcanics</b>									
<b>70.93</b>	<b>73.06</b>	<b>MV Mafic Volcanics</b>									
as section 38.70 m to 67.15 m											
			71.00	72.00	1.00	412208	0.212	1	14	74	0.08
			72.00	73.00	1.00	412209	0.044	0.4	9	37	0.09
			73.00	74.00	1.00	412211	0.065	2.8	118	7	0.35
			74.00	75.00	1.00	412213	1.27	1.2	13	28	0.19
<b>73.06</b>	<b>80.94</b>	<b>MV Mafic Volcanics</b>									
NORTH ZONE including: 73.06 m - 73.82 m QZ-CL breccia 73.82 m - 76.43 m QZ-rich zone with some breccia but a weak fabric 77.92 m - 80 m PO and PY-rich with some gouge and broken core 80 m - 80.94 m fewer sulphides with some broken core and gouge around 80.50 m											
			75.00	76.00	1.00	412214	0.28	0.3	2	10	0.06
			76.00	77.00	1.00	412215	0.546	5.6	246	6	1.62
			77.00	78.00	1.00	412216	0.832	12.1	327	99	2.7
			78.00	79.00	1.00	412217	2.89	27.5	156	10000	0.71
			79.00	80.00	1.00	412218	8.78	7.2	166	10000	2.11
			80.00	81.00	1.00	412219	0.484	2.9	41	26	0.25
			81.00	82.00	1.00	412221	0.015	0.2	6	9	0.04
<b>80.94</b>	<b>86.47</b>	<b>MV Mafic Volcanics</b>									
<b>86.47</b>	<b>90.00</b>	<b>MV Mafic Volcanics</b>									
<b>90.00</b>	<b>94.29</b>	<b>MV Mafic Volcanics</b>									
possibly sheared with feldspar laths strongly elongated from 90 m to 93.50 m											
<b>94.29</b>	<b>113.00</b>	<b>MV Mafic Volcanics</b>									
EOH @ 113 m broken and chloritic from 99.20 m to 100 m											
<b>End of Hole @ 113</b>											

Hole: LM21-22

**Project:** Lingman Lake mine

**Hole:** LM21-23

<b>Target:</b>	North Zone	<b>Survey Type:</b>	DGPS	<b>Logged By:</b>	J Wong	<b>Hole Type:</b>	DD
<b>UTM Grid:</b>	NAD83_Z15	<b>Survey By:</b>	M Cardinal	<b>Date Started:</b>		<b>Hole Diameter:</b>	7.57
<b>UTM East:</b>	507287.2	<b>Azimuth:</b>	354	<b>Date Completed:</b>		<b>Core Size:</b>	NQ
<b>UTM North:</b>	5968806.241	<b>Dip:</b>	-50.9	<b>Drill Company:</b>	Mike	<b>Casing Pulled?:</b>	<input type="checkbox"/>
<b>UTM Elevation (m):</b>	279.226	<b>Length (m):</b>	152	<b>Drill Rig:</b>	Rig1	<b>Casing Depth (m):</b>	
<b>Local Grid:</b>		<b>NTS:</b>	53F15	<b>Drill Started:</b>	2021-09-25	<b>Reduced (m):</b>	
<b>Local East:</b>		<b>Township:</b>	Lingman Lake Area	<b>Drill Completed:</b>	2021-09-27	<b>Reduced Size:</b>	
<b>Local North:</b>		<b>Claim No.:</b>	PAT-40606			<b>Oriented?:</b>	<input type="checkbox"/>
<b>Local Elevation (m):</b>		<b>Comments:</b>					
<b>Hole Status:</b>	Completed						
<b>Hole Purpose:</b>	EXPL						

Hole: LM21-23

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best gpt	Ag Best ppm	Cu Best ppm	As ICP ppm	S ICP pct
0.00	4.50	<b>QFPO Quartz Feldspar Porphyry</b> light grey FCG Light blue grey. Lower contact at 50°. <<Alt: 0 - 4.5: strong Quartz / weak to moderate Chlorite >> <<Vein: 0 - 4.5: Quartz>> <<Struc: 0 - 1.5: strong Fractured 25 deg. / weak to moderate Fractured 40 deg. >>									
4.50	6.60	<b>MV Mafic Volcanics</b> green FCG Silicic. Lower contact at 20°. <<Alt: 4.5 - 6.6: strong Amphibole / moderate Quartz-Carbonate / weak Chlorite >> <<Vein: 4.5 - 6.6: 5% Quartz / 15% Quartz-Carbonate>> <<Struc: 4.5 - 6.6: weak Fractured 40 deg. / weak Sheared 50 deg. >>									
6.60	9.25	<b>QFPO Quartz Feldspar Porphyry</b> light grey FCG Same as 0.0 - 4.5 m with no oxidation. Lower contact at 20°. <<Alt: 6.6 - 9.25: strong Quartz / trace Quartz>> <<Struc: 6.6 - 9.25: weak Fractured 55 deg. / weak Fractured 5 deg. >>									
9.25	15.50	<b>MV Mafic Volcanics</b> green MCG Mixed MV-QFPO unit. Green MV and Light Blue Grey QFPO. 10.95 - 11.15 = light blue grey QFP. 12.10 - 12.60 = Deep Blue Grey QFP. 14.65 - 15.95 = Light blue grey QFP. And local 1.0 to 10.0 cm light blue grey QFP bands. Lowr contact at 45°. <<Min: 10.7 - 13.7: 1% pyrrhotite / 1% pyrrhotite>> <<Alt: 9.25 - 15.5: weak to moderate Quartz / weak to moderate Chlorite >> <<Vein: 9.25 - 15.5: 1% Quartz / 2% Quartz-Carbonate>> <<Struc: 9.25 - 15.5: weak Fractured 10 deg. / weak Fractured 45 deg. >>									
15.50	17.60	<b>QFPO Quartz Feldspar Porphyry</b> light grey FCG Lower contact at 40°. <<Alt: 15.5 - 17.6: strong Quartz / weak Chlorite / moderate Plagioclase>>	17.00	18.00	1.00	411737	0.005	0.6	37	5	0.41

Hole: **LM21-23**

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best gpt	Ag Best ppm	Cu Best ppm	As ICP ppm	S ICP pct
<<Vein: 15.5 - 17.6: 1% Quartz-Carbonate>> <b>17.60 19.25 MV Mafic Volcanics green MCG</b>											
Altered MV. 17.60 - 17.90 m = altered QFP. Lower cinct at 45°.											
<<Min: 17.6 - 18.2: 3% pyrrhotite / 2% pyrite>>											
<<Alt: 17.6 - 19.25: weak to moderate Quartz-Carbonate>>											
<<Vein: 17.6 - 19.25: 10% Quartz-Carbonate / 2% Quartz>>											
<<Struc: 17.6 - 19.25: weak Fractured 30 deg. / weak Fractured 50 deg. >>											
<b>19.25 23.20 MV Mafic Volcanics light brown FCG</b>											
Mixtures of Altered - QFP-MV. Highly altered and Mineralized = NorthZone?											
19.25 - 19.60 = altered MV 19.60 - 21.25 = altered QFP 20.80 - 21.25 = bleached QFP 21.25 - 22.20 = chloritizes MV 22.20 - 22.60 = Chloritized QFP - Bleached looking (QC fragments). 22.60 - 23.20 = chloritized MV											
Lower contact at 25°											
<<Min: 19.25 - 21.7: 8% pyrrhotite / 5% pyrite / 0.005% arsenopyrite>>											
<<Min: 21.7 - 40: 1% pyrrhotite / 1% pyrite>>											
<<Alt: 19.25 - 21.7: strong Quartz / moderate Biotite / weak Chlorite / weak to moderate Quartz-Carbonate>>											
<<Alt: 21.7 - 40: moderate Quartz / weak to moderate Quartz-Carbonate / weak to moderate Chlorite >>											
<<Vein: 19.25 - 21.7: 15% Quartz-Carbonate>>											
<<Vein: 21.7 - 40: 10% Quartz / 5% Quartz-Carbonate>>											
<<Struc: 19.25 - 20.7: moderate Slickens 45 deg. / moderate Sheared 35 deg. >>											
<<Struc: 20.7 - 20.8: weak to moderate Fault gouge 50 deg. / weak to moderate Fractured 50 deg. >>											
<<Struc: 20.8 - 21.7: weak to moderate Slickens 30 deg. / weak to moderate Slickens 45 deg. >>											
<<Struc: 21.7 - 26.41: weak to moderate Fractured 15 deg. / weak to moderate Slickens 80 deg. >>											
<b>23.20 40.00 MV Mafic Volcanics green FG</b>											
Light grey Green. Lower contact at 50°.											
<<Struc: 26.41 - 26.48: weak to moderate Fault gouge 45 deg. >> Loaded with fcg Po-Py in the fractures and vugs.											

Hole: LM21-23

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best gpt	Ag Best ppm	Cu Best ppm	As ICP ppm	S ICP pct
		<<Struc: 26.8 - 33.5: weak to moderate Fractured 30 deg. / moderate Slickens 60 deg. >> again, po-py more concentrated in the vrinlets and fractures.	26.00	27.00	1.00	411747	0.127	6.3	360	267	3.22
		<<Struc: 33.5 - 33.6: moderate Fault gouge 55 deg. / moderate Slickens 50 deg. >>	27.00	28.00	1.00	411748	0.021	3.8	486	5	1.88
		<<Struc: 33.6 - 40: moderate Fractured 50 deg. / weak to moderate Slickens 50 deg. >>	28.00	29.00	1.00	411749	0.032	3.9	461	3	0.9
			29.00	30.00	1.00	411751	0.352	2.1	296	1	1.16
			30.00	31.00	1.00	411752	0.055	19.3	1630	449	1.14
			31.00	32.00	1.00	411753	0.065	2.1	166	9	0.44
			32.00	33.00	1.00	411754	0.0025	1.8	75	7	0.03
			33.00	34.00	1.00	411755	0.012	4.4	110	6	0.2
			34.00	35.00	1.00	411757	0.008	0.5	111	7	0.06
			35.00	36.00	1.00	411758	0.0025	0.7	40	15	0.05
			36.00	37.00	1.00	411759	0.012	1.2	49	12	0.13
			37.00	38.00	1.00	411761	0.008	0.5	98	11	0.13
			38.00	39.00	1.00	411762	0.011	0.5	124	2	0.12
			39.00	40.00	1.00	411763	0.464	3.6	130	104	0.06
<b>40.00</b>	<b>43.55</b>	<b>MV Mafic Volcanics</b>									
		fcg feldspar throughout the unit. Lower contact at 50°.									
		<<Min: 40 - 43.55: 1% pyrrhotite>>	40.00	41.00	1.00	411764	0.014	0.8	14	3	0.04
		<<Alt: 40 - 43.55: moderate to strong Quartz>>	41.00	42.00	1.00	411765	0.041	1.3	26	2	0.1
		<<Vein: 40 - 43.55: 1% Quartz / 1% Quartz-Carbonate>>	42.00	43.00	1.00	411766	0.011	0.4	51	2	0.26
		<<Struc: 40 - 43.55: weak Fractured 15 deg. / weak to moderate Fractured 45 deg. >>	43.00	44.00	1.00	411767	0.076	0.1	9	1	0.04
<b>43.55</b>	<b>48.00</b>	<b>MV Mafic Volcanics</b>									
		Lower contact at 50°.									
		<<Min: 43.55 - 48: 1% pyrrhotite / 1% pyrite>> local concentration of Po-Py.	44.00	45.00	1.00	411768	0.074	0.4	2	1	0.005
		<<Alt: 43.55 - 48: weak to moderate Biotite / weak Chlorite >>	45.00	46.00	1.00	411769	0.007	0.5	3	1	0.01
		<<Vein: 43.55 - 48: 5% Quartz-Carbonate>>	46.00	47.00	1.00	411771	0.0025	0.6	9	1	0.04
		<<Struc: 43.55 - 46.26: moderate Fractured 50 deg. / weak Slickens 45 deg. >>	47.00	48.00	1.00	411772	0.0025	0.9	21	6	0.03
		<<Struc: 46.26 - 46.46: moderate Fault gouge 50 deg. / strong Slickens 50 deg. >>									
		<<Struc: 46.46 - 48: weak to moderate Fractured 40 deg. / weak Slickens 25 deg. >>									

Hole: **LM21-23**

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best gpt	Ag Best ppm	Cu Best ppm	As ICP ppm	S ICP pct
<b>48.00</b>	<b>50.20</b>	<b>QFPO Quartz Feldspar Porphyry beige FG</b> Lower contact at 45°. <<Min: 48.9 - 49.25: 5% pyrite>> <<Alt: 48 - 50.2: weak to moderate Chlorite / strong Plagioclase / weak Quartz-Carbonate>> <<Vein: 48 - 50.2: 2% Quartz-Carbonate>> <<Struc: 48.8 - 49.25: moderate to strong Fault gouge 65 deg. / moderate Fractured 45 deg. >>									
<b>50.20</b>	<b>51.50</b>	<b>MV Mafic Volcanics grey FCG</b> Altered MV. Grey Green. Lower contact at 45°. <<Min: 50.2 - 51.5: 10% pyrrhotite / 5% pyrite>> <<Alt: 50.2 - 51.5: moderate Biotite / moderate Chlorite / weak to moderate Quartz-Carbonate>> <<Vein: 50.2 - 51.5: 10% Quartz-Carbonate>> <<Struc: 50.2 - 51.5: moderate to strong Slickens 45 deg. / moderate to strong Slickens 50 deg. >>	50.20	51.30	1.10	411773	1.28	5.5	230	11	2.06
<b>51.50</b>	<b>53.30</b>	<b>MV Mafic Volcanics green</b> Grey Green. <<Min: 51.5 - 53.3: pyrrhotite>> <<Alt: 51.5 - 53.3: weak to moderate Quartz / weak to moderate Potassium feldspar>> <<Vein: 51.5 - 53.3: 1% Quartz-Carbonate>> <<Struc: 51.5 - 53.3: moderate Fractured 15 deg. / moderate Slickens 30 deg. >>									
<b>53.30</b>	<b>55.10</b>	<b>MV Mafic Volcanics light grey FCG</b> Broken core. Lower contact at 45°. <<Min: 53.3 - 55.1: 0.5% pyrrhotite / 0.5% pyrite>> <<Alt: 53.3 - 55.1: moderate Chlorite / weak to moderate Biotite / weak to moderate Quartz-Carbonate>> <<Vein: 53.3 - 55.1: 10% Quartz-Carbonate>> <<Struc: 53.3 - 55.1: moderate Slickens 50 deg. / moderate Fractured 45 deg. >>	55.00	56.00	1.00	411774	0.0025	0.1	55	1	0.16
<b>55.10</b>	<b>56.50</b>	<b>MV Mafic Volcanics green FG</b> Altered MV. Lower contact at 45°. <<Min: 55.1 - 56.5: 1% pyrite>> <<Alt: 55.1 - 56.5: weak Chlorite / moderate Quartz>> <<Vein: 55.1 - 56.5: 5% Quartz-Carbonate>>									



Hole: LM21-23

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best gpt	Ag Best ppm	Cu Best ppm	As ICP ppm	S ICP pct
<<Struc: 55.1 - 56.5: weak to moderate Fractured 45 deg. / weak to moderate Slickens 45 deg. >> <b>56.50 62.90 MV Mafic Volcanics green FMG</b> Grey green. Lower contact at 45°.											
<<Min: 56.5 - 62.9: 1% pyrite>> <<Alt: 56.5 - 62.9: moderate Quartz / weak Chlorite >> <<Vein: 56.5 - 62.9: 1% Quartz-Carbonate>> <<Struc: 56.5 - 62.9: weak to moderate Fractured 50 deg. / weak to moderate Slickens 35 deg. >>											
<b>62.90</b>	<b>91.20</b>	<b>MV Mafic Volcanics green MCG</b>	82.00	83.00	1.00	411775	0.02	0.6	248	1	0.2
Massive, siliceous with medium to coarse grained amphiboles. Dark and light green colours at different portions of the core.  82.00 - 85.00 m = Massive Py-Po veinlets-stringer-blebs (up to 1 cm width) within the shears breaks.  Lower contact at 35°.											
<<Min: 62.9 - 82: 0.5% pyrite / 0.5% pyrrhotite>> <<Min: 82 - 85: 3% pyrite / 2% pyrrhotite>> <<Min: 85 - 91.2: 0.05% pyrite / 0.05% pyrrhotite>> <<Alt: 62.9 - 91.2: moderate to strong Quartz / weak Chlorite >> <<Vein: 62.9 - 91.2: 1% Quartz / 0.5% Calcite>> <<Struc: 62.9 - 80: weak to moderate Sheared 25 deg. / moderate Fractured 35 deg. >> <<Struc: 80 - 85: strong Sheared 5 deg. / weak to moderate Fractured 45 deg. >> <<Struc: 85 - 91.2: weak Fractured 50 deg. / weak Sheared 40 deg. >>											
<b>91.20</b>	<b>100.40</b>	<b>MV Mafic Volcanics green MCG</b>									
Chloritized MV - light green.grey.  Lower contact at 45°.											
<<Min: 91.2 - 100.4: 0.5% pyrite>> <<Alt: 91.2 - 100.4: strong Chlorite >> <<Vein: 91.2 - 100.4: 1% Quartz>> <<Struc: 91.2 - 100.4: weak Fractured 20 deg. / weak Fractured 45 deg. >>											



Hole: **LM21-23**

From (m)	To (m)	Rock Type & Description	Color	Grade	From (m)	To (m)	Length	Sample #	Au Best gpt	Ag Best ppm	Cu Best ppm	As ICP ppm	S ICP pct
<b>129.60</b>	<b>132.00</b>	<b>MV Mafic Volcanics</b>	<b>green</b>	<b>FMG</b>	131.00	132.00	1.00	411797	0.021	0.3	102	1	0.08
lower contact at 40°. <<Min: 131 - 132: 0.5% pyrite / 0.5% pyrrhotite>> <<Alt: 129.6 - 132: moderate Chlorite >> <<Vein: 129.6 - 132: 15% Quartz / 5% Quartz-Kspar>> <<Struc: 129.6 - 131.43: weak Fractured 40 deg. / weak Fractured 60 deg. >> <<Struc: 131.43 - 131.47: moderate Sheared 35 deg. >> <<Struc: 131.47 - 132: weak Fractured 35 deg. >>													
<b>132.00</b>	<b>142.25</b>	<b>MV Mafic Volcanics</b>	<b>green</b>	<b>MCG</b>									
Same as 118.3 to 129.6. lower contact at 55°. <<Alt: 132 - 142.25: moderate Plagioclase>> <<Vein: 132 - 142.25: 1% Quartz>> <<Struc: 132 - 142.25: strong Fractured 70 deg. / weak Fractured 30 deg. >>													
<b>142.25</b>	<b>145.50</b>	<b>MV Mafic Volcanics</b>	<b>light grey</b>	<b>FMG</b>	142.25	142.70	0.45	411798	0.0025	0.4	121	2	0.05
light grey green. <<Min: 142.25 - 145.5: 2% pyrite / 1% pyrrhotite>> <<Alt: 142.25 - 145.5: moderate to strong Quartz>> <<Vein: 142.25 - 145.5: 5% Quartz>> <<Struc: 142.25 - 145.5: moderate to strong Fractured 70 deg. / weak to moderate Fractured 30 deg. >>													
<b>142.35</b>	<b>MV</b>	<b>Mafic Volcanics</b>			142.70	143.70	1.00	411799	0.032	0.8	215	1	0.46
					143.70	144.70	1.00	411801	0.014	0.4	43	1	0.09
					144.70	145.70	1.00	411802	0.016	0.3	118	1	0.26
					142.70	143.70	1.00	411799	0.032	0.8	215	1	0.46
					143.70	144.70	1.00	411801	0.014	0.4	43	1	0.09
					144.70	145.70	1.00	411802	0.016	0.3	118	1	0.26
<b>145.50</b>	<b>152.00</b>	<b>MV Mafic Volcanics</b>	<b>green</b>	<b>MCG</b>	145.70	146.70	1.00	411803	0.012	0.2	136	1	0.38
EOH @ 152 m <<Min: 151 - 152: 2% pyrite / 1% pyrrhotite>> <<Alt: 145.5 - 152: strong Amphibole / trace Quartz / Quartz-Carbonate>> <<Vein: 145.5 - 152: 1% Quartz>> <<Struc: 145.5 - 152: moderate to strong Fractured 45 deg. / weak to moderate Fractured 15 deg. >>													
					151.00	152.00	1.00	411804	0.021	0.1	121	1	0.09

Hole: LM21-23

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best gpt	Ag Best ppm	Cu Best ppm	As ICP ppm	S ICP pct
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End of Hole @ 152

**Project:** Lingman Lake mine

**Hole:** LM21-24

<b>Target:</b>	North Zone	<b>Survey Type:</b>	DGPS	<b>Logged By:</b>		<b>Hole Type:</b>	DD
<b>UTM Grid:</b>	NAD83_Z15	<b>Survey By:</b>	M Cardinal	<b>Date Started:</b>		<b>Hole Diameter:</b>	7.57
<b>UTM East:</b>	507235.772	<b>Azimuth:</b>	356.08	<b>Date Completed:</b>		<b>Core Size:</b>	NQ
<b>UTM North:</b>	5968716.625	<b>Dip:</b>	-46.4	<b>Drill Company:</b>	Mike	<b>Casing Pulled?:</b>	<input type="checkbox"/>
<b>UTM Elevation (m):</b>	279.277	<b>Length (m):</b>	191	<b>Drill Rig:</b>	Rig1	<b>Casing Depth (m):</b>	
<b>Local Grid:</b>		<b>NTS:</b>	53F15	<b>Drill Started:</b>	2021-10-06	<b>Reduced (m):</b>	
<b>Local East:</b>		<b>Township:</b>	Lingman Lake Area	<b>Drill Completed:</b>	2021-10-08	<b>Reduced Size:</b>	
<b>Local North:</b>		<b>Claim No.:</b>	PAT-40606			<b>Oriented?:</b>	<input type="checkbox"/>
<b>Local Elevation (m):</b>		<b>Comments:</b>					
<b>Hole Status:</b>	Completed						
<b>Hole Purpose:</b>	EXPL						

Depth (m)	Survey Method	Survey By	Date Surveyed	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Mag. Field	Accept Values?	Comments
0	DeviGyro	JMS	2021-10-08	-46.355	356.08	0	356.08		<input checked="" type="checkbox"/>	
5	DeviGyro	JMS	2021-10-08	-47.4754	356.1776	0	356.1776		<input checked="" type="checkbox"/>	
10	DeviGyro	JMS	2021-10-08	-47.3048	356.2303	0	356.2303		<input checked="" type="checkbox"/>	
15	DeviGyro	JMS	2021-10-08	-47.1316	356.2087	0	356.2087		<input checked="" type="checkbox"/>	
20	DeviGyro	JMS	2021-10-08	-47.0076	356.4644	0	356.4644		<input checked="" type="checkbox"/>	
25	DeviGyro	JMS	2021-10-08	-47.0121	356.5986	0	356.5986		<input checked="" type="checkbox"/>	
30	DeviGyro	JMS	2021-10-08	-46.9181	356.6979	0	356.6979		<input checked="" type="checkbox"/>	
35	DeviGyro	JMS	2021-10-08	-46.8597	356.8676	0	356.8676		<input checked="" type="checkbox"/>	
40	DeviGyro	JMS	2021-10-08	-46.7738	356.9727	0	356.9727		<input checked="" type="checkbox"/>	
45	DeviGyro	JMS	2021-10-08	-46.6287	357.1437	0	357.1437		<input checked="" type="checkbox"/>	

Hole: LM21-24

Depth (m)	Survey Method	Survey By	Date Surveyed	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Mag. Field	Accept Values?	Comments
50	DeviGyro	JMS	2021-10-08	-46.5053	357.2655	0	357.2655		<input checked="" type="checkbox"/>	
55	DeviGyro	JMS	2021-10-08	-46.3295	357.598	0	357.598		<input checked="" type="checkbox"/>	
60	DeviGyro	JMS	2021-10-08	-46.2129	357.7971	0	357.7971		<input checked="" type="checkbox"/>	
65	DeviGyro	JMS	2021-10-08	-46.0569	357.7522	0	357.7522		<input checked="" type="checkbox"/>	
70	DeviGyro	JMS	2021-10-08	-45.8702	357.9104	0	357.9104		<input checked="" type="checkbox"/>	
75	DeviGyro	JMS	2021-10-08	-45.7549	358.1012	0	358.1012		<input checked="" type="checkbox"/>	
80	DeviGyro	JMS	2021-10-08	-45.5589	358.2685	0	358.2685		<input checked="" type="checkbox"/>	
85	DeviGyro	JMS	2021-10-08	-45.3635	358.3141	0	358.3141		<input checked="" type="checkbox"/>	
90	DeviGyro	JMS	2021-10-08	-45.2196	358.388	0	358.388		<input checked="" type="checkbox"/>	
95	DeviGyro	JMS	2021-10-08	-45.279	358.2828	0	358.2828		<input checked="" type="checkbox"/>	
100	DeviGyro	JMS	2021-10-08	-45.1684	358.3368	0	358.3368		<input checked="" type="checkbox"/>	
105	DeviGyro	JMS	2021-10-08	-45.1586	358.5498	0	358.5498		<input checked="" type="checkbox"/>	
110	DeviGyro	JMS	2021-10-08	-44.7917	358.5041	0	358.5041		<input checked="" type="checkbox"/>	
115	DeviGyro	JMS	2021-10-08	-44.2489	358.523	0	358.523		<input checked="" type="checkbox"/>	
120	DeviGyro	JMS	2021-10-08	-43.9756	358.5566	0	358.5566		<input checked="" type="checkbox"/>	
125	DeviGyro	JMS	2021-10-08	-43.9845	358.4752	0	358.4752		<input checked="" type="checkbox"/>	
130	DeviGyro	JMS	2021-10-08	-43.8983	358.6817	0	358.6817		<input checked="" type="checkbox"/>	
135	DeviGyro	JMS	2021-10-08	-43.914	358.7373	0	358.7373		<input checked="" type="checkbox"/>	
140	DeviGyro	JMS	2021-10-08	-43.82	358.8634	0	358.8634		<input checked="" type="checkbox"/>	
145	DeviGyro	JMS	2021-10-08	-43.8482	358.9558	0	358.9558		<input checked="" type="checkbox"/>	
150	DeviGyro	JMS	2021-10-08	-43.8197	359.156	0	359.156		<input checked="" type="checkbox"/>	
155	DeviGyro	JMS	2021-10-08	-43.8608	359.2388	0	359.2388		<input checked="" type="checkbox"/>	
160	DeviGyro	JMS	2021-10-08	-43.7669	359.4016	0	359.4016		<input checked="" type="checkbox"/>	

Hole: LM21-24

Depth (m)	Survey Method	Survey By	Date Surveyed	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Mag. Field	Accept Values?	Comments
165	DeviGyro	JMS	2021-10-08	-43.6988	359.5203	0	359.5203		<input checked="" type="checkbox"/>	
170	DeviGyro	JMS	2021-10-08	-43.5467	359.6422	0	359.6422		<input checked="" type="checkbox"/>	
175	DeviGyro	JMS	2021-10-08	-43.5202	359.68	0	359.68		<input checked="" type="checkbox"/>	
180	DeviGyro	JMS	2021-10-08	-43.3251	359.9173	0	359.9173		<input checked="" type="checkbox"/>	
185	DeviGyro	JMS	2021-10-08	-43.2772	359.8541	0	359.8541		<input checked="" type="checkbox"/>	
187.279	DeviGyro	JMS	2021-10-08	-43.3359	359.8788	0	359.8788		<input checked="" type="checkbox"/>	

Hole: **LM21-24**

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best gpt	Ag Best ppm	Cu Best ppm	As ICP ppm	S ICP pct
<b>0.00</b>	<b>10.70</b>	<b>MV Mafic Volcanics</b>									
		light grey									
		FG									
		<<Min: 6 - 10.7: 5% pyrrhotite / 1% pyrrhotite>>	6.00	7.00	1.00	411904	0.032	0.4	144	79	0.12
		<<Alt: 0 - 10.7: strong Quartz / weak Chlorite >>	7.00	8.00	1.00	411905	0.02	0.3	161	20	0.07
		<<Vein: 0 - 10.7: 1% Quartz / 8% Quartz-Carbonate>>	8.00	9.00	1.00	411906	0.018	0.5	175	39	0.39
		<<Struc: 0 - 10.7: moderate Fractured 55 deg. / weak Slickens 45 deg. >>	9.00	10.00	1.00	411907	0.011	0.3	209	9	0.38
			10.00	11.00	1.00	411908	0.01	0.1	140	17	0.15
<b>10.70</b>	<b>30.00</b>	<b>MV Mafic Volcanics</b>									
		green									
		FMG									
		Light grey green - reduced QZ and increased CL with increased QC stringers. Local concentrations of sulphides in QC foliations.	17.00	18.00	1.00	411909	0.021	0.3	166	15	0.12
		<<Min: 17.4 - 20.4: 6% pyrite / 3% pyrrhotite>>	18.00	19.00	1.00	411911	0.021	1.3	334	10	0.88
		<<Min: 27.5 - 29.5: 3% pyrite / 1% pyrrhotite>>	19.00	20.00	1.00	411912	0.0025	0.1	23	6	0.01
		<<Alt: 10.7 - 30: moderate to strong Chlorite / moderate to strong Quartz-Carbonate>>	20.00	21.00	1.00	411913	0.006	0.1	61	12	0.04
		<<Vein: 10.7 - 30: 3% Quartz-Carbonate / 6% Quartz-Carbonate>>	21.00	22.00	1.00	411914	0.0025	0.1	74	13	0.02
		<<Struc: 10.7 - 30: moderate Slickens 25 deg. / moderate Fractured 50 deg. >>	22.00	23.00	1.00	411915	0.0025	0.3	60	4	0.03
			23.00	24.00	1.00	411917	0.0025	0.1	11	22	0.04
			24.00	25.00	1.00	411918	0.017	0.1	78	20	0.03
			25.00	26.00	1.00	411919	0.016	0.4	134	16	0.22
			26.00	27.00	1.00	411921	0.015	0.3	59	23	0.05
			27.00	28.00	1.00	411922	0.0025	0.1	44	14	0.14
			28.00	29.00	1.00	411923	0.013	0.1	108	4	0.05
			29.00	30.00	1.00	411924	0.018	0.1	144	5	0.06
			35.00	36.00	1.00	411925	0.012	0.1	114	3	0.05
<b>30.00</b>	<b>44.00</b>	<b>MV Mafic Volcanics</b>									
		green									
		FMG									
		MV with two small sections of QFP. QFP at 40.10 - 40.30 and 41.30 - 41.75 m.	36.00	37.00	1.00	411926	0.007	0.1	70	3	0.08
		<<Min: 35.6 - 37: 2% pyrite / 1% pyrrhotite>>	42.00	43.00	1.00	411927	0.007	0.3	87	23	0.24
		<<Min: 43.5 - 44: 3% pyrite / 2% pyrrhotite>>	43.00	44.00	1.00	411928	0.019	0.3	132	939	0.52
		<<Alt: 30 - 44: moderate to strong Chlorite / weak to moderate Quartz-Carbonate>>									
		<<Vein: 30 - 44: 4% Quartz-Carbonate / 1% Quartz-Carbonate>>									
		<<Struc: 30 - 44: moderate Fractured 55 deg. / weak to moderate Slickens 35 deg. >>									
<b>44.00</b>	<b>51.00</b>	<b>MV Mafic Volcanics</b>									
		light brown									
		FG									
		Intensified Bi-QC-Chl alteration and loaded with sulphides.	44.00	45.00	1.00	411929	0.824	1.1	140	1110	1.23



Hole: **LM21-24**

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best gpt	Ag Best ppm	Cu Best ppm	As ICP ppm	S ICP pct
<<Min: 44 - 51: 12% pyrite / 10% pyrrhotite / 1% molybdenite>>			45.00	46.00	1.00	411931	2.94	2.3	69	2690	2.25
<<Alt: 44 - 51: intense Biotite / weak to moderate Chlorite / moderate to strong Quartz-Carbonate>>			46.00	47.00	1.00	411932	1.38	1.3	101	316	2.28
<<Vein: 44 - 51: 20% Quartz-Carbonate / 1% Quartz>>			47.00	48.00	1.00	411933	1.01	4.8	488	25	1.45
<<Struc: 44 - 51: weak to moderate Slickens 45 deg. / weak to moderate Fractured 30 deg. >>			48.00	49.00	1.00	411934	0.267	6.7	1590	20	1.91
			49.00	50.00	1.00	411935	0.084	11	2990	74	2.92
			50.00	51.00	1.00	411937	0.031	1	470	17	0.46
<b>51.00</b>	<b>73.00</b>	<b>MV Mafic Volcanics</b>	<b>green</b>	<b>FG</b>							
Local QC-Bi bands and stringers with fcg Po-Py in them.			56.00	57.00	1.00	411938	0.021	0.1	71	33	0.15
<<Min: 51 - 73: 1% pyrrhotite / 1% pyrite>> sulphides concentrating in the QC-Bi bandings and stringers.			57.00	58.00	1.00	411939	0.02	0.3	114	17	0.69
<<Alt: 51 - 73: weak Chlorite / weak Biotite>>			58.00	59.00	1.00	411941	0.031	0.4	268	28	1.35
<<Vein: 51 - 73: 5% Quartz-Carbonate / 2% Quartz>>			59.00	60.00	1.00	411942	0.485	0.3	54	41	0.11
<<Struc: 51 - 73: moderate Fractured 45 deg. / weak Slickens 30 deg. >>			60.00	61.00	1.00	411943	0.801	0.1	67	26	0.22
			61.00	62.00	1.00	411944	2.89	0.3	172	1100	1.27
			62.00	63.00	1.00	411945	0.096	0.1	146	21	0.7
			63.00	64.00	1.00	411946	0.222	0.3	119	71	0.26
			64.00	65.00	1.00	411947	0.034	0.3	111	75	0.17
			65.00	66.00	1.00	411948	0.06	0.3	156	397	1.17
			66.00	67.00	1.00	411949	0.013	0.1	67	62	0.09
			67.00	68.00	1.00	411951	0.281	0.3	109	402	0.56
			68.00	69.00	1.00	411952	0.017	0.1	95	12	0.57
			69.00	70.00	1.00	411953	0.016	0.4	162	11	0.24
			70.00	71.00	1.00	411954	0.023	0.3	132	8	0.7
			71.00	72.00	1.00	411955	0.008	0.2	68	6	0.1
			72.00	73.00	1.00	411957	0.017	0.2	91	19	0.14
<b>73.00</b>	<b>77.00</b>	<b>MV Mafic Volcanics</b>	<b>light brown</b>	<b>FG</b>							
Siliceous. Strong Bi-QC-Chl alterations with Py-Po in them.			73.00	74.00	1.00	411958	0.02	0.6	131	209	1.56
<<Min: 73 - 77: 5% pyrrhotite / 5% pyrite>>			74.00	75.00	1.00	411959	0.01	0.3	79	36	0.85
<<Alt: 73 - 77: moderate to strong Quartz / moderate to strong Biotite / weak Chlorite >>			75.00	76.00	1.00	411961	0.017	0.6	103	134	1.41
<<Vein: 73 - 77: 5% Quartz / 3% Quartz-Carbonate>>			76.00	77.00	1.00	411962	0.011	0.4	76	5	0.59

Hole: LM21-24

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best gpt	Ag Best ppm	Cu Best ppm	As ICP ppm	S ICP pct	
<<Struc: 73 - 77: moderate to strong Fractured 45 deg. / weak Slickens 20 deg. >>												
<b>77.00</b>	<b>81.00</b>	<b>FP Feldspar Porphyry (Felsic Intrusive)</b>	<b>light grey</b>			<b>FCG</b>						
Light bluish greyish white - highly siliceous with marbling texture. <<Alt: 77 - 81: intense Quartz>> <<Vein: 77 - 81: 2% Quartz / 0.5% Quartz-Carbonate>> <<Struc: 77 - 81: weak Slickens 25 deg. / moderate Fractured 45 deg. >>												
<b>81.00</b>	<b>85.60</b>	<b>MV Mafic Volcanics</b>	<b>green</b>			<b>FG</b>						
Local Bi-QC-CI bands with Po-Py. <<Min: 81 - 85: 3% pyrite / 2% pyrrhotite>> <<Alt: 81 - 85.6: moderate Chlorite / weak to moderate Biotite>> <<Vein: 81 - 85.6: 3% Quartz / 3% Quartz-Carbonate / 1% Quartz-Carbonate>> <<Struc: 81 - 85.6: moderate Fractured 40 deg. / weak Slickens>>												
<b>81.00</b>	<b>82.00</b>			<b>82.00</b>	<b>83.00</b>	1.00	411963	0.017	0.4	84	11	0.28
				<b>82.00</b>	<b>83.00</b>	1.00	411964	0.683	0.9	86	14	1.18
				<b>83.00</b>	<b>84.00</b>	1.00	411965	0.025	0.3	63	8	0.36
				<b>84.00</b>	<b>85.00</b>	1.00	411966	0.007	0.4	99	1	0.28
<b>85.60</b>	<b>92.50</b>	<b>FP Feldspar Porphyry (Felsic Intrusive)</b>	<b>light grey</b>			<b>FCG</b>						
Mixtures of small FP and altered MV <<Min: 85.6 - 92.5: 5% pyrite / 3% pyrrhotite>> <<Alt: 85.6 - 92.5: moderate Chlorite / weak to moderate Biotite / moderate to strong Quartz-Carbonate>> <<Vein: 85.6 - 92.5: 5% Quartz / 10% Quartz-Carbonate>> <<Struc: 85.6 - 92.5: moderate Fractured 40 deg. / weak Slickens 15 deg. >>												
<b>85.60</b>	<b>88.00</b>			<b>88.00</b>	<b>89.00</b>	1.00	411967	0.273	0.9	37	8	0.82
				<b>89.00</b>	<b>90.00</b>	1.00	411968	0.992	1.4	107	8	1.37
				<b>90.00</b>	<b>91.00</b>	1.00	411969	0.079	0.6	54	7	1.79
				<b>91.00</b>	<b>92.00</b>	1.00	411971	0.06	0.2	33	4	0.05
<b>92.50</b>	<b>97.00</b>	<b>MV Mafic Volcanics</b>	<b>green</b>			<b>MCG</b>						
<<Min: 95 - 96: 2% pyrrhotite / 1% pyrite>> <<Alt: 92.5 - 97: moderate to strong Amphibole / weak Chlorite >> <<Vein: 92.5 - 97: 2% Quartz>> <<Struc: 92.5 - 97: moderate Fractured 40 deg. / weak Slickens 60 deg. >>												
<b>92.50</b>	<b>95.00</b>			<b>95.00</b>	<b>96.00</b>	1.00	411972	0.016	0.3	58	4	0.14
<b>97.00</b>	<b>102.30</b>	<b>QFPO Quartz Feldspar Porphyry</b>	<b>light grey</b>			<b>FCG</b>						
Light greyish white colour with white and pink Feldspar phenocrysts throughout. 99.40 -100.40 m = MV												

Hole: LM21-24

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best gpt	Ag Best ppm	Cu Best ppm	As ICP ppm	S ICP pct
<<Min: 101.5 - 101.65: 1% pyrite>> <<Alt: 97 - 102.3: weak Biotite / weak Chlorite >> <<Vein: 97 - 102.3: 1% Quartz>> <<Struc: 97 - 102.3: moderate Fractured 40 deg. / weak to moderate Fractured 10 deg. >>											
<b>102.30</b>	<b>106.70</b>	<b>MV Mafic Volcanics</b>	<b>green</b>	<b>FG</b>							
<<Min: 105 - 106: 3% pyrite / 2% pyrrhotite>> <<Alt: 102.3 - 106.7: weak to moderate Chlorite >> <<Vein: 102.3 - 106.7: 3% Quartz / 1% Quartz-Carbonate / 3% Quartz-Kspar>> <<Struc: 102.3 - 106.7: moderate Fractured 50 deg. / weak to moderate Fractured 15 deg. >> 102.13 -103.12 m = sheared.											
<b>106.70</b>	<b>109.00</b>	<b>QFPO Quartz Feldspar Porphyry</b>	<b>pink</b>	<b>FCG</b>							
<<Min: 106.7 - 109: 1% pyrite>> <<Alt: 106.7 - 109: weak Chlorite / weak Amphibole>> <<Vein: 106.7 - 109: 1% Quartz / 1% Quartz-Carbonate>> <<Struc: 106.7 - 109: weak to moderate Fractured 20 deg. / moderate Fractured 45 deg. >>											
<b>109.00</b>	<b>111.92</b>	<b>MV Mafic Volcanics</b>	<b>green</b>	<b>FG</b>							
<<Min: 111.4 - 111.8: 10% pyrite / 5% pyrrhotite>> <<Alt: 109 - 111.92: weak to moderate Biotite / weak to moderate Chlorite >> <<Vein: 109 - 111.92: 1% Quartz / 10% Quartz-Carbonate>> <<Struc: 109 - 111.92: moderate Fractured 60 deg. / weak to moderate Slickens 30 deg. >>											
<b>111.92</b>	<b>117.00</b>	<b>MV Mafic Volcanics</b>	<b>light grey</b>	<b>FG</b>							
<<Min: 111.92 - 117: 0.5% pyrite>> <<Alt: 111.92 - 117: strong Quartz / strong Potassium feldspar>> <<Vein: 111.92 - 117: 20% Quartz>> <<Struc: 111.92 - 117: moderate Fault gouge 50 deg. / weak to moderate Fractured 40 deg. >>											
<b>117.00</b>	<b>146.10</b>	<b>MV Mafic Volcanics</b>	<b>light grey</b>	<b>FG</b>							
Alt-MV with varying types and intensities of alteration and mineralization throughout the unit. Local Breccia zones; shear zones and FG. <<Min: 122.5 - 123.5: 10% pyrite / 10% pyrrhotite>>											

Hole: **LM21-24**

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best gpt	Ag Best ppm	Cu Best ppm	As ICP ppm	S ICP pct			
<<Min: 126.5 - 129.5: 8% pyrrhotite / 3% pyrite>>			123.50	124.50	1.00	411985	0.94	2.4	125	14	0.88			
<<Min: 129.5 - 138.5: 2% pyrrhotite / 1% pyrite>>			124.50	125.50	1.00	411986	0.023	0.8	131	10	0.26			
<<Alt: 117 - 146.1: weak to moderate Quartz / moderate Chlorite / weak Biotite>>			125.50	126.50	1.00	411987	0.088	1.6	78	5	0.67			
<<Vein: 117 - 146.1: 1% Quartz / 15% Quartz-Carbonate>>			126.50	127.50	1.00	411988	0.19	3.6	266	6	2.94			
			127.50	128.50	1.00	411989	0.333	5.5	432	7	2.71			
			128.50	129.50	1.00	411991	0.096	2.6	128	3	1.19			
			129.50	130.50	1.00	411992	0.078	2	162	1	0.66			
			130.50	131.50	1.00	411993	0.06	2.3	156	1	0.68			
			131.50	132.50	1.00	411994	0.086	3.3	173	5	1.71			
			132.50	133.50	1.00	411995	0.096	2.3	135	3	1.15			
			133.50	134.50	1.00	411997	0.064	1.5	116	4	0.91			
			134.50	135.50	1.00	411998	0.082	1.7	124	5	0.41			
			135.50	136.50	1.00	411999	0.048	2	118	8	0.94			
			136.50	137.50	1.00	412101	0.034	1.8	126	3	0.53			
			137.50	138.50	1.00	412102	0.033	2.5	144	6	0.57			
<b>146.10</b>	<b>148.70</b>	<b>FP</b>	<b>Feldspar Porphyry (Felsic Intrusive)</b>	<b>light grey</b>	<b>FCG</b>									
<<Alt: 146.1 - 148.7: moderate to strong Potassium feldspar>>														
<<Struc: 146.1 - 148.7: weak Slickens 10 deg. / weak to moderate Fractured 30 deg. >>														
<b>148.70</b>	<b>154.20</b>	<b>MV</b>	<b>Mafic Volcanics</b>	<b>light grey</b>	<b>FG</b>									
<<Min: 148.7 - 154.2: 15% pyrite / 5% pyrrhotite>>														
<<Alt: 148.7 - 154.2: weak to moderate Quartz / weak to moderate Chlorite >>														
<<Vein: 148.7 - 154.2: 15% Quartz-Carbonate / 15% Chlorite-Sulphides>>														
<<Struc: 151.68 - 151.75: moderate Brecciated 55 deg. >>														
<<Struc: 151.75 - 151.85: intense Fault gouge 50 deg. >>														
<<Struc: 151.85 - 152.55: moderate to strong Brecciated 55 deg. >>														
<<Struc: 152.55 - 154.2: moderate to strong Fractured 50 deg. / weak Slickens 10 deg. >>														
<b>154.20</b>	<b>160.60</b>	<b>MV</b>	<b>Mafic Volcanics</b>	<b>green</b>	<b>FCG</b>									
						148.70	149.70	1.00	412103	3.1	4.9	125	9020	3.41
						149.70	150.70	1.00	412104	2.08	3.1	185	89	4.42
						150.70	151.70	1.00	412105	0.893	3.1	71	217	6.34
						151.70	152.70	1.00	412106	0.141	3.4	92	33	1.22
						152.70	153.70	1.00	412107	0.024	0.7	116	13	0.32
						153.70	154.20	0.50	412108	0.012	0.3	81	5	0.18

Hole: LM21-24

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best gpt	Ag Best ppm	Cu Best ppm	As ICP ppm	S ICP pct
<<Min: 154.2 - 160.6: 1% pyrite>> <<Alt: 154.2 - 160.6: moderate to strong Amphibole>> <<Vein: 154.2 - 160.6: 0.5% Quartz / 10% Quartz-Carbonate>> <<Struc: 154.2 - 160.6: moderate Slickens 30 deg. / moderate Fractured 64 deg. >>											
<b>160.60</b>	<b>164.65</b>	<b>FP</b> <b>Feldspar Porphyry (Felsic Intrusive)</b>									
<<Alt: 160.6 - 164.65: moderate to strong Potassium feldspar>> <<Vein: 160.6 - 164.65: 1% Quartz-Carbonate>> <<Struc: 160.6 - 164.65: weak to moderate Fractured 40 deg. / weak to moderate Fractured 50 deg. >>											
<b>164.65</b>	<b>169.70</b>	<b>MV</b> <b>Mafic Volcanics</b>									
<<Alt: 164.65 - 169.7: strong Amphibole>> <<Vein: 164.65 - 169.7: 1% Quartz / 3% Quartz-Carbonate>> <<Struc: 164.65 - 169.7: moderate Fractured 40 deg. / weak Fractured 10 deg. >>											
<b>169.70</b>	<b>181.55</b>	<b>FP</b> <b>Feldspar Porphyry (Felsic Intrusive)</b>									
<<Min: 169.7 - 181.55: 1% pyrite>> <<Alt: 169.7 - 181.55: moderate to strong Potassium feldspar>> <<Vein: 169.7 - 181.55: 2% Quartz>> <<Struc: 169.7 - 181.55: weak Fractured 20 deg. / moderate Fractured 65 deg. >>											
<b>181.55</b>	<b>191.00</b>	<b>MV</b> <b>Mafic Volcanics</b>									
EOH @ 191.00 m <<Min: 181.55 - 191: 0.5% pyrite>> <<Alt: 181.55 - 191: moderate Chlorite / moderate to strong Plagioclase>> <<Vein: 181.55 - 191: 0.5% Quartz / 1% Quartz-Carbonate>> <<Struc: 181.55 - 191: weak to moderate Slickens 40 deg. / moderate to strong Fractured 55 deg. >>											

End of Hole @ 191

**Project:** Lingman Lake mine

**Hole:** LM21-25

<b>Target:</b>	North Zone	<b>Survey Type:</b>	DGPS	<b>Logged By:</b>	J Wong	<b>Hole Type:</b>	DD
<b>UTM Grid:</b>	NAD83_Z15	<b>Survey By:</b>	M Cardinal	<b>Date Started:</b>	2021-10-08	<b>Hole Diameter:</b>	7.57
<b>UTM East:</b>	507294.77	<b>Azimuth:</b>	357.82	<b>Date Completed:</b>	2021-10-23	<b>Core Size:</b>	NQ
<b>UTM North:</b>	5968706.609	<b>Dip:</b>	-48.554	<b>Drill Company:</b>	Mike	<b>Casing Pulled?:</b>	<input type="checkbox"/>
<b>UTM Elevation (m):</b>	278.922	<b>Length (m):</b>	197	<b>Drill Rig:</b>	Rig1	<b>Casing Depth (m):</b>	
<b>Local Grid:</b>		<b>NTS:</b>	53F15	<b>Drill Started:</b>	2021-10-08	<b>Reduced (m):</b>	
<b>Local East:</b>		<b>Township:</b>	Lingman Lake Area	<b>Drill Completed:</b>	2021-10-23	<b>Reduced Size:</b>	
<b>Local North:</b>		<b>Claim No.:</b>	PAT-40607			<b>Oriented?:</b>	<input type="checkbox"/>
<b>Local Elevation (m):</b>		<b>Comments:</b>	James Wong - geologist logged top of hole 6.4m to 52.2m during Oct 8 to Oct 13, 2021 and John S/M.Cardinal. took over on Oct 13, 2021 but no core until Oct 15.				
<b>Hole Status:</b>	Completed						
<b>Hole Purpose:</b>	EXPL						

Depth (m)	Survey Method	Survey By	Date Surveyed	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Mag. Field	Accept Values?	Comments
0	DeviGyro	Scott	2021-10-23	-48.113	357.8198	0	357.8198		<input checked="" type="checkbox"/>	
5	DeviGyro	Scott	2021-10-23	-48.3755	358.3177	0	358.3177		<input checked="" type="checkbox"/>	
10	DeviGyro	Scott	2021-10-23	-48.3243	358.5307	0	358.5307		<input checked="" type="checkbox"/>	
15	DeviGyro	Scott	2021-10-23	-48.302	358.3868	0	358.3868		<input checked="" type="checkbox"/>	
20	DeviGyro	Scott	2021-10-23	-48.1617	358.4669	0	358.4669		<input checked="" type="checkbox"/>	
25	DeviGyro	Scott	2021-10-23	-48.0789	358.5477	0	358.5477		<input checked="" type="checkbox"/>	
30	DeviGyro	Scott	2021-10-23	-48.0459	358.6192	0	358.6192		<input checked="" type="checkbox"/>	
35	DeviGyro	Scott	2021-10-23	-47.8986	358.72	0	358.72		<input checked="" type="checkbox"/>	
40	DeviGyro	Scott	2021-10-23	-47.8038	358.6336	0	358.6336		<input checked="" type="checkbox"/>	
45	DeviGyro	Scott	2021-10-23	-47.8038	358.8581	0	358.8581		<input checked="" type="checkbox"/>	

Hole: LM21-25

Depth (m)	Survey Method	Survey By	Date Surveyed	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Mag. Field	Accept Values?	Comments
50	DeviGyro	Scott	2021-10-23	-47.6592	358.9549	0	358.9549		<input checked="" type="checkbox"/>	
55	DeviGyro	Scott	2021-10-23	-47.5977	359.0783	0	359.0783		<input checked="" type="checkbox"/>	
60	DeviGyro	Scott	2021-10-23	-47.626	359.0592	0	359.0592		<input checked="" type="checkbox"/>	
65	DeviGyro	Scott	2021-10-23	-47.6063	359.2246	0	359.2246		<input checked="" type="checkbox"/>	
70	DeviGyro	Scott	2021-10-23	-47.4303	359.2842	0	359.2842		<input checked="" type="checkbox"/>	
75	DeviGyro	Scott	2021-10-23	-47.4248	359.5243	0	359.5243		<input checked="" type="checkbox"/>	
80	DeviGyro	Scott	2021-10-23	-47.2843	359.5601	0	359.5601		<input checked="" type="checkbox"/>	
85	DeviGyro	Scott	2021-10-23	-47.0707	359.6894	0	359.6894		<input checked="" type="checkbox"/>	
90	DeviGyro	Scott	2021-10-23	-46.9919	359.7403	0	359.7403		<input checked="" type="checkbox"/>	
95	DeviGyro	Scott	2021-10-23	-46.7254	359.6876	0	359.6876		<input checked="" type="checkbox"/>	
100	DeviGyro	Scott	2021-10-23	-46.6337	359.8386	0	359.8386		<input checked="" type="checkbox"/>	
105	DeviGyro	Scott	2021-10-23	-46.5813	359.823	0	359.823		<input checked="" type="checkbox"/>	
110	DeviGyro	Scott	2021-10-23	-46.4681	359.8896	0	359.8896		<input checked="" type="checkbox"/>	
115	DeviGyro	Scott	2021-10-23	-46.5476	0.0814	0	0.0814		<input checked="" type="checkbox"/>	
120	DeviGyro	Scott	2021-10-23	-46.7343	0.2094	0	0.2094		<input checked="" type="checkbox"/>	
125	DeviGyro	Scott	2021-10-23	-46.5526	0.3911	0	0.3911		<input checked="" type="checkbox"/>	
130	DeviGyro	Scott	2021-10-23	-46.5518	0.5398	0	0.5398		<input checked="" type="checkbox"/>	
135	DeviGyro	Scott	2021-10-23	-46.5906	0.6197	0	0.6197		<input checked="" type="checkbox"/>	
140	DeviGyro	Scott	2021-10-23	-46.4171	0.7508	0	0.7508		<input checked="" type="checkbox"/>	
145	DeviGyro	Scott	2021-10-23	-46.2635	0.7953	0	0.7953		<input checked="" type="checkbox"/>	
150	DeviGyro	Scott	2021-10-23	-46.2893	0.8535	0	0.8535		<input checked="" type="checkbox"/>	
155	DeviGyro	Scott	2021-10-23	-46.1844	0.962	0	0.962		<input checked="" type="checkbox"/>	
160	DeviGyro	Scott	2021-10-23	-46.2104	1.0841	0	1.0841		<input checked="" type="checkbox"/>	

Hole: LM21-25

Depth (m)	Survey Method	Survey By	Date Surveyed	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Mag. Field	Accept Values?	Comments
165	DeviGyro	Scott	2021-10-23	-46.2222	1.1399	0	1.1399		<input checked="" type="checkbox"/>	
170	DeviGyro	Scott	2021-10-23	-46.0942	1.287	0	1.287		<input checked="" type="checkbox"/>	
175	DeviGyro	Scott	2021-10-23	-46.0638	1.3297	0	1.3297		<input checked="" type="checkbox"/>	
180	DeviGyro	Scott	2021-10-23	-46.0192	1.3746	0	1.3746		<input checked="" type="checkbox"/>	
185	DeviGyro	Scott	2021-10-23	-45.8485	1.5781	0	1.5781		<input checked="" type="checkbox"/>	
190	DeviGyro	Scott	2021-10-23	-45.7548	1.6883	0	1.6883		<input checked="" type="checkbox"/>	
193.25	DeviGyro	Scott	2021-10-23	-45.7825	1.9009	0	1.9009		<input checked="" type="checkbox"/>	



Hole: LM21-25

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best gpt	Ag Best ppm	Cu Best ppm	As ICP ppm	S ICP pct
<b>0.00</b>	<b>6.10</b>	<b>CAS Casing</b>									
20 feet of CASING.											
<b>6.10</b>	<b>6.30</b>	<b>QFPO Quartz Feldspar Porphyry</b>	<b>pink</b>			<b>FCG</b>					
Broken core.											
<b>6.30</b>	<b>12.10</b>	<b>MV Mafic Volcanics</b>	<b>light grey</b>								
Light grey green.											
<<Min: 6.3 - 12.1: 1% pyrite>>											
<<Alt: 6.3 - 12.1: weak to moderate Quartz>>											
<<Vein: 6.3 - 12.1: 0.5% Quartz / 1% Quartz-Carbonate / 1% Quartz-Carbonate>>											
<<Struc: 6.3 - 12.1: weak to moderate Fractured 50 deg. / weak to moderate Slickens 40 deg. >>											
<b>12.10</b>	<b>18.75</b>	<b>FP Feldspar Porphyry (Felsic Intrusive)</b>	<b>green</b>			<b>FCG</b>					
<<Min: 12.1 - 18.75: 0.5% pyrite>>											
<<Alt: 12.1 - 18.75: moderate Quartz / weak Chlorite >>											
<<Vein: 12.1 - 18.75: 1% Quartz / 1% Quartz-Carbonate>>											
<<Struc: 12.1 - 18.75: weak to moderate Fractured 50 deg. / weak Slickens 20 deg. >>											
<b>18.75</b>	<b>25.90</b>	<b>MV Mafic Volcanics</b>	<b>green</b>			<b>FG</b>					
<<Min: 18.75 - 25.9: 1% pyrite>>											
<<Alt: 18.75 - 25.9: moderate Chlorite >>											
<<Vein: 18.75 - 25.9: 1% Quartz / 2% Quartz-Carbonate>>											
<<Struc: 18.75 - 25.9: moderate to strong Slickens 20 deg. / moderate Fractured 50 deg. >>											
<b>25.90</b>	<b>26.70</b>	<b>FP Feldspar Porphyry (Felsic Intrusive)</b>	<b>white</b>			<b>FCG</b>					
<<Min: 25.9 - 26.7: 0.5% pyrrhotite>>											
<<Alt: 25.9 - 26.7: weak to moderate Chlorite >>											
<<Vein: 25.9 - 26.7: 1% Chlorite / 1% Chlorite>>											
<<Struc: 25.9 - 26.7: weak Fractured 85 deg. >>											
<b>26.70</b>	<b>37.50</b>	<b>MV Mafic Volcanics</b>	<b>green</b>			<b>FG</b>					
MV with 27.20 - 27.50 m = QFP and other busted small QFPO veins and veinlets.											

Hole: LM21-25

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best gpt	Ag Best ppm	Cu Best ppm	As ICP ppm	S ICP pct
<<Min: 26.7 - 37.5: 0.05% pyrrhotite>> <<Alt: 26.7 - 37.5: moderate Chlorite >> <<Vein: 26.7 - 37.5: 3% Quartz / 2% Quartz-Carbonate / 1% Quartz-Carbonate>> <<Struc: 26.7 - 37.5: moderate Fractured 45 deg. / weak Slickens 10 deg. >>											
<b>37.50</b>	<b>53.00</b>	<b>MV Mafic Volcanics</b>	<b>light grey</b>			<b>FG</b>					
Altered MV stronger alteration plus higher concentrations of PO-PY at various sections throughout the unit. 38.05 - 38.24 M = QV.											
Mr. Wong logged the core up until this point. <<Min: 37.5 - 46.17: 1% pyrite / 0.5% pyrrhotite>> <<Min: 46.17 - 46.47: 6% pyrite / 6% pyrrhotite>> <<Min: 46.47 - 48.7: 3% pyrite / 2% pyrrhotite>> <<Min: 48.7 - 49.5: 10% pyrrhotite / 5% pyrite>> <<Min: 49.5 - 50.75: 1% pyrite>> <<Min: 50.75 - 51.6: 15% pyrrhotite / 6% pyrite>> <<Min: 51.6 - 53: 0.5% pyrite>> <<Alt: 37.5 - 53: moderate Quartz / weak to moderate Chlorite >> <<Vein: 37.5 - 53: 2% Quartz / 1% Quartz / 3% Quartz-Carbonate / 1% Quartz-Carbonate>>											
			38.00	39.00	1.00	412109	0.013	0.3	55	9	0.16
			39.00	40.00	1.00	412111	0.019	0.1	29	8	0.07
			40.00	41.00	1.00	412112	0.016	1.4	39	40	0.06
			41.00	42.00	1.00	412113	0.02	0.5	127	20	0.17
			42.00	43.00	1.00	412114	0.016	0.5	175	36	0.31
			43.00	44.00	1.00	412115	0.02	0.6	134	62	0.21
			44.00	45.00	1.00	412117	0.014	0.7	155	801	0.67
			45.00	46.00	1.00	412118	0.714	2.8	161	953	1.57
			46.00	47.00	1.00	412119	2.82	4.2	222	2070	2.83
			47.00	48.00	1.00	412121	0.045	1.7	118	61	0.85
			48.00	49.00	1.00	412122	0.052	1.1	60	843	0.27
			49.00	50.00	1.00	412123	3.23	45.5	285	3760	2.54
			50.00	51.00	1.00	412124	2.85	4.9	131	1230	1.55
			51.00	52.00	1.00	412125	3.88	4.1	102	860	0.92
			52.00	53.00	1.00	412126	0.031	1.5	124	42	0.22
			53.00	54.00	1.00	412127	0.085	1.8	193	2700	0.6
			54.00	55.00	1.00	412128	0.024	0.7	109	52	0.41
			55.00	56.00	1.00	412129	1.76	2.3	155	739	0.87
			56.00	57.00	1.00	412131	9.81	7.8	100	10000	2.03
<b>53.00</b>	<b>57.13</b>	<b>MV Mafic Volcanics</b>									
Per previous section by Mr. Wong.											

Hole: LM21-25

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best gpt	Ag Best ppm	Cu Best ppm	As ICP ppm	S ICP pct
<b>57.13</b>	<b>62.92</b>	<b>MV Mafic Volcanics</b>									
<p>"False Leopard Rock"            A few patches or stretched patches of plagioclase phenocrysts at 40° TCA.</p>											
<b>62.92</b>	<b>73.00</b>	<b>MV Mafic Volcanics</b>									
<p>grey FMG            Weekly banded with local silicified ± carbonate brecciated sections, for example, 66.52 to 67.92 m with PY and PO, and at 68.11, 68.60, 69.24, 70.72 m.</p>											
			63.00	64.00	1.00	412132	0.019	0.4	98	41	1.18
			64.00	65.00	1.00	412133	0.023	0.5	104	19	0.24
			65.00	66.00	1.00	412134	0.0025	0.8	144	23	0.82
			66.00	67.00	1.00	412135	0.065	0.6	90	65	1.69
			71.00	72.00	1.00	412137	0.006	0.3	133	6	0.35
			72.00	73.00	1.00	412138	0.591	0.5	111	7	1.6
			73.00	74.00	1.00	412139	1.57	0.9	96	2040	1.49
<b>73.00</b>	<b>86.12</b>	<b>QFPO Quartz Feldspar Porphyry</b>									
<p>intermixed mafic volcanic material            moderately banded throughout            occasional PY band</p>											
			78.00	79.00	1.00	412141	0.018	0.3	122	14	0.34
			79.00	80.00	1.00	412142	0.712	0.4	79	76	1.42
			85.00	86.00	1.00	412143	0.015	0.3	61	33	0.05
			86.00	87.00	1.00	412144	3.37	0.6	34	3750	0.78
			87.00	88.00	1.00	412145	1.93	0.6	55	3230	0.71
<b>86.12</b>	<b>104.70</b>	<b>MV Mafic Volcanics</b>									
<p>local PY without much PO            tuffaceous appearance (especially 93.88 m to 98.00 m) but possibly sections of sheared intrusive material</p>											
			88.00	89.00	1.00	412146	0.01	0.1	12	12	0.07
			89.00	90.00	1.00	412147	0.057	0.4	42	42	0.36
			90.00	91.00	1.00	412148	0.047	0.3	15	9	0.26
			91.00	92.00	1.00	412149	0.013	0.1	15	8	0.19
			92.00	93.00	1.00	412151	0.096	0.2	17	15	0.58
			93.00	94.00	1.00	412152	7.1	3.6	39	123	2.62
			94.00	95.00	1.00	412153	6.84	4.5	44	80	1.85
			95.00	96.00	1.00	412154	0.016	0.4	7	40	0.07
			96.00	97.00	1.00	412155	0.008	0.3	4	27	0.11

Hole: LM21-25

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best gpt	Ag Best ppm	Cu Best ppm	As ICP ppm	S ICP pct
			97.00	98.00	1.00	412157	0.008	0.2	5	10	0.11
			98.00	99.00	1.00	412158	0.013	0.3	3	19	0.1
			99.00	100.00	1.00	412159	0.013	0.4	37	9	0.12
			100.00	101.00	1.00	412161	0.552	0.7	47	15	0.36
			101.00	102.00	1.00	412162	0.439	0.7	27	84	1.91
			102.00	103.00	1.00	412163	1.43	0.9	43	152	2.73
			103.00	104.00	1.00	412164	0.012	0.1	15	4	0.03
			104.00	105.00	1.00	412165	0.007	0.1	11	3	0.07
			114.00	115.00	1.00	412166	0.025	0.6	74	3	0.76
<b>104.70</b>	<b>141.26</b>	<b>QFPO Quartz Feldspar Porphyry</b>									
		<b>pink</b>									
<p>mainly porphyritic intrusive with massive granitic intrusives          lesser portions of mafic volcanic (inclusions or intercalations)          occasional brecciated zone with chloritic infill</p>											
			141.00	142.00	1.00	412167	0.035	1	96	3	0.92
			142.00	143.00	1.00	412168	0.015	0.7	84	1	0.59
<b>141.26</b>	<b>154.21</b>	<b>MV Mafic Volcanics</b>									
<p>NORTH ZONE          strongly banded or sheared at 70 degrees to 80 degrees TCA          contorted CL +/- CA breccia between 143.00 m and 143.25 m          some interstitial PY - PO from upper contact to 143.00 m and between 150.40 m and 152.62 m          fault gouge @ 153.39 m          minor MVp near upper contact</p>											
			143.00	144.00	1.00	412169	0.017	0.3	51	3	0.09
			144.00	145.00	1.00	412171	0.01	0.3	87	8	0.04
			145.00	146.00	1.00	412172	0.0025	0.3	30	10	0.005
			146.00	147.00	1.00	412173	0.011	0.6	191	6	0.22
			147.00	148.00	1.00	412174	0.024	0.9	537	45	0.13
			148.00	149.00	1.00	412175	0.01	0.4	163	41	0.16
			149.00	150.00	1.00	412177	0.028	0.5	85	17	0.28
			150.00	151.00	1.00	412178	3.79	3.1	142	22	1.04
			151.00	152.00	1.00	412179	0.392	4.1	182	14	2.22
			152.00	153.00	1.00	412181	0.813	2.9	89	23	1.27
			153.00	154.00	1.00	412182	0.343	2.4	56	35	1.69

Hole: LM21-25

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best gpt	Ag Best ppm	Cu Best ppm	As ICP ppm	S ICP pct
154.21	176.32	<b>MV Mafic Volcanics</b> rare large feldspar phenocrysts possibly pillowed	154.00	155.00	1.00	412183	0.007	0.3	56	3	0.21
176.32	196.14	<b>MV Mafic Volcanics</b> massive a few lighter coloured, bleached sections									
196.14	197.00	<b>LEP Leopard Rock</b> EOH @ 197 m									
<b>End of Hole @ 197</b>											

**Project:** Lingman Lake mine

**Hole:** LM21-26

<b>Target:</b>	North Zone	<b>Survey Type:</b>	unknown	<b>Logged By:</b>	E Vida	<b>Hole Type:</b>	DD
<b>UTM Grid:</b>	NAD83_Z15	<b>Survey By:</b>	Unknown	<b>Date Started:</b>	2021-11-17	<b>Hole Diameter:</b>	7.57
<b>UTM East:</b>	507345	<b>Azimuth:</b>	0	<b>Date Completed:</b>	2021-11-20	<b>Core Size:</b>	NQ
<b>UTM North:</b>	5968707	<b>Dip:</b>	-47	<b>Drill Company:</b>	Mike	<b>Casing Pulled?:</b>	<input type="checkbox"/>
<b>UTM Elevation (m):</b>	279	<b>Length (m):</b>	192	<b>Drill Rig:</b>	Rig1	<b>Casing Depth (m):</b>	6
<b>Local Grid:</b>		<b>NTS:</b>	53F15	<b>Drill Started:</b>	2021-11-10	<b>Reduced (m):</b>	
<b>Local East:</b>		<b>Township:</b>	Lingman Lake Area	<b>Drill Completed:</b>	2021-11-14	<b>Reduced Size:</b>	
<b>Local North:</b>		<b>Claim No.:</b>				<b>Oriented?:</b>	<input type="checkbox"/>
<b>Local Elevation (m):</b>		<b>Comments:</b>	tne utm should be checked, not sure if resurveyed after drilling				
<b>Hole Status:</b>	Completed						
<b>Hole Purpose:</b>	EXPL						

Depth (m)	Survey Method	Survey By	Date Surveyed	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Mag. Field	Accept Values?	Comments
0	DeviGyro	J Siriunas	2021-11-15	-46.2	0	0	0		<input checked="" type="checkbox"/>	
5	DeviGyro	J Siriunas	2021-11-15	-46.5	0.4	0	0.4		<input checked="" type="checkbox"/>	
10	DeviGyro	J Siriunas	2021-11-15	-46.7	0.36	0	0.36		<input checked="" type="checkbox"/>	
15	DeviGyro	J Siriunas	2021-11-15	-46.8	0.43	0	0.43		<input checked="" type="checkbox"/>	
20	DeviGyro	J Siriunas	2021-11-15	-46.9	0.51	0	0.51		<input checked="" type="checkbox"/>	
25	DeviGyro	J Siriunas	2021-11-15	-46.8	0.55	0	0.55		<input checked="" type="checkbox"/>	
30	DeviGyro	J Siriunas	2021-11-15	-46.7	0.59	0	0.59		<input checked="" type="checkbox"/>	
35	DeviGyro	J Siriunas	2021-11-15	-46.6	0.61	0	0.61		<input checked="" type="checkbox"/>	
40	DeviGyro	J Siriunas	2021-11-15	-46.5	0.66	0	0.66		<input checked="" type="checkbox"/>	
45	DeviGyro	J Siriunas	2021-11-15	-46.5	0.7	0	0.7		<input checked="" type="checkbox"/>	

Hole: **LM21-26**

Depth (m)	Survey Method	Survey By	Date Surveyed	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Mag. Field	Accept Values?	Comments
50	DeviGyro	J Siriunas	2021-11-15	-46.4	0.68	0	0.68		<input checked="" type="checkbox"/>	
55	DeviGyro	J Siriunas	2021-11-15	-46.3	0.76	0	0.76		<input checked="" type="checkbox"/>	
60	DeviGyro	J Siriunas	2021-11-15	-46.2	0.82	0	0.82		<input checked="" type="checkbox"/>	
65	DeviGyro	J Siriunas	2021-11-15	-46.1	0.83	0	0.83		<input checked="" type="checkbox"/>	
70	DeviGyro	J Siriunas	2021-11-15	-46.1	0.9	0	0.9		<input checked="" type="checkbox"/>	
75	DeviGyro	J Siriunas	2021-11-15	-46	0.89	0	0.89		<input checked="" type="checkbox"/>	
80	DeviGyro	J Siriunas	2021-11-15	-45.9	0.87	0	0.87		<input checked="" type="checkbox"/>	
85	DeviGyro	J Siriunas	2021-11-15	-45.8	0.97	0	0.97		<input checked="" type="checkbox"/>	
90	DeviGyro	J Siriunas	2021-11-15	-45.7	0.97	0	0.97		<input checked="" type="checkbox"/>	
95	DeviGyro	J Siriunas	2021-11-15	-45.6	1.01	0	1.01		<input checked="" type="checkbox"/>	
100	DeviGyro	J Siriunas	2021-11-15	-45.5	1.08	0	1.08		<input checked="" type="checkbox"/>	
105	DeviGyro	J Siriunas	2021-11-15	-45.5	1.04	0	1.04		<input checked="" type="checkbox"/>	
110	DeviGyro	J Siriunas	2021-11-15	-45.4	1.07	0	1.07		<input checked="" type="checkbox"/>	
115	DeviGyro	J Siriunas	2021-11-15	-45.2	1.08	0	1.08		<input checked="" type="checkbox"/>	
120	DeviGyro	J Siriunas	2021-11-15	-45.1	1.08	0	1.08		<input checked="" type="checkbox"/>	
125	DeviGyro	J Siriunas	2021-11-15	-45	1.15	0	1.15		<input checked="" type="checkbox"/>	
130	DeviGyro	J Siriunas	2021-11-15	-44.9	1.14	0	1.14		<input checked="" type="checkbox"/>	
135	DeviGyro	J Siriunas	2021-11-15	-44.8	1.16	0	1.16		<input checked="" type="checkbox"/>	
140	DeviGyro	J Siriunas	2021-11-15	-44.8	1.2	0	1.2		<input checked="" type="checkbox"/>	
145	DeviGyro	J Siriunas	2021-11-15	-44.8	1.24	0	1.24		<input checked="" type="checkbox"/>	
150	DeviGyro	J Siriunas	2021-11-15	-44.9	1.28	0	1.28		<input checked="" type="checkbox"/>	
155	DeviGyro	J Siriunas	2021-11-15	-44.9	1.31	0	1.31		<input checked="" type="checkbox"/>	
160	DeviGyro	J Siriunas	2021-11-15	-44.7	1.28	0	1.28		<input checked="" type="checkbox"/>	

Hole: LM21-26

Depth (m)	Survey Method	Survey By	Date Surveyed	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Mag. Field	Accept Values?	Comments
165	DeviGyro	J Siriunas	2021-11-15	-44.8	1.32	0	1.32		<input checked="" type="checkbox"/>	
170	DeviGyro	J Siriunas	2021-11-15	-44.6	1.35	0	1.35		<input checked="" type="checkbox"/>	
175	DeviGyro	J Siriunas	2021-11-15	-44.7	1.36	0	1.36		<input checked="" type="checkbox"/>	
180	DeviGyro	J Siriunas	2021-11-15	-44.7	1.39	0	1.39		<input checked="" type="checkbox"/>	
185	DeviGyro	J Siriunas	2021-11-15	-44.6	1.48	0	1.48		<input checked="" type="checkbox"/>	
190	DeviGyro	J Siriunas	2021-11-15	-44.6	1.41	0	1.41		<input checked="" type="checkbox"/>	last record says 358.97 measured azimuth



Hole: **LM21-26**

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best gpt	Ag Best ppm	Cu Best ppm	As ICP ppm	S ICP pct
<b>0.00</b>	<b>6.00</b>	<b>CAS Casing</b>									
<<Struc: 1 - 1: weak Sheared>>											
<b>6.00</b>	<b>19.90</b>	<b>GRDR Granodiorite</b>									
			<b>light grey</b>	<b>CG</b>							
6 to 7.6 m, Grdr is bleached beige due to weathering. 12.54 to 13.52 m, Pink-grey, QFP, vfg, mylonitic SZ from 13.22 to 13.5 m, 40 deg SZ <<Min: 13.22 - 13.52: 10% pyrite>> <<Min: 16.6 - 17: 1% arsenopyrite>> <<Min: 18.1 - 18.5: 1% pyrite / 1% arsenopyrite>> <<Alt: 6 - 7.8: moderate Kaolinite>> <<Alt: 7.8 - 12.54: weak Potassic >> <<Alt: 12.54 - 13.22: moderate Potassic / moderate to strong Silicification >> <<Alt: 13.22 - 13.52: moderate Potassic / weak to moderate Silicification >> <<Alt: 13.52 - 19.8: moderate Silicification >> <<Struc: 12.54 - 12.54: strong Contact 45 deg. >> U/C <<Struc: 13.22 - 13.52: moderate to strong Sheared 40 deg. >> <<Struc: 13.52 - 13.52: strong Contact 45 deg. >> L/C <<Struc: 13.53 - 14.7: weak Sheared>> <<Struc: 14.7 - 14.95: moderate Sheared>> <<Struc: 14.95 - 15.66: weak Sheared>> <<Struc: 15.66 - 16: weak Sheared>> <<Struc: 16 - 16.6: moderate Sheared 50 deg. >> <<Struc: 16.6 - 17: moderate Sheared 40 deg. >> <<Struc: 17 - 17.4: moderate Sheared 30 deg. >> <<Struc: 17.4 - 19.8: weak to moderate Sheared 30 deg. >> <<Struc: 19.85 - 19.9: moderate to strong Fault gouge 20 deg. >>											
			11.52	12.54	1.02	412384	0.026	0.1	7	9	0.03
			12.54	13.22	0.68	412385	0.0025	0.1	9	8	0.02
			13.22	13.52	0.30	412387	0.056	0.2	4	38	0.99
			13.52	14.55	1.03	412388	0.021	0.1	7	11	0.04
			14.55	15.55	1.00	412389	0.0025	0.1	5	13	0.05
			15.55	16.55	1.00	412391	0.016	0.1	9	9	0.05
			16.55	17.55	1.00	412392	0.165	0.1	9	68	0.15
			17.55	18.55	1.00	412393	0.046	0.1	13	30	0.23

Hole: **LM21-26**

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best gpt	Ag Best ppm	Cu Best ppm	As ICP ppm	S ICP pct
<b>19.90</b>	<b>40.25</b>	<b>MV Mafic Volcanics</b>									
		light grey FG	31.50	32.50	1.00	412394	0.014	0.9	103	10	0.15
<p>Mafic Volcanics with bx and Qtz-Cb vnlt and cementation of the bx.            Minor QFP, Light pink with weak to weakly Mod K alt and mod Si alt.</p> <p>QFP - 25.52 to 25.57 m, sharp contacts            QFP - 30.4 to 31.24 m Irregular but sharp upper and lower contacts</p> <p>Mineralization concentrated around vugs - 33.27m, 33.83 to 33.98 m, 34 to 34.44 m.            &lt;&lt;Min: 32.5 - 34.4: 3% pyrite / 2% arsenopyrite&gt;&gt; Py - ds-mg, ff, interstitial, rim QV            Aspy - ds-fg, rim QV, ff            Mineralization concentrated around vugs at 33.27, 33.83 to 33.98, 34 to 34.44 m.            &lt;&lt;Min: 36.1 - 36.7: 1% pyrite / 1% arsenopyrite / 1% pyrrhotite / 1% pyrite / 1% arsenopyrite&gt;&gt;            &lt;&lt;Min: 37 - 38: 0.5% pyrrhotite / 0.5% pyrite&gt;&gt;            &lt;&lt;Min: 38.5 - 39.5: 2% pyrite / 3% arsenopyrite&gt;&gt; Py, ff, ll SZ, Rim QV 2%            Aspy, ff, ll SZ, Rim QV 3%            &lt;&lt;Min: 40.2 - 40.25: 4% pyrite / 2% arsenopyrite&gt;&gt; Py, ll to SZ, ff, Bx fill 4%            Aspy, ll to SZ, ff, Bx fill 3%            &lt;&lt;Alt: 25.52 - 25.57: weak Potassic / moderate Silicification &gt;&gt;            &lt;&lt;Alt: 30.4 - 31.24: weak to moderate Potassic / moderate Silicification &gt;&gt; Irregular contacts            &lt;&lt;Alt: 34.4 - 35: moderate Chlorite / moderate Silicification &gt;&gt; Chl alteration around qtx-cb vnlets and QFP and rimming ff.            &lt;&lt;Alt: 35 - 40.25: moderate Silicification &gt;&gt;            &lt;&lt;Struc: 19.9 - 25.52: weak Brecciated &gt;&gt;            &lt;&lt;Struc: 25.52 - 25.52: strong Contact 50 deg. &gt;&gt; U/C            &lt;&lt;Struc: 25.57 - 25.57: strong Contact 55 deg. &gt;&gt;            &lt;&lt;Struc: 26.22 - 26.63: weak Sheared 35 deg. &gt;&gt; with bx and shearing.            &lt;&lt;Struc: 26.63 - 30.4: weak to moderate Brecciated &gt;&gt;            &lt;&lt;Struc: 30.4 - 31.24: strong Contact&gt;&gt; Irregular contacts between MV and QFP, intercalated with irregular contacts.            &lt;&lt;Struc: 31.24 - 33.45: weak to moderate Brecciated &gt;&gt;            &lt;&lt;Struc: 33.45 - 40.25: moderate Sheared / weak to moderate Brecciated &gt;&gt;</p>											
<b>40.25</b>	<b>47.61</b>	<b>GRDR Granodiorite</b>									
		light grey CG	40.25	41.25	1.00	412404	1.03	0.3	10	93	0.3

## Hole: LM21-26

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best gpt	Ag Best ppm	Cu Best ppm	As ICP ppm	S ICP pct
<<Min: 40.25 - 47.61: 2% pyrite / 1% arsenopyrite / 1% pyrrhotite>> Py, ds- mg to cg, ll slickensides, ll SZ, rim QV 2% Po, ds- mg to cg, ll slickensides, ll SZ, rim QV 1% Aspy ff, ll to SZ fol. <<Struc: 40.25 - 40.25: strong Contact 50 deg. >> <<Struc: 40.26 - 40.29: strong Sheared 50 deg. / strong Slickens 50 deg. >> <<Struc: 40.3 - 40.55: strong Sheared 55 deg. / strong Slickens 55 deg. >> <<Struc: 40.56 - 41: strong Sheared 45 deg. >>			41.25	42.25	1.00	412405	0.067	0.1	4	20	0.19
			42.25	43.25	1.00	412406	0.0025	0.1	2	15	0.07
			43.25	44.25	1.00	412407	0.006	0.1	4	14	0.18
			44.25	45.25	1.00	412408	0.005	0.1	7	12	0.21
			45.25	46.25	1.00	412409	0.01	0.1	6	11	0.2
			46.25	47.00	0.75	412411	1.44	0.7	5	34	0.26
			47.00	47.61	0.61	412412	1.32	0.4	5	93	0.31
<b>47.61</b>	<b>59.27</b>	<b>QFPO Quartz Feldspar Porphyry pink VFG</b>	47.61	48.55	0.94	412413	0.952	0.4	2	37	0.39
50.52 to 51.8 m, Mylonitic QFP, cg 56.5 to 59.27 m MV, altered, with Mod Sericite alt <<Min: 51 - 51.5: 5% phlogopite / 1% arsenopyrite / 0.5% pyrrhotite>> Py ll SZ, ds-fg, ds-cg Aspy ll SZ 1% Po ll SZ 0.5% <<Min: 58 - 59: 1.5% pyrite / 1.5% pyrite / 0.5% pyrrhotite>> Py, rim QV, ll to SZ (35 deg), ds-fg tp ds-cg Po, rim QV, interstitial, ll SZ <<Alt: 47.61 - 59.27: strong Silicification / moderate Potassic >> Sericite alteration 56.5 to 59.27 m, Moderate, Perv, <<Struc: 47.61 - 47.61: strong Contact 50 deg. >> L/C <<Struc: 47.615 - 47.66: strong Sheared 50 deg. >> <<Struc: 47.66 - 47.82: moderate Fault gouge>> Broken Core <<Struc: 48.82 - 49: strong Sheared 50 deg. >> <<Struc: 49 - 49.88: strong Sheared 45 deg. >> <<Struc: 50 - 51.8: strong Sheared 50 deg. >> 50 <<Struc: 52 - 57.55: moderate Brecciated / moderate Sheared>>			48.55	49.52	0.97	412414	0.055	0.4	10	34	0.27
			49.52	50.52	1.00	412415	0.022	0.1	2	12	0.3
			50.52	51.52	1.00	412417	3.54	1.2	6	3320	1.37
			51.52	52.50	0.98	412418	2.02	1.4	5	234	0.44
			52.50	53.50	1.00	412419	0.07	0.1	7	20	0.28
			53.50	54.50	1.00	412421	0.031	0.1	5	15	0.15
			54.50	55.50	1.00	412422	1.38	0.7	3	495	0.47
			55.50	56.50	1.00	412423	0.196	0.5	10	107	0.49
			56.50	57.55	1.05	412424	0.065	0.3	1	17	0.27
			57.55	58.54	0.99	412425	1.25	0.5	0.5	961	0.32
			58.54	59.60	1.06	412426	1.97	0.6	30	977	0.82
<b>59.27</b>	<b>75.03</b>	<b>MV Mafic Volcanics light grey VFG</b>	59.60	60.34	0.74	412427	2.58	1.7	78	2570	3.39
Mod Bx with QC cementation and QCVnls from 59.27 to 65.3 m <<Min: 59.6 - 61.12: 8% pyrite / 3% pyrrhotite>> Py, ll to SZ (35 deg), ds-fg tp ds-cg, bx ff. Po, rim QV, interstitial, ll SZ, bx ff.			60.34	61.12	0.78	412428	0.902	1.1	76	1670	3.18

Hole: LM21-26

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best gpt	Ag Best ppm	Cu Best ppm	As ICP ppm	S ICP pct
<<Min: 63 - 63.58: 2% pyrrhotite / 3% pyrite>> Po, rim vugs, QC vnlt, 2%		Py, bx ff, ds-cg, 3%	61.12	62.63	1.51	412429	0.019	1	101	55	0.09
<<Min: 64.48 - 65: 3% pyrite / 3% pyrrhotite / 0.1% arsenopyrite>> Po, ff, bx ff, rim QC vnlt, 3%		Py, ff, ll bx and Sh, rim QC vnlt, 3%	62.63	63.58	0.95	412431	2.29	1	102	554	1.41
<<Min: 67.29 - 68: 2.5% pyrite / 2.5% pyrrhotite>> Py, bx ff, ff, rim QCVn, vuggy		Py, bx ff, ff, rim QCVn, vuggy	63.58	64.48	0.90	412432	0.011	0.4	92	46	0.29
<<Min: 70.14 - 70.155: 0.1% gold>> QV, 70.16, 1 cm, VG???		QV, 70.16, 1 cm, VG???	64.48	65.10	0.62	412433	0.006	0.3	148	15	1.2
<<Min: 70.5 - 71: 1% pyrite / 1% pyrrhotite>>			65.10	66.15	1.05	412434	0.006	0.1	80	28	0.37
<<Alt: 59.27 - 61: weak to moderate Sericitic>>			66.15	67.29	1.14	412435	0.053	0.3	116	28	0.45
<<Alt: 61 - 71: moderate Silicification >>			67.29	68.00	0.71	412437	0.03	0.5	119	5	0.75
<<Struc: 59.27 - 65.3: weak to moderate Brecciated / strong Contact 45 deg. >> QFP - L/C 45 deg at 64.22		Mod Bx with QC cementation and QCVnlt from 59.27 to 65.3 m	68.00	69.50	1.50	412438	0.036	0.5	124	14	0.18
<<Struc: 67.2 - 67.67: moderate Sheared 55 deg. >>			69.50	70.50	1.00	412439	0.009	0.3	75	13	0.13
<<Struc: 73.16 - 73.18: moderate to strong Sheared 50 deg. >>			70.50	71.50	1.00	412441	0.008	0.3	145	8	0.53
<b>75.03 77.90 QFPO</b>		<b>Quartz Feldspar Porphyry</b>									
		<b>light brown</b>									
		<b>FCG</b>									
intermittant sheared and bx'd near contacts.											
<<Alt: 75.03 - 77.9: moderate Silicification / weak Sericitic / weak to moderate Potassic >>											
<<Struc: 75.03 - 75.03: strong Contact 50 deg. >> U/C											
<<Struc: 75.031 - 77.89: moderate Brecciated / moderate Sheared>>											

Hole: **LM21-26**

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best gpt	Ag Best ppm	Cu Best ppm	As ICP ppm	S ICP pct
<b>77.90</b>	<b>135.50</b>	<b>MV Mafic Volcanics</b>									
		<b>grey FCG</b>	81.68	82.68	1.00	412442	0.09	0.7	70	1	1.78
<p>MVc, (Amphibolite MV), grey, with decreasing QC cementation of Bx and QC vnlts past 108.5 m. MV weakly bx with QC cementation and QC vnlts. Amphibole por, 1 to 3 mm, with fg groundmass as well.            Intercalated MVc and QFP with intermittent shearing.            109.8 to 135.5 m, MVc (Amphibolite MV), grey, vfg groundmass with amphibole porphyries, 1 to 3 mm in size that are parallel to Fol/Sh. Intercalated MVc and QFP (pink).</p> <p>QFP 81.28 to 81.68 m, Light Grey            QFP 84.1 to 84.4 m, Light Grey            QFP 84.93 to 85.08 m, Light Grey,            QFP 85.6 to 87.08 m, light grey,            QFP 88.8 to 89.15 m, light grey,            QFP From 89.15 to 91 m - 5 QFP interlayers from 4 cm to 14 cm wide, light grey            QFP 91.05 to 91.28 m, Light Grey            QFP 91.6 to 92 Light Grey            QFP 92.65 to 92.72, Light Grey            QFP 94.6 to 95 mm irreg copntacts, Light Grey</p> <p>QFP 101.09 to 101.5 m, light grey            QFP 105.57 to 105.71 m, light grey            QFP 105.75 to 105.8 m, light grey            QFP 106.91 to 106.5 m, Pink            QFP 106.7 to 107.45 m, Light grey            QFP 108.7 to 108.75 m, Light grey            QFP 109.19 to 109.24 m, Light grey            QFP 109.58 to 109.8 m, Light grey            QFP 110.31 to 110.76 m, Pink            QFP 111.71 to 112.17 m, Pink            QFP 115.54 to 117.08 m, Pink            QFP 125 to 130.06 m, Light pink            QFP 131.85 to 131.96 m, Light pink (minor)</p> <p>&lt;&lt;Min: 81.9 - 82.5: 2% pyrrhotite&gt;&gt; Po, ll SZ, rim QV,            &lt;&lt;Min: 88.24 - 88.8: 2% pyrite / 1% pyrrhotite&gt;&gt; Both, bs ff,            &lt;&lt;Min: 98.7 - 99.53: 10% pyrite&gt;&gt;            &lt;&lt;Min: 107.58 - 109.8: 1% pyrrhotite&gt;&gt;            &lt;&lt;Min: 110.31 - 110.76: 6% pyrrhotite&gt;&gt; Po, ff, rimming QV            &lt;&lt;Min: 110.87 - 114.2: 3% pyrite / 1% pyrrhotite&gt;&gt; Po, interstitial            &lt;&lt;Min: 114.2 - 114.35: 4% pyrite / 1% pyrrhotite&gt;&gt; Py, parallel to SZ</p>											
			87.80	88.24	0.44	412443	0.019	0.1	27	2	0.19
			88.24	88.85	0.61	412444	0.044	0.4	71	3	1.03
			88.85	89.85	1.00	412445	0.008	0.1	34	3	0.06
			97.69	98.69	1.00	412446	0.008	0.1	7	2	0.11
			98.69	99.69	1.00	412447	0.367	0.5	35	16	0.89
			99.69	100.89	1.20	412448	0.016	0.3	57	2	0.28
			107.50	108.63	1.13	412449	0.013	0.4	64	3	0.15

Hole: **LM21-26**

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best gpt	Ag Best ppm	Cu Best ppm	As ICP ppm	S ICP pct
<<Min: 114.35 - 117.07: 2% pyrite>>			108.63	109.63	1.00	412479	0.031	0.2	60	2	0.2
<<Min: 117.25 - 118.4: 5% pyrite>>			109.63	110.31	0.68	412481	0.092	0.5	65	1	0.21
<<Min: 122 - 122.7: 1% pyrite / 1% pyrite>>		Py, fg-ds, parallel to SZ	110.31	111.31	1.00	412482	0.007	0.2	58	3	0.37
<<Min: 124 - 125.7: 0.5% pyrite / 0.5% pyrite / 0.5% pyrite>>		Py, cg-ds, fg-ds and rimming QV	111.31	112.31	1.00	412483	0.006	0.3	38	5	0.23
<<Min: 130.06 - 132: 6% pyrite>>		Py, cg-ds, minor fg-ds from 131.1 to 132 m	112.31	113.40	1.09	412484	0.006	0.3	41	1	0.19
<<Min: 132 - 133: 6% pyrite>>		Py, mainly cg-ds with minor fg-ds, interstitial and rimming/Selvage to QFP	113.40	114.40	1.00	412485	0.016	0.5	80	1	0.53
<<Min: 134.4 - 135.5: 1.5% pyrite / 1.5% pyrite>>		Py, parallel to Fol, cg-ds, ff.	114.40	115.45	1.05	412486	0.009	0.3	49	1	0.29
<<Alt: 80 - 80.63: moderate Silicification >>			115.45	116.35	0.90	412487	0.006	0.2	6	1	0.03
<<Alt: 81.25 - 81.67: moderate Silicification / moderate Potassic >>		QFP	116.35	117.10	0.75	412488	0.005	0.1	3	1	0.005
<<Alt: 82.18 - 82.45: moderate Chlorite >>			117.10	118.10	1.00	412489	0.0025	0.3	60	3	0.3
<<Alt: 84.1 - 84.4: strong Silicification / weak Potassic >>			118.10	119.15	1.05	412491	0.009	0.2	80	1	0.05
<<Alt: 84.93 - 85.08: strong Silicification >>			119.15	120.90	1.75	412492	0.0025	0.1	73	1	0.06
<<Alt: 85.6 - 87.08: strong Silicification / weak Potassic >>			120.90	121.90	1.00	412493	0.0025	0.1	45	1	0.04
<<Alt: 88.8 - 89.15: strong Silicification / weak Potassic >>			121.90	122.90	1.00	412494	0.005	0.1	34	1	0.05
<<Alt: 91.05 - 91.28: strong Silicification >>			122.90	124.00	1.10	412495	0.007	0.2	54	1	0.12
<<Alt: 91.6 - 92: strong Silicification >>			124.00	125.00	1.00	412497	0.0025	0.3	53	1	0.27
<<Alt: 92.65 - 92.72: strong Silicification >>			125.00	126.00	1.00	412498	0.005	0.3	22	1	0.14
<<Alt: 94.6 - 95: strong Silicification >>			129.00	130.00	1.00	412499	0.014	0.4	6	2	0.18
<<Alt: 97.4 - 98.75: moderate to strong Sericitic>>			130.00	131.00	1.00	412551	0.02	1	64	3	0.87
<<Alt: 98.82 - 99.06: strong Carbonate / strong Quartz / weak to moderate Chlorite >>			131.00	132.00	1.00	412552	0.007	0.4	80	5	0.62
<<Alt: 101.09 - 101.5: strong Silicification / weak Potassic >>			132.00	133.00	1.00	412553	0.006	0.3	42	9	0.34
<<Alt: 103.25 - 104: moderate to strong Silicification / weak Potassic >>			133.00	134.00	1.00	412554	0.0025	0.1	66	2	0.1
<<Alt: 105.57 - 105.7: strong Silicification / weak Potassic >>			134.00	135.00	1.00	412555	0.012	0.3	223	3	0.3
<<Alt: 105.75 - 105.8: strong Silicification / weak Potassic >>			135.00	136.00	1.00	412557	0.013	0.3	97	3	0.13
<<Alt: 106.41 - 106.5: strong Silicification / moderate Potassic >>											
<<Alt: 106.7 - 107.45: strong Silicification / weak to moderate Potassic >>											
<<Alt: 108.7 - 108.75: strong Silicification / weak Potassic >>											
<<Alt: 109.19 - 109.24: strong Silicification >>											
<<Alt: 109.58 - 109.8: strong Silicification >>											

Hole: LM21-26

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best gpt	Ag Best ppm	Cu Best ppm	As ICP ppm	S ICP pct
		<<Alt: 109.8 - 110.3: moderate Silicification >>									
		<<Alt: 110.3 - 110.76: strong Silicification / moderate to strong Potassic >>									
		<<Alt: 110.76 - 111.71: moderate Silicification >>									
		<<Alt: 111.71 - 112.17: strong Silicification / moderate to strong Potassic >>									
		<<Alt: 112.17 - 115.84: moderate to strong Silicification >>									
		<<Alt: 115.84 - 117.08: strong Silicification / strong Potassic >>									
		<<Alt: 117.08 - 125: moderate to strong Silicification >>									
		<<Alt: 125 - 130.06: strong Silicification / moderate to strong Potassic >>									
		<<Alt: 130.06 - 135.5: moderate to strong Silicification >>									
		<<Vein: 129.06 - 130.06: Quartz>>									
		<<Struc: 77.9 - 77.9: strong Contact 40 deg. >> L/C									
		<<Struc: 78.52 - 78.98: moderate to strong Fault gouge 50 deg. >> Broken Core									
		<<Struc: 81.25 - 82: moderate to strong Sheared 60 deg. >>									
		<<Struc: 84.1 - 84.1: strong Contact 40 deg. >> QFP U/C									
		<<Struc: 84.4 - 84.4: strong Contact 60 deg. >> QFP L/C									
		<<Struc: 84.93 - 84.93: strong Contact 65 deg. >> QFP U/C									
		<<Struc: 84.931 - 85.079: moderate Brecciated >> QFP									
		<<Struc: 85.08 - 85.08: strong Contact 50 deg. >>									
		<<Struc: 86.7 - 87: moderate Sheared 50 deg. >>									
		<<Struc: 88.8 - 89.15: strong Contact>> QFP Irregular Contact boundary									
		<<Struc: 91.05 - 91.05: strong Contact 65 deg. >>									
		<<Struc: 91.28 - 91.28: strong Contact 50 deg. >>									
		<<Struc: 91.6 - 91.6: strong Contact 50 deg. >>									
		<<Struc: 92 - 92: strong Contact 70 deg. >>									
		<<Struc: 94.6 - 95: moderate Brecciated >> QFP, lirrreg copntacts									
		<<Struc: 97.4 - 98.75: moderate to strong Sheared 60 deg. >>									
		<<Struc: 99.06 - 99.8: moderate Sheared 50 deg. >>									
		<<Struc: 101.09 - 101.09: strong Contact 60 deg. >>									
		<<Struc: 101.5 - 101.5: moderate to strong Contact 60 deg. >>									

Hole: **LM21-26**

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best gpt	Ag Best ppm	Cu Best ppm	As ICP ppm	S ICP pct
		<<Struc: 108.7 - 108.7: strong Contact 70 deg. >>									
		<<Struc: 108.75 - 108.75: strong Contact 70 deg. >>									
		<<Struc: 109.19 - 109.19: strong Contact 70 deg. >>									
		<<Struc: 115.54 - 117.08: moderate to strong Brecciated >> Bx, sub-rounded fragments									
		<<Struc: 126.9 - 126.9: weak to moderate Contact>> 126.9 m. Irregular and weakly moderate contact. 129.6 to 130 m, Irregular and weakly moderate contact.									
		<<Struc: 130.06 - 130.12: moderate Sheared 30 deg. / moderate Brecciated >>									
		<<Struc: 131.1 - 133: moderate to strong Brecciated >>									
<b>135.50</b>	<b>179.00</b>	<b>MV Mafic Volcanics</b> <b>grey</b> <b>VFG</b>	136.00	137.00	1.00	412558	1.01	6.4	89	2	0.24
<p>MVc - (Amphibolite Mafic Volcanic), grey, very fine grained with faint 1 to 2 mm black amphiboles. From 135 to 149, amphiboles not as obvious as Silicification overprinted Amph. 151.3 to 151.7 m MV with white Qtz porphyries, 1 to 2 mm, and fg grey groundmass, 157.15 to 157.55 m MV with white Qtz porphyries, 1 to 2 mm, and fg grey groundmass, 173 to 179 m MV with white Qtz porphyries, 1 to 2 mm, and fg grey groundmass,</p>											
		<<Min: 135.5 - 147.65: 10% pyrite / 5% pyrrhotite / 0.01% arsenopyrite>> Py, cg-ds, minor fg-ds, parallel to SZ, Bx-ff Po, parallel to SZ, Bx-ff Aspy, ff	137.00	138.00	1.00	412559	0.006	0.6	25	1	0.25
		<<Min: 155 - 156: 1% pyrite>> Py, cg-ds, ff	138.00	139.00	1.00	412561	0.45	1.4	159	61	0.84
		<<Min: 157.55 - 158: 1% pyrite>> Py, rimming qtz blebs	139.00	140.00	1.00	412562	18.5	23.8	1520	535	3.4
		<<Min: 170 - 170.4: 2% pyrite / 1% pyrite>> Py, cg-ds, parallel to fol and ff	140.00	141.00	1.00	412563	0.753	14.5	772	82	3.84
		<<Alt: 135.5 - 138.63: moderate to strong Silicification >>	141.00	142.00	1.00	412564	0.675	8.2	49	24	0.38
		<<Alt: 138.63 - 143.2: moderate to strong Silicification / moderate to strong Chlorite >>	142.00	143.00	1.00	412565	0.429	0.9	80	8	0.68
		<<Alt: 143.2 - 146: moderate to strong Silicification >>	143.00	144.00	1.00	412566	0.17	1.5	88	11	1.59
		<<Alt: 146 - 147.62: moderate to strong Silicification / moderate to strong Sericitic>>	144.00	145.00	1.00	412567	0.351	3.1	99	5	1.04
		<<Alt: 147.62 - 149.32: moderate Silicification >>	145.00	146.00	1.00	412568	0.135	1.7	231	4	1.11
		<<Alt: 149.32 - 179: strong Silicification >>	146.00	147.00	1.00	412569	0.32	2.2	138	18	3.39
		<<Struc: 135.5 - 136: strong Foliated 60 deg. >>	147.00	148.00	1.00	412571	0.42	1	59	8	0.95
		<<Struc: 137.38 - 137.56: moderate to strong Brecciated >> Bx with QC cementation.	148.00	149.00	1.00	412572	0.012	0.1	22	5	0.03
		<<Struc: 139.45 - 139.45: >> Vuggy	155.00	156.00	1.00	412573	0.014	0.7	215	1	0.44
		<<Struc: 141.5 - 141.8: strong Crenulation cleavage>> Crenulated micro folds with fold axis at 141.66 m = 65 deg and 141.75 m = 30 deg	156.00	157.00	1.00	412574	0.026	0.3	76	1	0.14



Hole: LM21-26

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best gpt	Ag Best ppm	Cu Best ppm	As ICP ppm	S ICP pct
		<<Struc: 142.09 - 142.13: strong Fault gouge>>	157.00	158.00	1.00	412575	0.062	0.4	142	1	0.29
		<<Struc: 144.2 - 144.3: strong Brecciated >> Broken core	170.00	171.00	1.00	412577	0.008	0.3	204	2	0.22
		<<Struc: 146.6 - 147: intense Fault gouge>> Lost core, probably Fault zone	171.00	172.00	1.00	412578	0.094	0.7	147	444	0.31
		<<Struc: 147.62 - 147.65: strong Fault gouge>>	172.00	173.00	1.00	412579	0.011	0.2	116	3	0.11
		<<Struc: 148.3 - 148.35: strong Brecciated >> Broken Core	173.00	174.00	1.00	412581	0.012	0.3	187	6	0.28
		<<Struc: 148.8 - 150: strong Fault gouge>> Broken Core (Fault) and Fault Gouge. 149.00 to 149.15 m, very broken core, rubble, lost core. 149.20 to 149.32 m, Fault gouge.	174.00	175.00	1.00	412582	0.011	0.4	184	4	0.24
		<<Struc: 168.4 - 169.9: moderate to strong Brecciated >> Bx with Qtz-Cb cementation and 25% broken core,									
<b>179.00</b>	<b>192.00</b>	<b>LEP Leopard Rock</b>	<b>grey</b>	<b>FG</b>							
			179.30	179.83	0.53	412583	0.015	0.1	77	4	0.07

EOH @ 192 m

Leopard Rock, glomeroporphyritic, grey, fg mafic volcanic with 1 to 2 mm black amphibole porphyries and pink subhedral to anhedral feldspar glomeroporphyries, 0.5 mm to 4 cm.

Pink QV from 17944 to 179.68 m, glassy with minor Qtz-Cb cementation.

**End of Hole @ 192**

**Project:** Lingman Lake mine

**Hole:** LM21-27

<b>Target:</b>	North Zone	<b>Survey Type:</b>	DGPS	<b>Logged By:</b>	J Siriunas	<b>Hole Type:</b>	DD
<b>UTM Grid:</b>	NAD83_Z15	<b>Survey By:</b>	M Cardinal	<b>Date Started:</b>	2021-11-30	<b>Hole Diameter:</b>	7.57
<b>UTM East:</b>	507233.397	<b>Azimuth:</b>	359.16	<b>Date Completed:</b>		<b>Core Size:</b>	NQ
<b>UTM North:</b>	5968664.353	<b>Dip:</b>	-48.548	<b>Drill Company:</b>	Mike	<b>Casing Pulled?:</b>	<input type="checkbox"/>
<b>UTM Elevation (m):</b>	278.342	<b>Length (m):</b>	242	<b>Drill Rig:</b>	Rig1	<b>Casing Depth (m):</b>	2
<b>Local Grid:</b>		<b>NTS:</b>	53F15	<b>Drill Started:</b>	2021-11-27	<b>Reduced (m):</b>	
<b>Local East:</b>		<b>Township:</b>	Lingman Lake Area	<b>Drill Completed:</b>	2021-11-30	<b>Reduced Size:</b>	
<b>Local North:</b>		<b>Claim No.:</b>				<b>Oriented?:</b>	<input type="checkbox"/>
<b>Local Elevation (m):</b>		<b>Comments:</b>					
<b>Hole Status:</b>	Completed						
<b>Hole Purpose:</b>	EXPL						

Depth (m)	Survey Method	Survey By	Date Surveyed	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Mag. Field	Accept Values?	Comments
0	DeviGyro	Scott	2021-11-30	-47.7458	359.16	0	359.16		<input checked="" type="checkbox"/>	
5	DeviGyro	Scott	2021-11-30	-46.8942	359.61	0	359.61		<input checked="" type="checkbox"/>	
10	DeviGyro	Scott	2021-11-30	-46.7668	359.64	0	359.64		<input checked="" type="checkbox"/>	
15	DeviGyro	Scott	2021-11-30	-46.4042	359.68	0	359.68		<input checked="" type="checkbox"/>	
20	DeviGyro	Scott	2021-11-30	-46.2376	359.81	0	359.81		<input checked="" type="checkbox"/>	
25	DeviGyro	Scott	2021-11-30	-46.0217	359.84	0	359.84		<input checked="" type="checkbox"/>	
30	DeviGyro	Scott	2021-11-30	-46.0185	0.04	0	0.04		<input checked="" type="checkbox"/>	
35	DeviGyro	Scott	2021-11-30	-45.8764	0.08	0	0.08		<input checked="" type="checkbox"/>	
40	DeviGyro	Scott	2021-11-30	-45.8773	0.18	0	0.18		<input checked="" type="checkbox"/>	
45	DeviGyro	Scott	2021-11-30	-45.6315	0.39	0	0.39		<input checked="" type="checkbox"/>	

Hole: LM21-27

Depth (m)	Survey Method	Survey By	Date Surveyed	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Mag. Field	Accept Values?	Comments
50	DeviGyro	Scott	2021-11-30	-45.7096	0.37	0	0.37		<input checked="" type="checkbox"/>	
55	DeviGyro	Scott	2021-11-30	-45.5693	0.25	0	0.25		<input checked="" type="checkbox"/>	
60	DeviGyro	Scott	2021-11-30	-45.337	0.36	0	0.36		<input checked="" type="checkbox"/>	
65	DeviGyro	Scott	2021-11-30	-45.2989	0.38	0	0.38		<input checked="" type="checkbox"/>	
70	DeviGyro	Scott	2021-11-30	-44.9112	0.51	0	0.51		<input checked="" type="checkbox"/>	
75	DeviGyro	Scott	2021-11-30	-45.0915	0.5	0	0.5		<input checked="" type="checkbox"/>	
80	DeviGyro	Scott	2021-11-30	-44.7857	0.57	0	0.57		<input checked="" type="checkbox"/>	
85	DeviGyro	Scott	2021-11-30	-44.8613	0.62	0	0.62		<input checked="" type="checkbox"/>	
90	DeviGyro	Scott	2021-11-30	-44.6839	0.73	0	0.73		<input checked="" type="checkbox"/>	
95	DeviGyro	Scott	2021-11-30	-44.5274	0.82	0	0.82		<input checked="" type="checkbox"/>	
100	DeviGyro	Scott	2021-11-30	-44.5242	0.87	0	0.87		<input checked="" type="checkbox"/>	
105	DeviGyro	Scott	2021-11-30	-44.3491	0.95	0	0.95		<input checked="" type="checkbox"/>	
110	DeviGyro	Scott	2021-11-30	-44.3361	1.06	0	1.06		<input checked="" type="checkbox"/>	
115	DeviGyro	Scott	2021-11-30	-43.8834	1.15	0	1.15		<input checked="" type="checkbox"/>	
120	DeviGyro	Scott	2021-11-30	-43.7514	1.19	0	1.19		<input checked="" type="checkbox"/>	
125	DeviGyro	Scott	2021-11-30	-43.6781	1.16	0	1.16		<input checked="" type="checkbox"/>	
130	DeviGyro	Scott	2021-11-30	-43.4234	1.13	0	1.13		<input checked="" type="checkbox"/>	
135	DeviGyro	Scott	2021-11-30	-43.2036	1.28	0	1.28		<input checked="" type="checkbox"/>	
140	DeviGyro	Scott	2021-11-30	-42.9388	1.36	0	1.36		<input checked="" type="checkbox"/>	
145	DeviGyro	Scott	2021-11-30	-42.7593	1.35	0	1.35		<input checked="" type="checkbox"/>	
150	DeviGyro	Scott	2021-11-30	-42.6232	1.25	0	1.25		<input checked="" type="checkbox"/>	
155	DeviGyro	Scott	2021-11-30	-42.422	1.43	0	1.43		<input checked="" type="checkbox"/>	
160	DeviGyro	Scott	2021-11-30	-42.4054	1.48	0	1.48		<input checked="" type="checkbox"/>	

Hole: LM21-27

Depth (m)	Survey Method	Survey By	Date Surveyed	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Mag. Field	Accept Values?	Comments
165	DeviGyro	Scott	2021-11-30	-42.2898	1.35	0	1.35		<input checked="" type="checkbox"/>	
170	DeviGyro	Scott	2021-11-30	-42.3372	1.44	0	1.44		<input checked="" type="checkbox"/>	
175	DeviGyro	Scott	2021-11-30	-42.2161	1.52	0	1.52		<input checked="" type="checkbox"/>	
180	DeviGyro	Scott	2021-11-30	-42.1926	1.44	0	1.44		<input checked="" type="checkbox"/>	
185	DeviGyro	Scott	2021-11-30	-42.2408	1.57	0	1.57		<input checked="" type="checkbox"/>	
190	DeviGyro	Scott	2021-11-30	-42.0472	1.59	0	1.59		<input checked="" type="checkbox"/>	
195	DeviGyro	Scott	2021-11-30	-42.1417	1.54	0	1.54		<input checked="" type="checkbox"/>	
200	DeviGyro	Scott	2021-11-30	-42.0086	1.6	0	1.6		<input checked="" type="checkbox"/>	
205	DeviGyro	Scott	2021-11-30	-41.9992	1.56	0	1.56		<input checked="" type="checkbox"/>	
210	DeviGyro	Scott	2021-11-30	-41.8517	1.55	0	1.55		<input checked="" type="checkbox"/>	
215	DeviGyro	Scott	2021-11-30	-41.7634	2.33	0	2.33		<input checked="" type="checkbox"/>	
220	DeviGyro	Scott	2021-11-30	-41.8075	2.66	0	2.66		<input checked="" type="checkbox"/>	
225	DeviGyro	Scott	2021-11-30	-41.7231	2.48	0	2.48		<input checked="" type="checkbox"/>	
229.871	DeviGyro	Scott	2021-11-30	-41.8739	2.48	0	2.48		<input checked="" type="checkbox"/>	

Hole: **LM21-27**

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best gpt	Ag Best ppm	Cu Best ppm	As ICP ppm	S ICP pct
<b>0.00</b>	<b>2.00</b>	<b>CAS Casing</b>									
<b>2.00</b>	<b>74.81</b>	<b>MV Mafic Volcanics</b>									
		<b>dark grey</b>	22.00	23.00	1.00	412734	8.12	2.4	183	1050	1.04
weak fabric with typical CA veinlets QZ - CA alteration zone between 22.60 m and 25.30 m with QZ - CA vein breccia between 23.80 m and 24.38 m and PY - PO between 25.00 m and 25.30 m additional QZ - CA vein breccia with sulphides between 32.30 m and 33.50 m and between 40.18 m and 40.70 m patchy silicified zones with PY - PO between 54 m and 61 m											
			23.00	24.00	1.00	412735	0.198	1.4	130	829	1.47
			24.00	25.00	1.00	412737	11.9	5.2	112	4860	1.74
			25.00	26.00	1.00	412738	8.07	5.6	232	8170	2.45
			26.00	27.00	1.00	412739	0.287	1.4	143	244	0.43
			27.00	28.00	1.00	412741	0.075	0.8	206	1890	0.6
			28.00	29.00	1.00	412742	0.029	1	226	78	0.13
			29.00	30.00	1.00	412743	0.054	1.2	318	59	0.23
			30.00	31.00	1.00	412744	0.09	1.6	421	57	0.27
			31.00	32.00	1.00	412745	0.091	1.6	427	51	0.49
			32.00	33.00	1.00	412746	0.222	1.3	329	27	2.63
			33.00	34.00	1.00	412747	0.055	1.1	494	35	1.89
			34.00	35.00	1.00	412748	0.007	0.4	130	49	0.29
			39.00	40.00	1.00	412749	0.013	0.4	137	49	0.08
			40.00	41.00	1.00	412751	0.026	0.9	281	33	2.46
			53.00	54.00	1.00	412752	0.036	0.6	211	110	0.49
			54.00	55.00	1.00	412753	0.106	1.4	151	83	0.54
			55.00	56.00	1.00	412754	0.034	0.9	138	82	0.44
			56.00	57.00	1.00	412755	0.305	1.2	165	495	0.94
			57.00	58.00	1.00	412757	0.418	0.5	95	1210	0.82
			58.00	59.00	1.00	412758	0.354	0.6	101	2710	0.68
			59.00	60.00	1.00	412759	0.017	0.4	134	54	0.06
			60.00	61.00	1.00	412761	0.184	0.6	107	1460	0.53
			61.00	62.00	1.00	412762	0.022	0.7	165	108	0.1

Hole: LM21-27

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best gpt	Ag Best ppm	Cu Best ppm	As ICP ppm	S ICP pct
<b>74.81</b>	<b>90.50</b>	<b>QFPO Quartz Feldspar Porphyry</b> some mafic volcanics as inclusions or intercalations	88.50	89.00	0.50	412763	0.03	0.7	475	14	0.25
<b>90.50</b>	<b>143.98</b>	<b>MV Mafic Volcanics</b> local QZ -CA breccias patchy PY - PO @ 142.50 m	106.00	107.00	1.00	412764	0.01	0.3	250	4	0.29
			107.00	108.00	1.00	412765	0.02	0.5	1040	745	3.13
			108.00	109.00	1.00	412766	0.032	0.5	784	59	0.73
			109.00	110.00	1.00	412767	0.01	0.1	142	41	0.15
			141.00	142.00	1.00	412768	0.009	0.3	123	14	0.23
			142.00	143.00	1.00	412769	0.031	0.6	85	13	1.59
			143.00	144.00	1.00	412771	0.017	0.5	115	28	0.13
<b>143.98</b>	<b>187.80</b>	<b>QFPO Quartz Feldspar Porphyry</b> variable proportion of each lithology altered zone from 151.20 m to 152.50 m local sections with PY - PO @ 160.35 m, 166.40 m and between 181.45 m and 183.72 m	150.00	151.00	1.00	412772	0.024	0.3	51	36	0.36
			151.00	152.00	1.00	412773	0.594	0.8	30	14	0.52
			152.00	153.00	1.00	412774	0.012	0.4	68	5	0.36
			153.00	154.00	1.00	412775	0.011	0.1	38	62	0.15
			154.00	155.00	1.00	412777	0.011	0.3	71	7	0.16
			155.00	156.00	1.00	412792	0.0025	0.1	8	6	0.04
			163.00	164.00	1.00	412789	0.136	0.3	73	4	0.82
			164.00	165.00	1.00	412791	0.06	0.1	41	3	0.15
			165.00	166.00	1.00	412778	0.127	0.1	86	7	0.26
			166.00	167.00	1.00	412779	0.009	0.4	99	4	0.57
			167.00	168.00	1.00	412781	0.014	0.2	39	21	0.12
			180.00	181.00	1.00	412782	0.0025	0.1	7	6	0.04
			181.00	182.00	1.00	412783	0.758	0.8	65	27	1.44
			182.00	183.00	1.00	412784	2.31	1.5	75	111	3.77
			183.00	184.00	1.00	412785	2.74	1.6	82	153	1.82
			184.00	185.00	1.00	412786	0.299	0.1	45	19	0.1

Hole: LM21-27

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best gpt	Ag Best ppm	Cu Best ppm	As ICP ppm	S ICP pct
<b>187.80</b>	<b>203.00</b>	<b>MV Mafic Volcanics</b>	187.00	188.00	1.00	412709	0.048	0.5	32	2	0.11
			188.00	189.00	1.00	412711	0.136	2.7	215	21	0.39
			189.00	190.00	1.00	412712	0.053	5	234	2	0.69
			190.00	191.00	1.00	412713	0.06	1.9	257	2	0.96
			191.00	192.00	1.00	412714	0.049	2.4	184	2	1.41
			192.00	193.00	1.00	412715	0.076	3.1	244	3	1.56
			193.00	194.00	1.00	412717	0.059	2.9	115	49	0.72
			194.00	195.00	1.00	412718	0.017	2.2	166	3	0.33
			195.00	196.00	1.00	412719	0.019	3.4	134	1	0.36
			196.00	197.00	1.00	412721	0.007	1.3	106	1	0.11
			197.00	198.00	1.00	412722	0.019	1.1	226	2	0.58
			198.00	199.00	1.00	412723	0.041	6.7	248	4	1.98
			199.00	200.00	1.00	412724	0.098	1.8	105	4	1.08
			200.00	201.00	1.00	412725	0.123	2.4	125	1	1.3
			201.00	202.00	1.00	412726	0.035	0.7	33	1	0.21
			202.00	203.00	1.00	412727	0.034	0.6	72	3	0.26
			203.00	204.00	1.00	412728	0.146	0.9	58	5	0.1
			204.00	205.00	1.00	412729	0.17	0.4	25	5	0.06
			205.00	206.00	1.00	412731	0.474	1.1	72	17	0.16
			206.00	209.00	3.00	412732	0.768	0.1	8	13	0.01
			209.00	210.00	1.00	412733	0.005	0.1	4	1	0.03
			220.50	221.00	0.50	412787	0.023	0.3	145	3	0.18

**NORTH ZONE**  
 starts fairly massive but fabric develops from about 189 m with interstitial sulphides  
 contorted QZ - CA - CL from 197.80 m to 202.50 m  
 tectonic fabric/alteration is not as pervasive or intense as in other North Zone intersections

massive QZ/silica band between 204.44 m and 204.78 m  
 GROUND CORE (5 feet) between 206 m and 209 m

sheared lower contact with some silicification

Hole: LM21-27

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best gpt	Ag Best ppm	Cu Best ppm	As ICP ppm	S ICP pct
220.87	242.00	LEP Leopard Rock	238.70	239.60	0.90	412788	0.006	0.2	10	4	1.15

EOH @ 242 m  
 variable proportion of porphyroblasts up to 5 cm in size  
 matrix is medium coarse grained (diabasic) to aphanitic  
 blue-grey QZ vein with MO between 238.70 m and 239.60 m

End of Hole @ 242



**Project:** Lingman Lake mine

**Hole:** LM21-28A

<b>Target:</b>	North Zone	<b>Survey Type:</b>	DGPS	<b>Logged By:</b>	J Siriunas	<b>Hole Type:</b>	DD
<b>UTM Grid:</b>	NAD83_Z15	<b>Survey By:</b>	Unknown	<b>Date Started:</b>	2021-11-26	<b>Hole Diameter:</b>	7.57
<b>UTM East:</b>	507235.898	<b>Azimuth:</b>	0	<b>Date Completed:</b>		<b>Core Size:</b>	NQ
<b>UTM North:</b>	5968634.489	<b>Dip:</b>	-49	<b>Drill Company:</b>	Mike	<b>Casing Pulled?:</b>	<input type="checkbox"/>
<b>UTM Elevation (m):</b>	276.356	<b>Length (m):</b>	341	<b>Drill Rig:</b>	Rig1	<b>Casing Depth (m):</b>	
<b>Local Grid:</b>		<b>NTS:</b>	53F15	<b>Drill Started:</b>	2021-09-20	<b>Reduced (m):</b>	
<b>Local East:</b>		<b>Township:</b>	Lingman Lake Area	<b>Drill Completed:</b>	2021-11-26	<b>Reduced Size:</b>	
<b>Local North:</b>		<b>Claim No.:</b>	PAT-40606			<b>Oriented?:</b>	<input type="checkbox"/>
<b>Local Elevation (m):</b>		<b>Comments:</b>					
<b>Hole Status:</b>	Completed						
<b>Hole Purpose:</b>	EXPL						

Hole: LM21-28A

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best gpt	Ag Best ppm	Cu Best ppm	As ICP ppm	S ICP pct
0.00	5.00	CAS Casing									
5.00	93.75	MV Mafic Volcanics	14.00	15.00	1.00	412584	0.009	0.1	121	44	0.09
variable textures and grain size from aphanitic to medium coarse, locally magnetic tectonic fabric locally developed with a "tuffaceous" appearance possible pillow selvages scattered QZ - CA veining AS band from 72.29 m to 72.33 m											
			15.00	16.00	1.00	412585	0.012	0.2	275	31	0.14
			16.00	17.00	1.00	412586	0.024	0.4	320	151	0.33
			17.00	18.00	1.00	412587	0.023	1.3	429	219	1.4
			18.00	19.00	1.00	412588	0.027	0.6	256	897	0.33
			30.75	31.25	0.50	412645	0.009	0.3	234	49	1.2
			35.00	36.00	1.00	412646	0.007	0.1	228	51	0.13
			36.00	37.00	1.00	412647	0.007	0.1	265	54	0.11
			37.00	38.00	1.00	412648	0.009	0.1	205	48	0.09
			50.00	51.00	1.00	412589	0.009	0.1	38	29	0.11
			51.00	52.00	1.00	412591	0.102	0.2	39	34	0.22
			52.00	53.00	1.00	412592	0.544	1.1	531	14	2.37
			53.00	54.00	1.00	412593	0.073	0.6	257	22	1.12
			54.00	55.00	1.00	412594	0.024	0.4	202	19	0.2
			55.00	56.00	1.00	412595	0.016	0.3	168	27	0.4
			56.00	57.00	1.00	412597	0.011	0.3	172	939	0.67
			57.00	58.00	1.00	412598	0.025	0.5	197	97	0.16
			58.00	59.00	1.00	412599	0.036	0.6	221	56	0.17
			59.00	60.00	1.00	412601	0.0025	0.4	260	758	0.79
			60.00	61.00	1.00	412602	0.007	0.5	251	132	0.45
			61.00	62.00	1.00	412603	0.04	0.6	326	95	0.28
			62.00	63.00	1.00	412604	0.007	0.4	145	54	0.09
			63.00	64.00	1.00	412605	0.01	0.5	212	42	0.2
			64.00	65.00	1.00	412606	0.008	0.6	240	45	0.27

Hole: LM21-28A

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best gpt	Ag Best ppm	Cu Best ppm	As ICP ppm	S ICP pct
			65.00	66.00	1.00	412607	0.011	0.5	201	44	0.13
			66.00	67.00	1.00	412608	0.014	1	374	48	0.17
			67.00	68.00	1.00	412609	0.015	0.6	219	51	0.19
			68.00	69.00	1.00	412611	0.034	0.6	222	45	0.15
			69.00	70.00	1.00	412612	0.078	0.8	215	28	0.76
			70.00	71.00	1.00	412613	0.186	0.6	118	123	0.65
			71.00	72.00	1.00	412614	0.271	0.7	52	198	0.13
			72.00	73.00	1.00	412615	2.67	9.2	156	5590	0.95
			73.00	74.00	1.00	412616	0.548	1.1	190	2600	0.92
			74.00	75.00	1.00	412617	0.025	0.5	128	38	0.13
			75.00	76.00	1.00	412619	0.095	1.3	437	24	0.25
			76.00	77.00	1.00	412621	0.034	0.6	202	32	0.1
			77.00	78.00	1.00	412622	0.029	0.7	266	86	0.35
			78.00	79.00	1.00	412623	0.015	0.5	201	70	0.56
			79.00	80.00	1.00	412624	0.079	0.4	154	77	0.44
			80.00	81.00	1.00	412625	0.045	0.3	135	65	0.24
			81.00	82.00	1.00	412626	0.013	0.3	169	51	0.27
			82.00	83.00	1.00	412627	0.014	0.4	223	48	0.26
			92.00	93.00	1.00	412628	0.031	0.7	167	43	0.77
			93.00	94.00	1.00	412629	0.027	0.7	155	42	0.22
			94.00	95.00	1.00	412631	0.019	0.9	225	54	0.55
<b>93.75</b>	<b>108.16</b>	<b>MV Mafic Volcanics</b>									
CENTRAL ZONE weakly silicified and brecciated zone with CA abundant QZ - CA healed breccia fault gouge @ 100.00 m PY - PO locally developed especially after gouge zone											
			95.00	96.00	1.00	412632	0.006	0.1	8	11	0.005
			96.00	97.00	1.00	412633	0.005	0.2	38	18	0.07
			97.00	98.00	1.00	412634	0.02	1.3	176	60	0.32
			98.00	99.00	1.00	412635	0.023	0.8	149	94	0.14

Hole: LM21-28A

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best gpt	Ag Best ppm	Cu Best ppm	As ICP ppm	S ICP pct
			99.00	100.00	1.00	412637	0.046	1.1	233	107	0.39
			100.00	101.00	1.00	412638	0.116	0.6	111	94	0.61
			101.00	102.00	1.00	412639	0.012	0.7	179	79	0.42
			102.00	103.00	1.00	412641	0.02	0.9	192	60	0.39
			103.00	104.00	1.00	412642	0.008	1	257	69	0.29
			104.00	105.00	1.00	412643	0.011	0.7	174	103	0.24
			105.00	106.00	1.00	412644	0.008	0.6	139	87	0.21
<b>108.16</b>	<b>117.77</b>	<b>QFPO Quartz Feldspar Porphyry</b>									
<p>weak fabric          cut by minor QZ -CA - FP stringers          some healed breccia in various orientations</p>											
<b>117.77</b>	<b>245.80</b>	<b>MV Mafic Volcanics</b>									
<p>granitic intrusives starting around 126 m but especially from 197 m          variable headed breccia zones and local areas of pervasive CA throughout the intersection          silicified portions with sulphide development including net textured PY - PO between 156.40 m and 158.00 m, and          between 173.14 m and 173.70 m, and between 184.40 m and 184.75 m and between 213.15 m and 213.40 m          some PY - PO around 192 m to 193 m in the Scotty Zone</p>											
			155.00	156.00	1.00	412649	0.03	0.4	128	74	0.35
			156.00	157.00	1.00	412651	3.96	6.2	175	7720	3.63
			157.00	158.00	1.00	412652	3.12	10.3	103	4160	3.56
			158.00	159.00	1.00	412653	0.363	0.6	92	1270	1.28
			159.00	160.00	1.00	412654	0.234	0.4	100	565	1.13
			160.00	161.00	1.00	412655	0.101	0.3	122	73	0.96
			170.00	171.00	1.00	412657	0.117	0.2	90	37	0.1
			171.00	172.00	1.00	412658	0.03	0.2	98	49	0.08
			172.00	173.00	1.00	412659	0.017	0.3	105	43	0.08
			173.00	174.00	1.00	412661	0.173	0.6	235	1160	2.86
			174.00	175.00	1.00	412662	0.01	0.2	60	22	0.14
			175.00	176.00	1.00	412663	0.01	0.4	114	14	0.79
			181.00	182.00	1.00	412664	0.015	0.2	108	16	0.22
			182.00	183.00	1.00	412665	0.045	0.3	118	62	0.19
			183.00	184.00	1.00	412667	0.013	0.1	133	96	0.32

Hole: LM21-28A

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best gpt	Ag Best ppm	Cu Best ppm	As ICP ppm	S ICP pct
			184.00	185.00	1.00	412668	0.113	0.3	125	129	0.87
			185.00	186.00	1.00	412669	0.014	0.1	69	81	0.41
			186.00	187.00	1.00	412671	0.13	0.3	124	79	0.56
			187.00	188.00	1.00	412672	0.013	0.3	117	57	0.13
			192.00	193.00	1.00	412675	1.99	0.8	74	36	1.89
			212.00	213.00	1.00	412673	0.013	0.5	93	6	0.1
			213.00	214.00	1.00	412674	0.58	0.5	71	9	2
			240.00	241.00	1.00	412677	0.024	0.7	208	6	0.8
			241.00	242.00	1.00	412678	0.047	0.9	118	5	0.41
			242.00	243.00	1.00	412679	0.184	1.4	114	5	0.2
			243.00	244.00	1.00	412681	0.016	0.4	62	7	0.32
			244.00	245.00	1.00	412682	0.01	1	109	5	0.74
			245.00	246.00	1.00	412683	0.0025	0.7	11	1	0.07
			246.00	247.00	1.00	412684	0.011	0.6	10	4	0.23
<b>245.80</b>	<b>253.48</b>	<b>MV Mafic Volcanics</b>									
NORTH ZONE mixed contorted QZ - CA - CL breccia with patches of QZ - CL breccia disseminated PY - PO											
			247.00	248.00	1.00	412685	0.225	1.3	58	5	1.74
			248.00	249.00	1.00	412686	0.484	1	28	6	1.71
			249.00	250.00	1.00	412687	0.485	0.6	14	5	1.17
			250.00	251.00	1.00	412688	0.262	0.3	4	1	0.2
			251.00	252.00	1.00	412689	0.06	0.3	11	2	0.7
			252.00	253.00	1.00	412691	0.157	0.5	7	3	1.26
			253.00	254.00	1.00	412692	0.564	4.9	193	11	3.56
			254.00	255.00	1.00	412693	0.314	3.2	199	1	1.88
<b>253.48</b>	<b>265.00</b>	<b>MV Mafic Volcanics</b>									
weak foliation with some foliation parallel PY - PO abundant broken core local breccia zone between 258.50 m and 263.00 m with gouge @ 261.65 m											
			255.00	256.00	1.00	412694	0.046	2.3	262	3	1.44
			256.00	257.00	1.00	412695	0.14	1.1	220	4	1.09

Hole: LM21-28A

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best gpt	Ag Best ppm	Cu Best ppm	As ICP ppm	S ICP pct
			257.00	258.00	1.00	412697	1.84	2.2	183	5	0.72
			258.00	259.00	1.00	412698	0.474	1	138	2	0.58
			259.00	260.00	1.00	412699	0.786	1.1	62	3	0.24
			260.00	261.00	1.00	412701	3.34	4	90	11	0.53
			261.00	262.00	1.00	412702	0.786	2.7	61	4	0.66
			262.00	263.00	1.00	412703	0.034	0.8	157	1	0.11
			263.00	264.00	1.00	412704	0.03	0.8	208	1	0.22
<b>265.00</b>	<b>276.60</b>	<b>MV Mafic Volcanics</b>									
some porphyroblasts around 271 m											
<b>276.60</b>	<b>341.00</b>	<b>LEP Leopard Rock</b>									
EOH @ 341 m											
matrix is aphanitic to medium grained, massive to foliated											
porphyroblast up to 5 cm and stretched in strongly foliated sections											
occasional silicified or sheared section											
sheared section between 287.17 m and 288.12 m with MO											
			287.17	288.17	1.00	412705	0.021	0.1	27	5	0.19
			313.50	314.50	1.00	412706	0.019	0.1	143	1	0.1
			317.00	318.00	1.00	412707	0.006	0.1	121	1	0.09
			318.00	319.00	1.00	412708	0.007	0.1	13	1	0.06

End of Hole @ 341

**Project:** Lingman Lake mine

**Hole:** LM21-29

<b>Target:</b>	North Zone	<b>Survey Type:</b>	DGPS	<b>Logged By:</b>	JMS	<b>Hole Type:</b>	DD
<b>UTM Grid:</b>	NAD83_Z15	<b>Survey By:</b>	P Johnson	<b>Date Started:</b>	2021-11-06	<b>Hole Diameter:</b>	7.57
<b>UTM East:</b>	507235.836	<b>Azimuth:</b>	0	<b>Date Completed:</b>	2021-11-14	<b>Core Size:</b>	NQ
<b>UTM North:</b>	5968608.212	<b>Dip:</b>	-56	<b>Drill Company:</b>	Mike	<b>Casing Pulled?:</b>	<input type="checkbox"/>
<b>UTM Elevation (m):</b>	275	<b>Length (m):</b>	344	<b>Drill Rig:</b>	Rig1	<b>Casing Depth (m):</b>	
<b>Local Grid:</b>		<b>NTS:</b>	53F15	<b>Drill Started:</b>	2021-11-04	<b>Reduced (m):</b>	
<b>Local East:</b>		<b>Township:</b>	Lingman Lake Area	<b>Drill Completed:</b>	2021-11-09	<b>Reduced Size:</b>	
<b>Local North:</b>		<b>Claim No.:</b>				<b>Oriented?:</b>	<input type="checkbox"/>
<b>Local Elevation (m):</b>		<b>Comments:</b>	Logged by John S and E. Vida, this utm should be check unsure if correct				
<b>Hole Status:</b>	Completed						
<b>Hole Purpose:</b>	EXPL						

Depth (m)	Survey Method	Survey By	Date Surveyed	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Mag. Field	Accept Values?	Comments
0	DeviGyro	Scott	2021-11-10	-55.4678	354	0	354		<input checked="" type="checkbox"/>	
5	DeviGyro	Scott	2021-11-10	-56.0356	354.3	0	354.3		<input checked="" type="checkbox"/>	
10	DeviGyro	Scott	2021-11-10	-55.9473	354.5	0	354.5		<input checked="" type="checkbox"/>	
15	DeviGyro	Scott	2021-11-10	-55.9767	354.5	0	354.5		<input checked="" type="checkbox"/>	
20	DeviGyro	Scott	2021-11-10	-55.9365	354.5	0	354.5		<input checked="" type="checkbox"/>	
25	DeviGyro	Scott	2021-11-10	-55.8519	354.4	0	354.4		<input checked="" type="checkbox"/>	
30	DeviGyro	Scott	2021-11-10	-55.7234	354.4	0	354.4		<input checked="" type="checkbox"/>	
35	DeviGyro	Scott	2021-11-10	-55.6401	354.5	0	354.5		<input checked="" type="checkbox"/>	
40	DeviGyro	Scott	2021-11-10	-55.5728	354.9	0	354.9		<input checked="" type="checkbox"/>	
45	DeviGyro	Scott	2021-11-10	-55.4163	355	0	355		<input checked="" type="checkbox"/>	

Hole: LM21-29

Depth (m)	Survey Method	Survey By	Date Surveyed	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Mag. Field	Accept Values?	Comments
50	DeviGyro	Scott	2021-11-10	-55.3119	355	0	355		<input checked="" type="checkbox"/>	
55	DeviGyro	Scott	2021-11-10	-55.2334	355.2	0	355.2		<input checked="" type="checkbox"/>	
60	DeviGyro	Scott	2021-11-10	-55.1726	355	0	355		<input checked="" type="checkbox"/>	
65	DeviGyro	Scott	2021-11-10	-55.0999	355.2	0	355.2		<input checked="" type="checkbox"/>	
70	DeviGyro	Scott	2021-11-10	-54.7981	355.1	0	355.1		<input checked="" type="checkbox"/>	
75	DeviGyro	Scott	2021-11-10	-54.8186	355.6	0	355.6		<input checked="" type="checkbox"/>	
80	DeviGyro	Scott	2021-11-10	-54.7098	355.7	0	355.7		<input checked="" type="checkbox"/>	
85	DeviGyro	Scott	2021-11-10	-54.436	355.8	0	355.8		<input checked="" type="checkbox"/>	
90	DeviGyro	Scott	2021-11-10	-54.4384	355.9	0	355.9		<input checked="" type="checkbox"/>	
95	DeviGyro	Scott	2021-11-10	-54.1527	356	0	356		<input checked="" type="checkbox"/>	
100	DeviGyro	Scott	2021-11-10	-54.1479	356.1	0	356.1		<input checked="" type="checkbox"/>	
105	DeviGyro	Scott	2021-11-10	-53.9937	356.2	0	356.2		<input checked="" type="checkbox"/>	
110	DeviGyro	Scott	2021-11-10	-53.832	356.2	0	356.2		<input checked="" type="checkbox"/>	
115	DeviGyro	Scott	2021-11-10	-53.8221	356.2	0	356.2		<input checked="" type="checkbox"/>	
120	DeviGyro	Scott	2021-11-10	-53.5518	356.4	0	356.4		<input checked="" type="checkbox"/>	
125	DeviGyro	Scott	2021-11-10	-53.6152	356.5	0	356.5		<input checked="" type="checkbox"/>	
130	DeviGyro	Scott	2021-11-10	-53.4269	356.6	0	356.6		<input checked="" type="checkbox"/>	
135	DeviGyro	Scott	2021-11-10	-53.2743	356.7	0	356.7		<input checked="" type="checkbox"/>	
140	DeviGyro	Scott	2021-11-10	-53.1755	356.9	0	356.9		<input checked="" type="checkbox"/>	
145	DeviGyro	Scott	2021-11-10	-53.1362	357	0	357		<input checked="" type="checkbox"/>	
150	DeviGyro	Scott	2021-11-10	-52.993	357.2	0	357.2		<input checked="" type="checkbox"/>	
155	DeviGyro	Scott	2021-11-10	-52.8249	357.2	0	357.2		<input checked="" type="checkbox"/>	
160	DeviGyro	Scott	2021-11-10	-52.8673	357.3	0	357.3		<input checked="" type="checkbox"/>	



Hole: LM21-29

Depth (m)	Survey Method	Survey By	Date Surveyed	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Mag. Field	Accept Values?	Comments
165	DeviGyro	Scott	2021-11-10	-52.6788	357.3	0	357.3		<input checked="" type="checkbox"/>	
170	DeviGyro	Scott	2021-11-10	-52.6464	357.4	0	357.4		<input checked="" type="checkbox"/>	
175	DeviGyro	Scott	2021-11-10	-52.6183	357.4	0	357.4		<input checked="" type="checkbox"/>	
180	DeviGyro	Scott	2021-11-10	-52.4182	357.4	0	357.4		<input checked="" type="checkbox"/>	
185	DeviGyro	Scott	2021-11-10	-52.3931	357.6	0	357.6		<input checked="" type="checkbox"/>	
190	DeviGyro	Scott	2021-11-10	-51.9519	357.5	0	357.5		<input checked="" type="checkbox"/>	
195	DeviGyro	Scott	2021-11-10	-51.9049	357.5	0	357.5		<input checked="" type="checkbox"/>	
200	DeviGyro	Scott	2021-11-10	-51.6923	357.5	0	357.5		<input checked="" type="checkbox"/>	
205	DeviGyro	Scott	2021-11-10	-51.568	357.7	0	357.7		<input checked="" type="checkbox"/>	
210	DeviGyro	Scott	2021-11-10	-51.4606	357.9	0	357.9		<input checked="" type="checkbox"/>	
215	DeviGyro	Scott	2021-11-10	-51.0025	358.2	0	358.2		<input checked="" type="checkbox"/>	
220	DeviGyro	Scott	2021-11-10	-50.9591	358.3	0	358.3		<input checked="" type="checkbox"/>	
225	DeviGyro	Scott	2021-11-10	-50.6613	358.3	0	358.3		<input checked="" type="checkbox"/>	
230	DeviGyro	Scott	2021-11-10	-50.4251	358.6	0	358.6		<input checked="" type="checkbox"/>	
235	DeviGyro	Scott	2021-11-10	-50.0746	358.5	0	358.5		<input checked="" type="checkbox"/>	
240	DeviGyro	Scott	2021-11-10	-49.756	358.8	0	358.8		<input checked="" type="checkbox"/>	
245	DeviGyro	Scott	2021-11-10	-49.2359	358.9	0	358.9		<input checked="" type="checkbox"/>	
250	DeviGyro	Scott	2021-11-10	-48.6581	359.3	0	359.3		<input checked="" type="checkbox"/>	
255	DeviGyro	Scott	2021-11-10	-47.696	359.8	0	359.8		<input checked="" type="checkbox"/>	
260	DeviGyro	Scott	2021-11-10	-47.1785	359.9	0	359.9		<input checked="" type="checkbox"/>	
265	DeviGyro	Scott	2021-11-10	-46.8319	359.8	0	359.8		<input checked="" type="checkbox"/>	
270	DeviGyro	Scott	2021-11-10	-46.2706	359.9	0	359.9		<input checked="" type="checkbox"/>	
275	DeviGyro	Scott	2021-11-10	-46.1131	0.1	0	0.1		<input checked="" type="checkbox"/>	

Hole: LM21-29

Depth (m)	Survey Method	Survey By	Date Surveyed	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Mag. Field	Accept Values?	Comments
280	DeviGyro	Scott	2021-11-10	-45.6846	0.3	0	0.3		<input checked="" type="checkbox"/>	
285	DeviGyro	Scott	2021-11-10	-45.6862	0.5	0	0.5		<input checked="" type="checkbox"/>	
290	DeviGyro	Scott	2021-11-10	-45.4066	0.5	0	0.5		<input checked="" type="checkbox"/>	
295	DeviGyro	Scott	2021-11-10	-45.3101	0.7	0	0.7		<input checked="" type="checkbox"/>	
300	DeviGyro	Scott	2021-11-10	-45.0917	0.6	0	0.6		<input checked="" type="checkbox"/>	
305	DeviGyro	Scott	2021-11-10	-45.0573	0.6	0	0.6		<input checked="" type="checkbox"/>	
310	DeviGyro	Scott	2021-11-10	-44.9025	0.7	0	0.7		<input checked="" type="checkbox"/>	
315	DeviGyro	Scott	2021-11-10	-45.0427	0.6	0	0.6		<input checked="" type="checkbox"/>	
320	DeviGyro	Scott	2021-11-10	-44.8646	0.8	0	0.8		<input checked="" type="checkbox"/>	
325	DeviGyro	Scott	2021-11-10	-44.9978	0.8	0	0.8		<input checked="" type="checkbox"/>	
330	DeviGyro	Scott	2021-11-10	-44.926	0.8	0	0.8		<input checked="" type="checkbox"/>	
335	DeviGyro	Scott	2021-11-10	-44.8544	0.7	0	0.7		<input checked="" type="checkbox"/>	
336.188	DeviGyro	Scott	2021-11-10	-44.8554	0.7	0	0.7		<input checked="" type="checkbox"/>	

Hole: LM21-29

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best gpt	Ag Best ppm	Cu Best ppm	As ICP ppm	S ICP pct
<b>0.00</b>	<b>12.00</b>	<b>CAS Casing</b>									
<b>12.00</b>	<b>22.35</b>	<b>MV Mafic Volcanics</b>	15.00	16.00	1.00	412226	0.039	1.6	1530	25	0.81
			20.00	21.00	1.00	412227	0.0025	0.1	88	29	0.04
			21.00	22.00	1.00	412228	0.005	0.3	175	29	0.71
			22.00	23.00	1.00	412229	0.014	1.5	230	112	0.31
<b>22.35</b>	<b>26.75</b>	<b>MV Mafic Volcanics</b>	23.00	24.00	1.00	412231	0.24	0.6	185	247	0.54
			24.00	25.00	1.00	412232	0.745	1.3	259	1400	4.19
			25.00	26.00	1.00	412233	0.02	1	192	296	1.77
			26.00	27.00	1.00	412234	0.021	0.6	157	31	0.14
<b>26.75</b>	<b>54.64</b>	<b>MV Mafic Volcanics</b>	35.00	36.00	1.00	412235	0.03	0.1	247	25	0.03
			36.00	37.00	1.00	412237	0.02	0.1	2	50	0.005
			37.00	38.00	1.00	412238	0.098	0.6	326	76	0.3
			38.00	39.00	1.00	412239	0.123	1.1	496	8	2.75
			39.00	40.00	1.00	412241	0.075	0.9	473	210	0.85
			40.00	41.00	1.00	412242	0.096	1.1	274	4950	1.1
			41.00	42.00	1.00	412243	0.053	0.7	363	136	0.28
			42.00	43.00	1.00	412244	0.031	0.6	289	198	0.8
			43.00	44.00	1.00	412245	0.049	0.5	223	79	0.45
			44.00	45.00	1.00	412246	0.024	0.5	106	280	0.32
			45.00	46.00	1.00	412247	0.027	0.3	59	154	0.19
			46.00	47.00	1.00	412248	0.016	0.9	660	16	0.68
			47.00	48.00	1.00	412249	0.069	2.1	768	20	0.46
			48.00	49.00	1.00	412251	0.044	2.7	945	456	0.46
			49.00	50.00	1.00	412252	0.211	2.1	462	264	0.67
			50.00	51.00	1.00	412253	0.044	2.7	646	834	1.24
			51.00	52.00	1.00	412254	0.062	0.7	260	105	0.39
			52.00	53.00	1.00	412255	0.109	1.4	598	30	0.31
			53.00	54.00	1.00	412257	0.011	0.4	204	24	0.2

Hole: LM21-29

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best gpt	Ag Best ppm	Cu Best ppm	As ICP ppm	S ICP pct
<b>54.64</b>	<b>96.50</b>	<b>MV Mafic Volcanics</b>	54.00	55.00	1.00	412258	0.054	3.7	1750	14	1.04
			55.00	56.00	1.00	412259	0.008	0.4	318	27	0.34
			96.00	97.00	1.00	412261	0.061	1.3	278	78	0.3
<b>96.50</b>	<b>101.55</b>	<b>MV Mafic Volcanics</b>	97.00	98.00	1.00	412262	0.047	1.1	142	97	0.26
			98.00	99.00	1.00	412263	0.01	0.1	9	106	0.03
			99.00	100.00	1.00	412264	0.336	1.2	48	56	0.86
			100.00	101.00	1.00	412265	0.233	0.6	148	5220	0.97
			101.00	102.00	1.00	412266	1.38	1.8	260	1250	0.8
			115.50	116.00	0.50	412271	0.008	0.3	193	2820	0.84
			116.00	117.00	1.00	412272	0.019	0.6	295	120	0.53
			117.00	118.00	1.00	412273	0.01	0.5	211	42	0.11
118.00	119.00	1.00	412274	0.009	0.4	193	39	0.09			
119.00	120.00	1.00	412275	0.027	0.9	366	44	0.17			
120.00	121.00	1.00	412277	0.053	0.5	175	302	0.66			
121.00	122.00	1.00	412278	0.019	1	276	142	0.97			
122.00	123.00	1.00	412279	0.079	0.6	278	43	1.24			
123.00	124.00	1.00	412281	0.154	0.4	171	63	0.72			
124.00	125.00	1.00	412282	0.009	0.1	14	183	0.01			
125.00	126.00	1.00	412283	0.008	0.1	44	145	0.01			
126.00	127.00	1.00	412284	0.008	0.1	30	101	0.005			
127.00	128.00	1.00	412285	0.02	0.6	183	134	0.4			
128.00	129.00	1.00	412286	0.065	1	442	101	1.03			
129.00	130.00	1.00	412287	0.017	0.7	220	23	0.42			
<b>134.73</b>	<b>162.78</b>	<b>QFPO Quartz Feldspar Porphyry</b>									

Hole: **LM21-29**

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best gpt	Ag Best ppm	Cu Best ppm	As ICP ppm	S ICP pct
<b>244.40</b>	<b>257.40</b>	<b>MV Mafic Volcanics</b>									
		<b>grey CG</b>	245.00	246.00	1.00	412325	0.014	0.4	135	6	0.13
<p>MVm - Carbonate Mafic Volcanic, cg with 1 to 2 cm amphiboles and QCVnlts cementing minor bx. Intercalated with white and/or pinkish QFP, 0.2 cm to 38 cm thick. MVc is weakly Fol to moderately Fol layers.          257.4 to 284.m, MVm - Carbonate Mafic Volcanic, intercalated ms to fol layers, mg to cg.</p>											
<<Min: 247.8 - 248: 1.5% pyrrhotite / 1.5% pyrrhotite>>											
			246.00	247.00	1.00	412326	0.0025	0.3	111	6	0.08
<<Min: 249.9 - 250.6: 1.5% pyrrhotite / 1.5% pyrrhotite>> Po interstitial to QCV											
			247.00	248.00	1.00	412327	0.015	0.3	91	4	0.19
<<Min: 251.25 - 252.25: 1% pyrrhotite / 1% pyrrhotite>> Po interstitial to QCV, Intersitial to host rock											
			248.00	249.00	1.00	412328	0.021	0.4	115	4	0.09
<<Min: 256 - 257.33: 7% pyrrhotite / 1% pyrrhotite>> Po interstitial to QV											
			249.00	249.93	0.93	412329	0.51	0.8	127	2	0.28
<<Alt: 244.4 - 245: weak to moderate Silicification >>											
			249.93	250.90	0.97	412331	0.524	0.5	59	2	0.17
<<Alt: 245 - 245.5: weak to moderate Silicification / weak to moderate Potassic >> K alterations are limited to intercalated QFP's with widths ranging from 0.5 to 3 cm wide. K alt between 245 to 245.5 m.											
			250.90	251.90	1.00	412332	0.939	0.7	51	5	0.14
<<Alt: 245.5 - 246: weak to moderate Silicification >>											
			251.90	253.00	1.10	412333	0.112	0.2	46	28	0.1
<<Alt: 246 - 246.7: weak to moderate Silicification / moderate Potassic >> K alterations are limited to intercalated QFP's with widths ranging from 0.2 to 2 cm wide. K alt between 246 to 246.7 m.											
			253.00	254.00	1.00	412334	0.024	0.1	43	32	0.07
<<Alt: 246.7 - 247: weak to moderate Silicification >>											
			254.00	255.00	1.00	412335	0.03	0.2	132	25	0.12
<<Alt: 247 - 248: weak to moderate Silicification / weak Potassic >> K alterations are limited to intercalated QFP's with widths ranging from 0.2 to 13 cm wide. K alt between 247 to 248 m.											
			255.00	256.00	1.00	412337	0.019	0.3	157	17	0.39
<<Alt: 248 - 252: weak to moderate Silicification >>											
			256.00	257.00	1.00	412338	0.124	0.5	170	12	1.47
<<Alt: 252 - 253.55: weak to moderate Silicification / moderate Potassic >> K alterations are limited to intercalated QFP's with widths ranging from 0.2 to 2 cm wide. K alt from 252 to 254.5 m											
			257.00	258.50	1.50	412339	0.019	0.2	48	20	0.09
<<Alt: 253.55 - 255.94: moderate Epidote / moderate Potassic >> K alterations are limited to intercalated QFP's with widths ranging from 0.2 to 38 cm wide. K alt between 252 to 254.5 m. Epidote alteration from 253.55 to 255.94 m.											
<<Alt: 255.94 - 257: weak to moderate Silicification >>											
<<Alt: 257 - 257.4: weak to moderate Silicification / weak Potassic >> K alterations are limited to intercalated QFP's with widths ranging from 0.2 to 10 cm wide. K alt between 257 to 257.4 m.											
<<Struc: 246.44 - 246.88: moderate Foliated 50 deg. >>											
<<Struc: 247.8 - 247.8: strong Contact 70 deg. >> U/C with QFP											
<<Struc: 247.93 - 247.93: moderate to strong Contact 40 deg. >> L/C with QFP											
<<Struc: 253.55 - 253.55: strong Contact 35 deg. >> U/C with QFP											
<<Struc: 253.93 - 253.93: strong Contact 40 deg. >> L/C with QFP											
<<Struc: 257.24 - 257.24: strong Contact 40 deg. >> U/C with QFP											

Hole: **LM21-29**

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best gpt	Ag Best ppm	Cu Best ppm	As ICP ppm	S ICP pct
<<Struc: 257.33 - 257.33: strong Contact 50 deg. >> L/C with QFP											
<b>257.40</b>	<b>284.00</b>	<b>MV Mafic Volcanics</b>									
		<b>grey MCG</b>	258.50	259.50	1.00	412341	0.078	0.3	98	26	0.26
MVm - Carbonate Mafic Volcanic, mg to cg with 1 to 2 cm amphiboles and QC and QCVnlts cementing minor bx. Intense zones of Bx 40 to 2.11 m wide. Minor subhedral Mt occurrences throughout interval. MVm intercalated with Light pinkish QFP, 4 cm to 56 cm thick. MVc intercalated, massive to weakly fol layers,											
QFP, 258.06 to 258.52 m, Light Pink QFP, 261.1 to 261.7 m, Light Pink QFP, 262.11 to 262.15 m, Light Pink QFP, 264.7 to 265.33 m, Light Pink QFP, 266.22 to 266.33 m, Light Pink QFP, 266.75 to 267 m, Light Pink QFP, 267.45 to 267.9 m, Light Pink QFP, 269.25 to 269.36 m, Light Pink QFP, 274.36 to 274.52 m, Light Pink QFP, 275.14 to 275.54 m, Light Pink QFP, 278.98 to 281.09 m, Light Pink											
282.17 to 283.0 m: Altered Mafic Volcanic with tuffaceous/cherty appearance. Light pink grey.											
<<Min: 258.85 - 259.3: 3% pyrrhotite / 2% pyrrhotite>> Po, interstitial and Bx fracture fill.											
			259.50	261.00	1.50	412342	0.052	0.1	47	44	0.13
<<Min: 260.33 - 260.6: 1% pyrrhotite / 1% pyrrhotite>> Po rim QCVnlts and QCV, interstitial											
			261.00	262.00	1.00	412343	0.126	0.7	44	119	1.13
<<Min: 261.7 - 262.15: 3% pyrrhotite / 2% pyrrhotite>> Po interstitial and parallel to Fol.											
			262.00	263.00	1.00	412344	0.038	0.5	26	69	0.63
<<Min: 262.44 - 263: 3% pyrrhotite / 2% pyrrhotite>> Po interstitial and parallel to Fol.											
			263.00	264.00	1.00	412345	0.111	0.8	144	39	0.27
<<Min: 263 - 264.7: 3% pyrrhotite / 1% pyrrhotite / 1% pyrrhotite / 0.1% pyrite>> Po parallel to Fol and ds-fg											
			264.00	265.00	1.00	412346	1.7	0.8	110	213	1.02
<<Min: 266 - 271: 2% pyrrhotite / 0.1% pyrite>> Po interstitial, parallel to Fol and rim QV											
			265.00	266.00	1.00	412347	0.024	0.5	75	13	0.16
<<Min: 271 - 275: 3% pyrrhotite / 0.1% pyrite>> Po rimming QCVnlts, Interstitial, and Bx-ff.											
			266.00	267.00	1.00	412348	0.017	0.4	124	9	0.18
<<Alt: 257.4 - 258.06: weak Silicification >>											
			267.00	268.00	1.00	412349	0.011	0.3	60	7	0.2
<<Alt: 258.06 - 258.52: strong Silicification / weak to moderate Potassic >>											
			268.00	269.00	1.00	412351	0.017	0.6	146	6	0.49
<<Alt: 261.1 - 261.7: strong Silicification / moderate Potassic >>											
			269.00	270.04	1.04	412352	1.75	0.9	88	5	1.78
<<Alt: 262.11 - 262.15: strong Silicification >>											
			270.04	271.00	0.96	412353	0.027	0.6	233	3	0.7
<<Alt: 264.7 - 265.33: moderate Silicification / weak to moderate Potassic >>											
			271.00	272.00	1.00	412354	1.28	0.8	142	1	1.65
<<Alt: 266.22 - 266.73: moderate Silicification / weak to moderate Potassic >>											
			272.00	273.00	1.00	412355	2.52	0.8	103	6	1.17
<<Alt: 266.75 - 267: strong Silicification / weak Potassic >>											
			273.00	274.00	1.00	412357	0.448	0.5	99	5	0.68
<<Alt: 267.45 - 267.9: strong Silicification / weak to moderate Potassic >>											
			274.00	275.00	1.00	412358	0.053	0.4	78	18	0.32

Hole: LM21-29

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best gpt	Ag Best ppm	Cu Best ppm	As ICP ppm	S ICP pct
		<<Alt: 269.25 - 269.36: weak to moderate Silicification >>	275.00	276.65	1.65	412359	0.021	0.4	69	9	0.19
		<<Alt: 274.36 - 274.52: strong Silicification / moderate Potassic >>									
		<<Alt: 275.11 - 275.54: strong Silicification / moderate Potassic >>									
		<<Alt: 278.98 - 281.09: moderate to strong Silicification / moderate Potassic >>									
		<<Alt: 282.17 - 283.09: weak to moderate Silicification / moderate to strong Potassic >>									
		<<Struc: 258.06 - 258.06: strong Contact 50 deg. >> U/C									
		<<Struc: 258.52 - 258.52: strong Contact 65 deg. >> L/C									
		<<Struc: 261.1 - 261.1: strong Contact 40 deg. >> U/C									
		<<Struc: 261.7 - 261.7: weak Contact>> L/C bx									
		<<Struc: 262.11 - 262.11: strong Contact 60 deg. >> U/C									
		<<Struc: 262.15 - 262.15: strong Contact 55 deg. >> L/C									
		<<Struc: 262.151 - 262.43: moderate to strong Foliated 58 deg. >>									
		<<Struc: 264.7 - 264.7: strong Contact 60 deg. >> U/C									
		<<Struc: 265.33 - 265.33: strong Contact 60 deg. >> L/C									
		<<Struc: 268 - 269: moderate to strong Foliated 43 deg. / moderate to strong Foliated 50 deg. >> Foliation of Mafic amphiboles.									
		<<Struc: 269 - 269: strong Contact 50 deg. >> U/C									
		<<Struc: 269.01 - 269.249: moderate Brecciated >> BX with QCV and QCVnlts cementation									
		<<Struc: 269.25 - 269.25: strong Contact 20 deg. >> L/C									
		<<Struc: 274.36 - 274.36: strong Contact 50 deg. >> U/C									
		<<Struc: 274.52 - 274.52: strong Contact 50 deg. >> L/C									
		<<Struc: 275.11 - 275.11: strong Contact 30 deg. >> U/C									
		<<Struc: 275.54 - 275.54: strong Contact 50 deg. >> L/C									
		<<Struc: 278.98 - 278.98: strong Contact 60 deg. >> U/C									
		<<Struc: 281.09 - 281.09: strong Contact 80 deg. >> L/C									
		<<Struc: 282.17 - 282.17: strong Contact 60 deg. >> U/C Sharp and displaced									
		<<Struc: 282.171 - 283.09: moderate Foliated 65 deg. >>									
		<<Struc: 283.09 - 283.09: strong Contact 60 deg. >> L/C									

Hole: **LM21-29**

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best gpt	Ag Best ppm	Cu Best ppm	As ICP ppm	S ICP pct
<b>284.00</b>	<b>317.67</b>	<b>MV Mafic Volcanics</b>									
		<b>grey CG</b>	287.28	288.28	1.00	412361	0.269	1	79	1	0.12
<p>MVc, grey to grey-green, mg to cg amphibolitic mafic volcanic. Well foliated amphiboles, 1 to 3 mm. Intercalated light pink QFP ranging from 0.12 m to 1.49 m wide. 311.53 to 317.67 m, Gabbroic/Amphibolite, grey-green, cg, 1 to 2 mm amphiboles.</p> <p>302.51 to 309.25 m, Shear Zone - North Zone, white to greenish grey, well Fol and Bx with Qtz-Cb cementation, Bands of Mt from 307 to 307.5 m.</p> <p>311.53 to 317.67 m, Gabbroic Mafic Volcanic (MVc), greenish grey, cg, massive, with 1 to 2 mm amphibole phenocrysts.</p> <p>QFP, 284.97 to 285.95 m, light pink QFP, 286.33 to 287.67 m, white to light pink QFP, 288.68 to 288.8 m, light pink QFP, 288.9 to 290.39 m, pink granite QFP, 293.33 to 293.62 m, light pink QFP, 297.11 to 297.17 m, pink QFP, 298.31 to 298.42 m, pink QFP, 298.55 to 298.63 m, pink QFP, 300.18 to 300.51 m, pink, irregular U/C QFP, 300.9 to 301.06 m, pink</p>											
<<Min: 288.28 - 288.38: 2% pyrrhotite / 1% pyrrhotite>> Po, bx ff and ff and QV			288.28	289.06	0.78	412362	0.176	1.2	166	1	0.74
<<Min: 288.68 - 288.8: 5% pyrrhotite>> Po, bx-ff			291.17	291.78	0.61	412363	0.53	0.9	89	9	0.85
<<Min: 288.9 - 289.06: 54% pyrrhotite>> Po, bx-ff			300.00	301.45	1.45	412364	0.016	1.1	77	3	0.28
<<Min: 291.17 - 291.78: 2% pyrrhotite>> Po, Bx-ff			301.45	302.45	1.00	412365	0.015	1.1	131	3	0.3
<<Min: 296.15 - 296.3: 2% pyrrhotite>> Parallel to Fol.			302.45	303.45	1.00	412367	0.283	1.9	71	1	0.96
<<Min: 301.65 - 301.71: 2% pyrite / 2% pyrite / 0.1% pyrrhotite / 1% arsenopyrite>> Py, interstitial, bx-ff Aspy, parallel to Fol.			303.45	304.45	1.00	412368	0.225	1.9	64	4	1.43
<<Min: 302.31 - 309.25: 7% pyrite / 2% pyrrhotite / 3% arsenopyrite>> Py, ds-vcg to ds-cg, sub-hedral, 3 mm to 1 to 3 mm in size, parellel to Fol and Interstitial. Po, anhedral, interstitial, parallel to Fol Aspy, interstitial, parallel to Fol, cg ranging from 1 to 3 mm.			304.45	305.46	1.01	412369	0.127	3.2	88	4	2.38
Magnetitie, 307 to 307.5 m, Bands of Mt.											
<<Alt: 284.97 - 285.95: moderate to strong Silicification / weak Biotite / weak Potassic >>			305.46	306.48	1.02	412371	0.055	2.6	110	4	1.42
<<Alt: 286.33 - 287.67: moderate to strong Silicification / weak to moderate Potassic >>			306.48	307.45	0.97	412372	0.247	3.6	123	22	3.15
<<Alt: 288.68 - 288.8: strong Silicification / weak to moderate Potassic >>			307.45	308.45	1.00	412373	1.89	3.8	51	16	3.54
<<Alt: 288.9 - 290.39: strong Silicification / strong Potassic >>			308.45	309.45	1.00	412374	3.22	4.3	191	10	4.01



Hole: LM21-29

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best gpt	Ag Best ppm	Cu Best ppm	As ICP ppm	S ICP pct
		<<Alt: 293.33 - 293.62: strong Silicification / strong Potassic >>	309.45	310.35	0.90	412375	0.021	1.4	170	7	1.11
		<<Alt: 297.11 - 297.17: strong Silicification / strong Potassic >>	310.35	311.35	1.00	412377	0.012	1.7	211	7	1.25
		<<Alt: 298.31 - 298.42: strong Silicification / strong Potassic >>	311.35	312.85	1.50	412378	0.055	0.8	120	3	0.35
		<<Alt: 298.55 - 298.63: strong Silicification / strong Potassic >>									
		<<Alt: 300.18 - 300.51: strong Silicification / moderate to strong Potassic >>									
		<<Alt: 300.9 - 301.06: strong Silicification / strong Potassic >>									
		<<Struc: 284.97 - 284.97: strong Contact 50 deg. >> U/C									
		<<Struc: 285.95 - 285.95: strong Contact 50 deg. >> L/C									
		<<Struc: 286.33 - 286.33: strong Contact 60 deg. >> U/C									
		<<Struc: 287.6 - 287.6: strong Contact 60 deg. >> L/C									
		<<Struc: 288.2 - 288.28: strong Brecciated >> BC: Broken Core									
		<<Struc: 288.28 - 288.38: moderate Brecciated >>									
		<<Struc: 288.68 - 288.8: moderate Brecciated >>									
		<<Struc: 288.9 - 288.9: strong Contact 45 deg. >>									
		<<Struc: 290.39 - 290.39: strong Contact 55 deg. >> L/C									
		<<Struc: 290.391 - 293: moderate Foliated 55 deg. >> Foliation of amphiboles.									
		<<Struc: 293 - 293.33: moderate Foliated 60 deg. >>									
		<<Struc: 293.33 - 293.33: strong Contact 40 deg. >> U/C									
		<<Struc: 293.62 - 293.62: strong Contact 70 deg. >> L/C									
		<<Struc: 293.621 - 295.8: moderate Foliated 60 deg. >>									
		<<Struc: 297.11 - 297.11: strong Contact 50 deg. >> U/C									
		<<Struc: 297.17 - 297.17: strong Contact 65 deg. >> L/C									
		<<Struc: 298.31 - 298.31: strong Contact 70 deg. >> U/C									
		<<Struc: 298.42 - 298.42: strong Contact 50 deg. >> L/C									
		<<Struc: 298.55 - 298.55: strong Contact 55 deg. >> U/C									
		<<Struc: 298.63 - 298.63: strong Contact 65 deg. >> L/C									
		<<Struc: 298.631 - 299: moderate to strong Foliated 70 deg. >>									
		<<Struc: 299 - 299.16: moderate to strong Foliated 50 deg. >>									
		<<Struc: 300.18 - 300.51: moderate Contact>> Irregular and Bx contacts									

Hole: LM21-29

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best gpt	Ag Best ppm	Cu Best ppm	As ICP ppm	S ICP pct	
<<Struc: 300.9 - 301.06: moderate Brecciated >> <<Struc: 302.51 - 309.25: strong Sheared 70 deg. / strong Brecciated >> Shear Zone - North Zone, white to greenish grey, well Fol and Bx with Qtz-Cb cementation, Qtz-Cb cementation of Bx from 303.3 to 303.9 m and 304.2 to 304.6 m. Fol, 305 to 305.6 m, 65 deg Qtz-Cb cementation of Bx from 306.5 to 308.1 m. Qtz-Cb cementation of Bx from 308.3 to 309.25 m and local SZ foliation of 50 deg..												
<<Struc: 315.25 - 315.25: strong Brecciated >> BC, broken core <<Struc: 316.3 - 316.35: Brecciated >> BC, broken core.												
<b>317.67</b>	<b>320.48</b>	<b>MV Mafic Volcanics</b>	<b>grey</b>			<b>MG</b>						
MVc with transitioning pseudo-Leopard Rock. Gabbroic/Amphibolite Mafic Volcanic, greenish grey, cg, containing pseudo-Leopard Rock with minor appearance of sub-hedral to anhedral white Fsp porphyries, 1 mm to 1.5 cm in size. Gabbroic Mafic Volcanic with 1 to 2 mm black amphiboles porphyries.												
		<<Min: 320.42 - 321.5: 1% arsenopyrite / 0.5% arsenopyrite / 0.5% arsenopyrite>>	Aspy, fg-ds, rim QV, Bx-ff.	320.44	321.00	0.56	412381	0.021	0.3	59	8	0.1
<<Struc: 320.42 - 321.5: moderate Brecciated >> Bx with Qtz-Cb cementation. BC, 321 to 321.2 m QV, 321.2 to 321.25 m, L/C 20 deg												
<b>320.48</b>	<b>344.00</b>	<b>LEP Leopard Rock</b>	<b>grey</b>			<b>MCG</b>						
EOH @ 344 m Leopard Rock, glomeroporphyritic, greenish grey gabbroic cg to mg mafic volcanic with white subhedral to anhedral feldspar glomeroporphyries, 2 mm to 4 cm. Mg from 322 to 344 m.												
		<<Alt: 339 - 339.5: weak Chlorite >>		321.50	323.00	1.50	412383	0.052	1.3	213	3	0.1
<<Vein: 321.2 - 321.25: Quartz>> <<Struc: 335.5 - 335.73: moderate Foliated 65 deg. >> <<Struc: 339 - 339.5: moderate Foliated 55 deg. >>												

End of Hole @ 344

**Project:** Lingman Lake mine

**Hole:** LM21-30

<b>Target:</b>	North Zone	<b>Survey Type:</b>	DGPS	<b>Logged By:</b>		<b>Hole Type:</b>	DD
<b>UTM Grid:</b>	NAD83_Z15	<b>Survey By:</b>	M Cardinal	<b>Date Started:</b>	2021-12-02	<b>Hole Diameter:</b>	7.57
<b>UTM East:</b>	507285.38	<b>Azimuth:</b>	2.52	<b>Date Completed:</b>		<b>Core Size:</b>	NQ
<b>UTM North:</b>	5968681.024	<b>Dip:</b>	-51.108	<b>Drill Company:</b>	Mike	<b>Casing Pulled?:</b>	<input type="checkbox"/>
<b>UTM Elevation (m):</b>	279.789	<b>Length (m):</b>	290	<b>Drill Rig:</b>	Rig2	<b>Casing Depth (m):</b>	
<b>Local Grid:</b>		<b>NTS:</b>	53F15	<b>Drill Started:</b>	2021-12-01	<b>Reduced (m):</b>	
<b>Local East:</b>		<b>Township:</b>	Lingman Lake Area	<b>Drill Completed:</b>	2021-12-05	<b>Reduced Size:</b>	
<b>Local North:</b>		<b>Claim No.:</b>	PAT-40606			<b>Oriented?:</b>	<input type="checkbox"/>
<b>Local Elevation (m):</b>		<b>Comments:</b>					
<b>Hole Status:</b>	Drilling						
<b>Hole Purpose:</b>	EXPL						

Depth (m)	Survey Method	Survey By	Date Surveyed	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Mag. Field	Accept Values?	Comments
0	DeviGyro	J Siriunas	2021-12-06	-51.2	2.52	0	2.52		<input checked="" type="checkbox"/>	
5	DeviGyro	J Siriunas	2021-12-06	-51.5	2.37	0	2.37		<input checked="" type="checkbox"/>	
10	DeviGyro	J Siriunas	2021-12-06	-51.2	2.4	0	2.4		<input checked="" type="checkbox"/>	
15	DeviGyro	J Siriunas	2021-12-06	-51.2	2.4	0	2.4		<input checked="" type="checkbox"/>	
20	DeviGyro	J Siriunas	2021-12-06	-51.2	2.39	0	2.39		<input checked="" type="checkbox"/>	
25	DeviGyro	J Siriunas	2021-12-06	-50.9	2.69	0	2.69		<input checked="" type="checkbox"/>	
30	DeviGyro	J Siriunas	2021-12-06	-50.8	2.83	0	2.83		<input checked="" type="checkbox"/>	
35	DeviGyro	J Siriunas	2021-12-06	-50.4	2.73	0	2.73		<input checked="" type="checkbox"/>	
40	DeviGyro	J Siriunas	2021-12-06	-50.4	2.87	0	2.87		<input checked="" type="checkbox"/>	
45	DeviGyro	J Siriunas	2021-12-06	-50.5	2.81	0	2.81		<input checked="" type="checkbox"/>	

Hole: **LM21-30**

Depth (m)	Survey Method	Survey By	Date Surveyed	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Mag. Field	Accept Values?	Comments
50	DeviGyro	J Siriunas	2021-12-06	-50.3	2.87	0	2.87		<input checked="" type="checkbox"/>	
55	DeviGyro	J Siriunas	2021-12-06	-50.5	2.71	0	2.71		<input checked="" type="checkbox"/>	
60	DeviGyro	J Siriunas	2021-12-06	-50.2	2.65	0	2.65		<input checked="" type="checkbox"/>	
65	DeviGyro	J Siriunas	2021-12-06	-50.3	2.82	0	2.82		<input checked="" type="checkbox"/>	
70	DeviGyro	J Siriunas	2021-12-06	-49.9	2.85	0	2.85		<input checked="" type="checkbox"/>	
75	DeviGyro	J Siriunas	2021-12-06	-49.8	2.96	0	2.96		<input checked="" type="checkbox"/>	
80	DeviGyro	J Siriunas	2021-12-06	-49.8	2.94	0	2.94		<input checked="" type="checkbox"/>	
85	DeviGyro	J Siriunas	2021-12-06	-49.5	3.09	0	3.09		<input checked="" type="checkbox"/>	
90	DeviGyro	J Siriunas	2021-12-06	-49.4	3.13	0	3.13		<input checked="" type="checkbox"/>	
95	DeviGyro	J Siriunas	2021-12-06	-48.9	2.94	0	2.94		<input checked="" type="checkbox"/>	
100	DeviGyro	J Siriunas	2021-12-06	-48.9	2.97	0	2.97		<input checked="" type="checkbox"/>	
105	DeviGyro	J Siriunas	2021-12-06	-48.8	2.89	0	2.89		<input checked="" type="checkbox"/>	
110	DeviGyro	J Siriunas	2021-12-06	-48.7	2.98	0	2.98		<input checked="" type="checkbox"/>	
115	DeviGyro	J Siriunas	2021-12-06	-48.6	2.9	0	2.9		<input checked="" type="checkbox"/>	
120	DeviGyro	J Siriunas	2021-12-06	-48.4	3.14	0	3.14		<input checked="" type="checkbox"/>	
125	DeviGyro	J Siriunas	2021-12-06	-48.2	3.41	0	3.41		<input checked="" type="checkbox"/>	
130	DeviGyro	J Siriunas	2021-12-06	-47.9	3.61	0	3.61		<input checked="" type="checkbox"/>	
135	DeviGyro	J Siriunas	2021-12-06	-47.7	3.81	0	3.81		<input checked="" type="checkbox"/>	
140	DeviGyro	J Siriunas	2021-12-06	-47	4.12	0	4.12		<input checked="" type="checkbox"/>	
145	DeviGyro	J Siriunas	2021-12-06	-46.6	4.15	0	4.15		<input checked="" type="checkbox"/>	
150	DeviGyro	J Siriunas	2021-12-06	-46.4	4.09	0	4.09		<input checked="" type="checkbox"/>	
155	DeviGyro	J Siriunas	2021-12-06	-46.3	4.21	0	4.21		<input checked="" type="checkbox"/>	
160	DeviGyro	J Siriunas	2021-12-06	-46.3	4.25	0	4.25		<input checked="" type="checkbox"/>	

Hole: LM21-30

Depth (m)	Survey Method	Survey By	Date Surveyed	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Mag. Field	Accept Values?	Comments
165	DeviGyro	J Siriunas	2021-12-06	-46.3	4.35	0	4.35		<input checked="" type="checkbox"/>	
170	DeviGyro	J Siriunas	2021-12-06	-46.2	4.37	0	4.37		<input checked="" type="checkbox"/>	
175	DeviGyro	J Siriunas	2021-12-06	-46.3	4.45	0	4.45		<input checked="" type="checkbox"/>	
180	DeviGyro	J Siriunas	2021-12-06	-46.3	4.48	0	4.48		<input checked="" type="checkbox"/>	
185	DeviGyro	J Siriunas	2021-12-06	-46.5	4.54	0	4.54		<input checked="" type="checkbox"/>	
190	DeviGyro	J Siriunas	2021-12-06	-46.3	4.46	0	4.46		<input checked="" type="checkbox"/>	
195	DeviGyro	J Siriunas	2021-12-06	-46.3	4.53	0	4.53		<input checked="" type="checkbox"/>	
196.735	DeviGyro	J Siriunas	2021-12-06	-46.4	4.54	0	4.54		<input checked="" type="checkbox"/>	

Hole: LM21-30

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best gpt	Ag Best ppm	Cu Best ppm	As ICP ppm	S ICP pct
0.00	1.00	CAS Casing									
1.00	31.87	MV Mafic Volcanics	5.00	6.00	1.00	412793	0.012	0.1	262	34	0.26
silicification contributing to local banded appearance silicified section with sulphides between 14.71 m and 15.57 m											
		dark grey	6.00	7.00	1.00	412794	0.179	0.2	222	622	0.45
			7.00	8.00	1.00	412795	0.011	0.3	255	16	0.26
			8.00	9.00	1.00	412797	0.011	0.3	144	31	0.27
			9.00	10.00	1.00	412798	0.172	0.4	170	39	0.75
			10.00	11.00	1.00	412799	0.066	0.2	87	29	0.22
			11.00	12.00	1.00	412801	0.009	0.1	58	20	0.2
			12.00	13.00	1.00	412802	0.006	0.1	32	32	0.12
			13.00	14.00	1.00	412803	0.0025	0.1	20	68	0.05
			14.00	15.00	1.00	412804	0.083	0.2	79	29	0.34
			15.00	16.00	1.00	412805	0.293	0.7	254	207	1.58
			16.00	17.00	1.00	412806	0.017	0.4	310	33	0.19
			17.00	18.00	1.00	412807	0.016	0.3	232	27	0.25
			18.00	19.00	1.00	412808	0.031	0.5	330	250	0.54
			19.00	20.00	1.00	412809	0.009	0.1	188	25	0.05
			20.00	21.00	1.00	412811	0.0025	0.1	204	14	0.08
			21.00	22.00	1.00	412812	0.0025	0.2	202	10	0.1
			22.00	23.00	1.00	412813	0.0025	0.3	255	3	0.17
			31.00	32.00	1.00	412814	0.008	0.6	35	44	0.07
31.87	47.00	QFPO Quartz Feldspar Porphyry	32.00	33.00	1.00	412815	0.0025	0.1	25	5	0.05
silicified sheared upper contact from 36.50 m to 40.50 m intersection is a strongly altered (sheared, silicified, hematized) breccia with the appearance of a biomictic limestone (NOT!) mix of QFPO and MV from 40.50 m to 47.00 m with much altered QZ - CL - CA veining and broken and lost core fault gouge and fault breccia with rounded, milled fragments between 41.50 m and 42.10 m											
			33.00	34.00	1.00	412817	0.0025	0.1	16	5	0.04
			34.00	35.00	1.00	412818	0.0025	0.1	17	7	0.04
			35.00	36.00	1.00	412819	0.0025	0.1	19	7	0.04

Hole: LM21-30

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best gpt	Ag Best ppm	Cu Best ppm	As ICP ppm	S ICP pct
			36.00	37.00	1.00	412821	0.044	1.8	464	45	0.07
			37.00	38.00	1.00	412822	0.195	0.1	2	604	0.15
			38.00	39.00	1.00	412823	0.755	0.1	1	4940	0.36
			39.00	40.00	1.00	412824	0.294	0.1	0.5	2160	0.47
			40.00	41.00	1.00	412825	0.192	1.8	8	1060	0.86
			41.00	42.00	1.00	412826	0.075	1.1	64	204	0.47
			42.00	43.00	1.00	412827	0.098	1.3	188	156	0.82
			43.00	44.00	1.00	412828	0.039	0.7	176	82	0.56
			44.00	45.00	1.00	412829	0.01	0.4	114	43	0.2
			45.00	46.00	1.00	412831	0.018	0.5	119	93	0.45
			46.00	47.00	1.00	412832	0.277	0.4	115	60	0.72
<b>47.00</b>	<b>52.10</b>	<b>MV</b>									
		<b>Mafic Volcanics</b>									
		fairly massive									
			47.00	48.00	1.00	412833	0.037	0.6	112	63	0.17
			48.00	49.00	1.00	412834	0.01	0.8	213	41	0.12
			49.00	50.00	1.00	412835	0.007	0.8	262	49	0.14
<b>52.10</b>	<b>57.88</b>	<b>QFPO</b>									
		<b>Quartz Feldspar Porphyry</b>									
		hazy plagioclase phenocrysts									
<b>57.88</b>	<b>92.00</b>	<b>MV</b>									
		<b>Mafic Volcanics</b>									
		some silicification at the upper contact									
		local silicified sections with trace sulphides									
			77.00	78.00	1.00	412837	0.037	0.4	56	37	0.39
			78.00	79.00	1.00	412838	0.032	0.3	106	13	0.17
			82.00	83.00	1.00	412839	0.018	0.5	142	39	0.17
			83.00	84.00	1.00	412841	1.71	16.3	184	2310	1.08
			84.00	85.00	1.00	412842	0.659	1.3	102	89	1.12
			85.00	86.00	1.00	412843	0.191	0.5	74	346	0.29
			86.00	87.00	1.00	412844	0.045	0.5	73	148	0.08
			87.00	88.00	1.00	412845	0.016	1.4	95	56	0.47
			88.00	89.00	1.00	412846	0.034	1.1	107	69	0.29
			89.00	90.00	1.00	412847	0.13	1.7	111	50	0.26

Hole: LM21-30

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best gpt	Ag Best ppm	Cu Best ppm	As ICP ppm	S ICP pct
			90.00	91.00	1.00	412848	10.1	100	156	4830	2.21
			91.00	92.00	1.00	412849	6.38	8.4	141	6830	5.01
<b>92.00</b>	<b>100.00</b>	<b>MV Mafic Volcanics</b> fairly hard local QZ - CA breccia	92.00	93.00	1.00	412851	0.005	1.4	111	46	0.24
			93.00	94.00	1.00	412852	0.0025	0.9	101	46	0.14
			94.00	95.00	1.00	412853	0.009	0.8	102	43	0.13
			95.00	96.00	1.00	412854	0.007	0.6	97	57	0.2
			96.00	97.00	1.00	412855	0.204	0.8	156	56	0.76
			97.00	98.00	1.00	412857	0.159	0.7	132	41	0.58
			98.00	99.00	1.00	412858	0.017	0.7	116	47	0.27
			99.00	100.00	1.00	412859	10.5	18	93	6320	3.45
<b>100.00</b>	<b>136.80</b>	<b>MV Mafic Volcanics</b>	100.00	101.00	1.00	412861	3.78	2.7	153	1970	2.39
			106.00	107.00	1.00	412862	0.018	0.3	68	52	0.15
			107.00	108.00	1.00	412863	0.596	0.9	208	275	3.47
			108.00	109.00	1.00	412864	0.011	0.6	70	45	0.22
			136.00	137.00	1.00	412865	0.13	0.9	61	9	0.34
<b>136.80</b>	<b>145.35</b>	<b>MV Mafic Volcanics</b> most sulphides around 141.60 m to 142.00 m	137.00	138.00	1.00	412866	0.082	0.1	14	2	0.35
			138.00	139.00	1.00	412867	1.23	0.8	56	24	1.36
			139.00	140.00	1.00	412868	0.007	0.6	80	6	0.08
			140.00	141.00	1.00	412869	0.01	0.6	88	9	0.16
			141.00	142.00	1.00	412871	0.798	0.7	65	78	2.12
			142.00	143.00	1.00	412872	0.019	0.1	2	3	0.02
			143.00	144.00	1.00	412873	0.017	0.4	3	10	0.03
			144.00	145.00	1.00	412874	0.077	0.3	37	28	0.61
			145.00	146.00	1.00	412875	0.074	0.4	74	3	0.31
<b>145.35</b>	<b>154.60</b>	<b>MV Mafic Volcanics</b>									



Hole: LM21-30

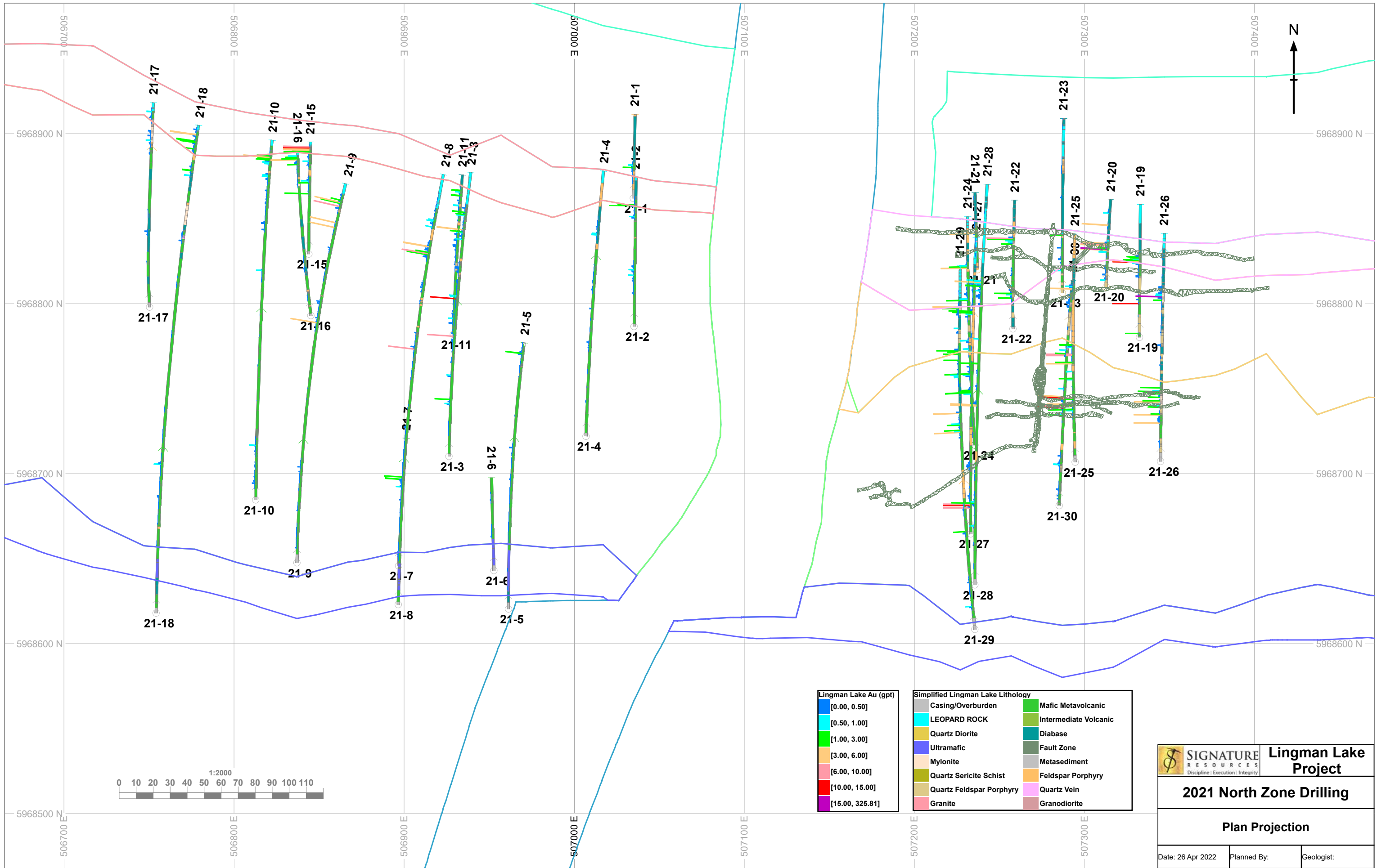
From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best gpt	Ag Best ppm	Cu Best ppm	As ICP ppm	S ICP pct
<b>154.60</b>	<b>174.55</b>	<b>QFPO Quartz Feldspar Porphyry</b>	159.00	160.00	1.00	412897	0.036	6.9	40	1	0.28
minor mafic volcanic inclusions or intercalations some brecciated sections			160.00	161.00	1.00	412898	0.012	0.7	16	1	0.11
			161.00	162.00	1.00	412899	0.023	2.1	14	2	0.08
			174.00	175.00	1.00	412877	0.005	0.1	45	2	0.12
<b>174.55</b>	<b>184.10</b>	<b>MV Mafic Volcanics</b>	175.00	176.00	1.00	412878	0.006	0.3	46	4	0.03
NORTH ZONE abundant banded sugary white QZ between 178.94 m and 181.50 m some contorted breccia from 177.83 m to 178.90 m gouge @ 178.80 m			176.00	177.00	1.00	412879	0.02	0.5	125	5	1.1
			177.00	178.00	1.00	412881	0.0025	0.1	12	3	0.05
			178.00	179.00	1.00	412882	0.239	0.6	33	3	0.91
			179.00	180.00	1.00	412883	0.322	0.7	31	20	0.68
			180.00	181.00	1.00	412884	0.048	0.5	12	10	0.18
			181.00	182.00	1.00	412885	0.322	3.2	331	4	0.82
			182.00	183.00	1.00	412886	0.357	1.2	361	1	0.19
			183.00	184.00	1.00	412887	0.164	0.9	137	3	0.4
			184.00	185.00	1.00	412888	0.213	1	96	1	0.4
<b>184.10</b>	<b>188.00</b>	<b>MV Mafic Volcanics</b>	185.00	186.00	1.00	412889	0.046	0.2	20	2	0.04
minor contorted QZ - CA - CL breccia but not as prevalent as in other sections much broken core gouge @ 184.10 m, 184.70 m and 187.40 m			186.00	187.00	1.00	412891	0.009	0.1	72	1	0.09
			187.00	188.00	1.00	412892	0.0025	0.2	50	1	0.16
<b>188.00</b>	<b>201.40</b>	<b>MV Mafic Volcanics</b>	188.00	189.00	1.00	412893	0.37	1.5	144	3	0.55
EOH @ 201.4 m broken core from previous section ends at 189.60 m maybe some porphyroblasts @ 199.80 m			189.00	190.00	1.00	412894	0.014	0.4	78	7	0.3
			190.00	191.00	1.00	412895	0.006	0.1	23	9	0.11


Hole: LM21-30

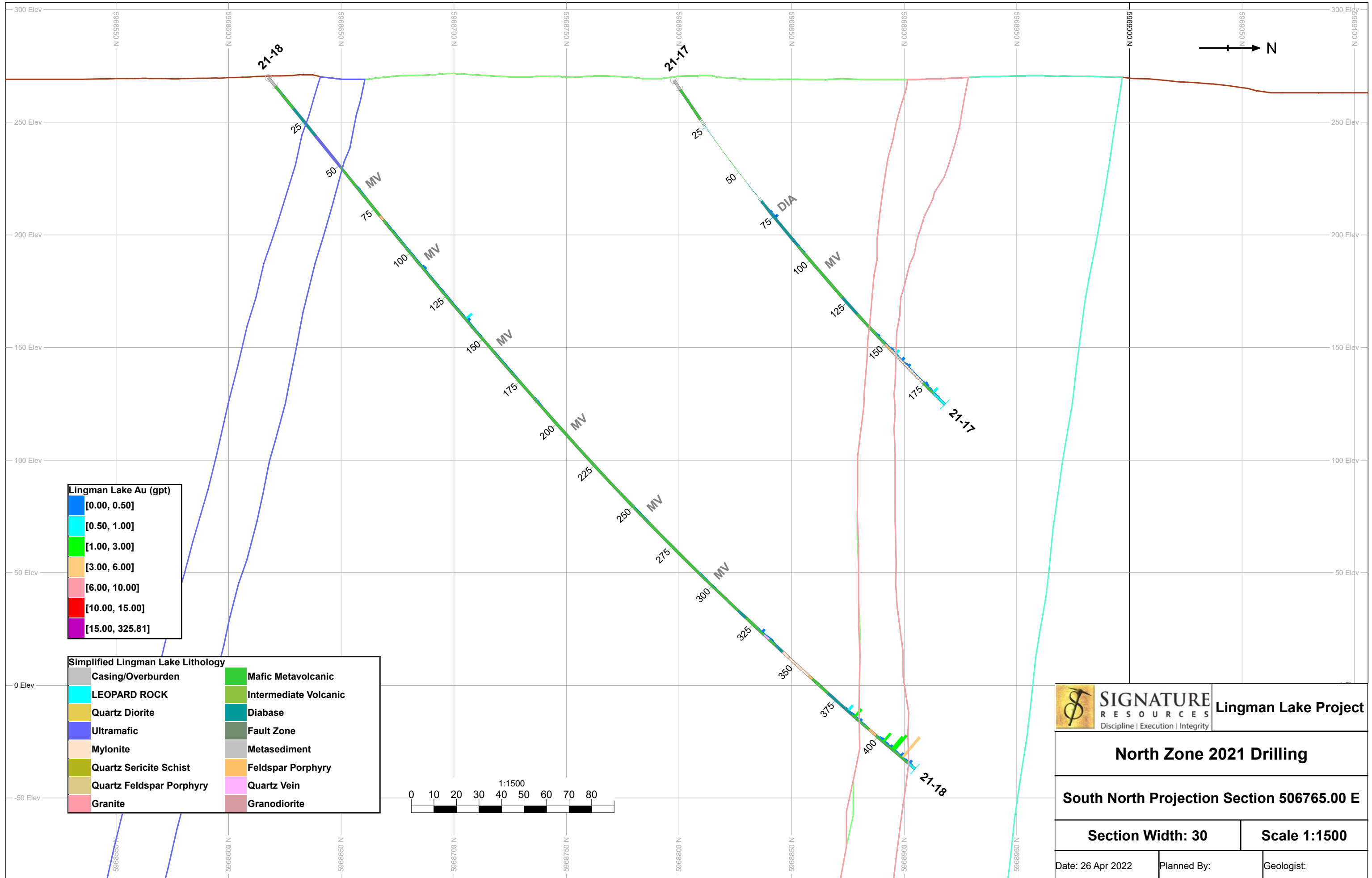
From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best gpt	Ag Best ppm	Cu Best ppm	As ICP ppm	S ICP pct
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End of Hole @ 290

## **16.0 APPENDIX-2. DIAMOND DRILL SECTIONS**



 <b>Signature Resources</b> <small>Discipline   Execution   Integrity</small>		<b>Lingman Lake Project</b>
<b>2021 North Zone Drilling</b>		
<b>Plan Projection</b>		
Date: 26 Apr 2022	Planned By:	Geologist:

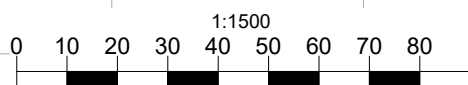



**Lingman Lake Au (gpt)**

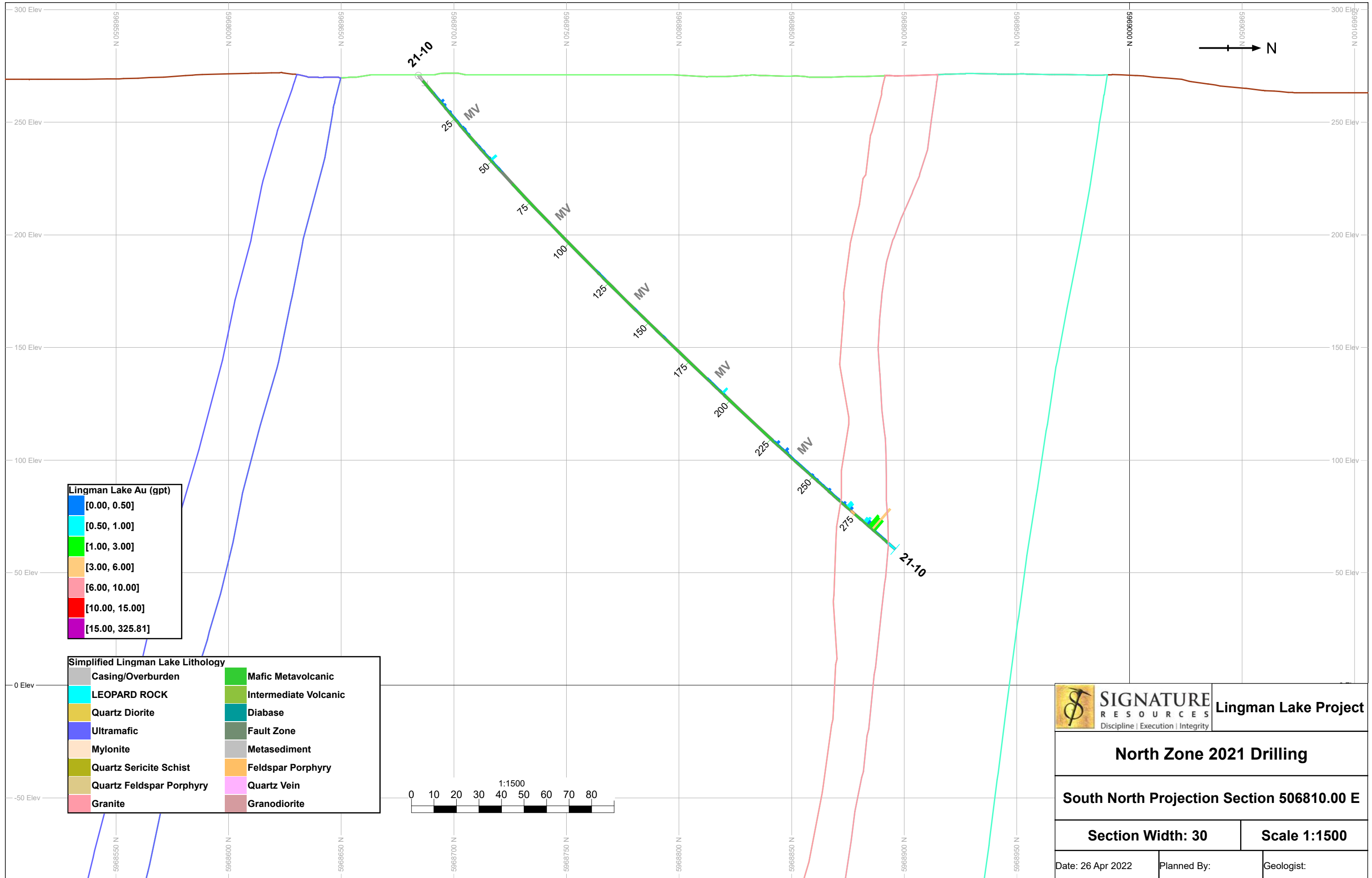
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**Simplified Lingman Lake Lithology**

Casing/Overburden	Mafic Metavolcanic
LEOPARD ROCK	Intermediate Volcanic
Quartz Diorite	Diabase
Ultramafic	Fault Zone
Mylonite	Metasediment
Quartz Sericite Schist	Feldspar Porphyry
Quartz Feldspar Porphyry	Quartz Vein
Granite	Granodiorite



 <b>SIGNATURE RESOURCES</b> Discipline   Execution   Integrity	<b>Lingman Lake Project</b>	
	<b>North Zone 2021 Drilling</b>	
<b>South North Projection Section 506765.00 E</b>		
<b>Section Width: 30</b>	<b>Scale 1:1500</b>	
Date: 26 Apr 2022	Planned By:	Geologist:

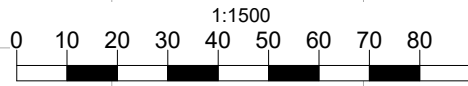



**Lingman Lake Au (gpt)**

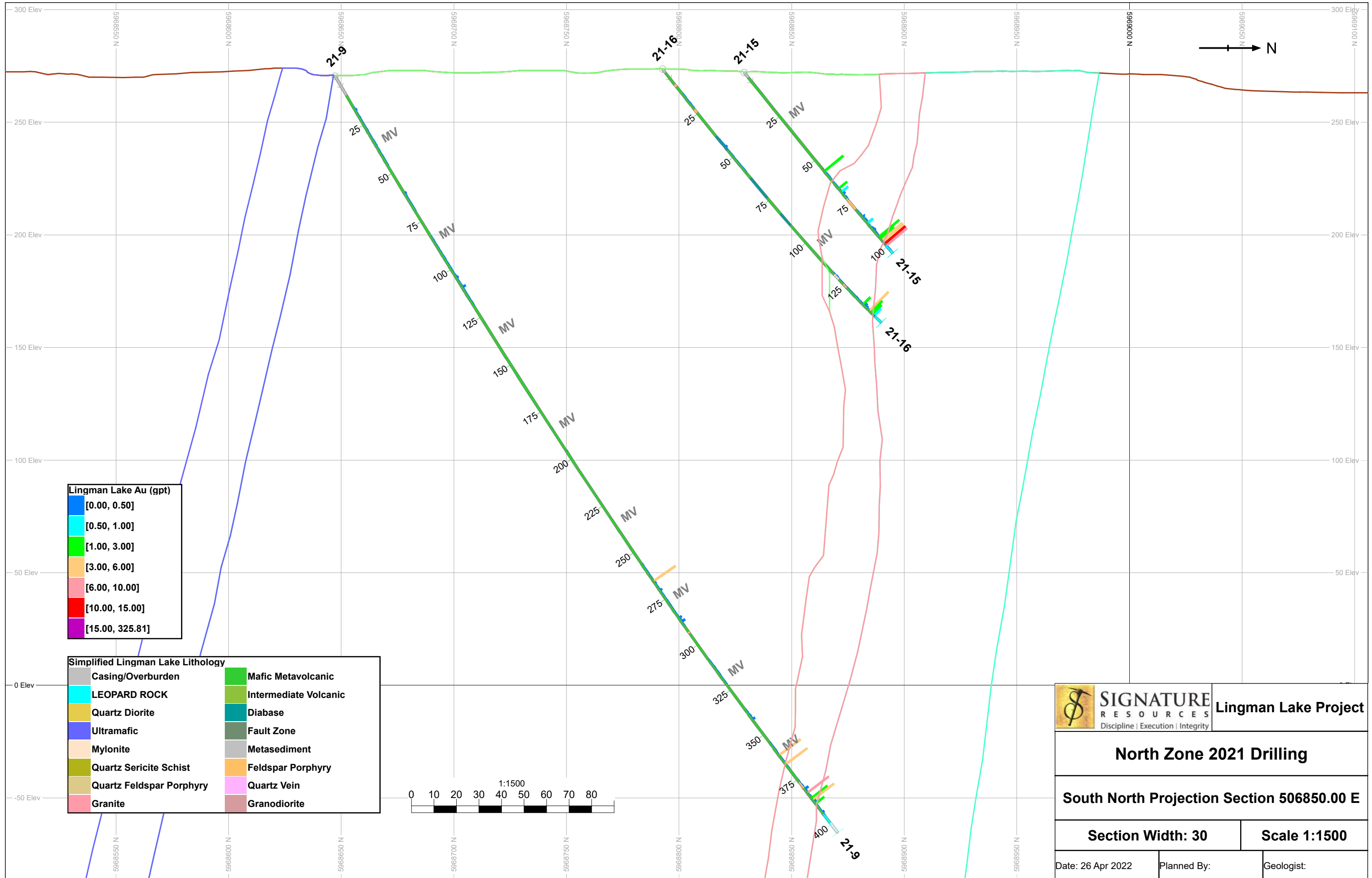
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**Simplified Lingman Lake Lithology**

Casing/Overburden	Mafic Metavolcanic
LEOPARD ROCK	Intermediate Volcanic
Quartz Diorite	Diabase
Ultramafic	Fault Zone
Mylonite	Metasediment
Quartz Sericite Schist	Feldspar Porphyry
Quartz Feldspar Porphyry	Quartz Vein
Granite	Granodiorite



 <b>Lingman Lake Project</b> Discipline   Execution   Integrity	
<b>North Zone 2021 Drilling</b>	
<b>South North Projection Section 506810.00 E</b>	
<b>Section Width: 30</b>	<b>Scale 1:1500</b>
Date: 26 Apr 2022	Planned By: _____
Geologist: _____	

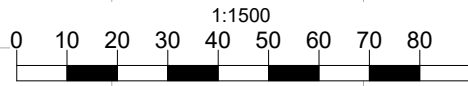



**Lingman Lake Au (gpt)**

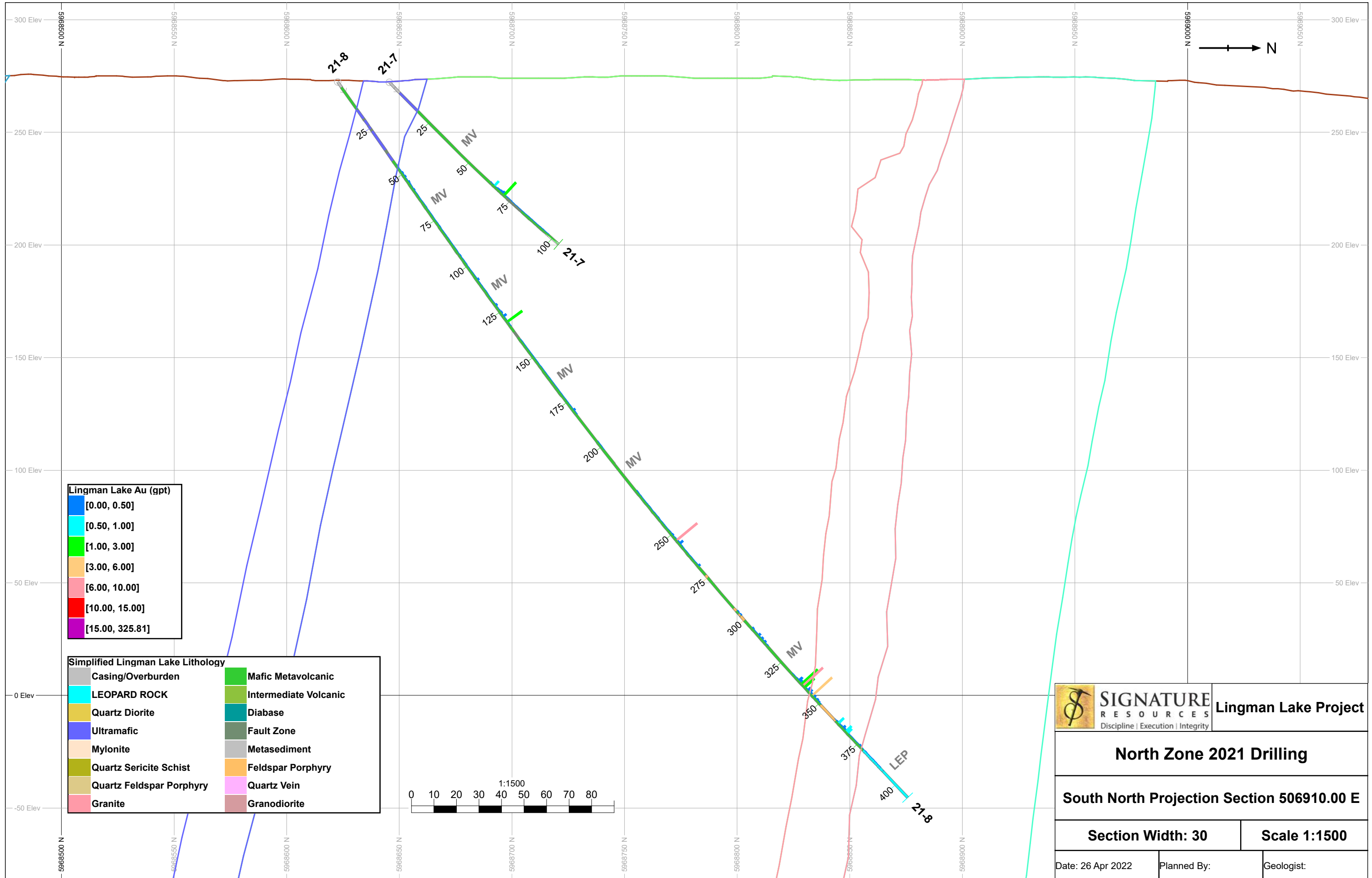
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[10.00, 15.00]
[15.00, 325.81]

**Simplified Lingman Lake Lithology**

Casing/Overburden	Mafic Metavolcanic
LEOPARD ROCK	Intermediate Volcanic
Quartz Diorite	Diabase
Ultramafic	Fault Zone
Mylonite	Metasediment
Quartz Sericite Schist	Feldspar Porphyry
Quartz Feldspar Porphyry	Quartz Vein
Granite	Granodiorite



 <b>SIGNATURE RESOURCES</b> Discipline   Execution   Integrity	<b>Lingman Lake Project</b>	
	<b>North Zone 2021 Drilling</b>	
<b>South North Projection Section 506850.00 E</b>		
<b>Section Width: 30</b>		<b>Scale 1:1500</b>
Date: 26 Apr 2022	Planned By:	Geologist:

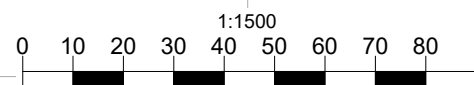



**Lingman Lake Au (gpt)**

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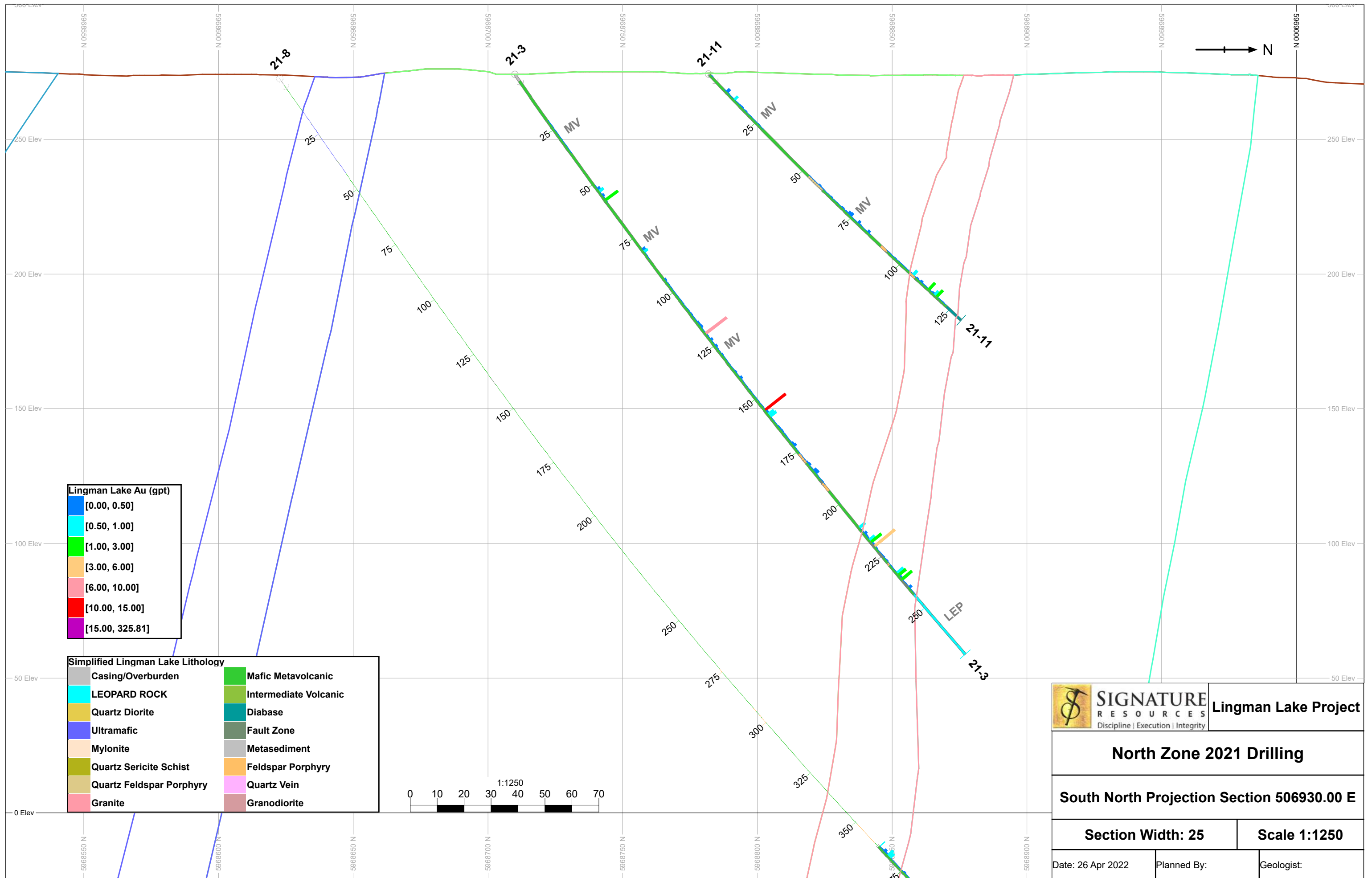
**Simplified Lingman Lake Lithology**

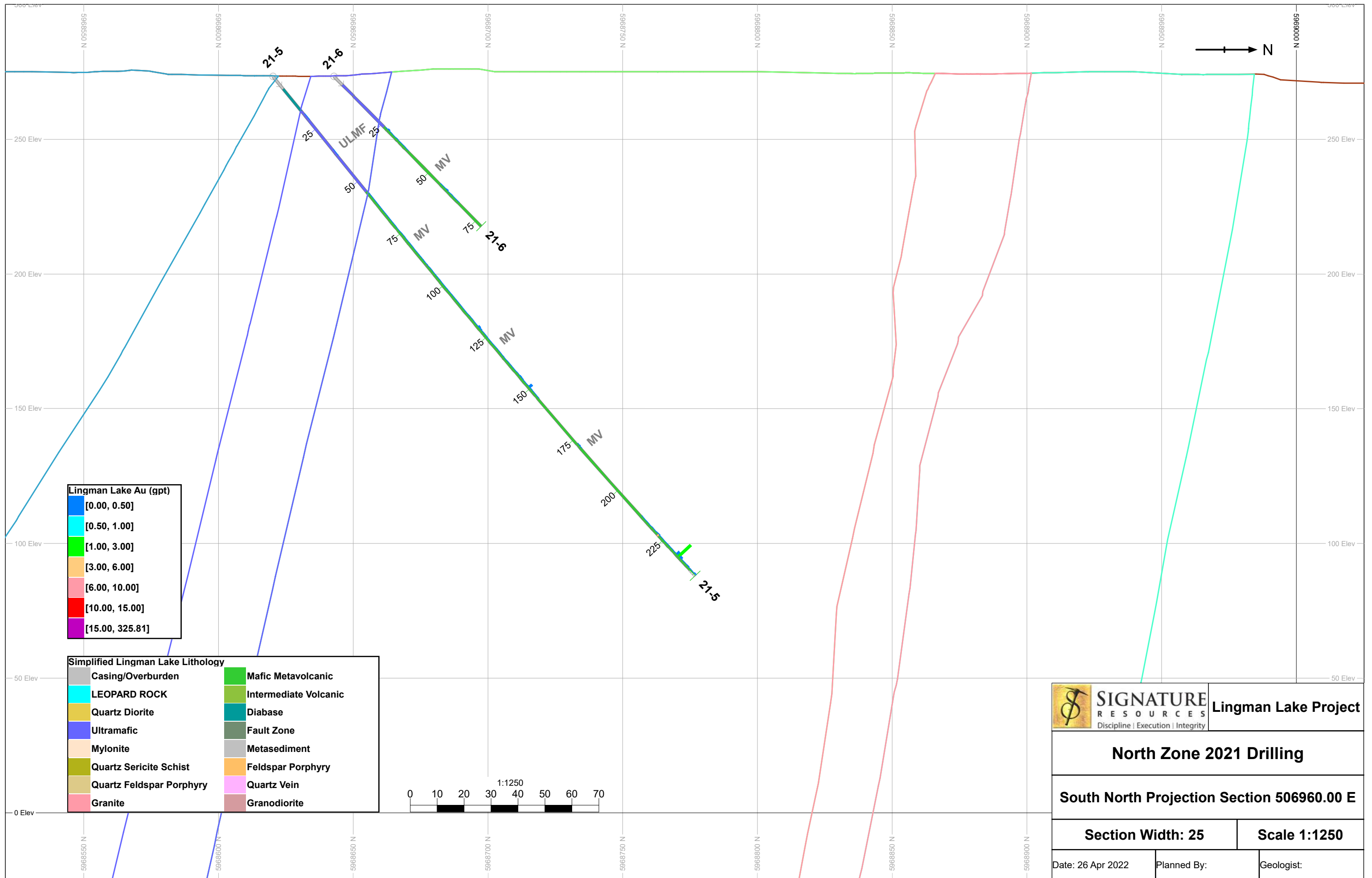
Casing/Overburden	Mafic Metavolcanic
LEOPARD ROCK	Intermediate Volcanic
Quartz Diorite	Diabase
Ultramafic	Fault Zone
Mylonite	Metasediment
Quartz Sericite Schist	Feldspar Porphyry
Quartz Feldspar Porphyry	Quartz Vein
Granite	Granodiorite



 <b>Lingman Lake Project</b> Discipline   Execution   Integrity	
<b>North Zone 2021 Drilling</b>	
<b>South North Projection Section 506910.00 E</b>	
<b>Section Width: 30</b>	<b>Scale 1:1500</b>
Date: 26 Apr 2022	Planned By:
Geologist:	





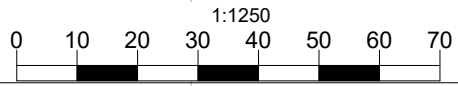



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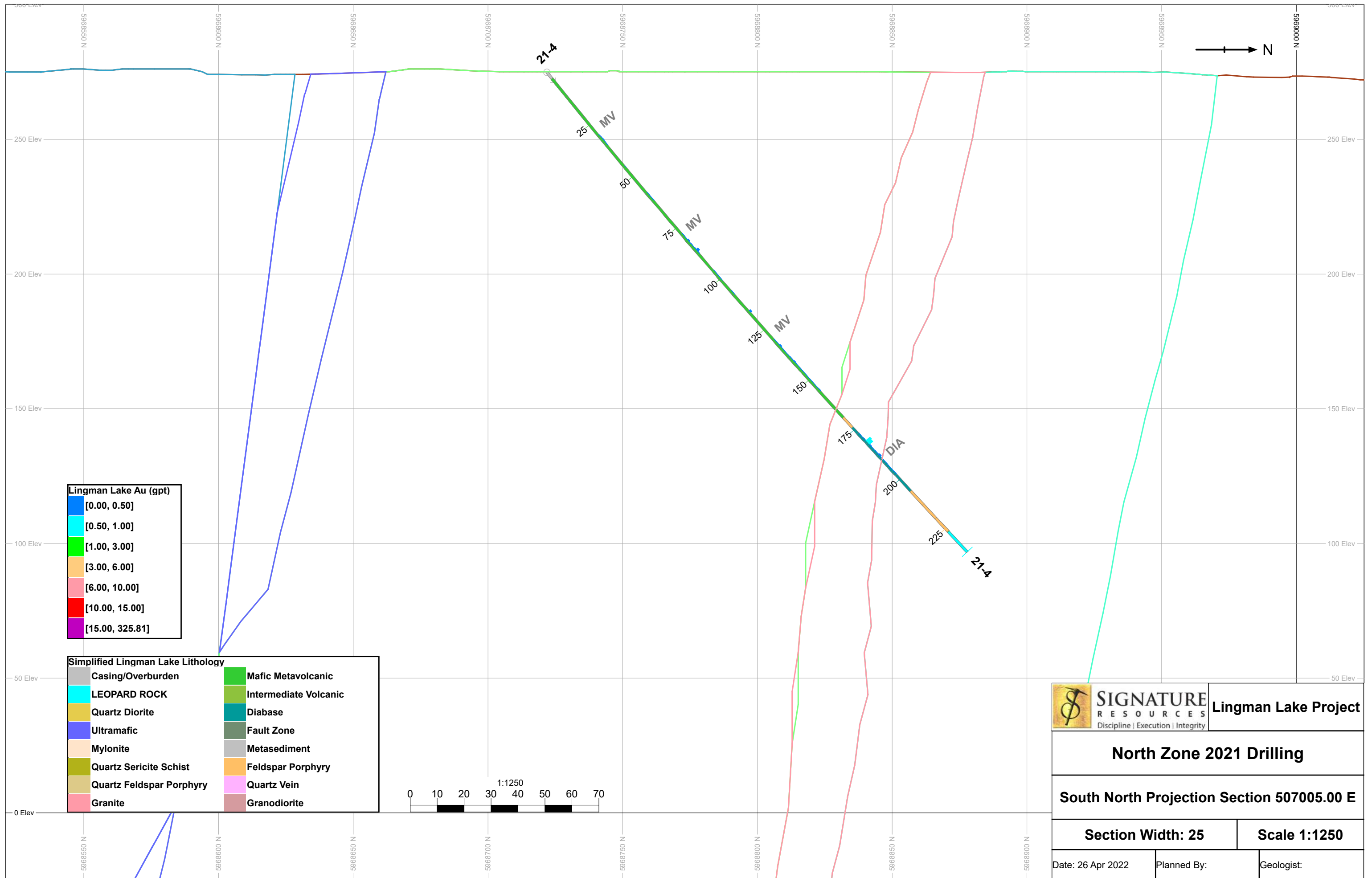
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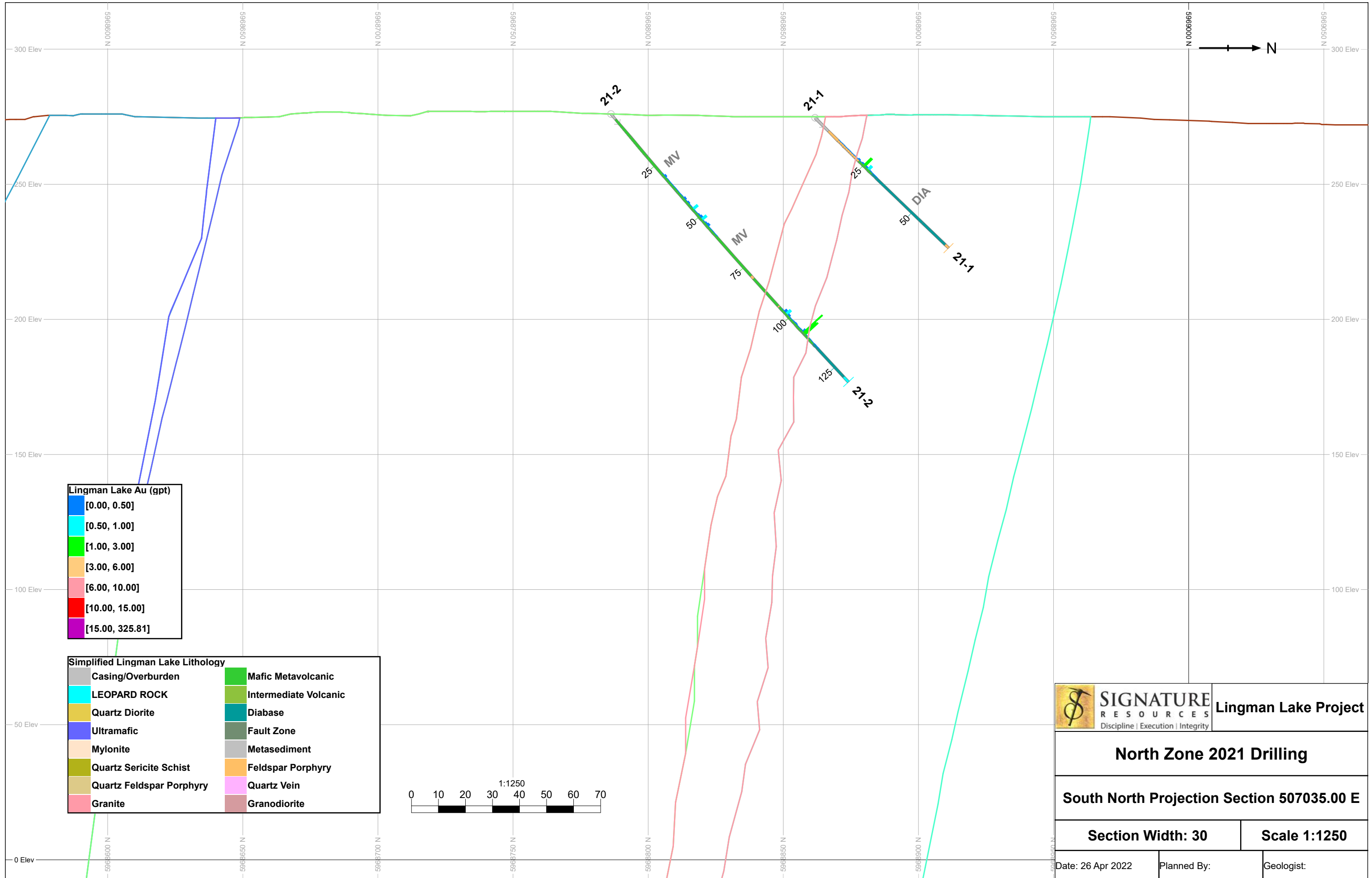
**Simplified Lingman Lake Lithology**

Casing/Overburden	Mafic Metavolcanic
LEOPARD ROCK	Intermediate Volcanic
Quartz Diorite	Diabase
Ultramafic	Fault Zone
Mylonite	Metasediment
Quartz Sericite Schist	Feldspar Porphyry
Quartz Feldspar Porphyry	Quartz Vein
Granite	Granodiorite



 <b>SIGNATURE RESOURCES</b> Discipline   Execution   Integrity	<b>Lingman Lake Project</b>	
	<b>North Zone 2021 Drilling</b>	
<b>South North Projection Section 506960.00 E</b>		
<b>Section Width: 25</b>		<b>Scale 1:1250</b>
Date: 26 Apr 2022	Planned By:	Geologist:



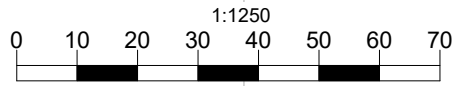



**Lingman Lake Au (gpt)**

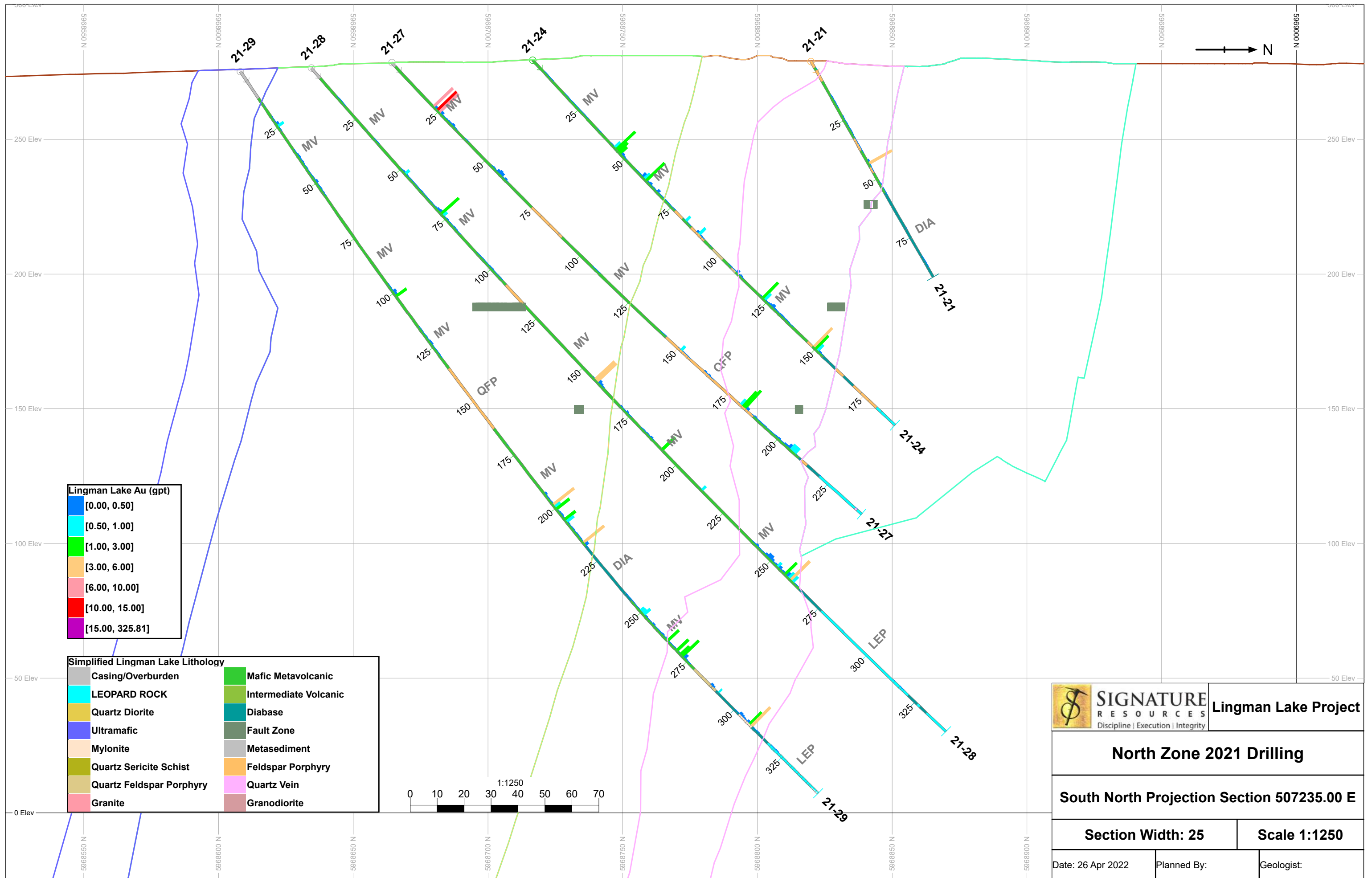
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[10.00, 15.00]
[15.00, 325.81]

**Simplified Lingman Lake Lithology**

Casing/Overburden	Mafic Metavolcanic
LEOPARD ROCK	Intermediate Volcanic
Quartz Diorite	Diabase
Ultramafic	Fault Zone
Mylonite	Metasediment
Quartz Sericite Schist	Feldspar Porphyry
Quartz Feldspar Porphyry	Quartz Vein
Granite	Granodiorite



 <b>SIGNATURE RESOURCES</b> Discipline   Execution   Integrity	<b>Lingman Lake Project</b>	
	<b>North Zone 2021 Drilling</b>	
<b>South North Projection Section 507035.00 E</b>		
<b>Section Width: 30</b>		<b>Scale 1:1250</b>
Date: 26 Apr 2022	Planned By:	Geologist:




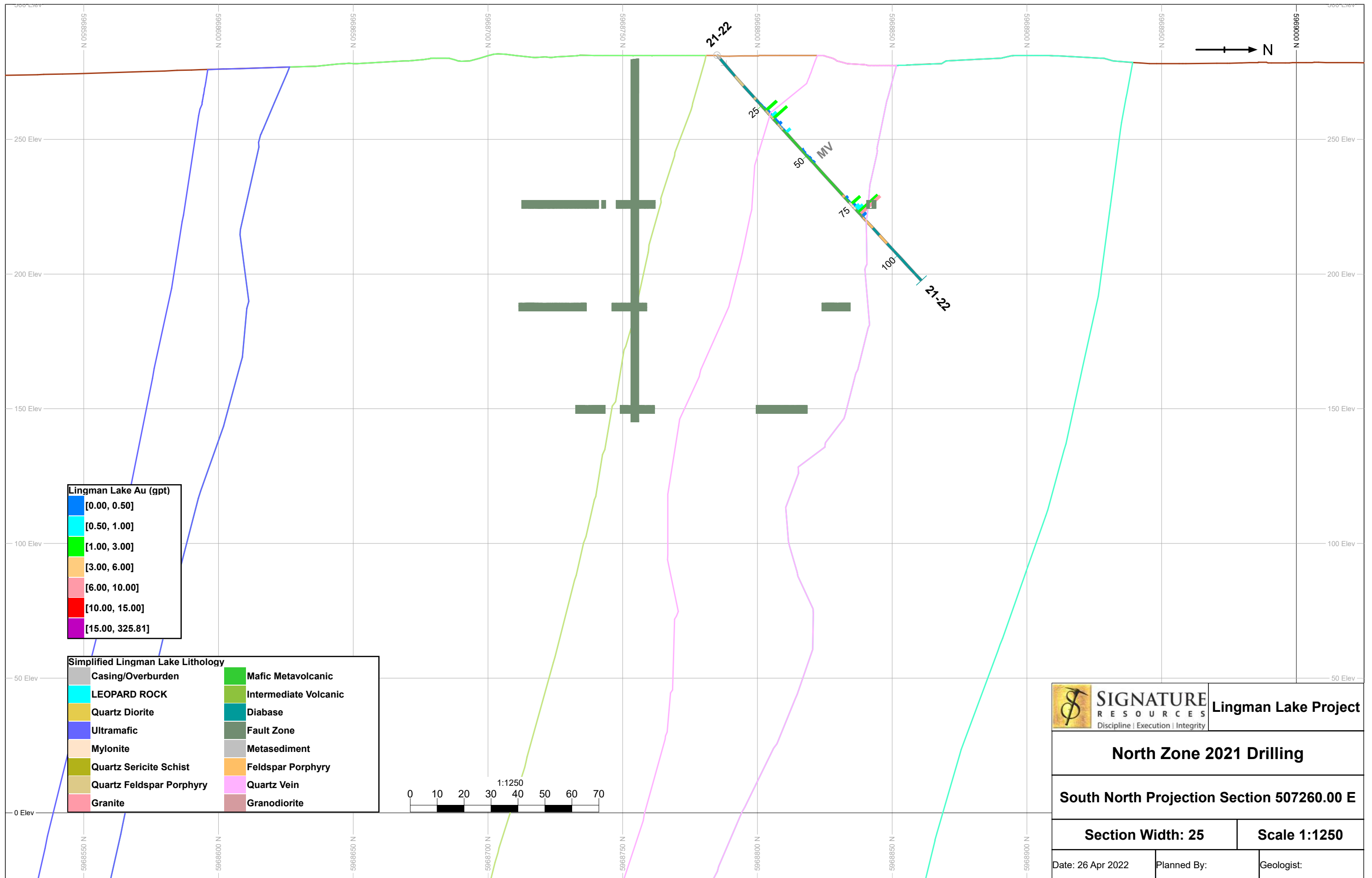
**Lingman Lake Au (gpt)**

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**Simplified Lingman Lake Lithology**

Casing/Overburden	Mafic Metavolcanic
LEOPARD ROCK	Intermediate Volcanic
Quartz Diorite	Diabase
Ultramafic	Fault Zone
Mylonite	Metasediment
Quartz Sericite Schist	Feldspar Porphyry
Quartz Feldspar Porphyry	Quartz Vein
Granite	Granodiorite

 <b>SIGNATURE RESOURCES</b> Discipline   Execution   Integrity		<b>Lingman Lake Project</b>
<b>North Zone 2021 Drilling</b>		
<b>South North Projection Section 507235.00 E</b>		
<b>Section Width: 25</b>		<b>Scale 1:1250</b>
Date: 26 Apr 2022	Planned By:	Geologist:

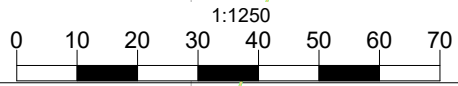



**Lingman Lake Au (gpt)**

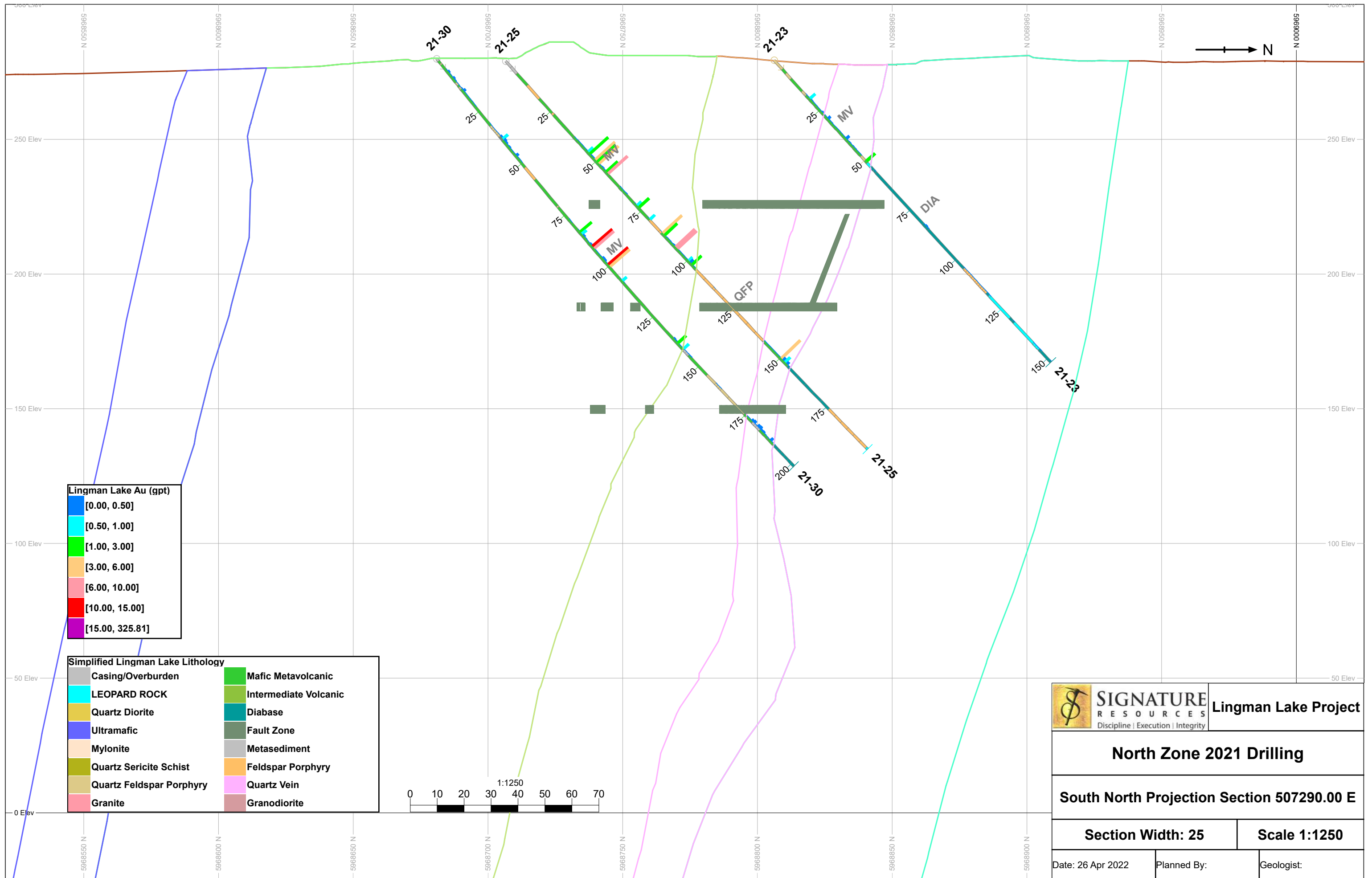
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[15.00, 325.81]

**Simplified Lingman Lake Lithology**

Casing/Overburden	Mafic Metavolcanic
LEOPARD ROCK	Intermediate Volcanic
Quartz Diorite	Diabase
Ultramafic	Fault Zone
Mylonite	Metasediment
Quartz Sericite Schist	Feldspar Porphyry
Quartz Feldspar Porphyry	Quartz Vein
Granite	Granodiorite



 <b>SIGNATURE RESOURCES</b> Discipline   Execution   Integrity	<b>Lingman Lake Project</b>	
	<b>North Zone 2021 Drilling</b>	
<b>South North Projection Section 507260.00 E</b>		
<b>Section Width: 25</b>		<b>Scale 1:1250</b>
Date: 26 Apr 2022	Planned By:	Geologist:

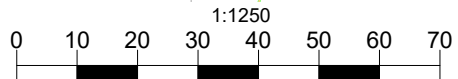



**Lingman Lake Au (gpt)**

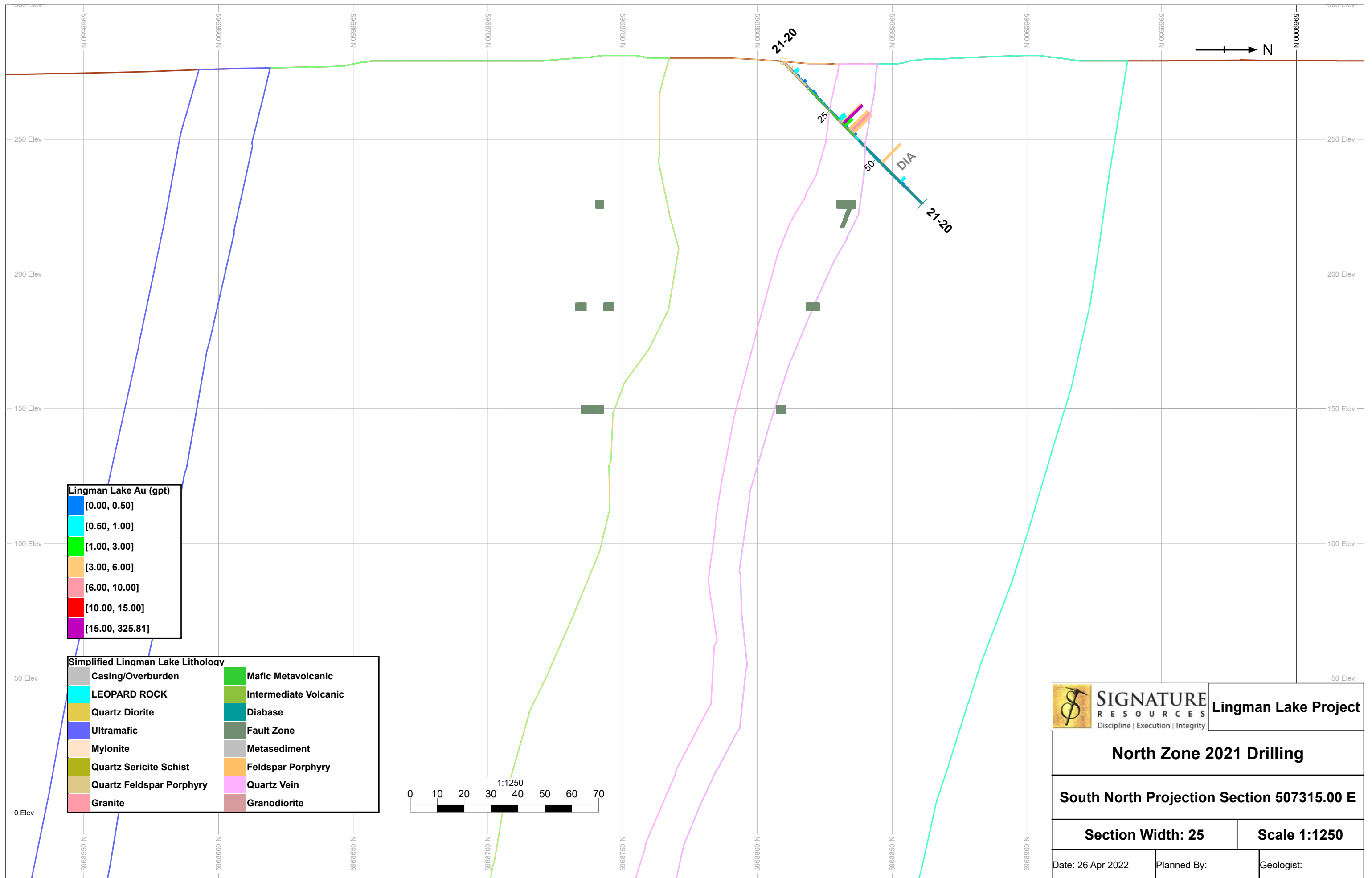
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**Simplified Lingman Lake Lithology**

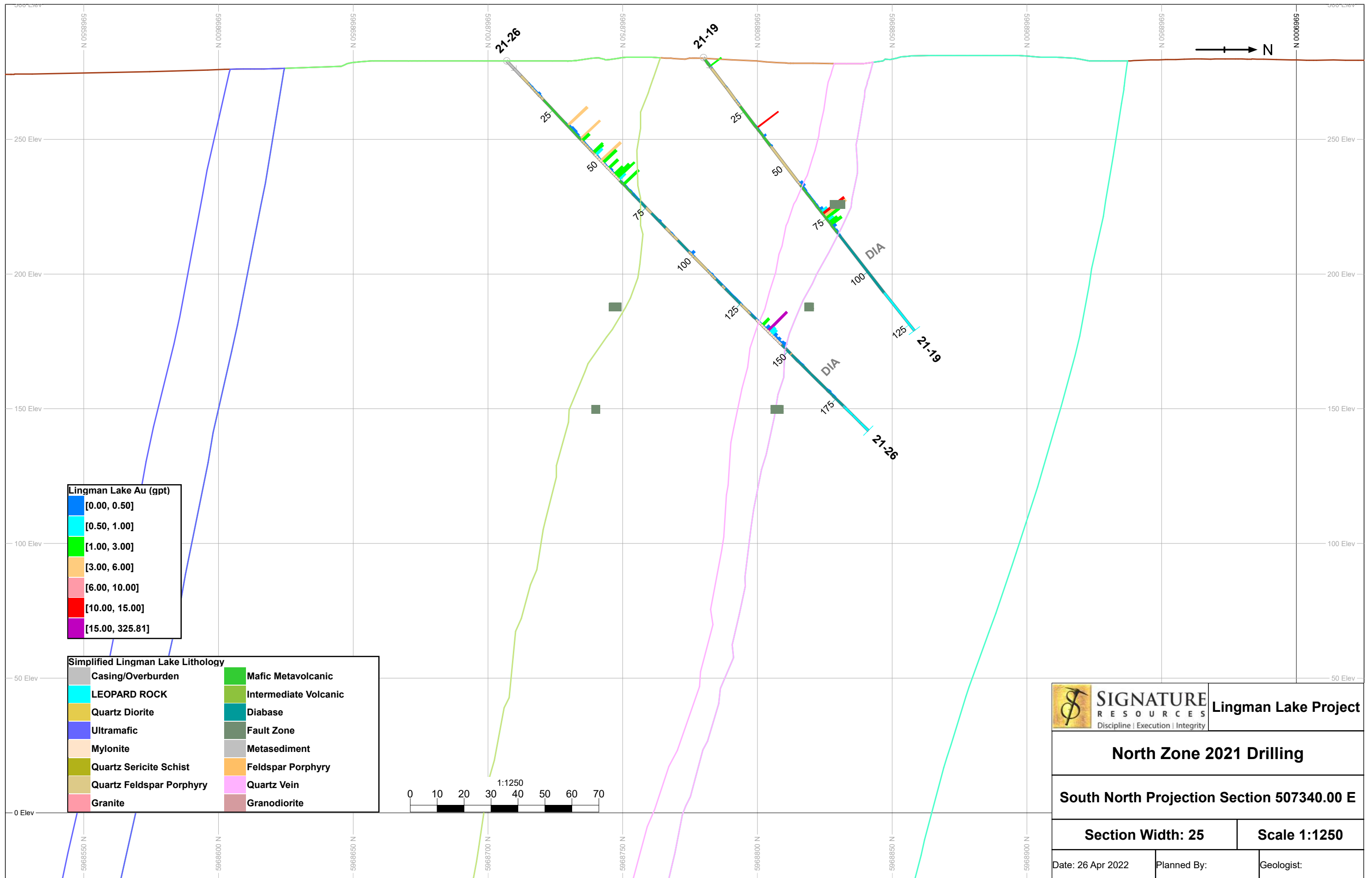
Casing/Overburden	Mafic Metavolcanic
LEOPARD ROCK	Intermediate Volcanic
Quartz Diorite	Diabase
Ultramafic	Fault Zone
Mylonite	Metasediment
Quartz Sericite Schist	Feldspar Porphyry
Quartz Feldspar Porphyry	Quartz Vein
Granite	Granodiorite



 <b>SIGNATURE RESOURCES</b> Discipline   Execution   Integrity	<b>Lingman Lake Project</b>	
	<b>North Zone 2021 Drilling</b>	
<b>South North Projection Section 507290.00 E</b>		
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Date: 26 Apr 2022	Planned By:	Geologist:





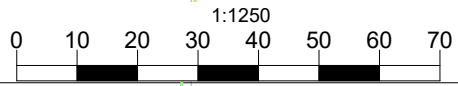



**Lingman Lake Au (gpt)**

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[15.00, 325.81]

**Simplified Lingman Lake Lithology**

Casing/Overburden	Mafic Metavolcanic
LEOPARD ROCK	Intermediate Volcanic
Quartz Diorite	Diabase
Ultramafic	Fault Zone
Mylonite	Metasediment
Quartz Sericite Schist	Feldspar Porphyry
Quartz Feldspar Porphyry	Quartz Vein
Granite	Granodiorite



 <b>SIGNATURE RESOURCES</b> Discipline   Execution   Integrity	<b>Lingman Lake Project</b>	
	<b>North Zone 2021 Drilling</b>	
<b>South North Projection Section 507340.00 E</b>		
<b>Section Width: 25</b>		<b>Scale 1:1250</b>
Date: 26 Apr 2022	Planned By:	Geologist:

## **17.0 APPENDIX-3. ANALYTICAL CERTIFICATES-GOLD**



Report No.: A21-05893-Au
Report Date: 10-May-21
Date Submitted: 07-Apr-21
Your Reference: LINGMAN LAKE WINTER 2021

SIGNATURE RESOURCES LTD
366 Bay Street, suite 200
Toronto ON M5H 4B2
Canada

ATTN: Robert Vallis

CERTIFICATE OF ANALYSIS

261 Core samples were submitted for analysis.

Table with 2 columns: Analytical package(s) requested, Testing Date. Row 1: 1A2B-30-Dryden, QOP AA-Au (Au - Fire Assay AA), 2021-04-28 13:13:42

REPORT A21-05893-Au

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

Notes:

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

Values which exceed the upper limit should be assayed for accurate numbers.



LabID:

ACTIVATION LABORATORIES LTD.
264 Government Road, Dryden, Ontario, Canada, P8N 2R3
TELEPHONE +807 223-6168 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Dryden@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

CERTIFIED BY:

Handwritten signature of Emmanuel Eseme

Emmanuel Eseme, Ph.D.
Quality Control Coordinator

Report No.: A21-05893-Au  
Report Date: 10-May-21  
Date Submitted: 07-Apr-21  
Your Reference: LINGMAN LAKE WINTER 2021

SIGNATURE RESOURCES LTD  
366 Bay Street, suite 200  
Toronto ON M5H 4B2  
Canada

ATTN: Robert Vallis

**CERTIFICATE OF ANALYSIS**

261 Core samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1E3-Tbay	QOP AquaGeo (Aqua Regia ICPOES)	

REPORT **A21-05893-Au**

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

Notes:

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

Values which exceed the upper limit should be assayed for accurate numbers.



LabID: 673

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

CERTIFIED BY:

Emmanuel Esemé, Ph.D.  
Quality Control Coordinator

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
B410001	< 5	
B410002	< 5	
B410003	< 5	
B410004	< 5	
B410005	< 5	
B410006	< 5	
B410007	< 5	
B410008	< 5	
B410009	8	
B410010	< 5	
B410011	29	
B410012	120	
B410013	36	
B410014	131	
B410015	1160	
B410016	498	
B410017	122	
B410018	551	
B410019	44	
B410020	6720	
B410021	15	
B410022	9	
B410023	10	
B410024	6	
B410025	196	
B410026	17	
B410027	22	
B410028	10	
B410029	9	
B410030	< 5	
B410031	37	
B410032	8	
B410033	12	
B410034	9	
B410035	9	
B410036	6	
B410037	24	
B410038	177	
B410039	7	
B410040	1590	
B410041	130	
B410042	13	
B410043	6	
B410044	665	
B410045	8	
B410046	8	
B410047	143	
B410048	237	
B410049	611	
B410050	< 5	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
B410051	39	
B410052	149	
B410053	240	
B410054	28	
B410055	7	
B410056	10	
B410057	27	
B410058	36	
B410059	10	
B410060	507	
B410061	8	
B410062	335	
B410063	591	
B410064	171	
B410065	39	
B410066	8	
B410067	46	
B410068	96	
B410069	18	
B410070	< 5	
B410071	20	
B410072	42	
B410073	355	
B410074	2950	
B410075	1840	
B410076	1960	
B410077	8	
B410078	6	
B410079	< 5	
B410080	6770	
B410081	< 5	
B410082	9	
B410083	13	
B410084	17	
B410085	11	
B410086	7	
B410087	10	
B410088	19	
B410089	24	
B410090	< 5	
B410091	25	
B410092	23	
B410093	24	
B410094	36	
B410095	18	
B410096	40	
B410097	21	
B410098	33	
B410099	19	
B410100	1590	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
B410101	20	
B410102	38	
B410103	24	
B410104	31	
B410105	298	
B410106	588	
B410107	20	
B410108	198	
B410109	63	
B410110	< 5	
B410111	1760	
B410112	10	
B410113	383	
B410114	508	
B410115	11	
B410116	45	
B410117	13	
B410118	33	
B410119	135	
B410120	516	
B410121	19	
B410122	73	
B410123	> 10000	18.4
B410124	32	
B410125	28	
B410126	38	
B410127	41	
B410128	33	
B410129	51	
B410130	< 5	
B410131	23	
B410132	30	
B410133	28	
B410134	37	
B410135	21	
B410136	53	
B410137	72	
B410138	78	
B410139	18	
B410140	6610	
B410141	23	
B410142	43	
B410143	49	
B410144	99	
B410145	49	
B410146	78	
B410147	41	
B410148	163	
B410149	163	
B410150	< 5	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
B410151	199	
B410152	27	
B410153	21	
B410154	7520	
B410155	50	
B410156	153	
B410157	25	
B410158	261	
B410159	30	
B410160	1590	
B410161	11	
B410162	212	
B410163	42	
B410164	10	
B410165	14	
B410166	91	
B410167	14	
B410168	53	
B410169	30	
B410170	< 5	
B410171	16	
B410172	20	
B410173	32	
B410174	36	
B410175	91	
B410176	26	
B410177	28	
B410178	32	
B410179	242	
B410180	537	
B410181	48	
B410182	19	
B410183	36	
B410184	16	
B410185	22	
B410186	51	
B410187	12	
B410188	< 5	
B410189	< 5	
B410190	< 5	
B410191	11	
B410192	29	
B410193	22	
B410194	40	
B410195	30	
B410196	20	
B410197	> 10000	14.9
B410198	160	
B410199	717	
B410200	> 10000	12.3



Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
B410201	837	
B410202	6	
B410203	35	
B410204	20	
B410205	29	
B410206	94	
B410207	93	
B410208	131	
B410209	50	
B410210	< 5	
B410211	83	
B410212	49	
B410213	69	
B410214	62	
B410215	224	
B410216	199	
B410217	330	
B410218	41	
B410219	9	
B410220	6540	
B410221	27	
B410222	34	
B410223	< 5	
B410224	< 5	
B410225	< 5	
B410226	133	
B410227	251	
B410228	73	
B410229	101	
B410230	< 5	
B410231	423	
B410232	443	
B410233	12	
B410234	39	
B410235	51	
B410236	132	
B410237	101	
B410238	13	
B410239	38	
B410240	1570	
B410241	809	
B410242	32	
B410243	65	
B410244	319	
B410245	124	
B410246	109	
B410247	744	
B410248	1480	
B410249	149	
B410250	< 5	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
B410251	4580	
B410252	117	
B410253	25	
B410254	39	
B410255	55	
B410256	95	
B410257	113	
B410258	21	
B410259	90	
B410260	518	
B410261	23	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
OREAS 229 (Fire Assay) Meas		12.3
OREAS 229 (Fire Assay) Cert		12.1
Oreas 237 (Fire Assay) Meas	2250	
Oreas 237 (Fire Assay) Cert	2210	
Oreas 237 (Fire Assay) Meas	2280	
Oreas 237 (Fire Assay) Cert	2210	
Oreas 237 (Fire Assay) Meas	2250	
Oreas 237 (Fire Assay) Cert	2210	
Oreas 237 (Fire Assay) Meas	2240	
Oreas 237 (Fire Assay) Cert	2210	
Oreas 237 (Fire Assay) Meas	2200	
Oreas 237 (Fire Assay) Cert	2210	
Oreas 237 (Fire Assay) Meas	2270	
Oreas 237 (Fire Assay) Cert	2210	
Oreas 237 (Fire Assay) Meas	2230	
Oreas 237 (Fire Assay) Cert	2210	
Oreas 237 (Fire Assay) Meas	2260	
Oreas 237 (Fire Assay) Cert	2210	
Oreas 237 (Fire Assay) Meas	2300	
Oreas 237 (Fire Assay) Cert	2210	
Oreas E1336 (Fire Assay) Meas	506	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	523	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	527	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	492	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	523	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	524	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	522	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	512	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	506	
Oreas E1336 (Fire Assay) Cert	510	
OREAS 216b Meas		6.76
OREAS 216b Cert		6.66
B410005 Orig	< 5	
B410005 Dup	< 5	
B410019 Orig	41	
B410019 Dup	46	
B410028 Orig	9	
B410028 Dup	10	
B410039 Orig	6	
B410039 Dup	7	
B410051 Orig	39	
B410051 Split PREP DUP	60	
B410054 Orig	26	
B410054 Dup	30	
B410062 Orig	330	
B410062 Dup	340	
B410074 Orig	2950	
B410074 Dup	2950	
B410089 Orig	20	
B410089 Dup	27	
B410097 Orig	23	
B410097 Dup	18	
B410101 Orig	20	
B410101 Split PREP DUP	28	
B410108 Orig	195	
B410108 Dup	200	
B410123 Orig	> 10000	
B410123 Dup	> 10000	
B410131 Orig	22	
B410131 Dup	24	
B410143 Orig	46	
B410143 Dup	52	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
B410151 Orig	199	
B410151 Split PREP DUP	182	
B410157 Orig	30	
B410157 Dup	19	
B410165 Orig	14	
B410165 Dup	13	
B410177 Orig	28	
B410177 Dup	27	
B410192 Orig	29	
B410192 Dup	28	
B410199 Orig	718	
B410199 Dup	715	
B410201 Orig	837	
B410201 Split PREP DUP	848	
B410226 Orig	124	
B410226 Dup	141	
B410234 Orig	40	
B410234 Dup	37	
B410246 Orig	104	
B410246 Dup	114	
B410251 Orig	4580	
B410251 Split PREP DUP	4820	
Method Blank	< 5	
Method Blank	< 5	
Method Blank	< 5	
Method Blank	< 5	
Method Blank	< 5	
Method Blank	< 5	
Method Blank	< 5	
Method Blank	< 5	
Method Blank	< 5	
Method Blank	< 5	
Method Blank	< 5	
Method Blank	< 5	
Method Blank	< 5	
Method Blank	< 5	
Method Blank	< 5	
Method Blank	< 5	
Method Blank	< 5	
Method Blank	< 5	
Method Blank	< 5	
Method Blank	< 5	
Method Blank	< 5	
Method Blank	< 5	
Method Blank	< 5	< 0.03
Method Blank	< 5	



Report No.: A21-08198-Au
Report Date: 27-May-21
Date Submitted: 05-May-21
Your Reference: LINGMAN LAKE WINTER 2021

SIGNATURE RESOURCES LTD
366 Bay Street, suite 200
Toronto ON M5H 4B2
Canada

ATTN: Robert Vallis

CERTIFICATE OF ANALYSIS

171 Core samples were submitted for analysis.

Table with 2 columns: Analytical package(s) requested, Testing Date. Row 1: 1E3-Tbay, QOP AquaGeo (Aqua Regia ICPOES)

REPORT A21-08198-Au

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Notes:

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

Values which exceed the upper limit should be assayed for accurate numbers.



LabID: 673

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

CERTIFIED BY:

[Handwritten signature]

Emmanuel Esemé, Ph.D.
Quality Control Coordinator

**Report No.:** A21-08198-Au  
**Report Date:** 27-May-21  
**Date Submitted:** 05-May-21  
**Your Reference:** LINGMAN LAKE WINTER 2021

**SIGNATURE RESOURCES LTD**  
**366 Bay Street, suite 200**  
**Toronto ON M5H 4B2**  
**Canada**

**ATTN: Robert Vallis**

**CERTIFICATE OF ANALYSIS**

171 Core samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A2B-30-Dryden	QOP AA-Au (Au - Fire Assay AA)	2021-05-27 12:47:19

REPORT **A21-08198-Au**

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Notes:

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

Values which exceed the upper limit should be assayed for accurate numbers.



**ACTIVATION LABORATORIES LTD.**  
 264 Government Road, Dryden, Ontario, Canada, P8N 2R3  
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 E-MAIL Dryden@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

CERTIFIED BY:

Emmanuel Esemé, Ph.D.  
 Quality Control Coordinator

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
B410262	19
B410263	46
B410264	12
B410265	32
B410266	924
B410267	1060
B410268	189
B410269	1450
B410270	< 5
B410271	28
B410272	47
B410273	< 5
B410274	329
B410275	22
B410276	16
B410277	8
B410278	36
B410279	30
B410280	6870
B410281	47
B410282	97
B410283	16
B410284	19
B410285	39
B410286	26
B410287	9
B410288	5
B410289	< 5
B410290	< 5
B410291	8
B410292	< 5
B410293	14
B410294	< 5
B410295	< 5
B410296	< 5
B410297	5
B410298	6
B410299	9
B410300	1590
B410301	132
B410302	7
B410303	72
B410304	12
B410305	50
B410306	306
B410307	46
B410308	5
B410309	7
B410310	< 5
B410311	23
B410312	28



Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
B410313	11
B410314	145
B410315	12
B410316	10
B410317	17
B410318	37
B410319	27
B410320	513
B410321	14
B410322	59
B410323	53
B410324	113
B410325	45
B410326	20
B410327	9
B410328	13
B410329	17
B410330	< 5
B410331	12
B410332	17
B410333	16
B410334	14
B410335	33
B410336	14
B410337	21
B410338	< 5
B410339	25
B410340	6860
B410341	67
B410342	210
B410343	8
B410344	< 5
B410345	17
B410346	23
B410347	648
B410348	514
B410349	82
B410350	< 5
B410351	12
B410352	25
B410353	54
B410354	52
B410355	172
B410356	79
B410357	18
B410358	34
B410359	30
B410360	1640
B410361	6
B410362	13
B410363	12

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
B410364	36
B410365	12
B410366	28
B410367	11
B410368	10
B410369	16
B410370	< 5
B410371	< 5
B410372	8
B410373	5
B410374	7
B410375	6
B410376	7
B410377	< 5
B410378	5
B410379	5
B410380	518
B410381	7
B410382	9
B410383	11
B410384	9
B410385	38
B410386	22
B410387	9
B410388	6
B410389	10
B410390	< 5
B410391	6
B410392	7
B410393	11
B410394	31
B410395	5
B410396	13
B410397	15
B410398	6
B410399	5
B410400	6910
B410401	8
B410402	7
B410403	12
B410404	10
B410405	5
B410406	< 5
B410407	< 5
B410408	22
B410409	7
B410410	< 5
B410411	22
B410412	7
B410413	5
B410414	7

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
B410415	34
B410416	37
B410417	16
B410418	13
B410419	14
B410420	1640
B410421	13
B410422	8
B410423	8
B410424	5
B410425	19
B410426	8
B410427	6
B410428	15
B410429	9
B410430	< 5
B410431	11
B410432	6

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
Oreas E1336 (Fire Assay) Meas	518
Oreas E1336 (Fire Assay) Cert	510
Oreas E1336 (Fire Assay) Meas	513
Oreas E1336 (Fire Assay) Cert	510
Oreas E1336 (Fire Assay) Meas	520
Oreas E1336 (Fire Assay) Cert	510
Oreas E1336 (Fire Assay) Meas	521
Oreas E1336 (Fire Assay) Cert	510
Oreas E1336 (Fire Assay) Meas	526
Oreas E1336 (Fire Assay) Cert	510
OREAS 216b Meas	6830
OREAS 216b Cert	6660
OREAS 216b Meas	6850
OREAS 216b Cert	6660
OREAS 216b Meas	6860
OREAS 216b Cert	6660
OREAS 216b Meas	6900
OREAS 216b Cert	6660
OREAS 216b Meas	6870
OREAS 216b Cert	6660
B410266 Orig	891
B410266 Dup	956
B410281 Orig	50
B410281 Dup	44
B410289 Orig	< 5
B410289 Dup	< 5
B410301 Orig	131
B410301 Dup	132
B410311 Orig	23
B410311 Split PREP DUP	20
B410315 Orig	13
B410315 Dup	10
B410323 Orig	56
B410323 Dup	50
B410335 Orig	28
B410335 Dup	38
B410350 Orig	< 5
B410350 Dup	< 5
B410358 Orig	35

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
B410358 Dup	33
B410361 Orig	6
B410361 Split PREP DUP	< 5
B410369 Orig	16
B410369 Dup	15
B410384 Orig	8
B410384 Dup	9
B410392 Orig	7
B410392 Dup	7
B410404 Orig	10
B410404 Dup	10
B410411 Orig	22
B410411 Split PREP DUP	21
B410418 Orig	13
B410418 Dup	12
B410426 Orig	7
B410426 Dup	8
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5



Report No.: A21-08199-Au
Report Date: 26-May-21
Date Submitted: 05-May-21
Your Reference: LINGMAN LAKE WINTER 2021

SIGNATURE RESOURCES LTD
366 Bay Street, suite 200
Toronto ON M5H 4B2
Canada

ATTN: Robert Vallis

CERTIFICATE OF ANALYSIS

170 Core samples were submitted for analysis.

Table with 3 columns: Analytical package(s) requested, Testing Date, and details. Rows include 1A2B-30-Dryden and 1A3-Dryden.

REPORT A21-08199-Au

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Notes:

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

Values which exceed the upper limit should be assayed for accurate numbers.



ACTIVATION LABORATORIES LTD.
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E-MAIL Dryden@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

CERTIFIED BY:

Handwritten signature of Emmanuel Esemé

Emmanuel Esemé, Ph.D.
Quality Control Coordinator

Report No.: A21-08199-Au  
Report Date: 26-May-21  
Date Submitted: 05-May-21  
Your Reference: LINGMAN LAKE WINTER 2021

SIGNATURE RESOURCES LTD  
366 Bay Street, suite 200  
Toronto ON M5H 4B2  
Canada

ATTN: Robert Vallis

### CERTIFICATE OF ANALYSIS

170 Core samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1E3-Tbay	QOP AquaGeo (Aqua Regia ICPOES)	

REPORT **A21-08199-Au**

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Notes:

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Values which exceed the upper limit should be assayed for accurate numbers.



LabID: 673

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E-MAIL Tbay@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

CERTIFIED BY:

Emmanuel Esemé, Ph.D.  
Quality Control Coordinator

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
B410433	8	
B410434	12	
B410435	10	
B410436	13	
B410437	13	
B410438	14	
B410439	< 5	
B410440	503	
B410441	< 5	
B410442	9	
B410443	5	
B410444	6	
B410445	10	
B410446	14	
B410447	19	
B410448	24	
B410449	19	
B410450	< 5	
B410451	171	
B410452	86	
B410453	32	
B410454	27	
B410455	14	
B410456	12	
B410457	16	
B410458	13	
B410459	12	
B410460	6760	
B410461	9	
B410462	33	
B410463	12	
B410464	15	
B410465	11	
B410466	10	
B410467	5	
B410468	6	
B410469	< 5	
B410470	< 5	
B410471	< 5	
B410472	< 5	
B410473	< 5	
B410474	8	
B410475	25	
B410476	7	
B410477	43	
B410478	45	
B410479	94	
B410480	1580	
B410481	74	
B410482	24	



Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
B410483	21	
B410484	33	
B410485	426	
B410486	43	
B410487	17	
B410488	8	
B410489	11	
B410490	< 5	
B410491	15	
B410492	18	
B410493	108	
B410494	11	
B410495	11	
B410496	14	
B410497	10	
B410498	25	
B410499	24	
B410500	506	
B410501	24	
B410502	28	
B410503	8	
B410504	11	
B410505	64	
B410506	89	
B410507	21	
B410508	6	
B410509	15	
B410510	< 5	
B410511	7	
B410512	7	
B410513	< 5	
B410514	13	
B410515	< 5	
B410516	< 5	
B410517	17	
B410518	424	
B410519	1920	
B410520	6810	
B410521	247	
B410522	24	
B410523	60	
B410524	42	
B410525	118	
B410526	24	
B410527	31	
B410528	35	
B410529	107	
B410530	< 5	
B410531	13	
B410532	132	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
B410533	11	
B410534	21	
B410535	10	
B410536	6	
B410537	10	
B410538	16	
B410539	13	
B410540	1590	
B410541	6	
B410542	< 5	
B410543	7	
B410544	< 5	
B410545	5	
B410546	27	
B410547	19	
B410548	89	
B410549	23	
B410550	< 5	
B410551	< 5	
B410552	6	
B410553	8	
B410554	18	
B410555	7	
B410556	< 5	
B410557	10	
B410558	13	
B410559	12	
B410560	> 10000	12.3
B410561	15	
B410562	100	
B410563	11	
B410564	122	
B410565	18	
B410566	13	
B410567	136	
B410568	47	
B410569	13	
B410570	< 5	
B410571	37	
B410572	97	
B410573	17	
B410574	33	
B410575	12	
B410576	26	
B410577	14	
B410578	15	
B410579	7	
B410580	520	
B410581	6	
B410582	5	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
B410583	11	
B410584	6	
B410585	6	
B410586	9	
B410587	10	
B410588	7	
B410589	9	
B410590	< 5	
B410591	32	
B410592	12	
B410593	12	
B410594	8	
B410595	6	
B410596	11	
B410597	< 5	
B410598	5	
B410599	6	
B410600	6740	
B410601	26	
B410602	23	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
OREAS 229b (Fire Assay) Meas		12.1
OREAS 229b (Fire Assay) Cert		11.9
Oreas E1336 (Fire Assay) Meas	509	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	526	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	520	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	530	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	505	
Oreas E1336 (Fire Assay) Cert	510	
OREAS 216b Meas	6870	6.70
OREAS 216b Cert	6660	6.66
OREAS 216b Meas	6690	
OREAS 216b Cert	6660	
OREAS 216b Meas	6650	
OREAS 216b Cert	6660	
OREAS 216b Meas	6810	
OREAS 216b Cert	6660	
OREAS 216b Meas	6680	
OREAS 216b Cert	6660	
OREAS 216b Meas	6700	
OREAS 216b Cert	6660	
B410436 Orig	12	
B410436 Dup	13	
B410454 Orig	27	
B410454 Dup	26	
B410465 Orig	11	
B410465 Dup	11	
B410472 Orig	< 5	
B410472 Dup	< 5	
B410482 Orig	24	
B410482 Split PREP DUP	27	
B410488 Orig	8	
B410488 Dup	7	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
B410499 Orig	25	
B410499 Dup	22	
B410505 Orig	54	
B410505 Dup	74	
B410523 Orig	53	
B410523 Dup	67	
B410532 Orig	132	
B410532 Split PREP DUP	159	
B410533 Orig	10	
B410533 Dup	11	
B410539 Orig	12	
B410539 Dup	13	
B410557 Orig	10	
B410557 Dup	10	
B410568 Orig	47	
B410568 Dup	46	
B410574 Orig	31	
B410574 Dup	34	
B410582 Orig	5	
B410582 Split PREP DUP	6	
B410591 Orig	33	
B410591 Dup	31	
Method Blank	< 5	
Method Blank	< 5	
Method Blank	7	
Method Blank	< 5	
Method Blank	< 5	
Method Blank	< 5	
Method Blank	< 5	
Method Blank	< 5	
Method Blank	< 5	
Method Blank	< 5	
Method Blank	< 5	
Method Blank		< 0.03
Method Blank	< 5	



Report No.: A21-08952-Au  
 Report Date: 04-Jun-21  
 Date Submitted: 18-May-21  
 Your Reference:

**SIGNATURE RESOURCES LTD**  
 366 Bay Street, suite 200  
 Toronto ON M5H 4B2  
 Canada

ATTN: Robert Vallis

## CERTIFICATE OF ANALYSIS

240 Core samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A2B-30-Dryden	QOP AA-Au (Au - Fire Assay AA)	2021-06-01 12:09:15
1A3-Dryden	QOP AA-Au (Au - Fire Assay Gravimetric)	2021-06-03 16:00:27

REPORT **A21-08952-Au**

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Notes:

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



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 E-MAIL Dryden@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

CERTIFIED BY:

Emmanuel Esemé , Ph.D.  
 Quality Control Coordinator

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
B410603	6	
B410604	6	
B410605	28	
B410606	21	
B410607	6	
B410608	11	
B410609	8	
B410610	< 5	
B410611	5	
B410612	6	
B410613	21	
B410614	64	
B410615	34	
B410616	73	
B410617	< 5	
B410618	30	
B410619	30	
B410620	1580	
B410621	12	
B410622	8	
B410623	7	
B410624	6	
B410625	7	
B410626	11	
B410627	10	
B410628	6	
B410629	163	
B410630	< 5	
B410631	7	
B410632	6	
B410633	7	
B410634	9	
B410635	7	
B410636	7	
B410637	12	
B410638	9	
B410639	10	
B410640	519	
B410641	15	
B410642	14	
B410643	14	
B410644	38	
B410645	26	
B410646	195	
B410647	16	
B410648	27	
B410649	48	
B410650	< 5	
B410651	144	
B410652	12	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
B410653	340	
B410654	6	
B410655	9	
B410656	7	
B410657	2060	
B410658	25	
B410659	31	
B410660	6840	
B410661	28	
B410662	19	
B410663	23	
B410664	14	
B410665	23	
B410666	14	
B410667	14	
B410668	28	
B410669	28	
B410670	< 5	
B410671	18	
B410672	18	
B410673	13	
B410674	11	
B410675	12	
B410676	17	
B410677	33	
B410678	34	
B410679	21	
B410680	1560	
B410681	15	
B410682	< 5	
B410683	5	
B410684	5	
B410685	10	
B410686	8	
B410687	14	
B410688	5	
B410689	10	
B410690	< 5	
B410691	24	
B410692	18	
B410693	19	
B410694	21	
B410695	19	
B410696	17	
B410697	11	
B410698	10	
B410699	19	
B410700	511	
B410701	35	
B410702	24	



Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
B410703	31	
B410704	41	
B410705	26	
B410706	209	
B410707	42	
B410708	43	
B410709	54	
B410710	< 5	
B410711	10	
B410712	15	
B410713	9	
B410714	28	
B410715	58	
B410716	44	
B410717	67	
B410718	32	
B410719	7	
B410720	6660	
B410721	12	
B410722	7	
B410723	19	
B410724	14	
B410725	5	
B410726	5	
B410727	< 5	
B410728	10	
B410729	8	
B410730	< 5	
B410731	7	
B410732	7	
B410733	44	
B410734	11	
B410735	8	
B410736	8	
B410737	10	
B410738	21	
B410739	12	
B410740	1580	
B410741	36	
B410742	32	
B410743	41	
B410744	45	
B410745	114	
B410746	11	
B410747	48	
B410748	6010	
B410749	105	
B410750	< 5	
B410751	434	
B410752	46	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
B410753	8	
B410754	10	
B410755	5	
B410756	6	
B410757	12	
B410758	7	
B410759	9	
B410760	496	
B410761	9	
B410762	19	
B410763	22	
B410764	6	
B410765	5	
B410766	198	
B410767	101	
B410768	26	
B410769	101	
B410770	< 5	
B410771	17	
B410772	11	
B410773	24	
B410774	65	
B410775	489	
B410776	399	
B410777	314	
B410778	2440	
B410779	6030	
B410780	6630	
B410781	1440	
B410782	74	
B410783	433	
B410784	361	
B410785	130	
B410786	3300	
B410787	205	
B410788	71	
B410789	184	
B410790	< 5	
B410791	109	
B410792	35	
B410793	131	
B410794	53	
B410795	42	
B410796	45	
B410797	65	
B410798	238	
B410799	8	
B410800	1580	
B410801	217	
B410802	76	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
B410803	160	
B410804	32	
B410805	47	
B410806	9	
B410807	87	
B410808	818	
B410809	66	
B410810	< 5	
B410811	81	
B410812	333	
B410813	154	
B410814	798	
B410815	602	
B410816	25	
B410817	13	
B410818	30	
B410819	31	
B410820	> 10000	12.3
B410821	19	
B410822	7	
B410823	8	
B410824	12	
B410825	126	
B410826	15	
B410827	12	
B410828	20	
B410829	49	
B410830	< 5	
B410831	30	
B410832	11	
B410833	10	
B410834	< 5	
B410835	< 5	
B410836	< 5	
B410837	12	
B410838	8	
B410839	20	
B410840	516	
B410841	17	
B410842	14	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
Oreas E1336 (Fire Assay) Meas	499	0.50
Oreas E1336 (Fire Assay) Cert	510	0.510
Oreas E1336 (Fire Assay) Meas	516	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	509	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	507	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	512	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	513	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	516	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	492	
Oreas E1336 (Fire Assay) Cert	510	
OREAS 216b Meas	6570	6.70
OREAS 216b Cert	6660	6.66
OREAS 216b Meas	6740	
OREAS 216b Cert	6660	
OREAS 216b Meas	6720	
OREAS 216b Cert	6660	
OREAS 216b Meas	6770	
OREAS 216b Cert	6660	
OREAS 216b Meas	6780	
OREAS 216b Cert	6660	
OREAS 216b Meas	6740	
OREAS 216b Cert	6660	
OREAS 216b Meas	6600	
OREAS 216b Cert	6660	
OREAS 216b Meas	6540	
OREAS 216b Cert	6660	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
B410613 Orig	20	
B410613 Dup	21	
B410622 Orig	7	
B410622 Dup	8	
B410631 Orig	6	
B410631 Dup	7	
B410648 Orig	26	
B410648 Dup	28	
B410652 Orig	12	
B410652 Split PREP DUP	16	
B410656 Orig	7	
B410656 Dup	6	
B410665 Orig	23	
B410665 Dup	22	
B410682 Orig	< 5	
B410682 Dup	5	
B410691 Orig	20	
B410691 Dup	28	
B410701 Orig	35	
B410701 Dup	34	
B410702 Orig	24	
B410702 Split PREP DUP	28	
B410716 Orig	42	
B410716 Dup	45	
B410725 Orig	5	
B410725 Dup	5	
B410734 Orig	10	
B410734 Dup	11	
B410751 Orig	450	
B410751 Dup	417	
B410752 Orig	46	
B410752 Split PREP DUP	49	
B410759 Orig	8	
B410759 Dup	10	
B410768 Orig	26	
B410768 Dup	25	
B410785 Orig	129	
B410785 Dup	130	
B410794 Orig	48	
B410794 Dup	57	
B410802 Orig	76	
B410802 Split PREP DUP	97	
B410828 Orig	16	
B410828 Dup	23	
B410837 Orig	12	
B410837 Dup	11	
Method Blank	< 5	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
Method Blank	< 5	
Method Blank	< 5	
Method Blank	< 5	
Method Blank	< 5	
Method Blank	< 5	
Method Blank	< 5	
Method Blank	< 5	
Method Blank	< 5	
Method Blank	< 5	
Method Blank	< 5	
Method Blank	< 5	
Method Blank	< 5	
Method Blank	< 5	
Method Blank	< 5	
Method Blank		< 0.03
Method Blank	< 5	



Report No.: A21-09336
Report Date: 11-Jun-21
Date Submitted: 26-May-21
Your Reference: LINGMAN LAKE WINTER 2021

SIGNATURE RESOURCES LTD
366 Bay Street, suite 200
Toronto ON M5H 4B2
Canada

ATTN: Robert Vallis

CERTIFICATE OF ANALYSIS

311 Core samples were submitted for analysis.

Table with 3 columns: Analytical package(s) requested, Test Name, and Testing Date. Rows include 1A2B-30-Dryden and 1A3-Dryden.

REPORT A21-09336

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Notes:

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



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CERTIFIED BY:

Handwritten signature of Emmanuel Esemé

Emmanuel Esemé, Ph.D.
Quality Control Coordinator

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
B410843	40	
B410844	16	
B410845	688	
B410846	12	
B410847	83	
B410848	157	
B410849	187	
B410850	< 5	
B410851	314	
B410852	1960	
B410853	6	
B410854	50	
B410855	57	
B410856	31	
B410857	57	
B410858	34	
B410859	17	
B410860	6550	
B410861	22	
B410862	29	
B410863	21	
B410864	30	
B410865	10	
B410866	17	
B410867	20	
B410868	22	
B410869	10	
B410870	< 5	
B410871	6	
B410872	36	
B410873	28	
B410874	10	
B410875	7	
B410876	7	
B410877	16	
B410878	22	
B410879	47	
B410880	1570	
B410881	22	
B410882	11	
B410883	10	
B410884	61	
B410885	32	
B410886	154	
B410887	22	
B410888	17	
B410889	14	
B410890	< 5	
B410891	40	
B410892	12	



Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
B410893	15	
B410894	14	
B410895	26	
B410896	22	
B410897	10	
B410898	74	
B410899	19	
B410900	516	
B410901	20	
B410902	27	
B410903	33	
B410904	34	
B410905	72	
B410906	42	
B410907	49	
B410908	22	
B410909	15	
B410910	< 5	
B410911	18	
B410912	11	
B410913	10	
B410914	16	
B410915	16	
B410916	18	
B410917	14	
B410918	21	
B410919	34	
B410920	6620	
B410921	156	
B410922	49	
B410923	10	
B410924	9	
B410925	21	
B410926	34	
B410927	25	
B410928	14	
B410929	9	
B410930	5	
B410931	16	
B410932	15	
B410933	29	
B410934	31	
B410935	18	
B410936	24	
B410937	11	
B410938	30	
B410939	17	
B410940	1550	
B410941	26	
B410942	19	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
B410943	32	
B410944	71	
B410945	78	
B410946	14	
B410947	21	
B410948	62	
B410949	33	
B410950	< 5	
B410951	63	
B410952	17	
B410953	10	
B410954	15	
B410955	40	
B410956	42	
B410957	158	
B410958	25	
B410959	21	
B410960	512	
B410961	12	
B410962	54	
B410963	352	
B410964	39	
B410965	13	
B410966	26	
B410967	7	
B410968	17	
B410969	18	
B410970	< 5	
B410971	34	
B410972	28	
B410973	32	
B410974	22	
B410975	9	
B410976	11	
B410977	33	
B410978	15	
B410979	24	
B410980	1570	
B410981	15	
B410982	8	
B410983	7	
B410984	15	
B410985	22	
B410986	17	
B410987	3040	
B410988	113	
B410989	15	
B410990	< 5	
B410991	16	
B410992	37	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
B410993	197	
B410994	14	
B410995	6	
B410996	6	
B410997	17	
B410998	14	
B410999	12	
B411000	6790	
B411001	40	
B411002	43	
B411003	51	
B411004	12	
B411005	35	
B411006	10	
B411007	20	
B411008	28	
B411009	21	
B411010	< 5	
B411011	296	
B411012	113	
B411013	360	
B411014	30	
B411015	36	
B411016	35	
B411017	29	
B411018	12	
B411019	7	
B411020	522	
B411021	< 5	
B411022	49	
B411023	18	
B411024	22	
B411025	52	
B411026	55	
B411027	< 5	
B411028	< 5	
B411029	19	
B411030	< 5	
B411031	< 5	
B411032	< 5	
B411033	10	
B411034	46	
B411035	18	
B411036	15	
B411037	92	
B412451	6050	
B412452	3590	
B412453	5520	
B412454	173	
B412455	141	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
B412456	2380	
B412457	5230	
B412458	28	
B412459	9080	
B412460	1560	
B412461	1630	
B412462	> 10000	31.5
B412463	9670	
B412464	7150	
B412465	284	
B412467	6	
B412468	132	
B412901	24	
B412902	392	
B412903	< 5	
B412904	< 5	
B412905	6	
B412906	9	
B412907	224	
B412908	13	
B412909	5660	
B412910	6610	
B412911	7950	
B412912	> 10000	16.5
B412913	1470	
B412914	403	
B412915	133	
B412916	539	
B412917	26	
B412918	2230	
B412919	3870	
B412920	6	
B412921	> 10000	11.0
B412922	6030	
B412923	> 10000	15.1
B412924	> 10000	39.5
B412925	> 10000	89.6
B412926	4090	
B412927	1130	
B412928	50	
B412929	21	
B412930	1570	
B412931	767	
B412932	5430	
B412933	> 10000	21.3
B412934	99	
B412935	60	
B412936	< 5	
B412937	34	
B412938	30	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
B412939	31	
B412940	6550	
B412941	54	
B412942	40	
B412943	45	
B412944	426	
B412945	> 10000	21.6
B412946	5190	
B412947	156	
B412948	154	
B412949	> 10000	21.5
B412950	6	
B412952	78	
B412953	53	
B412954	134	
B412955	38	
B412956	516	
B412957	4420	
B412958	> 10000	10.8
B412959	382	
B412960	< 5	
B412961	2110	
B412962	5770	
B412963	8320	
B412964	> 10000	13.5
B412965	> 10000	11.9
B412966	> 10000	22.5
B412967	> 10000	17.6
B412968	> 10000	17.0
B412969	> 10000	13.9
B412970	5	
B412971	502	
B412972	985	
B412973	> 10000	22.3
B412974	> 10000	18.2
B412975	> 10000	16.9
B412976	8	
B412977	51	
B412978	47	
B412979	16	
B412980	1590	
B412981	17	
B412982	13	
B412983	88	
B412984	542	
B412985	1650	
B412986	> 10000	21.4
B412987	> 10000	11.7
B412988	1250	
B412989	70	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
B412990	< 5	
B412991	2040	
B412992	8160	
B412993	> 10000	48.9
B412994	> 10000	20.6
B412995	4770	
B412996	< 5	
B412997	9	
B412998	78	
B412999	16	
B413000	> 10000	10.9

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
OREAS 229b (Fire Assay) Meas		12.1
OREAS 229b (Fire Assay) Cert		11.9
Oreas E1336 (Fire Assay) Meas	516	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	528	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	506	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	519	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	519	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	513	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	514	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	507	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	501	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	508	
Oreas E1336 (Fire Assay) Cert	510	
OREAS 216b Meas	6540	6.67
OREAS 216b Cert	6660	6.66
OREAS 216b Meas	6520	
OREAS 216b Cert	6660	
OREAS 216b Meas	6470	
OREAS 216b Cert	6660	
OREAS 216b Meas	6580	
OREAS 216b Cert	6660	
OREAS 216b	6600	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
Meas		
OREAS 216b Cert	6660	
OREAS 216b Meas	6620	
OREAS 216b Cert	6660	
OREAS 216b Meas	6550	
OREAS 216b Cert	6660	
OREAS 216b Meas	6560	
OREAS 216b Cert	6660	
OREAS 216b Meas	6630	
OREAS 216b Cert	6660	
OREAS 216b Meas	6570	
OREAS 216b Cert	6660	
OREAS 216b Meas	6550	
OREAS 216b Cert	6660	
B410847 Orig	69	
B410847 Dup	97	
B410862 Orig	30	
B410862 Dup	28	
B410870 Orig	< 5	
B410870 Dup	< 5	
B410882 Orig	12	
B410882 Dup	10	
B410892 Orig	12	
B410892 Split PREP DUP	12	
B410896 Orig	20	
B410896 Dup	23	
B410904 Orig	32	
B410904 Dup	36	
B410916 Orig	15	
B410916 Dup	20	
B410931 Orig	14	
B410931 Dup	18	
B410939 Orig	17	
B410939 Dup	17	
B410942 Orig	19	
B410942 Split PREP DUP	23	
B410951 Orig	63	
B410951 Dup	62	
B410965 Orig	13	
B410965 Dup	13	
B410979 Orig	34	
B410979 Dup	13	
B410985 Orig	18	
B410985 Dup	25	





Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
Method Blank	< 5	
Method Blank	< 5	
Method Blank		< 0.03
Method Blank	< 5	



Report No.: A21-09845-Au  
 Report Date: 04-Jun-21  
 Date Submitted: 01-Jun-21  
 Your Reference: LINGMAN LAKE WINTER 2021

**SIGNATURE RESOURCES LTD**  
 366 Bay Street, suite 200  
 Toronto ON M5H 4B2  
 Canada

ATTN: Robert Vallis

## CERTIFICATE OF ANALYSIS

170 Core samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A2B-30-Dryden	QOP AA-Au (Au - Fire Assay AA)	2021-06-03 13:20:29
1A3-50-Dryden	QOP AA-Au (Au - Fire Assay Gravimetric)	2021-06-04 16:43:42

REPORT **A21-09845-Au**

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Notes:

50 g of sample

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



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CERTIFIED BY:

Emmanuel Esemé, Ph.D.  
 Quality Control Coordinator

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.02
Method Code	FA-AA	FA- GRA
B411213	24	
B411214	513	
B411215	762	
B411216	91	
B411217	482	
B411218	1540	
B411219	1380	
B411220	1550	
B411221	3420	
B411222	1450	
B411223	6	
B411224	38	
B411225	31	
B411226	18	
B411227	8	
B411228	15	
B411229	22	
B411230	< 5	
B411231	2750	
B411232	12	
B411233	58	
B411234	61	
B411235	23	
B411236	23	
B411237	14	
B411238	< 5	
B411239	26	
B411240	6620	
B411241	20	
B411242	33	
B411243	1160	
B411244	40	
B411245	880	
B411246	199	
B411247	8	
B411248	117	
B411249	7	
B411250	< 5	
B411251	13	
B411252	15	
B411253	8	
B411254	63	
B411255	10	
B411256	276	
B411257	< 5	
B411258	186	
B411259	< 5	
B411260	25	
B411261	147	
B411262	130	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.02
Method Code	FA-AA	FA- GRA
B411263	> 10000	12.0
B411264	< 5	
B411265	743	
B411266	37	
B411267	27	
B411268	119	
B411269	234	
B411270	85	
B411271	89	
B411272	69	
B411273	2960	
B411274	1930	
B411275	3780	
B411276	3670	
B411277	5390	
B411278	> 10000	12.2
B411279	8670	
B411280	509	
B411281	28	
B411282	35	
B411283	5	
B411284	45	
B411285	20	
B411286	21	
B411287	15	
B411288	56	
B411289	< 5	
B411290	< 5	
B411291	13	
B411292	14	
B411293	7	
B411294	53	
B411295	74	
B411296	87	
B411297	178	
B411298	38	
B411299	< 5	
B411300	1540	
B411301	13	
B411302	< 5	
B411303	17	
B411304	5	
B411305	7	
B411306	5	
B411307	8	
B411308	22	
B411309	14	
B411310	< 5	
B411311	13	
B411312	13	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.02
Method Code	FA-AA	FA- GRA
B411313	5	
B411314	33	
B411315	24	
B411316	24	
B411317	102	
B411318	24	
B411319	21	
B411320	6510	
B411321	31	
B411322	14	
B411323	27	
B411324	19	
B411325	30	
B411326	22	
B411327	13	
B411328	31	
B411329	15	
B411330	< 5	
B411331	7	
B411332	71	
B411333	8	
B411334	6	
B411335	11	
B411336	6	
B411337	1080	
B411338	282	
B411339	194	
B411340	500	
B411341	48	
B411342	3480	
B411343	< 5	
B411344	1750	
B411345	1360	
B411346	986	
B411347	14	
B411348	56	
B411349	34	
B411350	< 5	
B411351	24	
B411352	56	
B411353	18	
B411354	59	
B411355	68	
B411356	19	
B411357	65	
B411358	44	
B411359	7	
B411360	1560	
B411361	16	
B411362	112	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.02
Method Code	FA-AA	FA- GRA
B411363	644	
B411364	9	
B411365	122	
B411366	56	
B411367	209	
B411368	55	
B411369	42	
B411370	< 5	
B411371	33	
B411372	1000	
B411373	63	
B411374	152	
B411375	570	
B411376	513	
B411377	1000	
B411378	< 5	
B411379	9	
B411380	6630	
B411381	62	
B411382	36	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.02
Method Code	FA-AA	FA- GRA
OREAS 229b (Fire Assay) Meas		12.1
OREAS 229b (Fire Assay) Cert		11.9
Oreas E1336 (Fire Assay) Meas	510	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	507	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	491	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	516	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	498	
Oreas E1336 (Fire Assay) Cert	510	
OREAS 216b Meas	6570	6.57
OREAS 216b Cert	6660	6.66
OREAS 216b Meas	6510	
OREAS 216b Cert	6660	
OREAS 216b Meas	6630	
OREAS 216b Cert	6660	
OREAS 216b Meas	6550	
OREAS 216b Cert	6660	
OREAS 216b Meas	6580	
OREAS 216b Cert	6660	
B411223 Orig	6	
B411223 Dup	5	
B411232 Orig	13	
B411232 Dup	11	
B411241 Orig	23	
B411241 Dup	16	
B411258 Orig	184	
B411258 Dup	187	
B411262 Orig	130	
B411262 Split PREP DUP	140	
B411266 Orig	36	
B411266 Dup	38	
B411275 Orig	3640	
B411275 Dup	3920	
B411292 Orig	11	



Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.02
Method Code	FA-AA	FA- GRA
B411292 Dup	16	
B411301 Orig	13	
B411301 Dup	13	
B411310 Orig	< 5	
B411310 Dup	< 5	
B411312 Orig	13	
B411312 Split PREP DUP	9	
B411326 Orig	26	
B411326 Dup	18	
B411335 Orig	13	
B411335 Dup	8	
B411344 Orig	1730	
B411344 Dup	1770	
B411361 Orig	16	
B411361 Dup	16	
B411362 Orig	112	
B411362 Split PREP DUP	80	
B411369 Orig	49	
B411369 Dup	35	
B411378 Orig	6	
B411378 Dup	< 5	
Method Blank	< 5	
Method Blank	< 5	
Method Blank	< 5	
Method Blank	5	
Method Blank	< 5	
Method Blank	< 5	
Method Blank	< 5	
Method Blank	< 5	
Method Blank	< 5	
Method Blank	< 5	
Method Blank		< 0.02



Report No.: A21-09911-Au
Report Date: 08-Jul-21
Date Submitted: 02-Jun-21
Your Reference:

SIGNATURE RESOURCES LTD
366 Bay Street, suite 200
Toronto ON M5H 4B2
Canada

ATTN: Robert Vallis

CERTIFICATE OF ANALYSIS

175 Core samples were submitted for analysis.

Table with 2 columns: The following analytical package(s) were requested: and Testing Date:
1A2B-30-Dryden QOP AA-Au (Au - Fire Assay AA) 2021-07-06 14:53:26

REPORT A21-09911-Au

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Notes:

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



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E-MAIL Dryden@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

CERTIFIED BY:

[Handwritten signature]

Elitsa Hrischeva, Ph.D.
Quality Control Coordinator

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
B411038	43
B411039	254
B411040	1580
B411041	23
B411042	21
B411043	20
B411044	12
B411045	14
B411046	32
B411047	< 5
B411048	3230
B411049	19
B411050	< 5
B411051	28
B411052	6
B411053	71
B411054	5450
B411055	27
B411056	17
B411057	11
B411058	19
B411059	9
B411060	6740
B411061	12
B411062	44
B411063	8
B411064	403
B411065	93
B411066	7150
B411067	23
B411068	88
B411069	2270
B411070	< 5
B411071	3050
B411072	198
B411073	1170
B411074	72
B411075	8
B411076	12
B411077	68
B411078	22
B411079	175
B411080	514
B411081	49
B411082	23
B411083	23
B411084	16
B411085	18
B411086	22
B411087	343
B411088	60

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
B411089	171
B411090	< 5
B411091	10
B411092	17
B411093	10
B411094	124
B411095	26
B411096	9
B411097	9
B411098	5
B411099	6
B411100	1500
B411101	< 5
B411102	8
B411103	17
B411104	12
B411105	101
B411106	126
B411107	40
B411108	39
B411109	56
B411110	< 5
B411111	12
B411112	< 5
B411113	44
B411114	< 5
B411115	8
B411116	15
B411117	86
B411118	22
B411119	28
B411120	6200
B411121	34
B411122	95
B411123	730
B411124	19
B411125	8
B411126	< 5
B411127	12
B411128	41
B411129	35
B411130	< 5
B411131	28
B411132	24
B411133	< 5
B411134	< 5
B411135	18
B411136	21
B411137	19
B411138	10
B411139	13

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
B411140	526
B411141	13
B411142	6
B411143	17
B411144	16
B411145	40
B411146	51
B411147	27
B411148	10
B411149	11
B411150	< 5
B411151	7
B411152	20
B411153	14
B411154	11
B411155	676
B411156	706
B411157	68
B411158	33
B411159	58
B411160	1550
B411161	320
B411162	39
B411163	7
B411164	< 5
B411165	< 5
B411166	398
B411167	154
B411168	39
B411169	< 5
B411170	< 5
B411171	< 5
B411172	< 5
B411173	14
B411174	6
B411175	7
B411176	8
B411177	29
B411178	13
B411179	8
B411180	6600
B411181	13
B411182	18
B411183	13
B411184	16
B411185	133
B411186	66
B411187	28
B411188	118
B411189	7
B411190	< 5

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
B411191	76
B411192	23
B411193	48
B411194	36
B411195	8
B411196	10
B411197	198
B411198	17
B411199	22
B411200	513
B411201	14
B411202	32
B411203	22
B411204	73
B411205	38
B411206	20
B411207	263
B411208	55
B411209	686
B411210	< 5
B411211	631
B411212	291

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
Oreas E1336 (Fire Assay) Meas	492
Oreas E1336 (Fire Assay) Cert	510
Oreas E1336 (Fire Assay) Meas	492
Oreas E1336 (Fire Assay) Cert	510
Oreas E1336 (Fire Assay) Meas	520
Oreas E1336 (Fire Assay) Cert	510
Oreas E1336 (Fire Assay) Meas	501
Oreas E1336 (Fire Assay) Cert	510
Oreas E1336 (Fire Assay) Meas	513
Oreas E1336 (Fire Assay) Cert	510
Oreas E1336 (Fire Assay) Meas	490
Oreas E1336 (Fire Assay) Cert	510
Oreas E1336 (Fire Assay) Meas	521
Oreas E1336 (Fire Assay) Cert	510
OREAS 216b Meas	6530
OREAS 216b Cert	6660
OREAS 216b Meas	6430
OREAS 216b Cert	6660
OREAS 216b Meas	6340
OREAS 216b Cert	6660
OREAS 216b Meas	6730
OREAS 216b Cert	6660
OREAS 216b Meas	6500
OREAS 216b Cert	6660
OREAS 216b Meas	6550
OREAS 216b Cert	6660
OREAS 216b Meas	6490
OREAS 216b Cert	6660
B411059 Orig	8
B411059 Dup	10
B411070 Orig	< 5
B411070 Dup	< 5
B411087 Orig	343
B411087 Split PREP DUP	433
B411093 Orig	10

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
B411093 Dup	10
B411104 Orig	13
B411104 Dup	11
B411137 Orig	19
B411137 Split PREP DUP	18
B411138 Orig	10
B411138 Dup	9
B411144 Orig	17
B411144 Dup	14
B411173 Orig	14
B411173 Dup	13
B411179 Orig	5
B411179 Dup	10
B411187 Orig	28
B411187 Split PREP DUP	18
B411196 Orig	9
B411196 Dup	10
B411207 Orig	246
B411207 Dup	280
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5





Report No.: A21-10847-ReAssay  
 Report Date: 18-Jun-21  
 Date Submitted: 11-Jun-21  
 Your Reference: LINGMAN LAKE WINTER  
 2021

**SIGNATURE RESOURCES LTD**  
 366 Bay Street, suite 200  
 Toronto ON M5H 4B2  
 Canada

ATTN: P.ENG. John Michael Siriunas

### CERTIFICATE OF ANALYSIS

40 Pulp samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A2B-30-Dryden	QOP AA-Au (Au - Fire Assay AA)	2021-06-15 14:09:32

REPORT **A21-10847-ReAssay**

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Notes:

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



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 264 Government Road, Dryden, Ontario, Canada, P8N 2R3  
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 E-MAIL Dryden@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

CERTIFIED BY:

Emmanuel Esemé , Ph.D.  
 Quality Control Coordinator

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
410015	1150
410016	502
410153	16
410154	7240
410155	48
410156	142
410157	20
410158	190
410770	< 5
410771	16
410772	12
410773	23
410774	57
410775	570
410776	416
410777	338
410778	2200
410779	4400
410780	6750
410781	1500
410810	< 5
410811	38
410812	302
410813	116
410814	233
410815	691
410816	21
410817	12
410818	30
410819	31
411213	43
411214	587
411215	698
411216	101
411217	489
411218	1220
411219	1410
411220	1580
411221	3330
411222	2000

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
Oreas E1336 (Fire Assay) Meas	519
Oreas E1336 (Fire Assay) Cert	510
Oreas E1336 (Fire Assay) Meas	509
Oreas E1336 (Fire Assay) Cert	510
Oreas E1336 (Fire Assay) Meas	511
Oreas E1336 (Fire Assay) Cert	510
Oreas E1336 (Fire Assay) Meas	494
Oreas E1336 (Fire Assay) Cert	510
Oreas E1336 (Fire Assay) Meas	519
Oreas E1336 (Fire Assay) Cert	510
OREAS 216b Meas	6700
OREAS 216b Cert	6660
OREAS 216b Meas	6530
OREAS 216b Cert	6660
OREAS 216b Meas	6480
OREAS 216b Cert	6660
OREAS 216b Meas	6390
OREAS 216b Cert	6660
OREAS 216b Meas	6610
OREAS 216b Cert	6660
411215 Orig	676
411215 Dup	719
411221 Orig	3330
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5



Report No.: A21-10913-Au  
 Report Date: 13-Jul-21  
 Date Submitted: 14-Jun-21  
 Your Reference: LINGMAN LAKE WINTER 2021

**SIGNATURE RESOURCES LTD**  
 366 Bay Street, suite 200  
 Toronto ON M5H 4B2  
 Canada

ATTN: Robert Vallis

## CERTIFICATE OF ANALYSIS

154 Core samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A2B-30-Dryden	QOP AA-Au (Au - Fire Assay AA)	2021-07-10 18:13:50
1A3-Dryden	QOP AA-Au (Au - Fire Assay Gravimetric)	2021-07-13 12:34:43

REPORT **A21-10913-Au**

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Notes:

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

Values which exceed the upper limit should be assayed for accurate numbers.



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CERTIFIED BY:

Emmanuel Esemé, Ph.D.  
 Quality Control Coordinator

Report No.: A21-10913-Au  
Report Date: 13-Jul-21  
Date Submitted: 14-Jun-21  
Your Reference: LINGMAN LAKE WINTER 2021

SIGNATURE RESOURCES LTD  
366 Bay Street, suite 200  
Toronto ON M5H 4B2  
Canada

ATTN: Robert Vallis

**CERTIFICATE OF ANALYSIS**

154 Core samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1E3-Tbay	QOP AquaGeo (Aqua Regia ICPOES)	

REPORT **A21-10913-Au**

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3  
Values which exceed the upper limit should be assayed for accurate numbers.



LabID: 673

**ACTIVATION LABORATORIES LTD.**  
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TELEPHONE +807 622-6707 or +1.888.228.5227 FAX +1.905.648.9613  
E-MAIL Tbay@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

CERTIFIED BY:

Emmanuel Esemé, Ph.D.  
Quality Control Coordinator

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
B411444	310	
B411445	55	
B411446	13	
B411447	6	
B411448	56	
B411449	15	
B411450	< 5	
B411451	20	
B411452	145	
B411453	49	
B411454	107	
B411455	370	
B411456	48	
B411457	< 5	
B411458	31	
B411459	24	
B411460	6420	
B411461	14	
B411462	33	
B411463	17	
B411464	33	
B411465	24	
B411466	78	
B411467	14	
B411468	40	
B411469	125	
B411470	< 5	
B411471	34	
B411472	19	
B411473	29	
B411474	59	
B411475	11	
B411476	10	
B411477	< 5	
B411478	< 5	
B411479	120	
B411480	516	
B411481	174	
B411482	11	
B411483	527	
B411484	75	
B411485	18	
B411486	14	
B411487	392	
B411488	9	
B411489	55	
B411490	< 5	
B411491	128	
B411492	328	
B411493	37	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
B411494	12	
B411495	9	
B411496	12	
B411497	16	
B411498	14	
B411499	13	
B411500	1790	
B411501	39	
B411502	19	
B411503	33	
B411504	44	
B411505	260	
B411506	172	
B411507	18	
B411508	111	
B411509	53	
B411510	< 5	
B411511	629	
B411512	32	
B411513	28	
B411514	53	
B411515	10	
B411516	9	
B411517	25	
B411518	50	
B411619	40	
B411620	6290	
B411621	20	
B411622	55	
B411623	6	
B411624	9	
B411625	11	
B411626	< 5	
B411627	6	
B411628	24	
B411629	28	
B411630	< 5	
B411631	24	
B411632	13	
B411633	6	
B411634	9	
B411635	26	
B411636	118	
B411637	31	
B411638	34	
B411639	31	
B411640	1780	
B411641	30	
B411642	32	
B411643	15	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
B411644	8	
B411645	7	
B411646	15	
B411647	376	
B411648	62	
B411649	< 5	
B411650	< 5	
B411651	61	
B411652	114	
B411653	124	
B411654	146	
B411655	53	
B411656	38	
B411657	19	
B411658	< 5	
B411659	41	
B411660	6720	
B411661	732	
B411662	31	
B411663	47	
B411664	97	
B411665	1050	
B411666	40	
B411667	67	
B411668	209	
B411669	34	
B411670	< 5	
B411671	< 5	
B411672	13	
B411673	< 5	
B411674	152	
B411675	203	
B411676	313	
B411677	1160	
B411678	90	
B411679	144	
B411680	1820	
B411681	74	
B411682	261	
B411683	1770	
B411684	2190	
B411685	93	
B411686	25	
B411687	6	
B411688	385	
B411689	4900	
B411690	5	
B411691	9	
B411692	92	
B411693	102	



Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
B411694	391	
B411695	102	
B411696	79	
B411697	> 10000	12.2

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
OREAS 229b (Fire Assay) Meas		12.1
OREAS 229b (Fire Assay) Cert		11.9
Oreas E1336 (Fire Assay) Meas	519	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	512	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	503	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	518	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	492	
Oreas E1336 (Fire Assay) Cert	510	
OREAS 216b Meas	6520	6.62
OREAS 216b Cert	6660	6.66
OREAS 216b Meas	6620	
OREAS 216b Cert	6660	
OREAS 216b Meas	6570	
OREAS 216b Cert	6660	
OREAS 216b Meas	6650	
OREAS 216b Cert	6660	
OREAS 216b Meas	6390	
OREAS 216b Cert	6660	
B411447 Orig	5	
B411447 Dup	6	
B411465 Orig	25	
B411465 Dup	22	
B411476 Orig	10	
B411476 Dup	10	
B411482 Orig	11	
B411482 Dup	10	
B411493 Orig	37	
B411493 Split PREP DUP	25	
B411499 Orig	12	
B411499 Dup	13	
B411510 Orig	< 5	
B411510 Dup	5	
B411516 Orig	9	





Report No.: A21-11179-Au
Report Date: 14-Jul-21
Date Submitted: 17-Jun-21
Your Reference: LINGMAN LAKE WINTER 2021

SIGNATURE RESOURCES LTD
366 Bay Street, suite 200
Toronto ON M5H 4B2
Canada

ATTN: Robert Vallis

CERTIFICATE OF ANALYSIS

161 Core samples were submitted for analysis.

Table with 2 columns: Analytical package(s) requested, Testing Date. Row 1: 1E3-Tbay, QOP AquaGeo (Aqua Regia ICPOES)

REPORT A21-11179-Au

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

Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3
Values which exceed the upper limit should be assayed for accurate numbers.



LabID: 673

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

CERTIFIED BY:

Handwritten signature of Emmanuel Esemé

Emmanuel Esemé, Ph.D.
Quality Control Coordinator

Report No.: A21-11179-Au  
Report Date: 14-Jul-21  
Date Submitted: 17-Jun-21  
Your Reference: LINGMAN LAKE WINTER 2021

SIGNATURE RESOURCES LTD  
366 Bay Street, suite 200  
Toronto ON M5H 4B2  
Canada

ATTN: Robert Vallis

**CERTIFICATE OF ANALYSIS**

161 Core samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A2B-30-Dryden	QOP AA-Au (Au - Fire Assay AA)	2021-07-13 15:51:02

REPORT      **A21-11179-Au**

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Notes:

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

Values which exceed the upper limit should be assayed for accurate numbers.



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E-MAIL Dryden@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

CERTIFIED BY:

Emmanuel Eseme , Ph.D.  
Quality Control Coordinator

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
B411383	43	
B411384	12	
B411385	464	
B411386	56	
B411387	7	
B411388	7	
B411389	530	
B411390	< 5	
B411391	9	
B411392	62	
B411393	117	
B411394	148	
B411395	10	
B411396	25	
B411397	94	
B411398	19	
B411399	22	
B411400	471	
B411401	17	
B411402	28	
B411403	27	
B411404	20	
B411405	67	
B411406	11	
B411407	29	
B411408	15	
B411409	37	
B411410	< 5	
B411411	14	
B411412	9	
B411413	20	
B411414	150	
B411415	54	
B411416	64	
B411417	50	
B411418	7	
B411419	6	
B411420	1790	
B411421	23	
B411422	107	
B411423	12	
B411424	13	
B411425	6	
B411426	18	
B411427	15	
B411428	133	
B411429	46	
B411430	< 5	
B411431	88	
B411432	320	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
B411433	422	
B411434	10	
B411435	33	
B411436	39	
B411437	22	
B411438	344	
B411439	111	
B411440	1760	
B411441	18	
B411442	15	
B411443	32	
B411519	14	
B411520	6600	
B411521	8	
B411522	18	
B411523	18	
B411524	8	
B411525	22	
B411526	11	
B411527	15	
B411528	15	
B411529	18	
B411530	5	
B411531	7	
B411532	7	
B411533	9	
B411534	9	
B411535	9	
B411536	13	
B411537	14	
B411538	17	
B411539	< 5	
B411540	1740	
B411541	16	
B411542	14	
B411543	9	
B411544	8	
B411545	8	
B411546	8	
B411547	10	
B411548	14	
B411549	18	
B411550	5	
B411551	16	
B411552	14	
B411553	171	
B411554	226	
B411555	13	
B411556	20	
B411557	10	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
B411558	11	
B411559	17	
B411560	6260	
B411561	24	
B411562	12	
B411563	17	
B411564	10	
B411565	20	
B411566	28	
B411567	9	
B411568	8	
B411569	70	
B411570	< 5	
B411571	16	
B411572	9	
B411573	23	
B411574	17	
B411575	15	
B411576	22	
B411577	27	
B411578	8	
B411579	10	
B411580	1780	
B411581	12	
B411582	6	
B411583	6	
B411584	< 5	
B411585	5	
B411586	12	
B411587	39	
B411588	826	
B411589	288	
B411590	< 5	
B411591	60	
B411592	15	
B411593	13	
B411594	10	
B411595	21	
B411596	12	
B411597	34	
B411598	10	
B411599	6	
B411600	> 10000	12.2
B411601	12	
B411602	18	
B411603	20	
B411604	18	
B411605	9	
B411606	5	
B411607	13	



Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
B411608	24	
B411609	< 5	
B411610	< 5	
B411611	16	
B411612	< 5	
B411613	13	
B411614	29	
B411615	19	
B411616	24	
B411617	21	
B411618	20	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
OREAS 229b (Fire Assay) Meas		12.4
OREAS 229b (Fire Assay) Cert		11.9
Oreas E1336 (Fire Assay) Meas	501	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	518	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	514	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	510	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	505	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	501	
Oreas E1336 (Fire Assay) Cert	510	
OREAS 216b Meas	6590	6.68
OREAS 216b Cert	6660	6.66
OREAS 216b Meas	6690	
OREAS 216b Cert	6660	
OREAS 216b Meas	6690	
OREAS 216b Cert	6660	
OREAS 216b Meas	6680	
OREAS 216b Cert	6660	
OREAS 216b Meas	6540	
OREAS 216b Cert	6660	
OREAS 216b Meas	6560	
OREAS 216b Cert	6660	
B411387 Orig	8	
B411387 Dup	6	
B411402 Orig	23	
B411402 Dup	32	
B411410 Orig	< 5	
B411410 Dup	6	
B411422 Orig	109	
B411422 Dup	105	
B411432 Orig	320	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
B411432 Split PREP DUP	271	
B411436 Orig	42	
B411436 Dup	36	
B411519 Orig	14	
B411519 Dup	14	
B411531 Orig	6	
B411531 Dup	7	
B411546 Orig	9	
B411546 Dup	6	
B411554 Orig	235	
B411554 Dup	216	
B411557 Orig	10	
B411557 Split PREP DUP	9	
B411565 Orig	21	
B411565 Dup	18	
B411579 Orig	12	
B411579 Dup	8	
B411599 Orig	5	
B411599 Dup	6	
B411607 Orig	13	
B411607 Split PREP DUP	13	
B411614 Orig	34	
B411614 Dup	23	
Method Blank	< 5	
Method Blank	< 5	
Method Blank	< 5	
Method Blank	< 5	
Method Blank	< 5	
Method Blank	< 5	
Method Blank	< 5	
Method Blank	< 5	
Method Blank	< 5	
Method Blank	< 5	
Method Blank	< 5	< 0.03
Method Blank	< 5	



Report No.: A21-18623-Au
Report Date: 08-Oct-21
Date Submitted: 04-Oct-21
Your Reference: LINGMAN LAKE FALL 2021

SIGNATURE RESOURCES LTD
366 Bay Street, suite 200
Toronto ON M5H 4B2
Canada

ATTN: Robert Vallis

CERTIFICATE OF ANALYSIS

55 Core samples were submitted for analysis.

Table with 2 columns: The following analytical package(s) were requested: and Testing Date:
1E3-Tbay QOP AquaGeo (Aqua Regia ICPOES)

REPORT A21-18623-Au

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3
Values which exceed the upper limit should be assayed for accurate numbers.



LabID: 673

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

CERTIFIED BY:

[Handwritten signature]

Emmanuel Esemé, Ph.D.
Quality Control Coordinator

Report No.: A21-18623-Au  
Report Date: 08-Oct-21  
Date Submitted: 04-Oct-21  
Your Reference: LINGMAN LAKE FALL 2021

SIGNATURE RESOURCES LTD  
366 Bay Street, suite 200  
Toronto ON M5H 4B2  
Canada

ATTN: Robert Vallis

CERTIFICATE OF ANALYSIS

55 Core samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A2B-30-Dryden	QOP AA-Au (Au - Fire Assay AA)	2021-10-06 17:26:34
1A3-Dryden	QOP AA-Au (Au - Fire Assay Gravimetric)	2021-10-08 11:09:54

REPORT A21-18623-Au

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E-MAIL Dryden@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

CERTIFIED BY:

Emmanuel Esemé, Ph.D.  
Quality Control Coordinator

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
B411707	351	
B411708	316	
B411709	83	
B411710	< 5	
B411711	118	
B411712	11	
B411713	< 5	
B411714	< 5	
B411715	< 5	
B411716	< 5	
B411717	< 5	
B411718	9	
B411719	64	
B411720	6480	
B411721	25	
B411722	325	
B411723	741	
B411724	> 10000	13.8
B411725	3820	
B411726	1790	
B411727	692	
B411728	1010	
B411729	1380	
B411730	5	
B411731	351	
B411732	10	
B411733	81	
B411737	5	
B411738	14	
B411739	820	
B411740	532	
B411741	110	
B411742	65	
B411743	44	
B411747	127	
B411748	21	
B411749	32	
B411773	1280	
B411779	25	
B411780	8660	
B411781	11	
B411782	9	
B411783	6	
B411784	6	
B411785	6	
B411786	< 5	
B411787	5	
B411788	8	
B411789	< 5	
B411790	< 5	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
B411791	< 5	
B411792	< 5	
B411793	16	
B411794	16	
B411795	23	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
OREAS 216 (Fire Assay) Meas	6500	
OREAS 216 (Fire Assay) Cert	6660	
OREAS 229b (Fire Assay) Meas		12.1
OREAS 229b (Fire Assay) Cert		11.9
OREAS 226 (Fire Assay) Meas	5580	5.41
OREAS 226 (Fire Assay) Cert	5450	5.45
Oreas E1336 (Fire Assay) Meas	509	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	490	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	510	
Oreas E1336 (Fire Assay) Cert	510	
B411728 Orig	1050	
B411728 Dup	969	
B411733 Orig	81	
B411733 Split PREP DUP	88	
B411741 Orig	121	
B411741 Dup	99	
B411773 Orig	1260	
B411773 Dup	1300	
Method Blank	< 5	
Method Blank	< 5	
Method Blank	< 5	
Method Blank	< 5	
Method Blank		< 0.03





Report No.: A21-18624-Au
Report Date: 16-Nov-21
Date Submitted: 04-Oct-21
Your Reference: LINGMAN LAKE FALL 2021

SIGNATURE RESOURCES LTD
366 Bay Street, suite 200
Toronto ON M5H 4B2
Canada

ATTN: Robert Vallis

CERTIFICATE OF ANALYSIS

49 Core samples were submitted for analysis.

Table with 2 columns: The following analytical package(s) were requested: and Testing Date:
Row 1: 1E3-Tbay, QOP AquaGeo (Aqua Regia ICPOES)

REPORT A21-18624-Au

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3
Values which exceed the upper limit should be assayed for accurate numbers.



LabID: 673

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

CERTIFIED BY:

Handwritten signature of Emmanuel Esemé

Emmanuel Esemé, Ph.D.
Quality Control Coordinator

Report No.: A21-18624-Au  
Report Date: 16-Nov-21  
Date Submitted: 04-Oct-21  
Your Reference: LINGMAN LAKE FALL 2021

SIGNATURE RESOURCES LTD  
366 Bay Street, suite 200  
Toronto ON M5H 4B2  
Canada

ATTN: Robert Vallis

CERTIFICATE OF ANALYSIS

49 Core samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A2B-30-Dryden	QOP AA-Au (Au - Fire Assay AA)	2021-11-13 17:51:04
1A3-Dryden	QOP AA-Au (Au - Fire Assay Gravimetric)	2021-11-16 11:58:44

REPORT A21-18624-Au

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Notes:

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E-MAIL Dryden@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

CERTIFIED BY:

Emmanuel Esemé, Ph.D.  
Quality Control Coordinator

Analyte Symbol	Au	Au
Unit Symbol	g/tonne	ppb
Lower Limit	0.03	5
Method Code	FA- GRA	FA-AA
B411701		21
B411702		1520
B411703		28
B411704	14.1	> 10000
B411705		254
B411706		28
B411734		10
B411735		23
B411736		15
B411744		6
B411745		7
B411746		< 5
B411750		< 5
B411751		352
B411752		55
B411753		65
B411754		< 5
B411755		12
B411756		14
B411757		8
B411758		< 5
B411759		12
B411760		1720
B411761		8
B411762		11
B411763		464
B411764		14
B411765		41
B411766		11
B411767		76
B411768		74
B411769		7
B411770		< 5
B411771		< 5
B411772		< 5
B411774		< 5
B411775		20
B411776		15
B411777		148
B411778		57
B411796		18
B411797		21
B411798		< 5
B411799		32
B411800		1600
B411801		14
B411802		16
B411803		12
B411804		21

Analyte Symbol	Au	Au
Unit Symbol	g/tonne	ppb
Lower Limit	0.03	5
Method Code	FA- GRA	FA-AA
OREAS 229b (Fire Assay) Meas	12.1	
OREAS 229b (Fire Assay) Cert	11.9	
Oreas E1336 (Fire Assay) Meas		518
Oreas E1336 (Fire Assay) Cert		510
Oreas E1336 (Fire Assay) Meas		515
Oreas E1336 (Fire Assay) Cert		510
OREAS 216b Meas	6.71	6390
OREAS 216b Cert	6.66	6660
OREAS 216b Meas		6370
OREAS 216b Cert		6660
B411745 Orig		9
B411745 Dup		5
B411757 Orig		8
B411757 Dup		7
B411762 Orig		11
B411762 Split PREP DUP		9
B411765 Orig		40
B411765 Dup		42
B411801 Orig		16
B411801 Dup		12
Method Blank		< 5
Method Blank		< 5
Method Blank		< 5
Method Blank	< 0.03	



Report No.: A21-19198-Au
Report Date: 15-Oct-21
Date Submitted: 12-Oct-21
Your Reference: LINGMAN LAKE FALL 2021

SIGNATURE RESOURCES LTD
366 Bay Street, suite 200
Toronto ON M5H 4B2
Canada

ATTN: Robert Vallis

CERTIFICATE OF ANALYSIS

53 Core samples were submitted for analysis.

Table with 3 columns: Analytical package(s) requested, Testing Date, and details. Rows include 1A2B-30-Dryden and 1A3-Dryden.

REPORT A21-19198-Au

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Notes:

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

Values which exceed the upper limit should be assayed for accurate numbers.



ACTIVATION LABORATORIES LTD.
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CERTIFIED BY:

Handwritten signature of Emmanuel Esemé

Emmanuel Esemé, Ph.D.
Quality Control Coordinator

Report No.: A21-19198-Au  
Report Date: 15-Oct-21  
Date Submitted: 12-Oct-21  
Your Reference: LINGMAN LAKE FALL 2021

SIGNATURE RESOURCES LTD  
366 Bay Street, suite 200  
Toronto ON M5H 4B2  
Canada

ATTN: Robert Vallis

CERTIFICATE OF ANALYSIS

53 Core samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1E3-Tbay	QOP AquaGeo (Aqua Regia ICPOES)	

REPORT A21-19198-Au

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3  
Values which exceed the upper limit should be assayed for accurate numbers.



LabID: 673

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

CERTIFIED BY:

Emmanuel Esemé, Ph.D.  
Quality Control Coordinator

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
B411814	74	
B411815	14	
B411816	38	
B411817	19	
B411818	160	
B411819	171	
B411820	5270	
B411821	30	
B411822	17	
B411823	16	
B411824	22	
B411825	17	
B411838	> 10000	17.2
B411839	1060	
B411840	> 10000	11.9
B411841	100	
B411842	3210	
B411843	7460	
B411844	3580	
B411847	18	
B411848	5	
B411849	4730	
B411850	< 5	
B411851	38	
B411857	16	
B411865	43	
B411866	11	
B411867	< 5	
B411868	62	
B411869	24	
B411870	< 5	
B411871	20	
B411872	65	
B411873	62	
B411874	13	
B411875	13	
B411876	9	
B411877	37	
B411878	9	
B411879	< 5	
B411880	542	
B411881	18	
B411882	8	
B411883	22	
B411884	176	
B411885	5010	
B411886	55	
B411891	47	
B411892	11	
B411893	8	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
B411894	14	
B411895	7	
B411896	7	



Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
OREAS 229b (Fire Assay) Meas		12.1
OREAS 229b (Fire Assay) Cert		11.9
OREAS 226 (Fire Assay) Meas	5290	5.43
OREAS 226 (Fire Assay) Cert	5450	5.45
OREAS 226 (Fire Assay) Meas	5340	
OREAS 226 (Fire Assay) Cert	5450	
OREAS 226 (Fire Assay) Meas	5410	
OREAS 226 (Fire Assay) Cert	5450	
Oreas E1336 (Fire Assay) Meas	507	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	510	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	513	
Oreas E1336 (Fire Assay) Cert	510	
B411817 Orig	20	
B411817 Dup	18	
B411849 Orig	4540	
B411849 Dup	4930	
B411865 Orig	43	
B411865 Split PREP DUP	42	
B411871 Orig	18	
B411871 Dup	22	
B411877 Orig	38	
B411877 Dup	36	
Method Blank	< 5	
Method Blank	< 5	
Method Blank	< 5	
Method Blank		< 0.03



Report No.: A21-19199-Au
Report Date: 15-Nov-21
Date Submitted: 12-Oct-21
Your Reference: LINGMAN LAKE FALL 2021

SIGNATURE RESOURCES LTD
366 Bay Street, suite 200
Toronto ON M5H 4B2
Canada

ATTN: Robert Vallis

CERTIFICATE OF ANALYSIS

46 Core samples were submitted for analysis.

Table with 2 columns: Analytical package requested and Testing Date. Row 1: 1A2B-30-Dryden, QOP AA-Au (Au - Fire Assay AA), 2021-11-13 17:51:04

REPORT A21-19199-Au

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Notes:

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



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E-MAIL Dryden@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

CERTIFIED BY:

Handwritten signature of Emmanuel Esemé

Emmanuel Esemé, Ph.D.
Quality Control Coordinator

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
B411805	38
B411806	555
B411807	< 5
B411808	148
B411809	6
B411810	< 5
B411811	< 5
B411812	323
B411813	12
B411826	18
B411827	6
B411828	5
B411829	10
B411830	< 5
B411831	16
B411832	42
B411833	42
B411834	888
B411835	813
B411836	782
B411837	3250
B411845	252
B411846	< 5
B411852	642
B411853	113
B411854	42
B411855	41
B411856	86
B411858	5
B411859	56
B411860	6530
B411861	37
B411862	47
B411863	26
B411864	26
B411887	< 5
B411888	< 5
B411889	26
B411890	< 5
B411897	< 5
B411898	< 5
B411899	9
B411900	1810
B411901	6
B411902	7
B411903	14

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
Oreas E1336 (Fire Assay) Meas	510
Oreas E1336 (Fire Assay) Cert	510
Oreas E1336 (Fire Assay) Meas	526
Oreas E1336 (Fire Assay) Cert	510
Oreas E1336 (Fire Assay) Meas	524
Oreas E1336 (Fire Assay) Cert	510
Oreas E1336 (Fire Assay) Meas	525
Oreas E1336 (Fire Assay) Cert	510
Oreas E1336 (Fire Assay) Meas	512
Oreas E1336 (Fire Assay) Cert	510
OREAS 216b Meas	6440
OREAS 216b Cert	6660
OREAS 216b Meas	6460
OREAS 216b Cert	6660
OREAS 216b Meas	6450
OREAS 216b Cert	6660
OREAS 216b Meas	6380
OREAS 216b Cert	6660
B411808 Orig	166
B411808 Dup	130
B411845 Orig	254
B411845 Dup	249
B411852 Orig	642
B411852 Split PREP DUP	557
B411861 Orig	38
B411861 Dup	36
B411889 Orig	12
B411889 Dup	40
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5



Report No.: A21-19760-Au
Report Date: 21-Oct-21
Date Submitted: 19-Oct-21
Your Reference: LINGMAN LAKE FALL 2021

SIGNATURE RESOURCES LTD
235 Eleventh Line
Collingwood ON L9Y5G6
Canada

ATTN: P.GEO. Walter Hanych

CERTIFICATE OF ANALYSIS

43 Core samples were submitted for analysis.

Table with 2 columns: Analytical package(s) requested and Testing Date. Row 1: 1A2B-30-Dryden, QOP AA-Au (Au - Fire Assay AA), 2021-10-21 11:25:11

REPORT A21-19760-Au

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Notes:

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



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CERTIFIED BY:

Handwritten signature of Emmanuel Esemé

Emmanuel Esemé, Ph.D.
Quality Control Coordinator

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
B411911	21
B411912	< 5
B411913	6
B411927	7
B411928	19
B411929	824
B411930	< 5
B411931	2940
B411932	1380
B411933	1010
B411934	267
B411935	84
B411936	55
B411937	31
B411958	20
B411959	10
B411960	5110
B411961	17
B411962	11
B411963	17
B411964	683
B411981	140
B411982	12
B411983	66
B411984	2470
B411985	940
B411986	23
B411987	88
B411988	190
B411989	333
B411990	< 5
B411991	96
B411992	78
B411993	60
B411994	86
B411995	96
B411996	142
B412103	3100
B412104	2080
B412105	893
B412106	141
B412107	24
B412108	12

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
OREAS 226 (Fire Assay) Meas	5290
OREAS 226 (Fire Assay) Cert	5450
OREAS 226 (Fire Assay) Meas	5250
OREAS 226 (Fire Assay) Cert	5450
Oreas E1336 (Fire Assay) Meas	498
Oreas E1336 (Fire Assay) Cert	510
Oreas E1336 (Fire Assay) Meas	494
Oreas E1336 (Fire Assay) Cert	510
B411928 Orig	19
B411928 Dup	18
B411963 Orig	15
B411963 Dup	18
B411964 Orig	683
B411964 Split PREP DUP	705
B411986 Orig	25
B411986 Dup	21
B412104 Orig	2060
B412104 Dup	2110
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5



Report No.: A21-19766-Au
Report Date: 16-Nov-21
Date Submitted: 19-Oct-21
Your Reference: LINGMAN LAKE FALL 2021

SIGNATURE RESOURCES LTD
366 Bay Street, suite 200
Toronto ON M5H 4B2
Canada

ATTN: Robert Vallis

CERTIFICATE OF ANALYSIS

62 Core samples were submitted for analysis.

Table with 3 columns: Analytical package(s) requested, Testing Date, and details. Rows include 1A2B-30-Dryden and 1A3-Dryden with their respective testing dates and methods.

REPORT A21-19766-Au

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Notes:

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

Values which exceed the upper limit should be assayed for accurate numbers.



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E-MAIL Dryden@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

CERTIFIED BY:

Handwritten signature of Emmanuel Esemé

Emmanuel Esemé, Ph.D.
Quality Control Coordinator



Report No.: A21-19766-Au  
Report Date: 16-Nov-21  
Date Submitted: 19-Oct-21  
Your Reference: LINGMAN LAKE FALL 2021

SIGNATURE RESOURCES LTD  
366 Bay Street, suite 200  
Toronto ON M5H 4B2  
Canada

ATTN: Robert Vallis

CERTIFICATE OF ANALYSIS

62 Core samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1E3-Tbay	QOP AquaGeo (Aqua Regia ICPOES)	

REPORT A21-19766-Au

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Notes:

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LabID: 673

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E-MAIL Tbay@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

CERTIFIED BY:

Emmanuel Esemé, Ph.D.  
Quality Control Coordinator

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
B411904	32	
B411905	20	
B411906	18	
B411907	11	
B411908	10	
B411909	21	
B411910	< 5	
B411914	< 5	
B411915	< 5	
B411916	< 5	
B411917	< 5	
B411918	17	
B411919	16	
B411920	8290	
B411921	15	
B411922	< 5	
B411923	13	
B411924	18	
B411925	12	
B411926	7	
B411938	21	
B411939	20	
B411940	1580	
B411941	31	
B411942	485	
B411943	801	
B411944	2890	
B411945	96	
B411946	222	
B411947	34	
B411948	60	
B411949	13	
B411950	< 5	
B411951	281	
B411952	17	
B411953	16	
B411954	23	
B411955	8	
B411956	22	
B411957	17	
B411965	25	
B411966	7	
B411967	273	
B411968	992	
B411969	79	
B411970	< 5	
B411971	60	
B411972	16	
B411973	11	
B411974	10	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
B411975	< 5	
B411976	10	
B411977	8	
B411978	327	
B411979	7	
B411980	> 10000	11.7
B411997	64	
B411998	82	
B411999	48	
B412000	6100	
B412101	34	
B412102	33	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
OREAS 229b (Fire Assay) Meas		12.1
OREAS 229b (Fire Assay) Cert		11.9
Oreas E1336 (Fire Assay) Meas	510	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	510	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	526	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	524	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	525	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	512	
Oreas E1336 (Fire Assay) Cert	510	
OREAS 216b Meas	6670	6.71
OREAS 216b Cert	6660	6.66
OREAS 216b Meas	6440	
OREAS 216b Cert	6660	
OREAS 216b Meas	6460	
OREAS 216b Cert	6660	
OREAS 216b Meas	6450	
OREAS 216b Cert	6660	
OREAS 216b Meas	6380	
OREAS 216b Cert	6660	
B411916 Orig	< 5	
B411916 Dup	< 5	
B411938 Orig	23	
B411938 Dup	19	
B411944 Orig	2690	
B411944 Dup	3100	
B411948 Orig	60	
B411948 Split PREP DUP	57	
B411968 Orig	986	
B411968 Dup	998	
B411979 Orig	8	





Report No.: A21-20146-Au
Report Date: 27-Oct-21
Date Submitted: 25-Oct-21
Your Reference: LINGMAN LAKE FALL 2021

SIGNATURE RESOURCES LTD
235 Eleventh Line
Collingwood ON L9Y5G6
Canada

ATTN: P.GEO. Walter Hanych

CERTIFICATE OF ANALYSIS

29 Core samples were submitted for analysis.

Table with 2 columns: Analytical package(s) requested and Testing Date. Row 1: 1A2B-30-Dryden, QOP AA-Au (Au - Fire Assay AA), 2021-10-27 11:57:12

REPORT A21-20146-Au

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Notes:

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



ACTIVATION LABORATORIES LTD.
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CERTIFIED BY:

Handwritten signature of Emmanuel Esemé

Emmanuel Esemé, Ph.D.
Quality Control Coordinator

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
B412109	13
B412110	< 5
B412111	19
B412112	16
B412113	20
B412114	16
B412115	20
B412116	31
B412117	14
B412118	714
B412119	2820
B412120	549
B412121	45
B412122	52
B412123	3230
B412124	2850
B412125	3880
B412126	31
B412152	7100
B412153	6840
B412154	16
B412155	8
B412156	9
B412157	8
B412158	13
B412178	3790
B412179	392
B412180	526
B412181	813

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
Oreas E1336 (Fire Assay) Meas	511
Oreas E1336 (Fire Assay) Cert	510
OREAS 216b Meas	6430
OREAS 216b Cert	6660
B412112 Orig	15
B412112 Dup	16
B412123 Orig	3230
B412123 Split PREP DUP	2870
B412154 Orig	16
B412154 Dup	16
Method Blank	< 5
Method Blank	< 5





Report No.: A21-20154-Au
Report Date: 16-Nov-21
Date Submitted: 25-Oct-21
Your Reference: LINGMAN LAKE FALL 2021

SIGNATURE RESOURCES LTD
366 Bay Street, suite 200
Toronto ON M5H 4B2
Canada

ATTN: Robert Vallis

CERTIFICATE OF ANALYSIS

46 Core samples were submitted for analysis.

Table with 2 columns: Analytical package(s) requested, Testing Date. Row 1: 1E3-Tbay, QOP AquaGeo (Aqua Regia ICPOES)

REPORT A21-20154-Au

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Notes:

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

Values which exceed the upper limit should be assayed for accurate numbers.



LabID: 673

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E-MAIL Tbay@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

CERTIFIED BY:

[Handwritten signature]

Emmanuel Eseme, Ph.D.
Quality Control Coordinator

Report No.: A21-20154-Au  
Report Date: 16-Nov-21  
Date Submitted: 25-Oct-21  
Your Reference: LINGMAN LAKE FALL 2021

SIGNATURE RESOURCES LTD  
366 Bay Street, suite 200  
Toronto ON M5H 4B2  
Canada

ATTN: Robert Vallis

CERTIFICATE OF ANALYSIS

46 Core samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A2B-30-Dryden	GOP AA-Au (Au - Fire Assay AA)	2021-11-13 17:51:04

REPORT A21-20154-Au

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Notes:

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

Values which exceed the upper limit should be assayed for accurate numbers.



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CERTIFIED BY:

Emmanuel Eseme, Ph.D.  
Quality Control Coordinator

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
B412127	85
B412128	24
B412129	1760
B412130	5
B412131	9810
B412132	19
B412133	23
B412134	< 5
B412135	65
B412136	115
B412137	6
B412138	591
B412139	1570
B412140	1790
B412141	18
B412142	712
B412143	15
B412144	3370
B412145	1930
B412146	10
B412147	57
B412148	47
B412149	13
B412150	< 5
B412151	96
B412159	13
B412160	6370
B412161	552
B412162	439
B412163	1430
B412164	12
B412165	7
B412166	25
B412167	35
B412168	15
B412169	17
B412170	< 5
B412171	10
B412172	< 5
B412173	11
B412174	24
B412175	10
B412176	15
B412177	28
B412182	343
B412183	7

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
Oreas E1336 (Fire Assay) Meas	510
Oreas E1336 (Fire Assay) Cert	510
Oreas E1336 (Fire Assay) Meas	510
Oreas E1336 (Fire Assay) Cert	510
Oreas E1336 (Fire Assay) Meas	526
Oreas E1336 (Fire Assay) Cert	510
Oreas E1336 (Fire Assay) Meas	524
Oreas E1336 (Fire Assay) Cert	510
Oreas E1336 (Fire Assay) Meas	525
Oreas E1336 (Fire Assay) Cert	510
Oreas E1336 (Fire Assay) Meas	512
Oreas E1336 (Fire Assay) Cert	510
OREAS 216b Meas	6670
OREAS 216b Cert	6660
OREAS 216b Meas	6440
OREAS 216b Cert	6660
OREAS 216b Meas	6460
OREAS 216b Cert	6660
OREAS 216b Meas	6450
OREAS 216b Cert	6660
OREAS 216b Meas	6380
OREAS 216b Cert	6660
B412143 Orig	15
B412143 Dup	14
B412149 Orig	13
B412149 Split PREP DUP	16
B412159 Orig	14
B412159 Dup	11
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5



Report No.: A21-21114-Au
Report Date: 12-Nov-21
Date Submitted: 09-Nov-21
Your Reference: LINGMAN LAKE FALL 2021

SIGNATURE RESOURCES LTD
235 Eleventh Line
Collingwood ON L9Y5G6
Canada

ATTN: P.GEO. Walter Hanych

CERTIFICATE OF ANALYSIS

87 Core samples were submitted for analysis.

Table with 3 columns: Analytical package(s) requested, Testing Date, and details. Rows include 1A2B-30-Dryden and 1A3-Dryden.

REPORT A21-21114-Au

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Notes:

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



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E-MAIL Dryden@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

CERTIFIED BY:

Handwritten signature of Emmanuel Esemé

Emmanuel Esemé, Ph.D.
Quality Control Coordinator

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
B412184	12	
B412185	9	
B412186	82	
B412187	1560	
B412188	167	
B412189	146	
B412190	< 5	
B412191	651	
B412192	2030	
B412193	176	
B412194	158	
B412195	326	
B412196	33	
B412197	20	
B412198	6	
B412199	54	
B412200	1700	
B412201	587	
B412202	160	
B412203	97	
B412204	112	
B412205	22	
B412206	75	
B412207	129	
B412208	212	
B412209	44	
B412210	< 5	
B412211	65	
B412212	35	
B412213	1270	
B412214	280	
B412215	546	
B412216	832	
B412217	2890	
B412218	8780	
B412219	484	
B412220	> 10000	12.2
B412221	15	
B412222	47	
B412223	155	
B412224	326	
B412225	1140	
B412226	39	
B412227	< 5	
B412228	5	
B412229	14	
B412230	< 5	
B412231	240	
B412232	745	
B412233	20	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
B412234	21	
B412235	30	
B412236	14	
B412237	20	
B412238	98	
B412239	123	
B412240	6370	
B412241	75	
B412242	96	
B412243	53	
B412244	31	
B412245	49	
B412246	24	
B412247	27	
B412248	16	
B412249	69	
B412250	6	
B412251	44	
B412252	211	
B412253	44	
B412254	62	
B412255	109	
B412256	58	
B412257	11	
B412258	54	
B412259	8	
B412260	510	
B412261	61	
B412262	47	
B412263	10	
B412264	336	
B412265	233	
B412266	1380	
B412267	8	
B412268	60	
B412269	40	
B412270	< 5	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
OREAS 229b (Fire Assay) Meas		12.0
OREAS 229b (Fire Assay) Cert		11.9
Oreas E1336 (Fire Assay) Meas	503	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	511	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	494	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	504	
Oreas E1336 (Fire Assay) Cert	510	
OREAS 216b Meas	6350	6.91
OREAS 216b Cert	6660	6.66
OREAS 216b Meas	6420	
OREAS 216b Cert	6660	
OREAS 216b Meas	6400	
OREAS 216b Cert	6660	
B412187 Orig	1510	
B412187 Dup	1610	
B412205 Orig	20	
B412205 Dup	24	
B412216 Orig	788	
B412216 Dup	876	
B412222 Orig	44	
B412222 Dup	49	
B412228 Orig	5	
B412228 Split PREP DUP	8	
B412239 Orig	136	
B412239 Dup	109	
B412256 Orig	44	
B412256 Dup	71	
Method Blank	< 5	
Method Blank	< 5	
Method Blank	5	
Method Blank	5	
Method Blank	< 5	
Method Blank		< 0.03





Report No.: A21-21852-Au
Report Date: 25-Nov-21
Date Submitted: 22-Nov-21
Your Reference: LINGMAN LAKE FALL 2021

SIGNATURE RESOURCES LTD
235 Eleventh Line
Collingwood ON L9Y5G6
Canada

ATTN: P.GEO. Walter Hanych

CERTIFICATE OF ANALYSIS

70 Core samples were submitted for analysis.

Table with 2 columns: Analytical package(s) requested and Testing Date. Row 1: 1A2B-30-Dryden, QOP AA-Au (Au - Fire Assay AA), 2021-11-25 12:16:52

REPORT A21-21852-Au

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Notes:

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



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CERTIFIED BY:

Handwritten signature of Emmanuel Esemé

Emmanuel Esemé, Ph.D.
Quality Control Coordinator

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
B412294	68
B412295	4160
B412296	4500
B412297	676
B412298	1830
B412299	17
B412300	540
B412301	102
B412302	137
B412303	10
B412304	1470
B412305	947
B412306	80
B412307	5
B412308	64
B412309	82
B412310	< 5
B412311	25
B412312	89
B412313	52
B412314	61
B412315	37
B412316	125
B412317	3990
B412318	376
B412319	10
B412320	1680
B412321	9
B412322	10
B412331	524
B412332	939
B412333	112
B412337	19
B412338	124
B412339	19
B412340	5400
B412341	78
B412345	111
B412346	1700
B412353	27
B412354	1280
B412355	2520
B412356	1570
B412357	448
B412358	53
B412359	21
B412360	1750
B412361	269
B412362	176
B412363	530
B412364	16

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
B412365	15
B412366	31
B412367	283
B412368	225
B412369	127
B412370	< 5
B412371	55
B412372	247
B412373	1890
B412374	3220
B412375	21
B412376	18
B412377	12
B412378	55
B412379	25
B412380	1580
B412381	21
B412382	16
B412383	52

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
Oreas E1336 (Fire Assay) Meas	516
Oreas E1336 (Fire Assay) Cert	510
Oreas E1336 (Fire Assay) Meas	512
Oreas E1336 (Fire Assay) Cert	510
Oreas E1336 (Fire Assay) Meas	522
Oreas E1336 (Fire Assay) Cert	510
Oreas E1336 (Fire Assay) Meas	510
Oreas E1336 (Fire Assay) Cert	510
OREAS 216b Meas	6540
OREAS 216b Cert	6660
OREAS 216b Meas	6400
OREAS 216b Cert	6660
OREAS 216b Meas	6590
OREAS 216b Cert	6660
OREAS 216b Meas	6400
OREAS 216b Cert	6660
B412297 Orig	674
B412297 Dup	678
B412315 Orig	36
B412315 Dup	37
B412337 Orig	19
B412337 Dup	19
B412339 Orig	19
B412339 Split PREP DUP	15
B412345 Orig	106
B412345 Dup	115
B412369 Orig	125
B412369 Dup	129
B412380 Orig	1590
B412380 Dup	1580
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5



Report No.: A21-21854-Au
Report Date: 25-Nov-21
Date Submitted: 22-Nov-21
Your Reference: LINGMAN LAKE FALL 2021

SIGNATURE RESOURCES LTD
235 Eleventh Line
Collingwood ON L9Y5G6
Canada

ATTN: P.GEO. Walter Hanych

CERTIFICATE OF ANALYSIS

43 Core samples were submitted for analysis.

Table with 2 columns: Analytical package(s) requested and Testing Date. Row 1: 1A2B-30-Dryden, QOP AA-Au (Au - Fire Assay AA), 2021-11-25 12:16:52

REPORT A21-21854-Au

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Notes:

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



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CERTIFIED BY:

Handwritten signature of Emmanuel Esemé

Emmanuel Esemé, Ph.D.
Quality Control Coordinator

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
B412271	8
B412272	19
B412273	10
B412274	9
B412275	27
B412276	20
B412277	53
B412278	19
B412279	79
B412280	6570
B412281	154
B412282	9
B412283	8
B412284	8
B412285	20
B412286	65
B412287	17
B412288	29
B412289	169
B412290	< 5
B412291	29
B412292	52
B412293	< 5
B412323	7
B412324	6
B412325	14
B412326	< 5
B412327	15
B412328	21
B412329	510
B412330	< 5
B412334	24
B412335	30
B412336	24
B412342	52
B412343	126
B412344	38
B412347	24
B412348	17
B412349	11
B412350	< 5
B412351	17
B412352	1750

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
Oreas E1336 (Fire Assay) Meas	516
Oreas E1336 (Fire Assay) Cert	510
Oreas E1336 (Fire Assay) Meas	512
Oreas E1336 (Fire Assay) Cert	510
Oreas E1336 (Fire Assay) Meas	522
Oreas E1336 (Fire Assay) Cert	510
Oreas E1336 (Fire Assay) Meas	510
Oreas E1336 (Fire Assay) Cert	510
OREAS 216b Meas	6540
OREAS 216b Cert	6660
OREAS 216b Meas	6400
OREAS 216b Cert	6660
OREAS 216b Meas	6590
OREAS 216b Cert	6660
OREAS 216b Meas	6400
OREAS 216b Cert	6660
B412273 Orig	10
B412273 Dup	10
B412291 Orig	28
B412291 Dup	29
B412292 Orig	52
B412292 Split PREP DUP	53
B412330 Orig	< 5
B412330 Dup	< 5
B412344 Orig	38
B412344 Dup	38
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5



Report No.: A21-22205-Au  
 Report Date: 06-Dec-21  
 Date Submitted: 26-Nov-21  
 Your Reference: LINGMAN LAKE FALL 2021

SIGNATURE RESOURCES LTD  
 235 Eleventh Line  
 Collingwood ON L9Y5G6  
 Canada

ATTN: P.GEO. Walter Hanych

## CERTIFICATE OF ANALYSIS

132 Core samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A2B-30-Dryden	QOP AA-Au (Au - Fire Assay AA)	2021-12-02 13:49:42
1A3-Dryden	QOP AA-Au (Au - Fire Assay Gravimetric)	2021-12-03 19:52:44

REPORT      **A21-22205-Au**

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Notes:

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



CERTIFIED BY:

Emmanuel Esemé , Ph.D.  
 Quality Control Coordinator

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Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
B412469	8	
B412470	5	
B412471	< 5	
B412472	5	
B412473	10	
B412474	8	
B412475	13	
B412476	13	
B412477	< 5	
B412478	82	
B412384	26	
B412385	< 5	
B412386	< 5	
B412387	56	
B412388	21	
B412389	< 5	
B412390	< 5	
B412391	16	
B412392	165	
B412393	46	
B412394	14	
B412395	5950	
B412396	5260	
B412397	126	
B412398	242	
B412399	246	
B412400	8160	
B412401	139	
B412402	67	
B412403	3930	
B412404	1030	
B412405	67	
B412406	< 5	
B412407	6	
B412408	5	
B412409	10	
B412410	< 5	
B412411	1440	
B412412	1320	
B412413	952	
B412414	55	
B412415	22	
B412416	21	
B412417	3540	
B412418	2020	
B412419	70	
B412420	6440	
B412421	31	
B412422	1380	
B412423	196	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
B412424	65	
B412425	1250	
B412426	1970	
B412427	2580	
B412428	902	
B412429	19	
B412430	< 5	
B412431	2290	
B412432	11	
B412433	6	
B412434	6	
B412435	53	
B412436	1510	
B412437	30	
B412438	36	
B412439	9	
B412440	509	
B412441	8	
B412442	90	
B412443	19	
B412444	44	
B412445	8	
B412446	8	
B412447	367	
B412448	16	
B412449	13	
B412450	< 5	
B412479	31	
B412480	5330	
B412481	92	
B412482	7	
B412483	6	
B412484	6	
B412485	16	
B412486	9	
B412487	6	
B412488	5	
B412489	< 5	
B412490	< 5	
B412491	9	
B412492	< 5	
B412493	< 5	
B412494	5	
B412495	7	
B412496	9	
B412497	< 5	
B412498	5	
B412499	14	
B412500	8420	
B412551	20	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
B412552	7	
B412553	6	
B412554	< 5	
B412555	12	
B412556	11	
B412557	13	
B412558	1010	
B412559	6	
B412560	1700	
B412561	450	
B412562	> 10000	18.5
B412563	753	
B412564	675	
B412565	429	
B412566	170	
B412567	351	
B412568	135	
B412569	320	
B412570	8	
B412571	420	
B412572	12	
B412573	14	
B412574	26	
B412575	62	
B412576	137	
B412577	8	
B412578	94	
B412579	11	
B412580	8450	
B412581	12	
B412582	11	
B412583	15	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
OREAS 229b (Fire Assay) Meas		12.2
OREAS 229b (Fire Assay) Cert		11.9
Oreas E1336 (Fire Assay) Meas	520	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	494	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	492	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	515	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	513	
Oreas E1336 (Fire Assay) Cert	510	
OREAS 216b Meas	6610	6.89
OREAS 216b Cert	6660	6.66
OREAS 216b Meas	6430	
OREAS 216b Cert	6660	
OREAS 216b Meas	6510	
OREAS 216b Cert	6660	
OREAS 216b Meas	6450	
OREAS 216b Cert	6660	
OREAS 216b Meas	6470	
OREAS 216b Cert	6660	
B412384 Orig	24	
B412384 Dup	28	
B412393 Orig	43	
B412393 Dup	48	
B412402 Orig	76	
B412402 Dup	58	
B412419 Orig	71	
B412419 Dup	68	
B412423 Orig	196	
B412423 Split PREP DUP	189	
B412427 Orig	2530	
B412427 Dup	2630	
B412436 Orig	1450	
B412436 Dup	1570	
B412481 Orig	101	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
B412481 Dup	82	
B412489 Orig	< 5	
B412489 Dup	< 5	
B412499 Orig	13	
B412499 Dup	14	
B412551 Orig	20	
B412551 Split PREP DUP	20	
B412565 Orig	382	
B412565 Dup	475	
B412574 Orig	24	
B412574 Dup	28	
Method Blank	< 5	
Method Blank	< 5	
Method Blank	< 5	
Method Blank	< 5	
Method Blank	< 5	
Method Blank	< 5	
Method Blank	< 5	
Method Blank	< 5	
Method Blank		< 0.03
Method Blank	7	



Report No.: A21-22548-Au
Report Date: 08-Dec-21
Date Submitted: 02-Dec-21
Your Reference: LINGMAN LAKE FALL 2021

SIGNATURE RESOURCES LTD
235 Eleventh Line
Collingwood ON L9Y5G6
Canada

ATTN: P.GEO. Walter Hanych

CERTIFICATE OF ANALYSIS

125 Core samples were submitted for analysis.

Table with 3 columns: Analytical package(s) requested, Testing Date, and details. Rows include 1A2B-30-Dryden and 1A3-Dryden.

REPORT A21-22548-Au

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Notes:

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



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CERTIFIED BY:

Handwritten signature of Emmanuel Esemé

Emmanuel Esemé, Ph.D.
Quality Control Coordinator

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
B412584	9	
B412585	12	
B412586	24	
B412587	23	
B412588	27	
B412589	9	
B412590	< 5	
B412591	102	
B412592	544	
B412593	73	
B412594	24	
B412595	16	
B412596	33	
B412597	11	
B412598	25	
B412599	36	
B412600	1570	
B412601	< 5	
B412602	7	
B412603	40	
B412604	7	
B412605	10	
B412606	8	
B412607	11	
B412608	14	
B412609	15	
B412610	< 5	
B412611	34	
B412612	78	
B412613	186	
B412614	271	
B412615	2670	
B412616	548	
B412617	25	
B412618	26	
B412619	95	
B412620	> 10000	12.2
B412621	34	
B412622	29	
B412623	15	
B412624	79	
B412625	45	
B412626	13	
B412627	14	
B412628	31	
B412629	27	
B412630	< 5	
B412631	19	
B412632	6	
B412633	5	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
B412634	20	
B412635	23	
B412636	57	
B412637	46	
B412638	116	
B412639	12	
B412640	6630	
B412641	20	
B412642	8	
B412643	11	
B412644	8	
B412645	9	
B412646	7	
B412647	7	
B412648	9	
B412649	30	
B412650	5	
B412651	3960	
B412652	3120	
B412653	363	
B412654	234	
B412655	101	
B412656	126	
B412657	117	
B412658	30	
B412659	17	
B412660	539	
B412661	173	
B412662	10	
B412663	10	
B412664	15	
B412665	45	
B412666	11	
B412667	13	
B412668	113	
B412669	14	
B412670	8	
B412671	130	
B412672	13	
B412673	13	
B412674	580	
B412675	1990	
B412676	1080	
B412677	24	
B412678	47	
B412679	184	
B412680	8570	
B412681	16	
B412682	10	
B412683	< 5	



Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
B412684	11	
B412685	225	
B412686	484	
B412687	485	
B412688	262	
B412689	60	
B412690	< 5	
B412691	157	
B412692	564	
B412693	314	
B412694	46	
B412695	140	
B412696	258	
B412697	1840	
B412698	474	
B412699	786	
B412700	6720	
B412701	3340	
B412702	786	
B412703	34	
B412704	30	
B412705	21	
B412706	19	
B412707	6	
B412708	7	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
OREAS 229b (Fire Assay) Meas		12.2
OREAS 229b (Fire Assay) Cert		11.9
Oreas E1336 (Fire Assay) Meas	524	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	515	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	522	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	507	
Oreas E1336 (Fire Assay) Cert	510	
OREAS 216b Meas	6770	6.64
OREAS 216b Cert	6660	6.66
OREAS 216b Meas	6840	
OREAS 216b Cert	6660	
OREAS 216b Meas	6900	
OREAS 216b Cert	6660	
OREAS 216b Meas	6790	
OREAS 216b Cert	6660	
B412594 Orig	23	
B412594 Dup	24	
B412603 Orig	41	
B412603 Dup	38	
B412612 Orig	79	
B412612 Dup	77	
B412629 Orig	26	
B412629 Dup	28	
B412633 Orig	5	
B412633 Split PULP DUP	< 5	
B412637 Orig	46	
B412637 Dup	46	
B412646 Orig	6	
B412646 Dup	8	
B412663 Orig	9	
B412663 Dup	10	
B412672 Orig	13	
B412672 Dup	12	
B412681 Orig	17	
B412681 Dup	15	
B412683 Orig	< 5	





Report No.: A21-22702-Au  
 Report Date: 13-Dec-21  
 Date Submitted: 07-Dec-21  
 Your Reference: LINGMAN LAKE FALL 2021

SIGNATURE RESOURCES LTD  
 235 Eleventh Line  
 Collingwood ON L9Y5G6  
 Canada

ATTN: P.GEO. Walter Hanych

## CERTIFICATE OF ANALYSIS

156 Core samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A2B-30-Dryden	QOP AA-Au (Au - Fire Assay AA)	2021-12-09 17:32:28
1A3-50-Dryden	QOP AA-Au (Au - Fire Assay Gravimetric)	2021-12-10 18:20:20

REPORT      **A21-22702-Au**

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Notes:

50 g of sample

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



CERTIFIED BY:

Emmanuel Esemé , Ph.D.  
 Quality Control Coordinator

**ACTIVATION LABORATORIES LTD.**  
 264 Government Road, Dryden, Ontario, Canada, P8N 2R3  
 TELEPHONE +807 223-6168 or +1.888.228.5227 FAX +1.905.648.9613  
 E-MAIL Dryden@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.02
Method Code	FA-AA	FA- GRA
B412709	48	
B412710	17	
B412711	136	
B412712	53	
B412713	60	
B412714	49	
B412715	76	
B412716	144	
B412717	59	
B412718	17	
B412719	19	
B412720	551	
B412721	7	
B412722	19	
B412723	41	
B412724	98	
B412725	123	
B412726	35	
B412727	34	
B412728	146	
B412729	170	
B412730	< 5	
B412731	474	
B412732	768	
B412733	5	
B412734	8120	
B412735	198	
B412736	188	
B412737	> 10000	11.9
B412738	8070	
B412739	287	
B412740	8350	
B412741	75	
B412742	29	
B412743	54	
B412744	90	
B412745	91	
B412746	222	
B412747	55	
B412748	7	
B412749	13	
B412750	< 5	
B412751	26	
B412752	36	
B412753	106	
B412754	34	
B412755	305	
B412756	286	
B412757	418	
B412758	354	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.02
Method Code	FA-AA	FA- GRA
B412759	17	
B412760	1530	
B412761	184	
B412762	22	
B412763	30	
B412764	10	
B412765	20	
B412766	32	
B412767	10	
B412768	9	
B412769	31	
B412770	< 5	
B412771	17	
B412772	24	
B412773	594	
B412774	12	
B412775	11	
B412776	73	
B412777	11	
B412778	127	
B412779	9	
B412780	6550	
B412781	14	
B412782	< 5	
B412783	758	
B412784	2310	
B412785	2740	
B412786	299	
B412787	23	
B412788	6	
B412789	136	
B412790	< 5	
B412791	60	
B412792	< 5	
B412793	12	
B412794	179	
B412795	11	
B412796	19	
B412797	11	
B412798	172	
B412799	66	
B412800	550	
B412801	9	
B412802	6	
B412803	< 5	
B412804	83	
B412805	293	
B412806	17	
B412807	16	
B412808	31	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.02
Method Code	FA-AA	FA- GRA
B412809	9	
B412810	< 5	
B412811	< 5	
B412812	< 5	
B412813	< 5	
B412814	8	
B412815	< 5	
B412816	< 5	
B412817	< 5	
B412818	< 5	
B412819	< 5	
B412820	8780	
B412821	44	
B412822	195	
B412823	755	
B412824	294	
B412825	192	
B412826	75	
B412827	98	
B412828	39	
B412829	10	
B412830	< 5	
B412831	18	
B412832	277	
B412865	130	
B412866	82	
B412867	1230	
B412868	7	
B412869	10	
B412870	< 5	
B412871	798	
B412872	19	
B412873	17	
B412874	77	
B412875	74	
B412876	19	
B412877	5	
B412878	6	
B412879	20	
B412880	554	
B412881	< 5	
B412882	239	
B412883	322	
B412884	48	
B412885	322	
B412886	357	
B412887	164	
B412888	213	
B412889	46	
B412890	< 5	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.02
Method Code	FA-AA	FA- GRA
B412891	9	
B412892	< 5	
B412893	370	
B412894	14	
B412895	6	
B412896	6	



Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.02
Method Code	FA-AA	FA- GRA
OREAS 229b (Fire Assay) Meas		12.2
OREAS 229b (Fire Assay) Cert		11.9
Oreas E1336 (Fire Assay) Meas	522	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	527	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	529	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	526	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	499	
Oreas E1336 (Fire Assay) Cert	510	
OREAS 216b Meas	6470	6.74
OREAS 216b Cert	6660	6.66
OREAS 216b Meas	6530	
OREAS 216b Cert	6660	
OREAS 216b Meas	6580	
OREAS 216b Cert	6660	
OREAS 216b Meas	6610	
OREAS 216b Cert	6660	
OREAS 216b Meas	6380	
OREAS 216b Cert	6660	
OREAS 216b Meas	6480	
OREAS 216b Cert	6660	
B412714 Orig	45	
B412714 Dup	52	
B412730 Orig	< 5	
B412730 Dup	< 5	
B412741 Orig	76	
B412741 Dup	73	
B412747 Orig	54	
B412747 Dup	56	
B412758 Orig	354	
B412758 Split PREP DUP	405	
B412764 Orig	9	
B412764 Dup	10	





Report No.: A21-22704-Au  
 Report Date: 14-Dec-21  
 Date Submitted: 07-Dec-21  
 Your Reference: LINGMAN LAKE FALL 2021

SIGNATURE RESOURCES LTD  
 235 Eleventh Line  
 Collingwood ON L9Y5G6  
 Canada

ATTN: P.GEO. Walter Hanych

## CERTIFICATE OF ANALYSIS

36 Core samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A2B-30-Dryden	QOP AA-Au (Au - Fire Assay AA)	2021-12-10 02:29:09
1A3-Dryden	QOP AA-Au (Au - Fire Assay Gravimetric)	2021-12-11 14:56:25

REPORT **A21-22704-Au**

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Notes:

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



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 E-MAIL Dryden@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

CERTIFIED BY:

Emmanuel Esemé, Ph.D.  
 Quality Control Coordinator

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
B412833	37	
B412834	10	
B412835	7	
B412836	7	
B412837	37	
B412838	32	
B412839	18	
B412840	1600	
B412841	1710	
B412842	659	
B412843	191	
B412844	45	
B412845	16	
B412846	34	
B412847	130	
B412848	> 10000	10.1
B412849	6380	
B412850	6	
B412851	5	
B412852	< 5	
B412853	9	
B412854	7	
B412855	204	
B412856	261	
B412857	159	
B412858	17	
B412859	> 10000	10.5
B412860	6660	
B412861	3780	
B412862	18	
B412863	596	
B412864	11	
B412897	36	
B412898	12	
B412899	23	
B412900	8580	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
OREAS 229b (Fire Assay) Meas		11.8
OREAS 229b (Fire Assay) Cert		11.9
OREAS 229b (Fire Assay) Meas		11.9
OREAS 229b (Fire Assay) Cert		11.9
Oreas E1336 (Fire Assay) Meas	526	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	522	
Oreas E1336 (Fire Assay) Cert	510	
OREAS 216b Meas	6650	6.59
OREAS 216b Cert	6660	6.66
OREAS 216b Meas	6630	6.55
OREAS 216b Cert	6660	6.66
B412837 Orig	39	
B412837 Dup	35	
B412851 Orig	5	
B412851 Split PREP DUP	6	
B412852 Orig	< 5	
B412852 Dup	< 5	
B412861 Orig	3910	
B412861 Dup	3640	
Method Blank	< 5	
Method Blank	< 5	
Method Blank	< 5	
Method Blank		< 0.03
Method Blank		< 0.03

## **18.0 APPENDIX-4. ANALYTICAL CERTIFICATES MULTI-ELEMENT**



Report No.: A21-05893-1E3
Report Date: 17-May-21
Date Submitted: 07-Apr-21
Your Reference: LINGMAN LAKE WINTER 2021

SIGNATURE RESOURCES LTD
366 Bay Street, suite 200
Toronto ON M5H 4B2
Canada

ATTN: Robert Vallis

CERTIFICATE OF ANALYSIS

261 Core samples were submitted for analysis.

Table with 2 columns: The following analytical package(s) were requested, Testing Date. Row 1: 1E3-Tbay, QOP AquaGeo (Aqua Regia ICPOES), 2021-05-07 21:32:08

REPORT A21-05893-1E3

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Notes:

Values which exceed the upper limit should be assayed for accurate numbers.

Samples B410140, B410150, B410160, 410170, B410180,B410190,B410200,B410210,B410220, B410230, B410240, B410250, B410260 are all insufficient for 1E3.



LABID: 673

ACTIVATION LABORATORIES LTD.
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CERTIFIED BY:

Handwritten signature of Emmanuel Esemé

Emmanuel Esemé , Ph.D.
Quality Control Coordinator

## Results

## Activation Laboratories Ltd.

## Report: A21-05893

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2		0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B410001	0.4	< 0.5	8	432	< 1	35	< 2	56	1.70	4	< 10	272	< 0.5	< 2	2.16	11	45	2.53	< 10	< 1	0.90	21	1.17
B410002	0.4	< 0.5	9	399	< 1	35	< 2	57	1.72	6	< 10	263	< 0.5	< 2	1.75	11	44	2.44	< 10	< 1	1.13	21	1.13
B410003	< 0.2	< 0.5	5	423	< 1	36	< 2	60	1.81	6	< 10	300	< 0.5	< 2	1.72	13	46	2.55	< 10	< 1	1.18	22	1.20
B410004	< 0.2	< 0.5	3	411	< 1	36	< 2	58	1.77	7	< 10	312	< 0.5	< 2	1.55	12	48	2.58	< 10	< 1	1.05	23	1.20
B410005	< 0.2	< 0.5	4	431	< 1	36	< 2	58	1.83	4	< 10	263	< 0.5	< 2	1.59	11	47	2.51	< 10	< 1	1.18	21	1.18
B410006	< 0.2	< 0.5	6	438	< 1	35	< 2	57	1.73	4	< 10	155	< 0.5	< 2	1.89	11	43	2.40	< 10	< 1	1.07	22	1.13
B410007	0.6	< 0.5	7	426	< 1	36	< 2	58	1.78	3	< 10	233	< 0.5	< 2	1.63	11	45	2.51	< 10	< 1	1.11	21	1.19
B410008	< 0.2	< 0.5	14	425	< 1	36	< 2	59	1.76	5	< 10	404	< 0.5	< 2	1.65	11	47	2.55	< 10	< 1	1.18	20	1.17
B410009	0.2	< 0.5	40	472	< 1	45	< 2	59	2.35	10	< 10	265	< 0.5	< 2	1.76	17	85	3.05	< 10	< 1	0.83	16	1.46
B410010	< 0.2	< 0.5	2	61	< 1	< 1	< 2	4	0.09	< 2	< 10	18	< 0.5	< 2	0.02	< 1	8	0.57	< 10	< 1	0.01	< 10	0.01
B410011	0.7	< 0.5	134	741	69	25	< 2	64	3.60	13	< 10	49	< 0.5	< 2	2.84	36	11	5.89	< 10	< 1	0.38	< 10	1.92
B410012	0.8	< 0.5	388	718	17	33	< 2	54	4.08	20	< 10	19	< 0.5	< 2	3.18	54	11	6.60	10	2	0.12	< 10	1.83
B410013	0.3	< 0.5	90	731	3	27	< 2	57	4.53	11	< 10	57	< 0.5	< 2	3.55	35	11	5.69	10	1	0.25	< 10	1.83
B410014	0.6	< 0.5	113	661	3	29	2	61	4.16	301	17	65	< 0.5	< 2	2.42	47	13	6.47	10	1	0.55	< 10	2.27
B410015	0.9	< 0.5	150	632	12	24	5	32	2.51	1800	22	30	< 0.5	< 2	2.54	37	9	5.08	< 10	< 1	0.54	< 10	1.60
B410016	0.7	< 0.5	118	714	4	21	5	31	2.57	2560	24	45	< 0.5	< 2	3.45	36	8	4.71	< 10	< 1	0.60	< 10	1.73
B410017	0.3	< 0.5	103	823	3	29	< 2	51	3.73	40	13	46	< 0.5	< 2	3.20	35	12	6.18	10	2	0.44	< 10	1.93
B410018	< 0.2	< 0.5	97	713	20	35	< 2	42	3.05	20	< 10	26	< 0.5	< 2	3.62	35	22	5.32	< 10	< 1	0.21	< 10	1.80
B410019	< 0.2	< 0.5	90	640	69	34	< 2	38	2.53	11	< 10	34	< 0.5	< 2	3.26	26	40	3.99	< 10	< 1	0.15	< 10	1.75
B410020	1.4	< 0.5	128	621	3	160	28	72	3.22	58	19	62	< 0.5	< 2	3.20	30	423	4.37	< 10	< 1	0.20	< 10	3.17
B410021	< 0.2	< 0.5	133	673	71	33	< 2	47	2.45	6	< 10	48	< 0.5	< 2	2.63	28	34	4.50	< 10	< 1	0.22	< 10	1.82
B410022	< 0.2	< 0.5	126	665	133	29	< 2	42	2.17	3	< 10	55	< 0.5	< 2	2.32	29	24	4.43	< 10	< 1	0.28	< 10	1.71
B410023	< 0.2	< 0.5	135	699	24	28	< 2	45	2.23	< 2	< 10	58	< 0.5	< 2	2.54	30	23	4.70	< 10	< 1	0.24	< 10	1.76
B410024	< 0.2	< 0.5	38	477	1	171	< 2	55	2.47	< 2	< 10	220	< 0.5	< 2	3.20	29	324	3.41	< 10	< 1	0.93	65	2.62
B410025	0.4	1.0	135	848	< 1	47	4	156	2.21	< 2	< 10	59	< 0.5	< 2	8.21	24	60	4.42	< 10	< 1	0.39	< 10	4.00
B410026	0.2	< 0.5	96	578	< 1	59	< 2	48	3.38	6	< 10	60	< 0.5	< 2	2.68	35	83	4.98	< 10	< 1	0.42	< 10	1.83
B410027	0.3	< 0.5	98	543	< 1	56	< 2	54	3.76	6	< 10	55	< 0.5	< 2	2.75	31	84	4.87	< 10	1	0.43	< 10	1.90
B410028	0.3	< 0.5	102	548	< 1	51	< 2	81	3.35	8	< 10	21	< 0.5	< 2	2.52	31	81	4.83	< 10	< 1	0.13	< 10	1.96
B410029	0.4	< 0.5	114	537	< 1	48	< 2	47	3.44	11	< 10	16	< 0.5	< 2	2.80	31	73	4.50	< 10	< 1	0.10	< 10	1.75
B410030	< 0.2	< 0.5	1	75	< 1	< 1	< 2	2	0.10	< 2	< 10	15	< 0.5	< 2	0.07	< 1	7	0.56	< 10	< 1	0.01	< 10	0.01
B410031	0.5	< 0.5	209	540	< 1	71	< 2	57	3.82	7	< 10	37	< 0.5	< 2	2.68	37	95	5.08	< 10	3	0.23	< 10	1.94
B410032	0.2	< 0.5	81	550	< 1	53	< 2	45	3.45	12	< 10	16	< 0.5	< 2	2.79	32	74	4.74	< 10	< 1	0.11	< 10	1.82
B410033	< 0.2	< 0.5	35	561	3	50	< 2	42	2.62	11	< 10	13	< 0.5	< 2	2.30	30	73	4.40	< 10	< 1	0.10	< 10	1.79
B410034	< 0.2	< 0.5	36	549	3	43	< 2	41	2.68	12	< 10	13	< 0.5	< 2	2.43	25	67	3.97	< 10	< 1	0.10	< 10	1.71
B410035	< 0.2	< 0.5	73	574	9	65	< 2	48	3.89	16	< 10	28	< 0.5	< 2	3.14	35	83	4.52	< 10	< 1	0.20	< 10	1.78
B410036	< 0.2	< 0.5	62	508	6	62	< 2	47	3.72	17	< 10	37	< 0.5	< 2	2.73	34	80	4.26	< 10	< 1	0.25	< 10	1.75
B410037	< 0.2	< 0.5	104	599	11	70	< 2	75	3.82	7	< 10	87	< 0.5	< 2	2.32	38	90	5.19	< 10	1	0.88	< 10	2.08
B410038	0.4	< 0.5	110	870	6	72	< 2	91	4.62	14	< 10	81	< 0.5	< 2	2.59	29	102	7.87	10	< 1	0.92	< 10	3.07
B410039	0.3	< 0.5	92	602	3	63	< 2	52	4.00	8	< 10	55	< 0.5	< 2	3.13	35	86	4.85	< 10	< 1	0.38	< 10	1.77
B410040	0.3	< 0.5	78	1340	< 1	112	< 2	80	1.91	1080	< 10	61	< 0.5	< 2	1.95	30	47	6.05	< 10	< 1	0.08	13	2.33
B410041	0.3	< 0.5	195	586	< 1	71	< 2	49	3.55	26	< 10	81	< 0.5	< 2	3.09	40	82	4.78	< 10	2	0.56	< 10	1.82
B410042	< 0.2	< 0.5	98	621	17	61	< 2	52	3.22	6	< 10	53	< 0.5	< 2	2.72	35	83	4.68	< 10	< 1	0.38	< 10	1.75
B410043	< 0.2	0.5	71	581	< 1	59	< 2	54	3.65	10	< 10	37	< 0.5	< 2	2.87	34	82	4.58	< 10	< 1	0.31	< 10	1.77
B410044	< 0.2	< 0.5	91	513	< 1	56	< 2	43	3.93	7	< 10	42	< 0.5	< 2	3.53	30	70	4.09	< 10	< 1	0.36	< 10	1.61
B410045	0.3	< 0.5	88	528	26	60	< 2	46	4.57	< 2	< 10	50	< 0.5	< 2	3.40	31	80	4.57	< 10	2	0.44	< 10	1.76
B410046	0.4	< 0.5	125	562	< 1	65	< 2	44	4.48	2	< 10	47	< 0.5	< 2	3.30	33	78	4.82	< 10	2	0.42	< 10	1.75
B410047	0.5	< 0.5	69	951	< 1	52	< 2	41	3.01	4	< 10	65	< 0.5	< 2	7.60	24	70	5.28	< 10	< 1	0.79	< 10	4.99
B410048	1.4	< 0.5	118	832	< 1	79	3	69	3.49	10	< 10	68	< 0.5	2	3.78	36	104	6.30	< 10	< 1	1.32	< 10	2.49
B410049	0.8	< 0.5	111	1240	< 1	66	< 2	51	3.62	19	< 10	65	< 0.5	3	7.63	39	87	6.84	< 10	< 1	1.70	< 10	4.26
B410050	< 0.2	< 0.5	1	82	< 1	1	< 2	4	0.10	< 2	< 10	18	< 0.5	< 2	0.03	< 1	8	0.65	< 10	< 1	0.02	< 10	0.02
B410051	0.4	< 0.5	97	1030	< 1	72	< 2	48	4.48	< 2	< 10	75	< 0.5	4	4.82	35	105	7.19	< 10	< 1	1.24	< 10	2.85



Results

Activation Laboratories Ltd.

Report: A21-05893

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2		0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B410052	0.6	< 0.5	167	1360	2	79	< 2	41	4.50	< 2	< 10	65	0.5	3	5.81	40	99	6.98	10	< 1	1.65	< 10	2.85
B410053	0.5	< 0.5	141	915	2	67	< 2	39	3.76	4	< 10	56	< 0.5	< 2	5.14	42	95	6.32	10	1	1.61	< 10	3.15
B410054	1.1	< 0.5	155	685	< 1	86	< 2	35	2.83	12	10	147	< 0.5	< 2	5.72	33	168	5.29	< 10	< 1	0.91	23	2.90
B410055	0.3	< 0.5	86	595	2	57	< 2	46	2.44	< 2	< 10	80	< 0.5	< 2	2.43	30	89	4.91	< 10	< 1	0.44	< 10	1.81
B410056	0.4	< 0.5	115	619	< 1	64	< 2	50	2.79	< 2	< 10	106	< 0.5	< 2	2.49	34	95	5.35	< 10	< 1	0.55	< 10	1.88
B410057	0.6	< 0.5	115	827	5	70	< 2	59	2.70	< 2	< 10	71	< 0.5	< 2	4.34	34	97	5.83	< 10	1	0.59	< 10	2.20
B410058	0.6	< 0.5	114	669	< 1	85	< 2	61	2.79	2	< 10	99	< 0.5	< 2	3.00	40	111	6.21	< 10	2	0.98	< 10	2.16
B410059	0.4	< 0.5	95	771	4	78	< 2	84	3.12	< 2	< 10	141	< 0.5	< 2	3.71	37	102	6.21	< 10	< 1	0.71	< 10	2.18
B410060	< 0.2	< 0.5	49	567	< 1	120	9	98	2.22	12	< 10	97	0.7	< 2	1.23	34	59	5.00	< 10	< 1	0.13	16	1.71
B410061	< 0.2	< 0.5	29	418	< 1	157	< 2	47	1.68	36	10	356	< 0.5	< 2	2.81	24	308	2.55	< 10	< 1	0.30	78	2.14
B410062	0.6	< 0.5	139	542	< 1	105	< 2	52	2.05	17	< 10	129	< 0.5	< 2	2.23	36	129	4.31	< 10	< 1	0.19	25	1.95
B410063	0.5	< 0.5	95	584	8	96	< 2	51	2.06	12	< 10	67	< 0.5	< 2	2.34	34	123	4.41	< 10	< 1	0.13	22	1.91
B410064	0.5	< 0.5	81	528	1	127	2	58	2.04	12	< 10	125	< 0.5	< 2	2.49	35	282	3.95	< 10	< 1	0.18	40	2.21
B410065	< 0.2	< 0.5	6	520	< 1	226	< 2	55	2.64	6	17	81	< 0.5	< 2	2.11	28	710	3.80	< 10	< 1	0.20	48	3.55
B410066	< 0.2	< 0.5	66	570	< 1	95	< 2	51	2.06	6	10	39	< 0.5	< 2	2.49	24	309	3.62	< 10	< 1	0.09	38	2.23
B410067	< 0.2	< 0.5	108	628	< 1	22	< 2	39	1.96	3	< 10	26	< 0.5	< 2	2.02	27	14	5.19	< 10	< 1	0.13	11	1.71
B410068	< 0.2	< 0.5	78	855	< 1	46	< 2	41	2.41	3	27	18	< 0.5	< 2	1.67	28	20	5.36	< 10	< 1	0.10	33	2.64
B410069	< 0.2	< 0.5	91	763	10	23	< 2	54	2.20	10	< 10	15	< 0.5	< 2	2.18	31	13	5.19	< 10	< 1	0.08	< 10	1.81
B410070	< 0.2	< 0.5	4	56	< 1	< 1	< 2	5	0.07	< 2	< 10	13	< 0.5	< 2	< 0.01	< 1	5	0.48	< 10	< 1	0.01	< 10	< 0.01
B410071	< 0.2	< 0.5	91	826	10	33	< 2	59	2.56	10	19	17	< 0.5	< 2	2.04	33	13	6.22	< 10	2	0.07	< 10	2.21
B410072	0.3	< 0.5	151	803	2	37	< 2	61	3.37	39	18	19	< 0.5	< 2	1.82	43	13	6.98	10	< 1	0.08	< 10	2.80
B410073	1.0	< 0.5	185	807	6	35	2	56	3.56	36	15	21	< 0.5	< 2	2.13	44	14	7.54	10	< 1	0.10	< 10	2.70
B410074	3.2	< 0.5	184	510	4	31	10	34	2.80	4360	20	27	< 0.5	< 2	1.14	44	11	8.11	10	< 1	0.22	< 10	2.73
B410075	2.1	< 0.5	137	563	19	32	28	75	2.41	2740	< 10	29	< 0.5	< 2	1.08	41	18	6.49	< 10	< 1	0.25	< 10	2.08
B410076	2.3	3.1	35	387	767	36	29	376	1.18	112	12	25	< 0.5	< 2	1.62	21	46	2.32	< 10	< 1	0.09	< 10	1.18
B410077	< 0.2	< 0.5	5	167	658	11	< 2	12	0.52	3	< 10	10	< 0.5	< 2	0.63	5	24	1.08	< 10	< 1	0.04	< 10	0.41
B410078	< 0.2	< 0.5	5	169	731	12	< 2	12	0.58	4	< 10	< 10	< 0.5	< 2	0.71	7	24	1.12	< 10	< 1	0.03	< 10	0.45
B410079	< 0.2	< 0.5	4	114	9	3	< 2	7	0.23	< 2	< 10	< 10	< 0.5	< 2	0.40	2	6	0.83	< 10	< 1	0.02	< 10	0.21
B410080	1.5	< 0.5	130	618	3	158	27	71	3.19	57	18	60	< 0.5	< 2	3.16	31	424	4.38	< 10	< 1	0.20	< 10	3.15
B410081	< 0.2	< 0.5	9	154	36	6	< 2	12	0.44	< 2	< 10	15	< 0.5	< 2	0.61	5	9	1.16	< 10	< 1	0.06	< 10	0.35
B410082	< 0.2	< 0.5	39	378	25	15	< 2	22	1.02	< 2	< 10	23	< 0.5	< 2	1.73	13	12	2.67	< 10	< 1	0.14	< 10	0.91
B410083	< 0.2	< 0.5	88	545	14	19	< 2	31	1.52	< 2	< 10	17	< 0.5	< 2	2.70	19	11	4.29	< 10	< 1	0.11	< 10	1.25
B410084	< 0.2	< 0.5	131	487	18	19	< 2	30	1.32	< 2	< 10	14	< 0.5	< 2	1.97	22	12	5.00	< 10	< 1	0.10	< 10	1.18
B410085	< 0.2	< 0.5	45	596	6	23	< 2	39	1.62	2	< 10	25	< 0.5	< 2	2.36	23	16	4.67	< 10	< 1	0.22	< 10	1.57
B410086	0.2	< 0.5	195	945	< 1	79	11	69	2.47	7	< 10	124	< 0.5	< 2	5.54	37	108	5.12	< 10	< 1	0.67	< 10	1.90
B410087	0.3	< 0.5	170	752	< 1	96	< 2	79	2.93	34	< 10	88	< 0.5	< 2	3.24	41	214	5.85	< 10	1	0.36	< 10	2.23
B410088	< 0.2	< 0.5	195	793	5	72	< 2	73	2.85	29	< 10	40	< 0.5	< 2	3.49	37	168	6.04	< 10	1	0.18	< 10	2.29
B410089	0.2	< 0.5	224	720	20	69	< 2	68	2.60	32	< 10	78	< 0.5	< 2	3.29	38	153	5.44	< 10	2	0.30	< 10	2.03
B410090	< 0.2	< 0.5	5	59	< 1	1	< 2	6	0.08	< 2	< 10	18	< 0.5	< 2	0.02	< 1	5	0.52	< 10	< 1	0.01	< 10	0.01
B410091	0.2	< 0.5	162	726	1	80	< 2	90	3.30	41	< 10	94	< 0.5	< 2	2.73	45	168	6.23	< 10	1	0.36	< 10	2.91
B410092	< 0.2	< 0.5	173	767	2	78	< 2	93	3.39	50	< 10	80	< 0.5	< 2	3.03	43	166	6.31	< 10	< 1	0.34	< 10	2.92
B410093	< 0.2	< 0.5	170	784	< 1	72	< 2	83	2.85	33	< 10	55	< 0.5	< 2	3.53	38	159	6.12	< 10	2	0.19	< 10	2.38
B410094	0.3	< 0.5	204	773	< 1	83	< 2	88	3.15	38	< 10	40	< 0.5	< 2	3.04	38	211	6.14	< 10	< 1	0.16	< 10	2.54
B410095	0.5	0.8	330	793	1	199	3	180	4.83	95	< 10	18	< 0.5	< 2	0.41	58	468	10.4	10	< 1	0.05	< 10	3.46
B410096	0.4	< 0.5	248	814	< 1	193	7	148	4.79	114	< 10	19	< 0.5	< 2	0.82	71	458	9.87	10	< 1	0.06	< 10	3.49
B410097	0.4	< 0.5	141	914	2	134	6	93	3.12	75	< 10	12	< 0.5	< 2	4.52	44	306	7.27	< 10	2	0.03	14	3.46
B410098	0.3	< 0.5	164	751	< 1	121	< 2	85	2.92	58	< 10	37	< 0.5	< 2	2.74	48	285	5.87	< 10	< 1	0.15	< 10	2.47
B410099	0.3	< 0.5	191	966	< 1	89	3	71	2.55	12	< 10	57	< 0.5	< 2	5.16	34	177	5.79	< 10	< 1	0.40	< 10	2.20
B410100	0.3	< 0.5	78	1340	< 1	115	2	79	1.90	1110	< 10	66	< 0.5	< 2	1.92	28	45	6.09	< 10	< 1	0.08	13	2.33
B410101	0.2	< 0.5	186	769	< 1	87	< 2	83	2.29	14	< 10	63	< 0.5	< 2	3.36	36	138	5.46	< 10	< 1	0.30	< 10	1.90
B410102	0.4	< 0.5	282	831	< 1	70	< 2	128	2.22	6	< 10	74	< 0.5	< 2	3.54	42	50	6.57	< 10	1	0.60	< 10	1.79

## Results

## Activation Laboratories Ltd.

Report: A21-05893

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2		0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B410103	0.5	< 0.5	386	837	< 1	80	< 2	100	2.50	12	< 10	72	< 0.5	< 2	3.00	36	121	7.03	< 10	< 1	0.44	< 10	1.91
B410104	0.2	< 0.5	161	827	< 1	83	< 2	61	2.35	22	< 10	136	< 0.5	< 2	4.08	40	140	4.98	< 10	< 1	0.54	< 10	1.93
B410105	0.2	< 0.5	114	687	< 1	168	< 2	64	2.33	101	< 10	137	< 0.5	< 2	3.09	58	266	4.83	< 10	< 1	0.58	23	2.10
B410106	0.3	< 0.5	193	967	< 1	102	< 2	65	2.75	22	< 10	71	< 0.5	< 2	4.96	46	162	7.05	< 10	< 1	0.42	< 10	2.24
B410107	0.3	< 0.5	215	807	< 1	112	< 2	73	3.00	21	< 10	98	< 0.5	< 2	2.99	53	159	7.16	< 10	< 1	0.44	< 10	2.26
B410108	0.3	< 0.5	291	889	< 1	91	< 2	73	2.38	7	< 10	46	< 0.5	< 2	4.41	36	124	5.62	< 10	< 1	0.18	< 10	2.04
B410109	< 0.2	< 0.5	271	741	< 1	93	< 2	71	2.13	< 2	< 10	67	< 0.5	< 2	3.09	40	110	5.53	< 10	< 1	0.24	< 10	1.79
B410110	< 0.2	< 0.5	7	53	< 1	< 1	< 2	8	0.08	< 2	< 10	16	< 0.5	< 2	0.01	< 1	5	0.44	< 10	< 1	0.01	< 10	0.01
B410111	0.4	< 0.5	402	700	< 1	102	< 2	65	2.12	3	< 10	65	< 0.5	< 2	3.08	43	140	6.02	< 10	< 1	0.58	< 10	1.76
B410112	0.4	< 0.5	266	843	< 1	96	< 2	72	2.45	10	< 10	85	< 0.5	< 2	3.81	39	129	6.09	< 10	< 1	0.31	< 10	2.07
B410113	0.4	< 0.5	180	855	< 1	80	< 2	74	2.23	56	< 10	198	< 0.5	< 2	4.20	41	175	5.32	< 10	< 1	0.92	< 10	1.82
B410114	0.5	< 0.5	142	828	< 1	94	< 2	75	2.13	117	< 10	155	< 0.5	< 2	3.95	45	188	5.52	< 10	< 1	1.09	< 10	1.85
B410115	0.3	< 0.5	196	795	3	137	< 2	55	1.78	90	< 10	64	< 0.5	< 2	5.05	37	245	4.76	< 10	< 1	0.24	< 10	1.84
B410116	0.4	< 0.5	221	729	< 1	114	3	59	1.83	55	< 10	74	< 0.5	< 2	3.87	42	205	5.42	< 10	< 1	0.30	10	1.86
B410117	0.5	< 0.5	276	689	< 1	50	2	46	1.63	20	< 10	49	< 0.5	< 2	2.65	46	7	5.97	< 10	< 1	0.20	< 10	1.43
B410118	0.3	< 0.5	273	805	< 1	107	< 2	49	1.75	50	< 10	61	< 0.5	< 2	4.63	36	170	4.56	< 10	< 1	0.24	< 10	1.81
B410119	0.3	< 0.5	201	726	< 1	59	< 2	53	1.52	48	< 10	13	< 0.5	< 2	3.24	42	96	4.89	< 10	< 1	0.08	< 10	1.45
B410120	< 0.2	< 0.5	51	581	< 1	128	10	99	2.26	12	< 10	100	0.7	< 2	1.24	35	60	5.15	< 10	< 1	0.14	17	1.77
B410121	1.1	< 0.5	114	336	11	173	< 2	44	1.52	6	< 10	268	< 0.5	< 2	1.89	27	494	2.45	< 10	< 1	0.60	62	1.84
B410122	0.6	< 0.5	84	341	9	203	6	48	1.92	22	< 10	283	< 0.5	< 2	1.88	36	671	2.72	< 10	< 1	0.96	64	2.30
B410123	4.7	< 0.5	143	487	11	181	7	70	1.95	95	< 10	182	< 0.5	< 2	3.92	29	363	2.66	< 10	< 1	0.46	20	3.14
B410124	0.2	< 0.5	36	262	< 1	152	< 2	28	1.52	9	< 10	214	< 0.5	< 2	0.97	22	461	1.97	< 10	< 1	0.49	< 10	1.76
B410125	0.8	< 0.5	141	345	3	161	2	69	2.47	4	< 10	186	< 0.5	< 2	0.51	34	487	3.51	< 10	< 1	0.59	10	2.72
B410126	0.3	< 0.5	210	718	2	56	< 2	55	1.54	36	< 10	11	< 0.5	< 2	3.18	36	111	4.81	< 10	< 1	0.07	< 10	1.49
B410127	0.4	< 0.5	275	667	< 1	60	< 2	52	1.50	32	< 10	14	< 0.5	< 2	3.02	37	118	4.68	< 10	< 1	0.07	< 10	1.44
B410128	0.3	< 0.5	242	659	4	60	< 2	51	1.33	34	< 10	15	< 0.5	< 2	2.69	34	136	4.57	< 10	< 1	0.07	< 10	1.45
B410129	0.9	< 0.5	501	738	2	88	< 2	57	1.77	48	< 10	131	< 0.5	< 2	3.77	40	317	4.33	< 10	< 1	0.41	< 10	1.80
B410130	< 0.2	< 0.5	3	61	< 1	1	< 2	4	0.06	< 2	< 10	14	< 0.5	< 2	< 0.01	< 1	4	0.49	< 10	< 1	0.01	< 10	< 0.01
B410131	0.4	< 0.5	185	827	< 1	62	< 2	61	1.93	17	< 10	49	< 0.5	< 2	4.16	35	122	4.88	< 10	< 1	0.20	< 10	1.72
B410132	0.4	< 0.5	249	660	2	58	< 2	51	1.54	10	< 10	96	< 0.5	< 2	2.59	34	100	5.09	< 10	< 1	0.23	< 10	1.37
B410133	0.4	< 0.5	171	713	< 1	69	< 2	56	1.73	20	< 10	109	< 0.5	< 2	2.99	33	167	5.14	< 10	< 1	0.34	< 10	1.64
B410134	0.4	0.6	335	748	< 1	66	< 2	55	1.62	9	< 10	68	< 0.5	< 2	3.46	41	117	5.02	< 10	< 1	0.19	< 10	1.39
B410135	< 0.2	< 0.5	195	748	< 1	51	< 2	62	2.27	11	< 10	49	< 0.5	< 2	2.62	36	86	5.68	< 10	< 1	0.16	< 10	1.94
B410136	0.5	< 0.5	376	733	< 1	55	< 2	61	2.18	14	< 10	17	< 0.5	< 2	2.53	40	64	5.62	< 10	< 1	0.07	< 10	1.80
B410137	0.7	< 0.5	331	789	< 1	43	< 2	59	1.71	13	< 10	11	< 0.5	< 2	2.90	33	47	5.84	< 10	< 1	0.05	< 10	1.42
B410138	0.6	< 0.5	299	775	< 1	42	< 2	64	1.65	11	< 10	13	< 0.5	< 2	2.80	31	31	6.36	< 10	< 1	0.06	< 10	1.30
B410139	< 0.2	< 0.5	49	560	< 1	104	< 2	56	1.85	24	< 10	35	< 0.5	< 2	2.01	28	256	3.72	< 10	< 1	0.11	< 10	1.78
B410141	0.6	< 0.5	521	688	< 1	52	< 2	65	1.92	8	< 10	26	< 0.5	< 2	2.52	45	29	6.14	< 10	< 1	0.09	< 10	1.43
B410142	0.2	< 0.5	236	736	< 1	54	< 2	59	1.84	6	< 10	14	< 0.5	< 2	2.86	35	37	5.76	< 10	2	0.06	< 10	1.40
B410143	0.2	< 0.5	288	673	< 1	51	< 2	54	1.84	8	< 10	81	< 0.5	< 2	2.78	39	36	5.61	< 10	< 1	0.26	< 10	1.50
B410144	0.3	< 0.5	259	551	< 1	174	< 2	105	2.55	94	< 10	58	< 0.5	< 2	1.72	63	236	6.01	< 10	< 1	0.84	12	2.24
B410145	1.3	0.5	356	594	< 1	164	< 2	126	3.09	64	< 10	109	< 0.5	< 2	1.96	59	256	5.53	< 10	1	0.91	11	2.97
B410146	0.4	< 0.5	343	777	< 1	67	< 2	53	1.89	8	< 10	< 10	< 0.5	< 2	3.45	40	60	5.47	< 10	< 1	0.06	< 10	1.56
B410147	0.9	< 0.5	445	586	2	88	< 2	70	2.61	21	< 10	109	< 0.5	< 2	2.13	38	137	5.17	< 10	< 1	0.46	< 10	2.39
B410148	0.3	< 0.5	124	607	< 1	160	< 2	85	3.34	14	< 10	326	< 0.5	< 2	3.53	33	338	4.53	< 10	< 1	1.17	24	2.98
B410149	0.3	< 0.5	120	487	7	198	5	81	2.57	16	< 10	269	< 0.5	< 2	2.23	30	393	3.74	< 10	< 1	0.88	20	2.56
B410150																							
B410151	0.9	< 0.5	689	455	4	84	3	66	1.88	7	< 10	55	< 0.5	< 2	1.54	87	75	5.84	< 10	< 1	0.42	10	1.87
B410152	0.4	< 0.5	38	447	< 1	247	< 2	87	2.83	23	< 10	324	< 0.5	< 2	1.63	34	599	3.89	< 10	< 1	1.11	26	3.01
B410153	0.8	< 0.5	104	490	< 1	305	2	109	3.20	29	< 10	401	< 0.5	< 2	2.64	41	633	3.78	< 10	< 1	1.40	23	3.45
B410154	1.0	3.5	66	1100	< 1	37	4	328	0.63	44	< 10	31	< 0.5	< 2	> 10.0	4	75	1.73	< 10	< 1	0.12	< 10	5.27

## Results

## Activation Laboratories Ltd.

Report: A21-05893

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2		0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B410155	0.3	< 0.5	84	564	< 1	310	5	158	2.34	27	< 10	148	< 0.5	< 2	4.66	32	524	3.29	< 10	< 1	0.73	24	3.84
B410156	0.4	< 0.5	58	550	< 1	328	3	202	2.84	32	< 10	141	< 0.5	< 2	3.79	39	613	3.64	< 10	< 1	0.82	25	3.95
B410157	0.6	< 0.5	30	501	< 1	345	3	142	3.03	20	< 10	401	< 0.5	< 2	3.05	39	715	3.47	< 10	< 1	1.29	19	3.61
B410158	1.3	0.7	190	932	2	53	2	33	1.10	12	< 10	68	< 0.5	< 2	9.85	26	33	2.97	< 10	< 1	0.20	14	2.35
B410159	0.8	< 0.5	100	452	< 1	196	3	47	2.19	9	< 10	167	< 0.5	< 2	2.11	32	445	3.50	< 10	< 1	0.54	< 10	2.53
B410161	< 0.2	< 0.5	55	428	< 1	180	< 2	48	2.17	11	< 10	177	< 0.5	< 2	1.45	25	472	2.89	< 10	< 1	0.45	10	2.46
B410162	0.9	< 0.5	90	325	2	103	< 2	39	1.88	15	< 10	239	< 0.5	< 2	0.78	34	224	3.55	< 10	< 1	0.91	11	1.83
B410163	< 0.2	< 0.5	226	407	< 1	154	< 2	45	1.88	30	< 10	86	< 0.5	< 2	1.33	27	427	2.82	< 10	< 1	0.27	10	2.25
B410164	< 0.2	< 0.5	64	474	< 1	195	9	49	2.29	28	< 10	114	< 0.5	< 2	2.12	29	478	3.19	< 10	< 1	0.38	21	2.51
B410165	0.5	< 0.5	167	485	7	172	< 2	47	1.87	103	< 10	83	< 0.5	< 2	2.31	42	341	3.03	< 10	< 1	0.22	24	1.97
B410166	0.6	< 0.5	219	555	20	138	< 2	52	2.10	40	< 10	148	< 0.5	< 2	1.90	47	177	4.91	< 10	< 1	0.47	< 10	2.01
B410167	0.6	< 0.5	160	580	8	123	4	55	1.87	24	< 10	28	< 0.5	< 2	2.33	29	136	4.17	< 10	< 1	0.09	< 10	1.94
B410168	1.2	< 0.5	425	791	24	106	< 2	115	2.42	9	< 10	116	< 0.5	< 2	2.70	46	61	6.62	< 10	< 1	0.43	< 10	2.00
B410169	0.8	< 0.5	208	864	8	68	< 2	122	2.30	16	< 10	69	< 0.5	< 2	3.30	38	51	6.12	< 10	< 1	0.27	< 10	1.83
B410171	0.3	< 0.5	135	913	3	60	< 2	91	2.63	15	< 10	133	< 0.5	< 2	3.46	38	65	6.92	< 10	< 1	0.67	< 10	2.07
B410172	0.6	< 0.5	225	787	6	53	< 2	75	2.12	28	< 10	83	< 0.5	< 2	3.02	40	43	5.93	< 10	2	0.41	< 10	1.61
B410173	0.7	< 0.5	219	769	< 1	41	< 2	57	1.72	24	< 10	17	< 0.5	< 2	2.90	38	37	5.20	< 10	< 1	0.11	< 10	1.43
B410174	0.8	< 0.5	338	758	< 1	46	< 2	54	1.65	18	< 10	12	< 0.5	< 2	2.89	37	41	4.90	< 10	< 1	0.08	< 10	1.40
B410175	0.5	< 0.5	304	739	< 1	51	< 2	56	1.89	24	< 10	28	< 0.5	< 2	2.98	33	50	5.19	< 10	< 1	0.12	< 10	1.56
B410176	0.6	< 0.5	233	790	< 1	49	< 2	61	1.98	24	< 10	40	< 0.5	< 2	3.09	34	53	5.38	< 10	< 1	0.16	< 10	1.63
B410177	0.5	< 0.5	251	805	< 1	52	< 2	68	2.17	24	< 10	130	< 0.5	< 2	3.28	36	55	5.59	< 10	< 1	0.53	< 10	1.70
B410178	0.7	< 0.5	198	813	< 1	54	< 2	74	2.43	14	< 10	83	< 0.5	< 2	3.08	35	56	6.06	< 10	2	0.34	< 10	1.86
B410179	0.5	< 0.5	193	1070	8	65	< 2	87	3.44	15	< 10	120	< 0.5	< 2	4.37	44	44	7.95	10	1	0.59	< 10	2.71
B410181	0.5	< 0.5	272	655	8	40	< 2	72	1.92	11	< 10	100	< 0.5	< 2	2.10	32	26	5.72	< 10	< 1	0.38	< 10	1.62
B410182	0.5	< 0.5	183	771	7	52	< 2	71	1.96	9	< 10	236	< 0.5	< 2	3.26	32	62	6.03	< 10	1	0.98	< 10	1.66
B410183	1.0	< 0.5	320	693	4	47	4	72	1.83	6	< 10	161	< 0.5	< 2	3.09	29	60	5.02	< 10	< 1	0.81	< 10	1.62
B410184	0.7	< 0.5	137	854	3	95	< 2	83	2.43	21	< 10	271	< 0.5	< 2	4.24	38	271	5.13	< 10	< 1	1.28	< 10	2.27
B410185	0.5	< 0.5	123	795	2	153	< 2	65	2.71	69	< 10	75	< 0.5	< 2	2.70	57	317	6.07	< 10	1	0.40	< 10	2.12
B410186	0.3	< 0.5	88	912	1	105	< 2	47	2.02	47	< 10	94	< 0.5	< 2	4.85	41	306	4.24	< 10	< 1	0.30	< 10	2.05
B410187	0.3	< 0.5	51	748	4	92	< 2	48	2.53	45	< 10	135	< 0.5	< 2	4.07	35	240	3.53	< 10	< 1	0.69	11	1.95
B410188	< 0.2	< 0.5	3	325	3	73	2	44	2.42	36	< 10	150	< 0.5	< 2	0.84	15	184	2.01	< 10	< 1	1.11	30	1.57
B410189	< 0.2	< 0.5	1	173	< 1	9	7	23	0.88	8	< 10	59	< 0.5	< 2	0.41	6	5	1.13	< 10	< 1	0.22	13	0.54
B410191	0.3	< 0.5	64	605	4	75	7	47	1.73	7	< 10	78	< 0.5	< 2	2.98	24	174	3.08	< 10	< 1	0.47	< 10	1.65
B410192	0.2	< 0.5	73	795	17	96	< 2	50	1.96	3	< 10	143	< 0.5	< 2	4.41	28	282	3.99	< 10	< 1	1.14	< 10	2.13
B410193	< 0.2	< 0.5	37	748	34	84	< 2	48	1.30	4	< 10	141	< 0.5	< 2	3.91	24	376	4.05	< 10	< 1	0.73	< 10	1.73
B410194	< 0.2	< 0.5	111	533	< 1	174	< 2	40	1.94	14	< 10	439	< 0.5	< 2	3.33	29	602	3.30	< 10	< 1	1.43	63	2.53
B410195	< 0.2	< 0.5	35	596	< 1	171	< 2	40	1.93	18	< 10	123	< 0.5	< 2	3.95	32	579	3.31	< 10	< 1	1.32	57	2.81
B410196	< 0.2	< 0.5	33	516	< 1	182	< 2	43	2.04	17	< 10	118	< 0.5	< 2	3.28	31	597	3.36	< 10	< 1	1.38	53	2.93
B410197	1.5	< 0.5	86	716	5	148	3	38	1.34	165	< 10	59	< 0.5	< 2	4.96	51	344	4.03	< 10	< 1	0.20	< 10	1.74
B410198	0.2	< 0.5	53	576	10	140	< 2	22	1.06	8	< 10	12	< 0.5	< 2	4.36	37	256	2.68	< 10	< 1	0.05	< 10	1.26
B410199	0.2	< 0.5	75	461	2	135	< 2	37	1.92	23	< 10	41	< 0.5	< 2	2.56	36	309	3.41	< 10	< 1	0.16	< 10	1.92
B410201	0.3	< 0.5	104	601	5	180	4	38	1.91	28	< 10	66	< 0.5	< 2	4.00	52	444	4.56	< 10	< 1	0.32	< 10	1.98
B410202	< 0.2	< 0.5	83	563	2	153	< 2	33	1.14	5	< 10	25	< 0.5	< 2	3.66	37	328	3.06	< 10	< 1	0.08	< 10	1.74
B410203	0.3	< 0.5	92	549	4	188	< 2	35	1.37	28	< 10	13	< 0.5	< 2	2.96	39	281	3.30	< 10	< 1	0.05	< 10	1.88
B410204	0.4	< 0.5	111	660	2	240	5	34	1.44	13	< 10	51	< 0.5	< 2	4.45	47	261	3.37	< 10	< 1	0.14	18	1.86
B410205	0.4	< 0.5	114	713	2	179	< 2	34	1.44	9	< 10	91	< 0.5	< 2	4.40	36	273	3.31	< 10	< 1	0.19	21	1.78
B410206	0.8	< 0.5	166	521	17	228	6	51	1.70	29	< 10	215	< 0.5	< 2	2.89	47	302	3.27	< 10	< 1	0.57	43	1.89
B410207	0.8	< 0.5	170	583	75	223	4	54	1.79	22	< 10	148	< 0.5	< 2	2.54	43	287	3.51	< 10	< 1	0.76	35	1.93
B410208	0.9	< 0.5	105	1290	10	170	3	38	2.01	72	< 10	65	< 0.5	< 2	6.74	47	407	5.13	< 10	< 1	0.32	< 10	2.54
B410209	0.4	< 0.5	41	903	2	163	< 2	25	1.41	5	< 10	87	< 0.5	< 2	4.48	34	303	3.64	< 10	< 1	0.44	< 10	1.51
B410211	0.4	< 0.5	42	1270	2	236	5	20	0.90	2	< 10	29	< 0.5	< 2	6.61	37	171	3.02	< 10	< 1	0.10	< 10	1.35

## Results

## Activation Laboratories Ltd.

## Report: A21-05893

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2		0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B410212	0.6	< 0.5	71	997	< 1	225	3	26	1.47	< 2	< 10	69	< 0.5	< 2	5.99	50	326	4.06	< 10	< 1	0.19	< 10	1.65
B410213	0.7	< 0.5	113	562	< 1	230	8	33	1.86	3	< 10	41	< 0.5	< 2	3.17	46	256	3.81	< 10	< 1	0.11	< 10	1.63
B410214	0.8	< 0.5	165	520	3	225	4	48	1.14	5	< 10	52	< 0.5	< 2	2.93	49	209	3.44	< 10	< 1	0.11	< 10	1.27
B410215	1.7	< 0.5	120	460	33	80	7	58	1.25	5	< 10	11	< 0.5	< 2	1.03	25	89	3.24	< 10	< 1	0.03	< 10	1.17
B410216	1.3	< 0.5	145	491	50	104	7	70	1.43	5	< 10	13	< 0.5	< 2	0.91	32	103	3.75	< 10	< 1	0.03	< 10	1.33
B410217	3.7	< 0.5	251	521	52	180	21	71	1.57	11	< 10	42	< 0.5	< 2	1.33	51	283	4.20	< 10	< 1	0.10	26	1.77
B410218	0.7	< 0.5	171	394	21	231	10	65	1.78	8	< 10	209	< 0.5	< 2	1.98	40	636	3.02	< 10	< 1	0.65	81	2.53
B410219	< 0.2	0.6	21	372	< 1	207	6	53	1.99	8	< 10	299	< 0.5	< 2	2.02	33	732	2.77	< 10	< 1	1.19	85	2.80
B410221	0.3	< 0.5	59	379	< 1	171	< 2	43	1.71	6	< 10	208	< 0.5	< 2	2.25	31	466	2.89	< 10	< 1	0.96	69	2.29
B410222	0.4	< 0.5	62	308	1	53	2	59	1.37	< 2	< 10	347	< 0.5	< 2	0.98	15	82	2.34	< 10	< 1	0.62	26	1.18
B410223	< 0.2	< 0.5	12	323	< 1	35	4	66	1.47	2	< 10	403	< 0.5	< 2	0.92	13	53	2.40	< 10	< 1	0.73	22	1.09
B410224	0.2	< 0.5	14	414	< 1	36	6	72	1.73	< 2	< 10	571	< 0.5	< 2	1.41	12	51	2.61	10	< 1	1.02	21	1.20
B410225	0.3	< 0.5	17	365	< 1	36	24	75	1.57	< 2	< 10	491	< 0.5	< 2	1.14	11	50	2.51	< 10	< 1	0.90	21	1.13
B410226	1.1	< 0.5	169	305	5	261	9	46	2.95	257	< 10	211	< 0.5	< 2	2.83	45	312	2.09	< 10	< 1	0.43	46	1.81
B410227	0.8	< 0.5	101	282	12	170	6	49	2.37	67	< 10	242	< 0.5	< 2	1.94	35	370	2.06	< 10	< 1	0.49	12	1.66
B410228	0.6	< 0.5	116	324	7	230	6	53	2.64	123	< 10	323	< 0.5	< 2	1.68	45	411	2.70	< 10	< 1	0.83	38	2.05
B410229	1.6	< 0.5	369	416	16	169	< 2	60	2.63	24	< 10	126	< 0.5	< 2	1.12	44	307	4.59	< 10	< 1	1.09	16	2.34
B410230																							
B410231	1.4	< 0.5	408	573	12	139	< 2	53	3.86	367	< 10	80	< 0.5	< 2	2.46	53	148	5.25	< 10	< 1	0.64	< 10	1.90
B410232	3.2	0.5	721	604	12	142	3	59	4.52	306	< 10	46	< 0.5	< 2	2.26	60	145	5.98	10	1	1.22	< 10	1.78
B410233	0.8	< 0.5	202	842	5	84	< 2	80	6.19	7	< 10	172	0.5	< 2	3.20	43	134	7.46	10	< 1	2.23	< 10	2.52
B410234	1.0	< 0.5	284	829	< 1	80	< 2	73	6.15	< 2	< 10	133	< 0.5	< 2	3.15	36	130	6.97	10	1	1.98	< 10	2.27
B410235	1.0	< 0.5	148	919	4	89	4	70	5.13	5	< 10	99	< 0.5	3	3.94	40	115	6.92	10	1	1.88	< 10	2.47
B410236	1.3	< 0.5	154	954	4	87	3	74	4.98	4	< 10	93	< 0.5	3	4.23	38	109	6.85	10	< 1	1.73	< 10	2.50
B410237	1.1	< 0.5	109	910	1	62	6	86	2.98	8	< 10	92	< 0.5	< 2	4.19	25	87	5.18	< 10	< 1	1.57	< 10	2.43
B410238	0.4	< 0.5	25	554	< 1	37	< 2	59	1.89	5	< 10	353	< 0.5	< 2	2.15	14	54	2.96	< 10	< 1	1.25	17	1.45
B410239	0.4	< 0.5	26	564	< 1	38	3	61	1.97	6	< 10	365	< 0.5	< 2	2.23	15	54	3.05	< 10	< 1	1.30	17	1.50
B410240																							
B410241	1.4	< 0.5	46	536	< 1	268	3	54	2.65	40	< 10	110	< 0.5	< 2	3.75	34	581	3.14	< 10	< 1	0.44	26	3.11
B410242	0.9	< 0.5	294	811	4	91	< 2	61	3.41	5	< 10	60	< 0.5	3	1.70	47	112	7.27	< 10	1	1.17	< 10	1.99
B410243	0.5	< 0.5	161	655	21	71	< 2	52	3.60	12	< 10	107	< 0.5	< 2	2.54	40	103	5.67	< 10	< 1	0.62	< 10	1.84
B410244	< 0.2	< 0.5	27	483	< 1	148	< 2	48	2.48	6	< 10	185	< 0.5	< 2	1.64	29	411	3.56	< 10	< 1	0.81	< 10	2.41
B410245	0.8	< 0.5	49	570	< 1	118	< 2	45	2.67	4	< 10	120	< 0.5	< 2	2.29	41	305	4.56	< 10	< 1	0.71	18	2.31
B410246	1.1	< 0.5	155	654	1	73	3	45	2.37	2	< 10	65	< 0.5	< 2	1.76	37	115	5.95	< 10	< 1	0.46	< 10	1.87
B410247	1.3	< 0.5	193	805	11	73	< 2	56	2.99	13	< 10	61	< 0.5	< 2	2.89	40	120	6.84	< 10	< 1	0.83	< 10	2.21
B410248	1.6	< 0.5	151	798	1	49	3	49	3.62	10	< 10	63	< 0.5	< 2	4.05	38	69	7.26	10	1	1.18	< 10	3.09
B410249	1.4	< 0.5	110	1180	< 1	84	< 2	99	3.55	26	< 10	56	< 0.5	< 2	8.09	36	173	6.79	< 10	< 1	0.94	< 10	4.97
B410250																							
B410251	2.4	< 0.5	66	1140	3	96	< 2	149	3.27	42	< 10	18	< 0.5	< 2	> 10.0	25	170	6.33	< 10	1	0.21	15	6.03
B410252	1.2	< 0.5	167	817	< 1	81	< 2	76	3.06	9	< 10	100	< 0.5	< 2	2.63	45	122	7.11	10	< 1	0.97	< 10	2.45
B410253	1.1	< 0.5	165	860	6	71	< 2	78	3.55	5	< 10	53	< 0.5	< 2	3.24	41	123	7.30	10	< 1	0.56	< 10	2.66
B410254	1.0	< 0.5	115	1160	5	88	< 2	58	2.82	8	< 10	55	< 0.5	< 2	7.27	28	166	6.29	< 10	< 1	0.69	< 10	4.26
B410255	0.7	< 0.5	30	1370	< 1	28	2	21	1.22	2	< 10	23	< 0.5	< 2	> 10.0	11	26	4.71	< 10	< 1	0.32	< 10	3.55
B410256	0.9	< 0.5	29	1410	< 1	35	< 2	25	1.59	3	< 10	40	< 0.5	< 2	> 10.0	11	33	5.45	< 10	< 1	0.57	< 10	3.98
B410257	1.7	< 0.5	70	1170	< 1	58	< 2	30	1.93	7	< 10	42	< 0.5	< 2	8.59	19	89	5.72	< 10	< 1	0.55	< 10	3.89
B410258	0.3	< 0.5	46	514	< 1	115	< 2	44	1.94	4	< 10	66	< 0.5	< 2	3.40	24	298	2.91	< 10	< 1	0.40	< 10	2.22
B410259	0.8	< 0.5	82	551	< 1	130	< 2	48	2.19	7	< 10	90	< 0.5	< 2	2.45	30	292	4.19	< 10	< 1	0.40	< 10	2.24
B410260																							
B410261	< 0.2	< 0.5	41	380	< 1	105	< 2	39	1.75	5	< 10	66	< 0.5	< 2	2.34	23	258	2.72	< 10	< 1	0.23	14	1.86

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B410001	0.125	0.060	0.02	< 2	5	37	0.20	< 20	3	< 2	< 10	48	< 10	5	22
B410002	0.129	0.060	0.01	< 2	4	31	0.20	< 20	3	< 2	< 10	45	< 10	5	23
B410003	0.140	0.061	0.03	< 2	4	32	0.21	< 20	4	< 2	< 10	48	< 10	6	25
B410004	0.133	0.062	0.05	< 2	5	33	0.21	< 20	6	< 2	< 10	50	< 10	6	23
B410005	0.130	0.060	0.03	< 2	5	35	0.22	< 20	4	< 2	< 10	51	< 10	5	22
B410006	0.109	0.061	0.02	< 2	4	37	0.21	< 20	2	< 2	< 10	45	< 10	6	21
B410007	0.129	0.061	0.01	< 2	4	38	0.21	< 20	2	< 2	< 10	46	< 10	6	20
B410008	0.161	0.060	0.06	< 2	5	43	0.21	< 20	1	< 2	< 10	49	< 10	5	23
B410009	0.255	0.055	0.03	< 2	9	52	0.21	< 20	4	2	< 10	71	< 10	7	21
B410010	0.015	0.003	< 0.01	< 2	< 1	2	< 0.01	< 20	< 1	< 2	< 10	2	< 10	1	4
B410011	0.333	0.044	0.21	2	19	57	0.19	< 20	< 1	< 2	< 10	160	< 10	13	8
B410012	0.367	0.046	1.01	2	20	76	0.20	< 20	< 1	< 2	< 10	150	< 10	16	11
B410013	0.416	0.045	0.25	< 2	19	76	0.17	< 20	< 1	< 2	< 10	144	< 10	14	8
B410014	0.344	0.045	1.09	< 2	20	41	0.18	< 20	1	< 2	< 10	171	< 10	12	13
B410015	0.187	0.033	2.75	3	11	22	0.21	< 20	2	< 2	< 10	108	< 10	9	15
B410016	0.149	0.034	2.00	5	10	21	0.16	< 20	4	< 2	< 10	95	< 10	8	13
B410017	0.367	0.042	1.00	< 2	19	36	0.24	< 20	< 1	< 2	< 10	162	< 10	15	11
B410018	0.288	0.038	0.60	< 2	16	26	0.21	< 20	3	< 2	< 10	138	< 10	13	10
B410019	0.256	0.030	0.05	< 2	15	21	0.27	< 20	3	< 2	< 10	107	16	11	10
B410020	0.068	0.029	0.74	< 2	10	42	0.25	< 20	< 1	< 2	< 10	107	< 10	9	16
B410021	0.253	0.034	0.05	< 2	16	19	0.26	< 20	4	< 2	< 10	122	< 10	10	9
B410022	0.249	0.035	0.07	< 2	16	11	0.20	< 20	1	< 2	< 10	122	< 10	10	11
B410023	0.266	0.036	0.08	< 2	17	12	0.20	< 20	2	< 2	< 10	133	< 10	11	9
B410024	0.143	0.340	0.06	< 2	7	97	0.22	< 20	3	< 2	< 10	71	< 10	9	3
B410025	0.142	0.052	0.68	< 2	8	99	0.16	< 20	2	< 2	< 10	84	< 10	8	7
B410026	0.353	0.042	0.26	2	15	53	0.23	< 20	6	< 2	< 10	122	< 10	11	7
B410027	0.418	0.043	0.17	< 2	14	68	0.22	< 20	3	< 2	< 10	116	< 10	11	7
B410028	0.361	0.045	0.09	< 2	14	42	0.20	< 20	4	< 2	< 10	116	< 10	11	8
B410029	0.419	0.040	0.08	< 2	14	53	0.20	< 20	5	< 2	< 10	110	< 10	9	7
B410030	0.014	0.002	< 0.01	< 2	< 1	2	< 0.01	< 20	< 1	< 2	< 10	2	< 10	< 1	4
B410031	0.399	0.050	0.26	< 2	15	70	0.22	< 20	< 1	< 2	< 10	129	< 10	12	8
B410032	0.398	0.039	0.12	< 2	14	49	0.19	< 20	3	< 2	< 10	115	< 10	10	7
B410033	0.271	0.039	0.10	< 2	14	34	0.24	< 20	5	< 2	< 10	116	< 10	11	9
B410034	0.332	0.035	0.04	< 2	13	36	0.18	< 20	1	< 2	< 10	99	< 10	10	7
B410035	0.495	0.037	0.18	< 2	15	69	0.18	< 20	< 1	< 2	< 10	120	< 10	10	5
B410036	0.439	0.039	0.14	< 2	13	64	0.19	< 20	2	< 2	< 10	107	< 10	10	6
B410037	0.382	0.038	0.36	< 2	13	68	0.24	< 20	< 1	< 2	< 10	119	< 10	9	7
B410038	0.278	0.044	0.91	< 2	15	45	0.22	< 20	2	< 2	< 10	146	< 10	10	10
B410039	0.504	0.041	0.30	< 2	15	81	0.20	< 20	2	< 2	< 10	124	< 10	11	7
B410040	0.355	0.151	0.86	3	4	89	0.13	< 20	1	< 2	< 10	44	< 10	13	3
B410041	0.437	0.038	0.57	< 2	13	71	0.20	< 20	< 1	< 2	< 10	114	< 10	10	6
B410042	0.389	0.037	0.29	< 2	15	52	0.20	< 20	3	< 2	< 10	119	< 10	11	6
B410043	0.442	0.037	0.20	< 2	14	54	0.20	< 20	2	< 2	< 10	115	< 10	10	5
B410044	0.462	0.036	0.30	< 2	12	68	0.17	< 20	< 1	< 2	< 10	98	< 10	9	4
B410045	0.542	0.037	0.30	< 2	13	83	0.20	< 20	4	< 2	< 10	109	< 10	10	5
B410046	0.562	0.038	0.47	< 2	13	100	0.21	< 20	4	< 2	< 10	114	< 10	10	5
B410047	0.205	0.026	0.82	< 2	10	65	0.19	< 20	2	< 2	< 10	110	< 10	10	6
B410048	0.318	0.034	1.34	3	15	62	0.29	< 20	3	< 2	< 10	154	< 10	10	7
B410049	0.184	0.043	1.46	< 2	11	72	0.26	< 20	3	3	< 10	139	< 10	13	8
B410050	0.018	0.002	< 0.01	< 2	< 1	2	< 0.01	< 20	< 1	< 2	< 10	3	< 10	1	4
B410051	0.280	0.039	0.88	< 2	15	58	0.27	< 20	3	< 2	< 10	164	< 10	13	9

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B410052	0.280	0.034	1.35	3	13	62	0.27	< 20	2	< 2	< 10	143	< 10	11	8
B410053	0.231	0.033	1.39	2	13	55	0.27	< 20	3	< 2	< 10	150	< 10	12	11
B410054	0.182	0.074	0.53	< 2	13	45	0.23	< 20	1	< 2	< 10	130	< 10	12	13
B410055	0.283	0.088	0.17	< 2	16	33	0.20	< 20	4	< 2	< 10	121	< 10	10	10
B410056	0.338	0.042	0.24	< 2	18	41	0.21	< 20	2	< 2	< 10	136	< 10	11	10
B410057	0.247	0.061	0.59	< 2	14	52	0.20	< 20	3	< 2	< 10	122	< 10	11	13
B410058	0.219	0.049	0.74	< 2	15	33	0.22	< 20	6	< 2	< 10	164	< 10	10	12
B410059	0.297	0.065	0.33	< 2	16	42	0.22	< 20	< 1	< 2	< 10	143	< 10	10	11
B410060	0.331	0.092	0.02	2	5	87	0.25	< 20	3	< 2	< 10	46	< 10	12	5
B410061	0.155	0.315	0.02	< 2	7	178	0.19	< 20	2	< 2	< 10	56	< 10	11	3
B410062	0.233	0.117	0.35	< 2	13	65	0.19	< 20	2	< 2	< 10	99	< 10	10	11
B410063	0.266	0.110	0.30	< 2	14	44	0.16	< 20	< 1	< 2	< 10	106	< 10	11	12
B410064	0.248	0.175	0.30	< 2	12	43	0.20	< 20	2	< 2	< 10	89	< 10	10	5
B410065	0.094	0.255	< 0.01	2	9	78	0.21	< 20	2	< 2	< 10	76	< 10	9	3
B410066	0.170	0.190	0.11	< 2	11	138	0.22	< 20	3	< 2	< 10	97	< 10	10	4
B410067	0.222	0.062	0.21	< 2	15	60	0.24	< 20	2	< 2	< 10	160	< 10	12	18
B410068	0.201	0.076	0.02	< 2	16	49	0.18	< 20	< 1	< 2	< 10	149	< 10	12	9
B410069	0.264	0.063	0.20	< 2	17	47	0.19	< 20	4	< 2	< 10	150	< 10	11	14
B410070	0.013	0.001	< 0.01	< 2	< 1	1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	3
B410071	0.251	0.054	0.08	< 2	20	29	0.19	< 20	2	< 2	< 10	183	< 10	11	13
B410072	0.196	0.043	0.25	< 2	21	38	0.19	< 20	< 1	< 2	< 10	194	< 10	12	12
B410073	0.259	0.047	0.81	3	24	43	0.21	< 20	2	< 2	< 10	209	< 10	13	16
B410074	0.118	0.045	2.96	9	23	21	0.18	< 20	< 1	< 2	< 10	206	< 10	11	19
B410075	0.117	0.037	2.49	9	18	16	0.18	< 20	2	< 2	< 10	178	< 10	9	14
B410076	0.065	0.010	0.58	< 2	7	17	0.09	< 20	< 1	< 2	< 10	53	33	4	5
B410077	0.049	0.004	0.04	< 2	3	11	0.05	< 20	< 1	< 2	< 10	26	> 200	2	3
B410078	0.056	0.005	0.05	< 2	4	18	0.07	< 20	1	< 2	< 10	30	> 200	3	4
B410079	0.038	0.003	< 0.01	< 2	2	4	0.04	< 20	< 1	< 2	< 10	18	27	1	3
B410080	0.065	0.029	0.74	< 2	9	42	0.24	< 20	2	< 2	< 10	106	< 10	9	14
B410081	0.050	0.006	0.02	< 2	4	7	0.06	< 20	< 1	< 2	< 10	31	> 200	2	4
B410082	0.128	0.018	0.02	< 2	9	11	0.17	< 20	4	< 2	< 10	96	106	6	11
B410083	0.205	0.036	0.02	< 2	13	23	0.31	< 20	5	< 2	< 10	152	94	12	15
B410084	0.198	0.039	0.03	< 2	12	13	0.32	< 20	6	< 2	< 10	158	84	13	15
B410085	0.193	0.037	0.02	< 2	15	14	0.33	< 20	3	< 2	< 10	153	26	13	15
B410086	0.179	0.027	0.55	< 2	7	84	0.18	< 20	< 1	< 2	< 10	83	< 10	6	8
B410087	0.207	0.034	0.27	3	10	47	0.18	< 20	5	< 2	< 10	107	< 10	8	9
B410088	0.220	0.034	0.13	< 2	10	41	0.21	< 20	5	< 2	< 10	113	< 10	8	10
B410089	0.250	0.032	0.13	< 2	9	42	0.20	< 20	3	< 2	< 10	100	< 10	7	9
B410090	0.015	0.002	< 0.01	< 2	< 1	2	< 0.01	< 20	< 1	< 2	< 10	2	< 10	1	3
B410091	0.194	0.036	0.07	< 2	7	38	0.18	< 20	< 1	< 2	< 10	102	< 10	7	8
B410092	0.168	0.034	0.07	3	9	43	0.16	< 20	< 1	< 2	< 10	108	< 10	7	7
B410093	0.241	0.034	0.10	2	11	35	0.19	< 20	3	< 2	< 10	112	< 10	8	7
B410094	0.189	0.032	0.14	3	11	45	0.17	< 20	< 1	< 2	< 10	113	< 10	7	8
B410095	0.028	0.033	0.61	5	25	6	0.15	< 20	2	< 2	< 10	218	< 10	9	12
B410096	0.055	0.036	0.48	5	23	11	0.11	< 20	1	< 2	< 10	204	< 10	9	10
B410097	0.031	0.010	0.36	3	12	33	0.09	< 20	< 1	< 2	< 10	121	< 10	8	9
B410098	0.136	0.031	0.14	< 2	11	37	0.17	< 20	4	< 2	< 10	110	< 10	6	8
B410099	0.143	0.030	0.43	< 2	8	64	0.18	< 20	6	< 2	< 10	107	< 10	7	9
B410100	0.348	0.152	0.86	4	4	88	0.13	< 20	< 1	< 2	< 10	43	< 10	13	4
B410101	0.179	0.031	0.46	< 2	8	32	0.19	< 20	< 1	< 2	< 10	104	< 10	6	10
B410102	0.159	0.031	1.35	3	8	31	0.22	< 20	4	< 2	< 10	129	< 10	8	14

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B410103	0.129	0.031	1.12	< 2	11	33	0.21	< 20	2	< 2	< 10	135	< 10	7	11
B410104	0.191	0.036	0.24	< 2	9	42	0.21	< 20	4	< 2	< 10	103	< 10	6	10
B410105	0.149	0.110	0.28	< 2	8	34	0.19	< 20	< 1	< 2	< 10	104	< 10	8	14
B410106	0.131	0.033	0.44	< 2	10	50	0.18	< 20	1	< 2	< 10	144	< 10	7	10
B410107	0.199	0.036	0.47	< 2	10	34	0.20	< 20	< 1	< 2	< 10	141	< 10	7	11
B410108	0.163	0.035	0.71	3	8	46	0.20	< 20	3	< 2	< 10	93	< 10	6	9
B410109	0.202	0.033	0.87	3	8	31	0.20	< 20	6	< 2	< 10	93	< 10	6	9
B410110	0.013	0.001	< 0.01	< 2	< 1	1	< 0.01	< 20	< 1	< 2	< 10	1	< 10	< 1	3
B410111	0.156	0.033	1.59	< 2	8	29	0.22	< 20	3	< 2	< 10	101	< 10	6	10
B410112	0.181	0.033	0.88	3	9	32	0.22	< 20	3	< 2	< 10	104	< 10	7	9
B410113	0.156	0.030	0.42	< 2	7	36	0.22	< 20	4	< 2	< 10	90	< 10	6	7
B410114	0.144	0.030	0.53	< 2	7	31	0.24	< 20	5	< 2	< 10	96	< 10	6	8
B410115	0.109	0.060	1.08	< 2	4	35	0.23	< 20	3	< 2	< 10	76	< 10	7	12
B410116	0.102	0.055	1.45	< 2	4	28	0.24	< 20	3	< 2	< 10	81	< 10	7	12
B410117	0.158	0.041	1.41	2	5	19	0.21	< 20	3	< 2	< 10	106	< 10	8	14
B410118	0.098	0.038	1.20	< 2	4	31	0.17	< 20	2	< 2	< 10	65	< 10	5	11
B410119	0.210	0.033	0.34	< 2	9	22	0.20	< 20	4	< 2	< 10	93	< 10	8	6
B410120	0.333	0.094	0.02	< 2	5	87	0.24	< 20	3	< 2	< 10	47	< 10	12	6
B410121	0.132	0.221	0.28	< 2	8	62	0.24	< 20	3	< 2	< 10	56	< 10	9	4
B410122	0.106	0.256	0.37	< 2	7	71	0.25	< 20	3	< 2	< 10	60	< 10	9	5
B410123	0.085	0.083	0.42	< 2	5	56	0.13	< 20	2	< 2	< 10	43	< 10	5	10
B410124	0.134	0.038	0.04	< 2	6	29	0.16	< 20	1	< 2	< 10	48	< 10	4	23
B410125	0.084	0.043	0.25	< 2	6	12	0.18	< 20	3	< 2	< 10	83	< 10	4	31
B410126	0.228	0.033	0.12	< 2	9	19	0.19	< 20	3	< 2	< 10	96	< 10	8	6
B410127	0.205	0.033	0.17	< 2	8	19	0.18	< 20	2	< 2	< 10	95	< 10	7	7
B410128	0.192	0.032	0.11	< 2	8	16	0.18	< 20	< 1	< 2	< 10	91	< 10	7	7
B410129	0.182	0.029	0.10	3	7	31	0.21	< 20	3	< 2	< 10	82	< 10	5	8
B410130	0.015	0.001	< 0.01	< 2	< 1	1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	3
B410131	0.208	0.033	0.19	< 2	7	32	0.20	< 20	< 1	< 2	< 10	95	< 10	7	9
B410132	0.205	0.034	0.23	< 2	6	18	0.20	< 20	5	< 2	< 10	104	< 10	6	9
B410133	0.213	0.035	0.12	< 2	8	22	0.22	< 20	4	< 2	< 10	106	< 10	7	10
B410134	0.213	0.035	0.50	< 2	8	23	0.18	< 20	< 1	< 2	< 10	97	< 10	8	8
B410135	0.232	0.036	0.30	< 2	9	15	0.21	< 20	3	< 2	< 10	106	< 10	9	8
B410136	0.228	0.038	0.38	< 2	8	15	0.19	< 20	1	< 2	< 10	102	< 10	9	8
B410137	0.250	0.038	0.14	2	9	15	0.18	< 20	< 1	< 2	< 10	119	< 10	9	7
B410138	0.244	0.039	0.14	3	8	17	0.19	< 20	2	< 2	< 10	130	< 10	9	8
B410139	0.149	0.049	0.05	< 2	6	46	0.20	< 20	< 1	< 2	< 10	71	< 10	6	12
B410141	0.250	0.041	0.90	< 2	9	22	0.20	< 20	3	< 2	< 10	109	< 10	10	9
B410142	0.268	0.041	0.56	2	10	16	0.19	< 20	5	< 2	< 10	107	< 10	10	9
B410143	0.215	0.037	0.81	< 2	9	18	0.20	< 20	5	< 2	< 10	105	< 10	9	9
B410144	0.140	0.065	1.24	3	10	31	0.22	< 20	3	< 2	< 10	121	< 10	6	18
B410145	0.116	0.072	0.56	< 2	12	33	0.24	< 20	3	< 2	< 10	153	< 10	6	17
B410146	0.251	0.034	0.71	< 2	10	38	0.18	< 20	2	< 2	< 10	94	< 10	8	8
B410147	0.198	0.070	0.38	< 2	10	37	0.28	< 20	2	< 2	< 10	118	< 10	8	15
B410148	0.220	0.150	0.20	< 2	7	113	0.28	< 20	5	< 2	< 10	95	< 10	8	18
B410149	0.137	0.135	0.29	< 2	7	63	0.24	< 20	4	< 2	< 10	84	< 10	6	18
B410150															
B410151	0.124	0.057	1.94	< 2	6	20	0.26	< 20	3	< 2	< 10	100	< 10	7	17
B410152	0.148	0.158	0.21	2	5	46	0.25	< 20	3	< 2	< 10	75	< 10	6	14
B410153	0.147	0.162	0.24	< 2	5	64	0.26	< 20	1	< 2	< 10	77	< 10	6	15
B410154	0.029	0.024	0.48	< 2	1	114	0.04	< 20	< 1	< 2	< 10	13	< 10	2	4

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B410155	0.106	0.146	0.48	< 2	5	67	0.19	< 20	1	< 2	< 10	54	< 10	6	11
B410156	0.115	0.160	0.59	2	5	62	0.21	< 20	1	< 2	< 10	62	< 10	6	13
B410157	0.119	0.155	0.22	2	5	60	0.23	< 20	2	< 2	< 10	65	< 10	5	13
B410158	0.032	0.076	1.11	< 2	2	185	0.10	< 20	1	< 2	< 10	37	< 10	4	6
B410159	0.164	0.046	0.50	< 2	7	40	0.17	< 20	< 1	< 2	< 10	72	< 10	5	15
B410161	0.150	0.051	0.03	< 2	7	36	0.16	< 20	1	< 2	< 10	62	< 10	5	12
B410162	0.126	0.052	0.37	< 2	7	18	0.26	< 20	4	< 2	< 10	81	< 10	6	24
B410163	0.124	0.048	0.05	2	7	21	0.17	< 20	4	< 2	< 10	63	< 10	6	15
B410164	0.176	0.095	0.04	< 2	7	45	0.19	< 20	4	< 2	< 10	70	< 10	6	13
B410165	0.139	0.096	0.11	< 2	6	48	0.18	< 20	5	< 2	< 10	63	< 10	6	13
B410166	0.174	0.045	0.74	< 2	9	32	0.26	< 20	< 1	< 2	< 10	103	< 10	7	21
B410167	0.134	0.047	0.24	< 2	8	23	0.25	< 20	2	< 2	< 10	88	< 10	7	19
B410168	0.237	0.037	0.76	< 2	11	19	0.25	< 20	2	< 2	< 10	127	< 10	10	14
B410169	0.287	0.036	0.23	< 2	12	20	0.24	< 20	5	< 2	< 10	123	< 10	10	12
B410171	0.257	0.035	0.15	2	11	25	0.27	< 20	3	< 2	< 10	133	< 10	9	10
B410172	0.244	0.037	0.26	< 2	10	19	0.22	< 20	4	< 2	< 10	123	< 10	9	9
B410173	0.256	0.034	0.13	2	9	15	0.24	< 20	< 1	< 2	< 10	105	< 10	9	6
B410174	0.240	0.035	0.21	< 2	9	15	0.24	< 20	3	< 2	< 10	96	< 10	9	6
B410175	0.236	0.034	0.22	< 2	10	26	0.28	< 20	4	< 2	< 10	104	< 10	9	6
B410176	0.254	0.034	0.12	< 2	10	20	0.26	< 20	5	< 2	< 10	110	< 10	9	6
B410177	0.251	0.033	0.09	2	9	20	0.22	< 20	< 1	< 2	< 10	111	< 10	9	7
B410178	0.267	0.036	0.17	< 2	11	21	0.22	< 20	< 1	< 2	< 10	122	< 10	10	8
B410179	0.115	0.039	0.41	< 2	14	92	0.22	< 20	< 1	< 2	< 10	156	< 10	11	12
B410181	0.219	0.035	0.17	< 2	9	18	0.20	< 20	3	< 2	< 10	116	< 10	8	12
B410182	0.159	0.034	0.07	< 2	7	37	0.24	< 20	1	< 2	< 10	125	< 10	7	10
B410183	0.160	0.029	0.07	< 2	8	39	0.23	< 20	< 1	< 2	< 10	107	< 10	8	15
B410184	0.126	0.025	0.03	< 2	8	78	0.25	< 20	< 1	< 2	< 10	96	< 10	5	10
B410185	0.122	0.038	0.32	2	14	58	0.17	< 20	< 1	< 2	< 10	121	< 10	7	12
B410186	0.165	0.025	0.07	< 2	11	108	0.17	< 20	3	< 2	< 10	84	< 10	6	7
B410187	0.201	0.040	0.06	< 2	10	100	0.16	< 20	2	< 2	< 10	72	< 10	5	14
B410188	0.130	0.095	< 0.01	< 2	3	20	0.14	< 20	4	< 2	< 10	28	< 10	6	11
B410189	0.087	0.022	< 0.01	< 2	2	15	0.07	< 20	1	< 2	10	14	< 10	5	28
B410191	0.090	0.017	0.13	< 2	6	47	0.14	< 20	3	< 2	11	53	< 10	6	18
B410192	0.089	0.019	0.05	< 2	6	117	0.21	< 20	2	< 2	< 10	83	< 10	4	8
B410193	0.091	0.020	0.04	< 2	6	109	0.21	< 20	2	< 2	< 10	78	< 10	5	9
B410194	0.102	0.253	0.19	< 2	4	138	0.24	< 20	3	< 2	< 10	68	< 10	7	5
B410195	0.090	0.250	0.47	2	6	175	0.24	< 20	3	< 2	< 10	71	< 10	8	5
B410196	0.097	0.267	0.45	2	6	150	0.24	< 20	3	< 2	< 10	70	< 10	8	5
B410197	0.098	0.015	1.59	3	9	145	0.17	< 20	5	< 2	< 10	66	< 10	5	5
B410198	0.085	0.015	0.61	< 2	8	94	0.16	< 20	< 1	< 2	< 10	48	12	5	6
B410199	0.123	0.017	0.48	< 2	9	113	0.17	< 20	2	< 2	< 10	55	< 10	5	9
B410201	0.129	0.017	1.30	2	11	115	0.21	< 20	4	< 2	< 10	72	< 10	6	11
B410202	0.111	0.017	0.38	< 2	12	84	0.20	< 20	5	< 2	< 10	60	< 10	5	6
B410203	0.076	0.016	0.36	< 2	9	61	0.17	< 20	3	< 2	< 10	60	< 10	5	8
B410204	0.105	0.078	0.56	< 2	8	141	0.16	< 20	< 1	< 2	< 10	51	< 10	6	13
B410205	0.135	0.081	0.60	< 2	8	156	0.17	< 20	2	< 2	< 10	55	< 10	6	14
B410206	0.142	0.148	0.47	< 2	8	99	0.20	< 20	5	< 2	< 10	70	< 10	8	8
B410207	0.121	0.119	0.55	< 2	10	78	0.20	< 20	1	< 2	< 10	74	< 10	8	16
B410208	0.039	0.014	1.08	< 2	14	239	0.11	< 20	< 1	< 2	< 10	98	< 10	5	9
B410209	0.072	0.008	0.96	< 2	7	135	0.12	< 20	2	< 2	< 10	55	< 10	4	7
B410211	0.096	0.008	0.84	< 2	6	161	0.12	< 20	2	< 2	< 10	41	< 10	4	6



Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B410212	0.142	0.013	1.04	< 2	9	166	0.18	< 20	< 1	< 2	< 10	64	< 10	5	8
B410213	0.184	0.013	0.82	< 2	9	182	0.19	< 20	1	< 2	< 10	60	< 10	5	10
B410214	0.119	0.012	0.90	< 2	8	96	0.15	< 20	< 1	< 2	< 10	54	13	4	7
B410215	0.062	0.009	0.66	< 2	6	25	0.08	< 20	2	< 2	< 10	64	10	4	8
B410216	0.070	0.009	0.86	< 2	7	26	0.10	< 20	< 1	< 2	< 10	74	10	4	12
B410217	0.092	0.098	1.06	< 2	10	42	0.23	< 20	6	< 2	< 10	103	11	8	24
B410218	0.121	0.300	0.31	3	7	104	0.27	< 20	3	< 2	< 10	65	< 10	10	4
B410219	0.131	0.332	0.23	2	7	183	0.26	< 20	6	< 2	< 10	60	< 10	10	4
B410221	0.148	0.264	0.33	< 2	7	122	0.24	< 20	3	< 2	< 10	62	< 10	10	5
B410222	0.170	0.085	0.13	< 2	5	40	0.17	< 20	4	< 2	< 10	57	< 10	6	12
B410223	0.200	0.065	0.10	< 2	5	42	0.17	< 20	5	< 2	< 10	57	< 10	6	21
B410224	0.202	0.060	0.07	< 2	6	41	0.20	< 20	3	< 2	< 10	55	< 10	6	32
B410225	0.214	0.061	0.10	< 2	5	40	0.19	< 20	4	< 2	< 10	53	< 10	5	35
B410226	0.288	0.170	0.12	< 2	6	262	0.16	< 20	2	< 2	< 10	41	< 10	8	5
B410227	0.299	0.041	0.14	< 2	6	157	0.17	< 20	4	< 2	< 10	47	< 10	5	15
B410228	0.257	0.143	0.19	< 2	7	137	0.18	< 20	< 1	< 2	< 10	63	< 10	7	8
B410229	0.157	0.060	0.69	< 2	14	79	0.28	< 20	6	< 2	< 10	150	< 10	7	24
B410230															
B410231	0.310	0.037	1.11	< 2	14	137	0.22	< 20	4	< 2	< 10	130	< 10	10	16
B410232	0.253	0.034	1.78	< 2	24	101	0.27	< 20	< 1	< 2	< 10	202	< 10	10	19
B410233	0.354	0.041	0.39	< 2	15	150	0.35	< 20	4	< 2	< 10	194	< 10	9	9
B410234	0.413	0.040	0.33	< 2	17	123	0.31	< 20	< 1	3	< 10	188	< 10	9	6
B410235	0.302	0.036	0.39	2	15	113	0.30	< 20	4	< 2	< 10	170	< 10	10	6
B410236	0.308	0.035	0.44	< 2	16	113	0.30	< 20	5	< 2	< 10	165	< 10	10	8
B410237	0.085	0.038	0.70	< 2	15	50	0.25	< 20	< 1	< 2	< 10	128	< 10	9	17
B410238	0.143	0.051	0.17	< 2	7	43	0.19	< 20	2	< 2	< 10	62	< 10	5	32
B410239	0.155	0.052	0.17	< 2	8	46	0.20	< 20	2	< 2	< 10	64	< 10	6	26
B410240															
B410241	0.103	0.125	0.20	3	7	119	0.20	< 20	2	< 2	< 10	56	12	7	10
B410242	0.261	0.040	1.07	< 2	18	53	0.28	< 20	5	< 2	< 10	161	< 10	11	12
B410243	0.388	0.050	0.43	< 2	17	71	0.22	< 20	2	< 2	< 10	142	< 10	10	8
B410244	0.213	0.048	0.08	< 2	9	51	0.22	< 20	< 1	< 2	< 10	89	< 10	6	14
B410245	0.209	0.094	0.75	< 2	13	69	0.25	< 20	3	< 2	< 10	119	< 10	10	20
B410246	0.191	0.045	0.99	< 2	16	18	0.28	< 20	4	< 2	< 10	156	< 10	11	14
B410247	0.202	0.041	1.03	< 2	17	34	0.33	< 20	1	< 2	< 10	166	< 10	12	12
B410248	0.137	0.045	1.12	3	18	54	0.29	< 20	3	< 2	< 10	189	< 10	13	13
B410249	0.089	0.044	0.53	< 2	20	107	0.15	< 20	< 1	< 2	< 10	142	< 10	10	9
B410250															
B410251	0.023	0.045	1.13	2	17	125	0.11	< 20	< 1	< 2	< 10	129	< 10	10	9
B410252	0.206	0.052	0.66	3	19	35	0.25	< 20	< 1	< 2	< 10	180	< 10	12	10
B410253	0.216	0.067	0.55	< 2	19	43	0.27	< 20	4	< 2	< 10	191	< 10	13	15
B410254	0.088	0.040	0.87	< 2	13	102	0.18	< 20	< 1	< 2	< 10	128	< 10	10	11
B410255	0.019	0.008	1.39	< 2	4	104	0.06	< 20	4	< 2	< 10	40	< 10	5	4
B410256	0.022	0.008	1.51	< 2	5	107	0.08	< 20	< 1	< 2	< 10	52	< 10	5	5
B410257	0.089	0.020	1.76	2	7	89	0.12	< 20	< 1	< 2	< 10	71	< 10	6	11
B410258	0.254	0.029	0.15	< 2	8	70	0.14	< 20	< 1	2	< 10	56	< 10	5	20
B410259	0.206	0.050	0.50	< 2	12	41	0.18	< 20	< 1	< 2	< 10	104	< 10	7	20
B410260															
B410261	0.153	0.082	0.29	< 2	6	54	0.15	< 20	1	< 2	< 10	56	< 10	5	16

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas	0.3	< 0.5	69	1010	< 1	24	92	135	7.33	241	< 10	1190	0.9	< 2	0.15	12	77	5.35	20	2	1.08	< 10	0.39
GXR-6 Cert	1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9	0.609
GXR-6 Meas	0.3	< 0.5	68	998	< 1	24	91	133	7.25	229	< 10	1140	0.9	< 2	0.15	12	76	5.29	20	1	1.06	< 10	0.38
GXR-6 Cert	1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9	0.609
GXR-6 Meas	0.3	< 0.5	68	1020	< 1	24	92	135	7.35	214	< 10	1180	0.9	< 2	0.15	12	77	5.29	20	2	1.06	< 10	0.39
GXR-6 Cert	1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9	0.609
OREAS 98 (Aqua Regia) Meas	36.1		> 10000				257	1240						75		99							
OREAS 98 (Aqua Regia) Cert	42.8		147000				343	1300						93		110							
OREAS 98 (Aqua Regia) Meas	37.6		> 10000				260	1270						26		103							
OREAS 98 (Aqua Regia) Cert	42.8		147000				343	1300						93		111							
OREAS 98 (Aqua Regia) Meas	38.0		> 10000				265	1280						60		105							
OREAS 98 (Aqua Regia) Cert	42.8		147000				343	1300						93		111							
OREAS 922 (AQUA REGIA) Meas	0.9	< 0.5	2330	780	< 1	37	59	289	3.11	6		114	0.8	9	0.42	21	46	5.09	< 10		0.47	37	1.37
OREAS 922 (AQUA REGIA) Cert	0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5	1.33
OREAS 922 (AQUA REGIA) Meas	0.8	< 0.5	2280	775	< 1	36	59	285	3.08	6		115	0.8	9	0.42	19	46	5.06	< 10		0.48	37	1.35
OREAS 922 (AQUA REGIA) Cert	0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5	1.33
OREAS 922 (AQUA REGIA) Meas	0.8	< 0.5	2260	777	< 1	36	61	292	3.07	6		113	0.8	9	0.42	19	45	5.05	< 10		0.47	37	1.35
OREAS 922 (AQUA REGIA) Cert	0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5	1.33
OREAS 923 (AQUA REGIA) Meas	1.7	< 0.5	4490	856	< 1	33	76	377	3.07	8		90	0.7	26	0.42	21	42	5.80	< 10		0.40	34	1.45
OREAS 923 (AQUA REGIA) Cert	1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0	1.43
OREAS 923 (AQUA REGIA) Meas	1.7	< 0.5	4340	841	< 1	32	76	362	3.01	8		88	0.7	26	0.42	20	41	5.67	< 10		0.40	33	1.41
OREAS 923 (AQUA REGIA) Cert	1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0	1.43
OREAS 923 (AQUA REGIA) Meas	1.5	< 0.5	4440	851	< 1	33	76	369	3.05	8		83	0.7	27	0.42	21	42	5.76	< 10		0.40	34	1.43
OREAS 923 (AQUA REGIA) Cert	1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0	1.43
Oreas 96 (Aqua Regia) Meas	10.3		> 10000				87	451						93		44							
Oreas 96 (Aqua Regia) Cert	11.50		39100.00				100	448						27.9		49.2							
Oreas 96 (Aqua	10.3		> 10000				85	451						81		45							

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Regia) Meas																							
Oreas 96 (Aqua Regia) Cert	11.50		39100.00				100	448						27.9		49.2							
Oreas 96 (Aqua Regia) Meas	11.6		> 10000				90	466						78		47							
Oreas 96 (Aqua Regia) Cert	11.50		39100.00				100	448						27.9		49.2							
Oreas 621 (Aqua Regia) Meas	66.5	301	3690	525	13	27	> 5000	> 10000	1.86	79			0.6	6	1.68	32	33	3.37	10	3	0.36	20	0.43
Oreas 621 (Aqua Regia) Cert	68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4	0.436
Oreas 621 (Aqua Regia) Meas	67.7	300	3680	532	13	28	> 5000	> 10000	1.87	81			0.6	10	1.71	31	37	3.38	10	3	0.37	19	0.44
Oreas 621 (Aqua Regia) Cert	68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4	0.436
Oreas 621 (Aqua Regia) Meas	67.5	301	3730	534	13	27	> 5000	> 10000	1.90	84			0.6	8	1.70	31	33	3.38	10	3	0.37	19	0.45
Oreas 621 (Aqua Regia) Cert	68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4	0.436
B410001 Orig	0.4	< 0.5	8	437	< 1	35	< 2	57	1.72	5	< 10	275	< 0.5	< 2	2.19	11	46	2.57	< 10	< 1	0.92	21	1.19
B410001 Dup	0.4	< 0.5	7	426	< 1	34	< 2	55	1.68	4	< 10	269	< 0.5	< 2	2.13	11	44	2.49	< 10	< 1	0.89	21	1.15
B410010 Orig	< 0.2	< 0.5	2	61	< 1	< 1	< 2	4	0.09	< 2	< 10	18	< 0.5	< 2	0.02	< 1	8	0.57	< 10	< 1	0.01	< 10	0.01
B410010 Dup	< 0.2	< 0.5	2	60	< 1	< 1	< 2	4	0.09	< 2	< 10	18	< 0.5	< 2	0.02	< 1	8	0.56	< 10	< 1	0.01	< 10	0.01
B410029 Orig	0.4	< 0.5	113	536	< 1	47	< 2	47	3.43	12	< 10	16	< 0.5	< 2	2.79	31	73	4.48	< 10	< 1	0.09	< 10	1.74
B410029 Dup	0.4	< 0.5	115	538	< 1	48	< 2	47	3.46	11	< 10	16	< 0.5	< 2	2.80	32	73	4.51	< 10	< 1	0.10	< 10	1.76
B410044 Orig	0.3	< 0.5	91	511	< 1	56	< 2	43	3.95	7	< 10	42	< 0.5	< 2	3.54	32	70	4.11	< 10	< 1	0.36	< 10	1.61
B410044 Dup	< 0.2	< 0.5	91	515	< 1	56	< 2	44	3.92	7	< 10	43	< 0.5	< 2	3.52	29	70	4.07	< 10	< 1	0.36	< 10	1.60
B410059 Orig	0.4	< 0.5	96	779	4	77	< 2	84	3.14	< 2	< 10	141	< 0.5	< 2	3.72	38	103	6.26	< 10	< 1	0.71	< 10	2.19
B410059 Dup	0.4	< 0.5	94	763	4	78	< 2	84	3.10	< 2	< 10	141	< 0.5	< 2	3.69	37	101	6.16	< 10	< 1	0.70	< 10	2.16
B410068 Orig	< 0.2	< 0.5	78	846	< 1	47	< 2	42	2.42	3	27	18	< 0.5	< 2	1.68	27	20	5.34	< 10	< 1	0.10	33	2.62
B410068 Dup	< 0.2	< 0.5	79	864	< 1	46	< 2	41	2.41	3	28	19	< 0.5	< 2	1.67	30	20	5.39	< 10	< 1	0.10	33	2.65
B410087 Orig	0.2	< 0.5	168	736	< 1	95	< 2	78	2.89	34	< 10	87	< 0.5	< 2	3.19	41	212	5.71	< 10	2	0.35	< 10	2.20
B410087 Dup	0.3	< 0.5	173	767	< 1	97	< 2	79	2.97	33	< 10	89	< 0.5	< 2	3.29	41	217	5.98	< 10	1	0.36	< 10	2.27
B410107 Orig	0.3	0.5	216	813	< 1	114	< 2	75	3.04	21	< 10	98	< 0.5	< 2	3.04	52	162	7.21	< 10	< 1	0.44	< 10	2.29
B410107 Dup	0.2	< 0.5	215	801	1	110	< 2	72	2.97	21	< 10	99	< 0.5	< 2	2.93	53	157	7.12	< 10	< 1	0.44	< 10	2.23
B410122 Orig	0.6	< 0.5	84	339	9	201	6	47	1.91	20	< 10	304	< 0.5	< 2	1.87	35	664	2.70	< 10	< 1	0.96	63	2.29
B410122 Dup	0.6	< 0.5	84	344	9	204	7	49	1.94	23	< 10	261	< 0.5	< 2	1.89	36	677	2.74	< 10	< 1	0.97	64	2.32
B410131 Orig	0.4	< 0.5	186	831	< 1	63	< 2	61	1.94	17	< 10	49	< 0.5	< 2	4.17	35	122	4.92	< 10	< 1	0.20	< 10	1.73
B410131 Dup	0.3	< 0.5	185	823	1	62	< 2	61	1.92	18	< 10	50	< 0.5	< 2	4.15	35	122	4.84	< 10	< 1	0.20	< 10	1.71
B410139 Orig	< 0.2	< 0.5	49	572	< 1	105	< 2	57	1.88	24	< 10	35	< 0.5	< 2	2.06	28	262	3.78	< 10	< 1	0.11	< 10	1.81
B410139 Dup	< 0.2	< 0.5	49	547	< 1	104	< 2	55	1.81	24	< 10	36	< 0.5	< 2	1.95	28	251	3.65	< 10	< 1	0.11	< 10	1.75
B410149 Orig	0.3	< 0.5	120	480	7	196	4	80	2.55	17	< 10	269	< 0.5	< 2	2.21	30	388	3.72	< 10	< 1	0.88	20	2.54
B410149 Dup	0.3	< 0.5	119	493	7	200	6	83	2.59	15	< 10	270	< 0.5	< 2	2.26	30	398	3.76	< 10	< 1	0.89	20	2.58
B410154 Orig	0.9	3.6	70	1120	< 1	38	4	334	0.64	45	< 10	32	< 0.5	< 2	> 10.0	4	76	1.77	< 10	< 1	0.12	< 10	5.34
B410154 Dup	1.0	3.4	63	1090	< 1	36	5	321	0.62	44	< 10	31	< 0.5	2	> 10.0	4	74	1.70	< 10	< 1	0.12	< 10	5.20
B410159 Orig	0.8	< 0.5	101	454	< 1	196	4	47	2.20	9	< 10	170	< 0.5	< 2	2.12	31	450	3.48	< 10	< 1	0.54	< 10	2.54
B410159 Dup	0.8	< 0.5	99	449	< 1	197	3	47	2.19	9	< 10	163	< 0.5	< 2	2.10	33	440	3.53	< 10	< 1	0.54	< 10	2.51
B410165 Orig	0.5	< 0.5	167	487	8	175	< 2	48	1.88	104	< 10	83	< 0.5	< 2	2.32	43	341	3.04	< 10	< 1	0.22	25	1.98
B410165 Dup	0.4	< 0.5	166	483	7	170	< 2	47	1.87	102	< 10	82	< 0.5	< 2	2.30	42	341	3.02	< 10	< 1	0.22	23	1.97
B410169 Orig	0.8	< 0.5	208	877	8	67	< 2	124	2.33	17	< 10	70	< 0.5	< 2	3.33	39	51	6.17	< 10	< 1	0.27	< 10	1.85
B410169 Dup	0.7	< 0.5	207	851	8	70	< 2	121	2.28	15	< 10	69	< 0.5	< 2	3.27	37	50	6.07	< 10	1	0.26	< 10	1.81
B410179 Orig	0.5	< 0.5	194	1080	7	66	< 2	88	3.47	16	< 10	122	< 0.5	< 2	4.41	45	45	8.02	10	1	0.60	< 10	2.73
B410179 Dup	0.5	< 0.5	192	1060	9	63	< 2	86	3.41	14	< 10	119	< 0.5	< 2	4.33	43	43	7.87	10	1	0.59	< 10	2.69

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2		0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B410183 Orig	0.9	< 0.5	326	700	4	48	4	73	1.84	7	< 10	164	< 0.5	< 2	3.11	30	60	5.10	< 10	< 1	0.82	< 10	1.64
B410183 Dup	1.0	< 0.5	314	686	4	47	4	72	1.82	6	< 10	158	< 0.5	< 2	3.07	28	59	4.94	< 10	< 1	0.80	< 10	1.61
B410189 Orig	< 0.2	< 0.5	1	170	1	9	7	22	0.86	7	< 10	58	< 0.5	< 2	0.41	5	5	1.12	< 10	< 1	0.21	12	0.54
B410189 Dup	< 0.2	< 0.5	1	176	< 1	9	7	23	0.89	9	< 10	60	< 0.5	< 2	0.42	6	5	1.15	< 10	< 1	0.22	13	0.55
B410199 Orig	0.2	< 0.5	73	458	2	136	< 2	37	1.89	24	< 10	41	< 0.5	< 2	2.54	35	304	3.39	< 10	< 1	0.16	< 10	1.90
B410199 Dup	0.2	< 0.5	77	464	2	135	< 2	37	1.95	22	< 10	42	< 0.5	< 2	2.58	37	315	3.43	< 10	< 1	0.16	< 10	1.94
B410203 Orig	0.3	< 0.5	91	546	4	187	< 2	35	1.37	27	< 10	13	< 0.5	< 2	2.95	39	281	3.29	< 10	< 1	0.05	< 10	1.87
B410203 Dup	0.3	< 0.5	93	551	5	189	5	35	1.37	29	< 10	12	< 0.5	< 2	2.96	39	281	3.31	< 10	< 1	0.05	< 10	1.88
B410208 Orig	0.9	< 0.5	103	1280	10	168	2	38	1.97	73	< 10	64	< 0.5	< 2	6.69	46	403	5.04	< 10	< 1	0.31	< 10	2.50
B410208 Dup	0.9	< 0.5	107	1310	11	171	3	38	2.04	72	< 10	65	< 0.5	< 2	6.79	47	412	5.23	< 10	< 1	0.32	< 10	2.58
B410214 Orig	0.8	< 0.5	168	520	3	225	5	47	1.14	6	< 10	53	< 0.5	< 2	2.92	49	208	3.48	< 10	< 1	0.11	< 10	1.27
B410214 Dup	0.7	< 0.5	163	521	3	224	4	48	1.14	4	< 10	51	< 0.5	< 2	2.95	49	209	3.39	< 10	< 1	0.11	< 10	1.28
B410221 Orig	0.2	< 0.5	60	381	< 1	173	< 2	44	1.73	7	< 10	190	< 0.5	< 2	2.27	32	473	2.92	< 10	< 1	0.97	70	2.32
B410221 Dup	0.3	< 0.5	59	376	< 1	170	< 2	43	1.69	6	< 10	225	< 0.5	< 2	2.23	29	460	2.86	< 10	< 1	0.96	68	2.27
B410228 Orig	0.6	< 0.5	117	333	7	232	7	54	2.70	120	< 10	328	< 0.5	< 2	1.72	46	420	2.76	< 10	< 1	0.84	38	2.10
B410228 Dup	0.6	< 0.5	114	316	7	228	5	53	2.58	125	< 10	318	< 0.5	< 2	1.63	45	403	2.64	< 10	< 1	0.82	37	2.01
B410233 Orig	0.8	< 0.5	200	823	5	81	< 2	79	6.11	10	< 10	165	0.5	2	3.16	43	132	7.41	10	< 1	2.20	< 10	2.49
B410233 Dup	0.8	< 0.5	205	860	5	87	3	82	6.27	4	< 10	179	0.5	< 2	3.23	44	135	7.51	10	1	2.26	< 10	2.55
B410237 Orig	1.1	< 0.5	110	917	1	63	6	87	3.01	7	< 10	88	< 0.5	< 2	4.22	25	88	5.24	< 10	2	1.59	< 10	2.46
B410237 Dup	1.1	< 0.5	107	902	1	61	6	86	2.94	9	< 10	97	< 0.5	2	4.16	26	86	5.13	< 10	< 1	1.55	< 10	2.41
B410243 Orig	0.5	< 0.5	164	660	21	71	< 2	52	3.65	12	< 10	110	< 0.5	< 2	2.56	40	105	5.74	< 10	< 1	0.63	< 10	1.86
B410243 Dup	0.5	< 0.5	157	651	21	72	< 2	52	3.56	11	< 10	104	< 0.5	< 2	2.51	39	102	5.59	< 10	2	0.61	< 10	1.81
B410249 Orig	1.4	< 0.5	110	1170	< 1	84	< 2	100	3.54	26	< 10	56	< 0.5	< 2	8.06	36	172	6.75	< 10	2	0.93	< 10	4.95
B410249 Dup	1.4	< 0.5	111	1190	< 1	85	< 2	99	3.56	26	< 10	56	< 0.5	< 2	8.12	35	173	6.84	< 10	< 1	0.94	< 10	4.99
B410252 Orig	1.2	< 0.5	166	827	< 1	82	< 2	77	3.08	7	< 10	100	< 0.5	< 2	2.66	45	123	7.17	10	< 1	0.98	< 10	2.48
B410252 Dup	1.2	< 0.5	167	808	< 1	81	< 2	76	3.04	10	< 10	100	< 0.5	< 2	2.61	44	121	7.06	10	< 1	0.96	< 10	2.43
B410259 Orig	0.8	< 0.5	84	557	< 1	131	< 2	49	2.22	8	< 10	91	< 0.5	< 2	2.47	30	295	4.24	< 10	< 1	0.40	< 10	2.26
B410259 Dup	0.7	< 0.5	80	546	< 1	129	< 2	47	2.16	5	< 10	88	< 0.5	< 2	2.42	30	288	4.13	< 10	< 1	0.39	< 10	2.21
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas	0.152	0.033	0.01	2	19	31		< 20	< 1	< 2	< 10	159	< 10	5	11
GXR-6 Cert	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
GXR-6 Meas	0.142	0.033	0.01	4	19	30		< 20	< 1	< 2	< 10	158	< 10	5	10
GXR-6 Cert	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
GXR-6 Meas	0.144	0.033	0.01	< 2	19	30		< 20	< 1	< 2	< 10	156	< 10	5	7
GXR-6 Cert	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
OREAS 98 (Aqua Regia) Meas				18											
OREAS 98 (Aqua Regia) Cert				15											
OREAS 98 (Aqua Regia) Meas				17											
OREAS 98 (Aqua Regia) Cert				15											
OREAS 98 (Aqua Regia) Meas				19											
OREAS 98 (Aqua Regia) Cert				15											
OREAS 922 (AQUA REGIA) Meas	0.034	0.064	0.39	< 2	4	15		< 20		< 2	< 10	34	< 10	21	25
OREAS 922 (AQUA REGIA) Cert	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas	0.033	0.063	0.38	2	4	15		< 20		< 2	< 10	34	< 10	22	27
OREAS 922 (AQUA REGIA) Cert	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas	0.034	0.062	0.38	2	4	15		< 20		< 2	< 10	34	< 10	21	18
OREAS 922 (AQUA REGIA) Cert	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 923 (AQUA REGIA) Meas		0.060	0.69	< 2	4	14		< 20		< 2	< 10	33	< 10	19	31
OREAS 923 (AQUA REGIA) Cert		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 923 (AQUA REGIA) Meas		0.058	0.66	< 2	4	13		< 20		< 2	< 10	33	< 10	19	29
OREAS 923 (AQUA REGIA) Cert		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 923 (AQUA REGIA) Meas		0.059	0.69	< 2	4	13		< 20		< 2	< 10	33	< 10	19	24
OREAS 923 (AQUA REGIA) Cert		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
Oreas 96 (Aqua Regia) Meas			3.88	6											
Oreas 96 (Aqua Regia) Cert			4.38	4.53											
Oreas 96 (Aqua			3.79	6											

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Regia) Meas															
Oreas 96 (Aqua Regia) Cert			4.38	4.53											
Oreas 96 (Aqua Regia) Meas			4.02	5											
Oreas 96 (Aqua Regia) Cert			4.38	4.53											
Oreas 621 (Aqua Regia) Meas	0.176	0.033	4.74	112	2	18		< 20		< 2	< 10	12	< 10	8	69
Oreas 621 (Aqua Regia) Cert	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
Oreas 621 (Aqua Regia) Meas	0.179	0.033	4.75	110	2	17		< 20		< 2	< 10	12	< 10	8	68
Oreas 621 (Aqua Regia) Cert	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
Oreas 621 (Aqua Regia) Meas	0.183	0.033	4.71	111	2	17		< 20		< 2	< 10	12	< 10	8	62
Oreas 621 (Aqua Regia) Cert	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
B410001 Orig	0.127	0.061	0.02	< 2	5	37	0.20	< 20	1	< 2	< 10	49	< 10	5	21
B410001 Dup	0.123	0.059	0.02	< 2	5	37	0.20	< 20	4	< 2	< 10	47	< 10	5	23
B410010 Orig	0.016	0.003	< 0.01	< 2	< 1	2	< 0.01	< 20	< 1	< 2	< 10	2	< 10	1	4
B410010 Dup	0.015	0.003	< 0.01	< 2	< 1	2	< 0.01	< 20	< 1	< 2	< 10	2	< 10	1	4
B410029 Orig	0.416	0.040	0.08	< 2	14	53	0.20	< 20	5	< 2	< 10	111	< 10	9	7
B410029 Dup	0.422	0.040	0.08	< 2	14	53	0.20	< 20	6	< 2	< 10	110	< 10	9	7
B410044 Orig	0.462	0.036	0.29	< 2	12	68	0.17	< 20	< 1	< 2	< 10	98	< 10	9	4
B410044 Dup	0.462	0.036	0.30	< 2	12	68	0.17	< 20	< 1	< 2	< 10	98	< 10	9	4
B410059 Orig	0.301	0.064	0.33	< 2	17	42	0.22	< 20	2	< 2	< 10	143	< 10	10	12
B410059 Dup	0.293	0.065	0.33	< 2	16	41	0.22	< 20	< 1	< 2	< 10	142	< 10	10	11
B410068 Orig	0.201	0.075	0.02	< 2	16	49	0.18	< 20	< 1	< 2	< 10	149	< 10	12	9
B410068 Dup	0.202	0.077	0.02	3	16	49	0.18	< 20	4	< 2	< 10	149	< 10	12	10
B410087 Orig	0.200	0.034	0.27	4	10	46	0.17	< 20	4	< 2	< 10	105	< 10	7	8
B410087 Dup	0.214	0.034	0.27	2	11	48	0.19	< 20	6	< 2	< 10	109	< 10	8	10
B410107 Orig	0.205	0.036	0.48	3	10	34	0.21	< 20	< 1	< 2	< 10	144	< 10	8	11
B410107 Dup	0.194	0.036	0.47	< 2	9	34	0.19	< 20	< 1	< 2	< 10	139	< 10	7	10
B410122 Orig	0.107	0.253	0.38	2	7	71	0.25	< 20	5	< 2	< 10	60	< 10	9	5
B410122 Dup	0.105	0.258	0.37	< 2	7	71	0.25	< 20	2	< 2	< 10	60	< 10	9	5
B410131 Orig	0.209	0.034	0.19	2	7	33	0.20	< 20	2	< 2	< 10	95	< 10	7	9
B410131 Dup	0.208	0.033	0.18	< 2	7	32	0.19	< 20	< 1	< 2	< 10	94	< 10	7	9
B410139 Orig	0.154	0.049	0.05	< 2	6	49	0.21	< 20	< 1	< 2	< 10	73	< 10	7	12
B410139 Dup	0.145	0.049	0.05	< 2	6	44	0.19	< 20	4	< 2	< 10	70	< 10	6	12
B410149 Orig	0.137	0.134	0.28	< 2	7	62	0.24	< 20	2	< 2	< 10	83	< 10	6	18
B410149 Dup	0.138	0.135	0.29	< 2	7	63	0.24	< 20	6	< 2	< 10	85	< 10	6	17
B410154 Orig	0.030	0.025	0.49	< 2	1	115	0.04	< 20	< 1	< 2	< 10	14	< 10	2	5
B410154 Dup	0.028	0.024	0.47	< 2	1	114	0.04	< 20	< 1	< 2	< 10	13	< 10	2	4
B410159 Orig	0.165	0.046	0.51	< 2	7	40	0.17	< 20	< 1	< 2	< 10	72	< 10	5	15
B410159 Dup	0.163	0.046	0.50	< 2	7	39	0.17	< 20	< 1	< 2	< 10	72	< 10	5	15
B410165 Orig	0.139	0.097	0.11	< 2	6	48	0.17	< 20	4	< 2	< 10	63	< 10	6	11
B410165 Dup	0.140	0.095	0.11	< 2	6	48	0.18	< 20	5	< 2	< 10	62	< 10	6	14
B410169 Orig	0.290	0.036	0.23	< 2	12	20	0.24	< 20	8	< 2	< 10	124	< 10	10	12
B410169 Dup	0.284	0.036	0.23	< 2	11	19	0.23	< 20	2	< 2	< 10	122	< 10	10	12
B410179 Orig	0.116	0.039	0.41	2	14	93	0.21	< 20	3	< 2	< 10	158	< 10	11	11
B410179 Dup	0.115	0.039	0.40	< 2	14	90	0.22	< 20	< 1	< 2	< 10	154	< 10	11	13

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B410183 Orig	0.162	0.029	0.07	< 2	8	40	0.23	< 20	3	< 2	< 10	108	< 10	8	15
B410183 Dup	0.158	0.029	0.07	< 2	8	39	0.23	< 20	< 1	< 2	< 10	106	< 10	8	15
B410189 Orig	0.085	0.022	< 0.01	< 2	2	14	0.06	< 20	2	< 2	10	14	< 10	5	27
B410189 Dup	0.088	0.023	< 0.01	< 2	2	15	0.07	< 20	1	< 2	10	14	< 10	5	29
B410199 Orig	0.121	0.018	0.48	< 2	9	111	0.16	< 20	2	< 2	< 10	54	< 10	5	9
B410199 Dup	0.126	0.017	0.48	< 2	10	115	0.17	< 20	2	< 2	< 10	56	< 10	5	9
B410203 Orig	0.076	0.015	0.35	< 2	9	61	0.17	< 20	2	< 2	< 10	60	< 10	5	8
B410203 Dup	0.076	0.016	0.36	< 2	9	61	0.17	< 20	3	< 2	< 10	61	< 10	5	8
B410208 Orig	0.037	0.014	1.06	< 2	14	236	0.11	< 20	4	< 2	< 10	97	< 10	5	9
B410208 Dup	0.040	0.014	1.10	< 2	14	242	0.11	< 20	< 1	< 2	< 10	100	< 10	5	9
B410214 Orig	0.119	0.012	0.90	< 2	8	96	0.15	< 20	2	< 2	< 10	54	13	4	7
B410214 Dup	0.120	0.012	0.89	8	8	96	0.15	< 20	< 1	< 2	< 10	54	13	4	7
B410221 Orig	0.149	0.266	0.33	< 2	7	124	0.25	< 20	3	< 2	< 10	63	< 10	10	5
B410221 Dup	0.147	0.262	0.33	< 2	7	119	0.23	< 20	3	< 2	< 10	62	< 10	10	5
B410228 Orig	0.266	0.144	0.19	< 2	7	140	0.19	< 20	5	< 2	< 10	64	< 10	8	8
B410228 Dup	0.249	0.141	0.18	3	6	134	0.18	< 20	< 1	< 2	< 10	61	< 10	7	9
B410233 Orig	0.350	0.041	0.39	2	15	149	0.34	< 20	3	< 2	< 10	192	< 10	9	8
B410233 Dup	0.358	0.042	0.40	< 2	16	151	0.36	< 20	4	< 2	< 10	197	< 10	9	9
B410237 Orig	0.085	0.038	0.70	< 2	15	50	0.26	< 20	3	< 2	< 10	130	< 10	9	18
B410237 Dup	0.085	0.038	0.70	< 2	15	49	0.25	< 20	< 1	< 2	< 10	127	< 10	8	17
B410243 Orig	0.393	0.051	0.44	< 2	17	72	0.22	< 20	2	< 2	< 10	143	< 10	10	8
B410243 Dup	0.382	0.049	0.42	3	17	71	0.22	< 20	2	< 2	< 10	141	< 10	10	8
B410249 Orig	0.089	0.044	0.53	2	20	107	0.15	< 20	< 1	< 2	< 10	141	< 10	10	9
B410249 Dup	0.090	0.044	0.54	< 2	20	107	0.16	< 20	< 1	< 2	< 10	142	< 10	10	9
B410252 Orig	0.209	0.053	0.67	3	19	36	0.25	< 20	3	< 2	< 10	182	< 10	12	10
B410252 Dup	0.204	0.052	0.65	2	19	35	0.25	< 20	< 1	< 2	< 10	179	< 10	12	10
B410259 Orig	0.210	0.051	0.51	< 2	12	42	0.18	< 20	< 1	< 2	< 10	106	< 10	7	22
B410259 Dup	0.203	0.049	0.49	< 2	12	41	0.17	< 20	2	< 2	< 10	103	< 10	7	18
Method Blank	0.010	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.010	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.009	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.008	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.010	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.009	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1



Report No.: A21-05893-1E3
Report Date: 17-May-21
Date Submitted: 07-Apr-21
Your Reference: LINGMAN LAKE WINTER 2021

SIGNATURE RESOURCES LTD
366 Bay Street, suite 200
Toronto ON M5H 4B2
Canada

ATTN: Robert Vallis

CERTIFICATE OF ANALYSIS

261 Core samples were submitted for analysis.

Table with 2 columns: Analytical package(s) requested, Testing Date. Row 1: 1E3-Tbay, QOP AquaGeo (Aqua Regia ICPOES), 2021-05-07 21:32:08

REPORT A21-05893-1E3

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

Notes:

Values which exceed the upper limit should be assayed for accurate numbers.

Samples B410140, B410150, B410160, 410170, B410180, B410190, B410200, B410210, B410220, B410230, B410240, B410250, B410260 are all insufficient for 1E3.



LABID: 673

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CERTIFIED BY:

Handwritten signature of Emmanuel Eseme

Emmanuel Eseme, Ph.D.
Quality Control Coordinator



## Results

## Activation Laboratories Ltd.

## Report: A21-05893

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2		0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B410001	0.4	< 0.5	8	432	< 1	35	< 2	56	1.70	4	< 10	272	< 0.5	< 2	2.16	11	45	2.53	< 10	< 1	0.90	21	1.17
B410002	0.4	< 0.5	9	399	< 1	35	< 2	57	1.72	6	< 10	263	< 0.5	< 2	1.75	11	44	2.44	< 10	< 1	1.13	21	1.13
B410003	< 0.2	< 0.5	5	423	< 1	36	< 2	60	1.81	6	< 10	300	< 0.5	< 2	1.72	13	46	2.55	< 10	< 1	1.18	22	1.20
B410004	< 0.2	< 0.5	3	411	< 1	36	< 2	58	1.77	7	< 10	312	< 0.5	< 2	1.55	12	48	2.58	< 10	< 1	1.05	23	1.20
B410005	< 0.2	< 0.5	4	431	< 1	36	< 2	58	1.83	4	< 10	263	< 0.5	< 2	1.59	11	47	2.51	< 10	< 1	1.18	21	1.18
B410006	< 0.2	< 0.5	6	438	< 1	35	< 2	57	1.73	4	< 10	155	< 0.5	< 2	1.89	11	43	2.40	< 10	< 1	1.07	22	1.13
B410007	0.6	< 0.5	7	426	< 1	36	< 2	58	1.78	3	< 10	233	< 0.5	< 2	1.63	11	45	2.51	< 10	< 1	1.11	21	1.19
B410008	< 0.2	< 0.5	14	425	< 1	36	< 2	59	1.76	5	< 10	404	< 0.5	< 2	1.65	11	47	2.55	< 10	< 1	1.18	20	1.17
B410009	0.2	< 0.5	40	472	< 1	45	< 2	59	2.35	10	< 10	265	< 0.5	< 2	1.76	17	85	3.05	< 10	< 1	0.83	16	1.46
B410010	< 0.2	< 0.5	2	61	< 1	< 1	< 2	4	0.09	< 2	< 10	18	< 0.5	< 2	0.02	< 1	8	0.57	< 10	< 1	0.01	< 10	0.01
B410011	0.7	< 0.5	134	741	69	25	< 2	64	3.60	13	< 10	49	< 0.5	< 2	2.84	36	11	5.89	< 10	< 1	0.38	< 10	1.92
B410012	0.8	< 0.5	388	718	17	33	< 2	54	4.08	20	< 10	19	< 0.5	< 2	3.18	54	11	6.60	10	2	0.12	< 10	1.83
B410013	0.3	< 0.5	90	731	3	27	< 2	57	4.53	11	< 10	57	< 0.5	< 2	3.55	35	11	5.69	10	1	0.25	< 10	1.83
B410014	0.6	< 0.5	113	661	3	29	2	61	4.16	301	17	65	< 0.5	< 2	2.42	47	13	6.47	10	1	0.55	< 10	2.27
B410015	0.9	< 0.5	150	632	12	24	5	32	2.51	1800	22	30	< 0.5	< 2	2.54	37	9	5.08	< 10	< 1	0.54	< 10	1.60
B410016	0.7	< 0.5	118	714	4	21	5	31	2.57	2560	24	45	< 0.5	< 2	3.45	36	8	4.71	< 10	< 1	0.60	< 10	1.73
B410017	0.3	< 0.5	103	823	3	29	< 2	51	3.73	40	13	46	< 0.5	< 2	3.20	35	12	6.18	10	2	0.44	< 10	1.93
B410018	< 0.2	< 0.5	97	713	20	35	< 2	42	3.05	20	< 10	26	< 0.5	< 2	3.62	35	22	5.32	< 10	< 1	0.21	< 10	1.80
B410019	< 0.2	< 0.5	90	640	69	34	< 2	38	2.53	11	< 10	34	< 0.5	< 2	3.26	26	40	3.99	< 10	< 1	0.15	< 10	1.75
B410020	1.4	< 0.5	128	621	3	160	28	72	3.22	58	19	62	< 0.5	< 2	3.20	30	423	4.37	< 10	< 1	0.20	< 10	3.17
B410021	< 0.2	< 0.5	133	673	71	33	< 2	47	2.45	6	< 10	48	< 0.5	< 2	2.63	28	34	4.50	< 10	< 1	0.22	< 10	1.82
B410022	< 0.2	< 0.5	126	665	133	29	< 2	42	2.17	3	< 10	55	< 0.5	< 2	2.32	29	24	4.43	< 10	< 1	0.28	< 10	1.71
B410023	< 0.2	< 0.5	135	699	24	28	< 2	45	2.23	< 2	< 10	58	< 0.5	< 2	2.54	30	23	4.70	< 10	< 1	0.24	< 10	1.76
B410024	< 0.2	< 0.5	38	477	1	171	< 2	55	2.47	< 2	< 10	220	< 0.5	< 2	3.20	29	324	3.41	< 10	< 1	0.93	65	2.62
B410025	0.4	1.0	135	848	< 1	47	4	156	2.21	< 2	< 10	59	< 0.5	< 2	8.21	24	60	4.42	< 10	< 1	0.39	< 10	4.00
B410026	0.2	< 0.5	96	578	< 1	59	< 2	48	3.38	6	< 10	60	< 0.5	< 2	2.68	35	83	4.98	< 10	< 1	0.42	< 10	1.83
B410027	0.3	< 0.5	98	543	< 1	56	< 2	54	3.76	6	< 10	55	< 0.5	< 2	2.75	31	84	4.87	< 10	1	0.43	< 10	1.90
B410028	0.3	< 0.5	102	548	< 1	51	< 2	81	3.35	8	< 10	21	< 0.5	< 2	2.52	31	81	4.83	< 10	< 1	0.13	< 10	1.96
B410029	0.4	< 0.5	114	537	< 1	48	< 2	47	3.44	11	< 10	16	< 0.5	< 2	2.80	31	73	4.50	< 10	< 1	0.10	< 10	1.75
B410030	< 0.2	< 0.5	1	75	< 1	< 1	< 2	2	0.10	< 2	< 10	15	< 0.5	< 2	0.07	< 1	7	0.56	< 10	< 1	0.01	< 10	0.01
B410031	0.5	< 0.5	209	540	< 1	71	< 2	57	3.82	7	< 10	37	< 0.5	< 2	2.68	37	95	5.08	< 10	3	0.23	< 10	1.94
B410032	0.2	< 0.5	81	550	< 1	53	< 2	45	3.45	12	< 10	16	< 0.5	< 2	2.79	32	74	4.74	< 10	< 1	0.11	< 10	1.82
B410033	< 0.2	< 0.5	35	561	3	50	< 2	42	2.62	11	< 10	13	< 0.5	< 2	2.30	30	73	4.40	< 10	< 1	0.10	< 10	1.79
B410034	< 0.2	< 0.5	36	549	3	43	< 2	41	2.68	12	< 10	13	< 0.5	< 2	2.43	25	67	3.97	< 10	< 1	0.10	< 10	1.71
B410035	< 0.2	< 0.5	73	574	9	65	< 2	48	3.89	16	< 10	28	< 0.5	< 2	3.14	35	83	4.52	< 10	< 1	0.20	< 10	1.78
B410036	< 0.2	< 0.5	62	508	6	62	< 2	47	3.72	17	< 10	37	< 0.5	< 2	2.73	34	80	4.26	< 10	< 1	0.25	< 10	1.75
B410037	< 0.2	< 0.5	104	599	11	70	< 2	75	3.82	7	< 10	87	< 0.5	< 2	2.32	38	90	5.19	< 10	1	0.88	< 10	2.08
B410038	0.4	< 0.5	110	870	6	72	< 2	91	4.62	14	< 10	81	< 0.5	< 2	2.59	29	102	7.87	10	< 1	0.92	< 10	3.07
B410039	0.3	< 0.5	92	602	3	63	< 2	52	4.00	8	< 10	55	< 0.5	< 2	3.13	35	86	4.85	< 10	< 1	0.38	< 10	1.77
B410040	0.3	< 0.5	78	1340	< 1	112	< 2	80	1.91	1080	< 10	61	< 0.5	< 2	1.95	30	47	6.05	< 10	< 1	0.08	13	2.33
B410041	0.3	< 0.5	195	586	< 1	71	< 2	49	3.55	26	< 10	81	< 0.5	< 2	3.09	40	82	4.78	< 10	2	0.56	< 10	1.82
B410042	< 0.2	< 0.5	98	621	17	61	< 2	52	3.22	6	< 10	53	< 0.5	< 2	2.72	35	83	4.68	< 10	< 1	0.38	< 10	1.75
B410043	< 0.2	0.5	71	581	< 1	59	< 2	54	3.65	10	< 10	37	< 0.5	< 2	2.87	34	82	4.58	< 10	< 1	0.31	< 10	1.77
B410044	< 0.2	< 0.5	91	513	< 1	56	< 2	43	3.93	7	< 10	42	< 0.5	< 2	3.53	30	70	4.09	< 10	< 1	0.36	< 10	1.61
B410045	0.3	< 0.5	88	528	26	60	< 2	46	4.57	< 2	< 10	50	< 0.5	< 2	3.40	31	80	4.57	< 10	2	0.44	< 10	1.76
B410046	0.4	< 0.5	125	562	< 1	65	< 2	44	4.48	2	< 10	47	< 0.5	< 2	3.30	33	78	4.82	< 10	2	0.42	< 10	1.75
B410047	0.5	< 0.5	69	951	< 1	52	< 2	41	3.01	4	< 10	65	< 0.5	< 2	7.60	24	70	5.28	< 10	< 1	0.79	< 10	4.99
B410048	1.4	< 0.5	118	832	< 1	79	3	69	3.49	10	< 10	68	< 0.5	2	3.78	36	104	6.30	< 10	< 1	1.32	< 10	2.49
B410049	0.8	< 0.5	111	1240	< 1	66	< 2	51	3.62	19	< 10	65	< 0.5	3	7.63	39	87	6.84	< 10	< 1	1.70	< 10	4.26
B410050	< 0.2	< 0.5	1	82	< 1	1	< 2	4	0.10	< 2	< 10	18	< 0.5	< 2	0.03	< 1	8	0.65	< 10	< 1	0.02	< 10	0.02
B410051	0.4	< 0.5	97	1030	< 1	72	< 2	48	4.48	< 2	< 10	75	< 0.5	4	4.82	35	105	7.19	< 10	< 1	1.24	< 10	2.85

## Results

## Activation Laboratories Ltd.

## Report: A21-05893

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2		0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B410052	0.6	< 0.5	167	1360	2	79	< 2	41	4.50	< 2	< 10	65	0.5	3	5.81	40	99	6.98	10	< 1	1.65	< 10	2.85
B410053	0.5	< 0.5	141	915	2	67	< 2	39	3.76	4	< 10	56	< 0.5	< 2	5.14	42	95	6.32	10	1	1.61	< 10	3.15
B410054	1.1	< 0.5	155	685	< 1	86	< 2	35	2.83	12	10	147	< 0.5	< 2	5.72	33	168	5.29	< 10	< 1	0.91	23	2.90
B410055	0.3	< 0.5	86	595	2	57	< 2	46	2.44	< 2	< 10	80	< 0.5	< 2	2.43	30	89	4.91	< 10	< 1	0.44	< 10	1.81
B410056	0.4	< 0.5	115	619	< 1	64	< 2	50	2.79	< 2	< 10	106	< 0.5	< 2	2.49	34	95	5.35	< 10	< 1	0.55	< 10	1.88
B410057	0.6	< 0.5	115	827	5	70	< 2	59	2.70	< 2	< 10	71	< 0.5	< 2	4.34	34	97	5.83	< 10	1	0.59	< 10	2.20
B410058	0.6	< 0.5	114	669	< 1	85	< 2	61	2.79	2	< 10	99	< 0.5	< 2	3.00	40	111	6.21	< 10	2	0.98	< 10	2.16
B410059	0.4	< 0.5	95	771	4	78	< 2	84	3.12	< 2	< 10	141	< 0.5	< 2	3.71	37	102	6.21	< 10	< 1	0.71	< 10	2.18
B410060	< 0.2	< 0.5	49	567	< 1	120	9	98	2.22	12	< 10	97	0.7	< 2	1.23	34	59	5.00	< 10	< 1	0.13	16	1.71
B410061	< 0.2	< 0.5	29	418	< 1	157	< 2	47	1.68	36	10	356	< 0.5	< 2	2.81	24	308	2.55	< 10	< 1	0.30	78	2.14
B410062	0.6	< 0.5	139	542	< 1	105	< 2	52	2.05	17	< 10	129	< 0.5	< 2	2.23	36	129	4.31	< 10	< 1	0.19	25	1.95
B410063	0.5	< 0.5	95	584	8	96	< 2	51	2.06	12	< 10	67	< 0.5	< 2	2.34	34	123	4.41	< 10	< 1	0.13	22	1.91
B410064	0.5	< 0.5	81	528	1	127	2	58	2.04	12	< 10	125	< 0.5	< 2	2.49	35	282	3.95	< 10	< 1	0.18	40	2.21
B410065	< 0.2	< 0.5	6	520	< 1	226	< 2	55	2.64	6	17	81	< 0.5	< 2	2.11	28	710	3.80	< 10	< 1	0.20	48	3.55
B410066	< 0.2	< 0.5	66	570	< 1	95	< 2	51	2.06	6	10	39	< 0.5	< 2	2.49	24	309	3.62	< 10	< 1	0.09	38	2.23
B410067	< 0.2	< 0.5	108	628	< 1	22	< 2	39	1.96	3	< 10	26	< 0.5	< 2	2.02	27	14	5.19	< 10	< 1	0.13	11	1.71
B410068	< 0.2	< 0.5	78	855	< 1	46	< 2	41	2.41	3	27	18	< 0.5	< 2	1.67	28	20	5.36	< 10	< 1	0.10	33	2.64
B410069	< 0.2	< 0.5	91	763	10	23	< 2	54	2.20	10	< 10	15	< 0.5	< 2	2.18	31	13	5.19	< 10	< 1	0.08	< 10	1.81
B410070	< 0.2	< 0.5	4	56	< 1	< 1	< 2	5	0.07	< 2	< 10	13	< 0.5	< 2	< 0.01	< 1	5	0.48	< 10	< 1	0.01	< 10	< 0.01
B410071	< 0.2	< 0.5	91	826	10	33	< 2	59	2.56	10	19	17	< 0.5	< 2	2.04	33	13	6.22	< 10	2	0.07	< 10	2.21
B410072	0.3	< 0.5	151	803	2	37	< 2	61	3.37	39	18	19	< 0.5	< 2	1.82	43	13	6.98	10	< 1	0.08	< 10	2.80
B410073	1.0	< 0.5	185	807	6	35	2	56	3.56	36	15	21	< 0.5	< 2	2.13	44	14	7.54	10	< 1	0.10	< 10	2.70
B410074	3.2	< 0.5	184	510	4	31	10	34	2.80	4360	20	27	< 0.5	< 2	1.14	44	11	8.11	10	< 1	0.22	< 10	2.73
B410075	2.1	< 0.5	137	563	19	32	28	75	2.41	2740	< 10	29	< 0.5	< 2	1.08	41	18	6.49	< 10	< 1	0.25	< 10	2.08
B410076	2.3	3.1	35	387	767	36	29	376	1.18	112	12	25	< 0.5	< 2	1.62	21	46	2.32	< 10	< 1	0.09	< 10	1.18
B410077	< 0.2	< 0.5	5	167	658	11	< 2	12	0.52	3	< 10	10	< 0.5	< 2	0.63	5	24	1.08	< 10	< 1	0.04	< 10	0.41
B410078	< 0.2	< 0.5	5	169	731	12	< 2	12	0.58	4	< 10	< 10	< 0.5	< 2	0.71	7	24	1.12	< 10	< 1	0.03	< 10	0.45
B410079	< 0.2	< 0.5	4	114	9	3	< 2	7	0.23	< 2	< 10	< 10	< 0.5	< 2	0.40	2	6	0.83	< 10	< 1	0.02	< 10	0.21
B410080	1.5	< 0.5	130	618	3	158	27	71	3.19	57	18	60	< 0.5	< 2	3.16	31	424	4.38	< 10	< 1	0.20	< 10	3.15
B410081	< 0.2	< 0.5	9	154	36	6	< 2	12	0.44	< 2	< 10	15	< 0.5	< 2	0.61	5	9	1.16	< 10	< 1	0.06	< 10	0.35
B410082	< 0.2	< 0.5	39	378	25	15	< 2	22	1.02	< 2	< 10	23	< 0.5	< 2	1.73	13	12	2.67	< 10	< 1	0.14	< 10	0.91
B410083	< 0.2	< 0.5	88	545	14	19	< 2	31	1.52	< 2	< 10	17	< 0.5	< 2	2.70	19	11	4.29	< 10	< 1	0.11	< 10	1.25
B410084	< 0.2	< 0.5	131	487	18	19	< 2	30	1.32	< 2	< 10	14	< 0.5	< 2	1.97	22	12	5.00	< 10	< 1	0.10	< 10	1.18
B410085	< 0.2	< 0.5	45	596	6	23	< 2	39	1.62	2	< 10	25	< 0.5	< 2	2.36	23	16	4.67	< 10	< 1	0.22	< 10	1.57
B410086	0.2	< 0.5	195	945	< 1	79	11	69	2.47	7	< 10	124	< 0.5	< 2	5.54	37	108	5.12	< 10	< 1	0.67	< 10	1.90
B410087	0.3	< 0.5	170	752	< 1	96	< 2	79	2.93	34	< 10	88	< 0.5	< 2	3.24	41	214	5.85	< 10	1	0.36	< 10	2.23
B410088	< 0.2	< 0.5	195	793	5	72	< 2	73	2.85	29	< 10	40	< 0.5	< 2	3.49	37	168	6.04	< 10	1	0.18	< 10	2.29
B410089	0.2	< 0.5	224	720	20	69	< 2	68	2.60	32	< 10	78	< 0.5	< 2	3.29	38	153	5.44	< 10	2	0.30	< 10	2.03
B410090	< 0.2	< 0.5	5	59	< 1	1	< 2	6	0.08	< 2	< 10	18	< 0.5	< 2	0.02	< 1	5	0.52	< 10	< 1	0.01	< 10	0.01
B410091	0.2	< 0.5	162	726	1	80	< 2	90	3.30	41	< 10	94	< 0.5	< 2	2.73	45	168	6.23	< 10	1	0.36	< 10	2.91
B410092	< 0.2	< 0.5	173	767	2	78	< 2	93	3.39	50	< 10	80	< 0.5	< 2	3.03	43	166	6.31	< 10	< 1	0.34	< 10	2.92
B410093	< 0.2	< 0.5	170	784	< 1	72	< 2	83	2.85	33	< 10	55	< 0.5	< 2	3.53	38	159	6.12	< 10	2	0.19	< 10	2.38
B410094	0.3	< 0.5	204	773	< 1	83	< 2	88	3.15	38	< 10	40	< 0.5	< 2	3.04	38	211	6.14	< 10	< 1	0.16	< 10	2.54
B410095	0.5	0.8	330	793	1	199	3	180	4.83	95	< 10	18	< 0.5	< 2	0.41	58	468	10.4	10	< 1	0.05	< 10	3.46
B410096	0.4	< 0.5	248	814	< 1	193	7	148	4.79	114	< 10	19	< 0.5	< 2	0.82	71	458	9.87	10	< 1	0.06	< 10	3.49
B410097	0.4	< 0.5	141	914	2	134	6	93	3.12	75	< 10	12	< 0.5	< 2	4.52	44	306	7.27	< 10	2	0.03	14	3.46
B410098	0.3	< 0.5	164	751	< 1	121	< 2	85	2.92	58	< 10	37	< 0.5	< 2	2.74	48	285	5.87	< 10	< 1	0.15	< 10	2.47
B410099	0.3	< 0.5	191	966	< 1	89	3	71	2.55	12	< 10	57	< 0.5	< 2	5.16	34	177	5.79	< 10	< 1	0.40	< 10	2.20
B410100	0.3	< 0.5	78	1340	< 1	115	2	79	1.90	1110	< 10	66	< 0.5	< 2	1.92	28	45	6.09	< 10	< 1	0.08	13	2.33
B410101	0.2	< 0.5	186	769	< 1	87	< 2	83	2.29	14	< 10	63	< 0.5	< 2	3.36	36	138	5.46	< 10	< 1	0.30	< 10	1.90
B410102	0.4	< 0.5	282	831	< 1	70	< 2	128	2.22	6	< 10	74	< 0.5	< 2	3.54	42	50	6.57	< 10	1	0.60	< 10	1.79

## Results

## Activation Laboratories Ltd.

Report: A21-05893

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2		0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B410103	0.5	< 0.5	386	837	< 1	80	< 2	100	2.50	12	< 10	72	< 0.5	< 2	3.00	36	121	7.03	< 10	< 1	0.44	< 10	1.91
B410104	0.2	< 0.5	161	827	< 1	83	< 2	61	2.35	22	< 10	136	< 0.5	< 2	4.08	40	140	4.98	< 10	< 1	0.54	< 10	1.93
B410105	0.2	< 0.5	114	687	< 1	168	< 2	64	2.33	101	< 10	137	< 0.5	< 2	3.09	58	266	4.83	< 10	< 1	0.58	23	2.10
B410106	0.3	< 0.5	193	967	< 1	102	< 2	65	2.75	22	< 10	71	< 0.5	< 2	4.96	46	162	7.05	< 10	< 1	0.42	< 10	2.24
B410107	0.3	< 0.5	215	807	< 1	112	< 2	73	3.00	21	< 10	98	< 0.5	< 2	2.99	53	159	7.16	< 10	< 1	0.44	< 10	2.26
B410108	0.3	< 0.5	291	889	< 1	91	< 2	73	2.38	7	< 10	46	< 0.5	< 2	4.41	36	124	5.62	< 10	< 1	0.18	< 10	2.04
B410109	< 0.2	< 0.5	271	741	< 1	93	< 2	71	2.13	< 2	< 10	67	< 0.5	< 2	3.09	40	110	5.53	< 10	< 1	0.24	< 10	1.79
B410110	< 0.2	< 0.5	7	53	< 1	< 1	< 2	8	0.08	< 2	< 10	16	< 0.5	< 2	0.01	< 1	5	0.44	< 10	< 1	0.01	< 10	0.01
B410111	0.4	< 0.5	402	700	< 1	102	< 2	65	2.12	3	< 10	65	< 0.5	< 2	3.08	43	140	6.02	< 10	< 1	0.58	< 10	1.76
B410112	0.4	< 0.5	266	843	< 1	96	< 2	72	2.45	10	< 10	85	< 0.5	< 2	3.81	39	129	6.09	< 10	< 1	0.31	< 10	2.07
B410113	0.4	< 0.5	180	855	< 1	80	< 2	74	2.23	56	< 10	198	< 0.5	< 2	4.20	41	175	5.32	< 10	< 1	0.92	< 10	1.82
B410114	0.5	< 0.5	142	828	< 1	94	< 2	75	2.13	117	< 10	155	< 0.5	< 2	3.95	45	188	5.52	< 10	< 1	1.09	< 10	1.85
B410115	0.3	< 0.5	196	795	3	137	< 2	55	1.78	90	< 10	64	< 0.5	< 2	5.05	37	245	4.76	< 10	< 1	0.24	< 10	1.84
B410116	0.4	< 0.5	221	729	< 1	114	3	59	1.83	55	< 10	74	< 0.5	< 2	3.87	42	205	5.42	< 10	< 1	0.30	10	1.86
B410117	0.5	< 0.5	276	689	< 1	50	2	46	1.63	20	< 10	49	< 0.5	< 2	2.65	46	7	5.97	< 10	< 1	0.20	< 10	1.43
B410118	0.3	< 0.5	273	805	< 1	107	< 2	49	1.75	50	< 10	61	< 0.5	< 2	4.63	36	170	4.56	< 10	< 1	0.24	< 10	1.81
B410119	0.3	< 0.5	201	726	< 1	59	< 2	53	1.52	48	< 10	13	< 0.5	< 2	3.24	42	96	4.89	< 10	< 1	0.08	< 10	1.45
B410120	< 0.2	< 0.5	51	581	< 1	128	10	99	2.26	12	< 10	100	0.7	< 2	1.24	35	60	5.15	< 10	< 1	0.14	17	1.77
B410121	1.1	< 0.5	114	336	11	173	< 2	44	1.52	6	< 10	268	< 0.5	< 2	1.89	27	494	2.45	< 10	< 1	0.60	62	1.84
B410122	0.6	< 0.5	84	341	9	203	6	48	1.92	22	< 10	283	< 0.5	< 2	1.88	36	671	2.72	< 10	< 1	0.96	64	2.30
B410123	4.7	< 0.5	143	487	11	181	7	70	1.95	95	< 10	182	< 0.5	< 2	3.92	29	363	2.66	< 10	< 1	0.46	20	3.14
B410124	0.2	< 0.5	36	262	< 1	152	< 2	28	1.52	9	< 10	214	< 0.5	< 2	0.97	22	461	1.97	< 10	< 1	0.49	< 10	1.76
B410125	0.8	< 0.5	141	345	3	161	2	69	2.47	4	< 10	186	< 0.5	< 2	0.51	34	487	3.51	< 10	< 1	0.59	10	2.72
B410126	0.3	< 0.5	210	718	2	56	< 2	55	1.54	36	< 10	11	< 0.5	< 2	3.18	36	111	4.81	< 10	< 1	0.07	< 10	1.49
B410127	0.4	< 0.5	275	667	< 1	60	< 2	52	1.50	32	< 10	14	< 0.5	< 2	3.02	37	118	4.68	< 10	< 1	0.07	< 10	1.44
B410128	0.3	< 0.5	242	659	4	60	< 2	51	1.33	34	< 10	15	< 0.5	< 2	2.69	34	136	4.57	< 10	< 1	0.07	< 10	1.45
B410129	0.9	< 0.5	501	738	2	88	< 2	57	1.77	48	< 10	131	< 0.5	< 2	3.77	40	317	4.33	< 10	< 1	0.41	< 10	1.80
B410130	< 0.2	< 0.5	3	61	< 1	1	< 2	4	0.06	< 2	< 10	14	< 0.5	< 2	< 0.01	< 1	4	0.49	< 10	< 1	0.01	< 10	< 0.01
B410131	0.4	< 0.5	185	827	< 1	62	< 2	61	1.93	17	< 10	49	< 0.5	< 2	4.16	35	122	4.88	< 10	< 1	0.20	< 10	1.72
B410132	0.4	< 0.5	249	660	2	58	< 2	51	1.54	10	< 10	96	< 0.5	< 2	2.59	34	100	5.09	< 10	< 1	0.23	< 10	1.37
B410133	0.4	< 0.5	171	713	< 1	69	< 2	56	1.73	20	< 10	109	< 0.5	< 2	2.99	33	167	5.14	< 10	< 1	0.34	< 10	1.64
B410134	0.4	0.6	335	748	< 1	66	< 2	55	1.62	9	< 10	68	< 0.5	< 2	3.46	41	117	5.02	< 10	< 1	0.19	< 10	1.39
B410135	< 0.2	< 0.5	195	748	< 1	51	< 2	62	2.27	11	< 10	49	< 0.5	< 2	2.62	36	86	5.68	< 10	< 1	0.16	< 10	1.94
B410136	0.5	< 0.5	376	733	< 1	55	< 2	61	2.18	14	< 10	17	< 0.5	< 2	2.53	40	64	5.62	< 10	< 1	0.07	< 10	1.80
B410137	0.7	< 0.5	331	789	< 1	43	< 2	59	1.71	13	< 10	11	< 0.5	< 2	2.90	33	47	5.84	< 10	< 1	0.05	< 10	1.42
B410138	0.6	< 0.5	299	775	< 1	42	< 2	64	1.65	11	< 10	13	< 0.5	< 2	2.80	31	31	6.36	< 10	< 1	0.06	< 10	1.30
B410139	< 0.2	< 0.5	49	560	< 1	104	< 2	56	1.85	24	< 10	35	< 0.5	< 2	2.01	28	256	3.72	< 10	< 1	0.11	< 10	1.78
B410141	0.6	< 0.5	521	688	< 1	52	< 2	65	1.92	8	< 10	26	< 0.5	< 2	2.52	45	29	6.14	< 10	< 1	0.09	< 10	1.43
B410142	0.2	< 0.5	236	736	< 1	54	< 2	59	1.84	6	< 10	14	< 0.5	< 2	2.86	35	37	5.76	< 10	2	0.06	< 10	1.40
B410143	0.2	< 0.5	288	673	< 1	51	< 2	54	1.84	8	< 10	81	< 0.5	< 2	2.78	39	36	5.61	< 10	< 1	0.26	< 10	1.50
B410144	0.3	< 0.5	259	551	< 1	174	< 2	105	2.55	94	< 10	58	< 0.5	< 2	1.72	63	236	6.01	< 10	< 1	0.84	12	2.24
B410145	1.3	0.5	356	594	< 1	164	< 2	126	3.09	64	< 10	109	< 0.5	< 2	1.96	59	256	5.53	< 10	1	0.91	11	2.97
B410146	0.4	< 0.5	343	777	< 1	67	< 2	53	1.89	8	< 10	< 10	< 0.5	< 2	3.45	40	60	5.47	< 10	< 1	0.06	< 10	1.56
B410147	0.9	< 0.5	445	586	2	88	< 2	70	2.61	21	< 10	109	< 0.5	< 2	2.13	38	137	5.17	< 10	< 1	0.46	< 10	2.39
B410148	0.3	< 0.5	124	607	< 1	160	< 2	85	3.34	14	< 10	326	< 0.5	< 2	3.53	33	338	4.53	< 10	< 1	1.17	24	2.98
B410149	0.3	< 0.5	120	487	7	198	5	81	2.57	16	< 10	269	< 0.5	< 2	2.23	30	393	3.74	< 10	< 1	0.88	20	2.56
B410150																							
B410151	0.9	< 0.5	689	455	4	84	3	66	1.88	7	< 10	55	< 0.5	< 2	1.54	87	75	5.84	< 10	< 1	0.42	10	1.87
B410152	0.4	< 0.5	38	447	< 1	247	< 2	87	2.83	23	< 10	324	< 0.5	< 2	1.63	34	599	3.89	< 10	< 1	1.11	26	3.01
B410153	0.8	< 0.5	104	490	< 1	305	2	109	3.20	29	< 10	401	< 0.5	< 2	2.64	41	633	3.78	< 10	< 1	1.40	23	3.45
B410154	1.0	3.5	66	1100	< 1	37	4	328	0.63	44	< 10	31	< 0.5	< 2	> 10.0	4	75	1.73	< 10	< 1	0.12	< 10	5.27

## Results

## Activation Laboratories Ltd.

Report: A21-05893

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2		0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B410155	0.3	< 0.5	84	564	< 1	310	5	158	2.34	27	< 10	148	< 0.5	< 2	4.66	32	524	3.29	< 10	< 1	0.73	24	3.84
B410156	0.4	< 0.5	58	550	< 1	328	3	202	2.84	32	< 10	141	< 0.5	< 2	3.79	39	613	3.64	< 10	< 1	0.82	25	3.95
B410157	0.6	< 0.5	30	501	< 1	345	3	142	3.03	20	< 10	401	< 0.5	< 2	3.05	39	715	3.47	< 10	< 1	1.29	19	3.61
B410158	1.3	0.7	190	932	2	53	2	33	1.10	12	< 10	68	< 0.5	< 2	9.85	26	33	2.97	< 10	< 1	0.20	14	2.35
B410159	0.8	< 0.5	100	452	< 1	196	3	47	2.19	9	< 10	167	< 0.5	< 2	2.11	32	445	3.50	< 10	< 1	0.54	< 10	2.53
B410161	< 0.2	< 0.5	55	428	< 1	180	< 2	48	2.17	11	< 10	177	< 0.5	< 2	1.45	25	472	2.89	< 10	< 1	0.45	10	2.46
B410162	0.9	< 0.5	90	325	2	103	< 2	39	1.88	15	< 10	239	< 0.5	< 2	0.78	34	224	3.55	< 10	< 1	0.91	11	1.83
B410163	< 0.2	< 0.5	226	407	< 1	154	< 2	45	1.88	30	< 10	86	< 0.5	< 2	1.33	27	427	2.82	< 10	< 1	0.27	10	2.25
B410164	< 0.2	< 0.5	64	474	< 1	195	9	49	2.29	28	< 10	114	< 0.5	< 2	2.12	29	478	3.19	< 10	< 1	0.38	21	2.51
B410165	0.5	< 0.5	167	485	7	172	< 2	47	1.87	103	< 10	83	< 0.5	< 2	2.31	42	341	3.03	< 10	< 1	0.22	24	1.97
B410166	0.6	< 0.5	219	555	20	138	< 2	52	2.10	40	< 10	148	< 0.5	< 2	1.90	47	177	4.91	< 10	< 1	0.47	< 10	2.01
B410167	0.6	< 0.5	160	580	8	123	4	55	1.87	24	< 10	28	< 0.5	< 2	2.33	29	136	4.17	< 10	< 1	0.09	< 10	1.94
B410168	1.2	< 0.5	425	791	24	106	< 2	115	2.42	9	< 10	116	< 0.5	< 2	2.70	46	61	6.62	< 10	< 1	0.43	< 10	2.00
B410169	0.8	< 0.5	208	864	8	68	< 2	122	2.30	16	< 10	69	< 0.5	< 2	3.30	38	51	6.12	< 10	< 1	0.27	< 10	1.83
B410171	0.3	< 0.5	135	913	3	60	< 2	91	2.63	15	< 10	133	< 0.5	< 2	3.46	38	65	6.92	< 10	< 1	0.67	< 10	2.07
B410172	0.6	< 0.5	225	787	6	53	< 2	75	2.12	28	< 10	83	< 0.5	< 2	3.02	40	43	5.93	< 10	2	0.41	< 10	1.61
B410173	0.7	< 0.5	219	769	< 1	41	< 2	57	1.72	24	< 10	17	< 0.5	< 2	2.90	38	37	5.20	< 10	< 1	0.11	< 10	1.43
B410174	0.8	< 0.5	338	758	< 1	46	< 2	54	1.65	18	< 10	12	< 0.5	< 2	2.89	37	41	4.90	< 10	< 1	0.08	< 10	1.40
B410175	0.5	< 0.5	304	739	< 1	51	< 2	56	1.89	24	< 10	28	< 0.5	< 2	2.98	33	50	5.19	< 10	< 1	0.12	< 10	1.56
B410176	0.6	< 0.5	233	790	< 1	49	< 2	61	1.98	24	< 10	40	< 0.5	< 2	3.09	34	53	5.38	< 10	< 1	0.16	< 10	1.63
B410177	0.5	< 0.5	251	805	< 1	52	< 2	68	2.17	24	< 10	130	< 0.5	< 2	3.28	36	55	5.59	< 10	< 1	0.53	< 10	1.70
B410178	0.7	< 0.5	198	813	< 1	54	< 2	74	2.43	14	< 10	83	< 0.5	< 2	3.08	35	56	6.06	< 10	2	0.34	< 10	1.86
B410179	0.5	< 0.5	193	1070	8	65	< 2	87	3.44	15	< 10	120	< 0.5	< 2	4.37	44	44	7.95	10	1	0.59	< 10	2.71
B410181	0.5	< 0.5	272	655	8	40	< 2	72	1.92	11	< 10	100	< 0.5	< 2	2.10	32	26	5.72	< 10	< 1	0.38	< 10	1.62
B410182	0.5	< 0.5	183	771	7	52	< 2	71	1.96	9	< 10	236	< 0.5	< 2	3.26	32	62	6.03	< 10	1	0.98	< 10	1.66
B410183	1.0	< 0.5	320	693	4	47	4	72	1.83	6	< 10	161	< 0.5	< 2	3.09	29	60	5.02	< 10	< 1	0.81	< 10	1.62
B410184	0.7	< 0.5	137	854	3	95	< 2	83	2.43	21	< 10	271	< 0.5	< 2	4.24	38	271	5.13	< 10	< 1	1.28	< 10	2.27
B410185	0.5	< 0.5	123	795	2	153	< 2	65	2.71	69	< 10	75	< 0.5	< 2	2.70	57	317	6.07	< 10	1	0.40	< 10	2.12
B410186	0.3	< 0.5	88	912	1	105	< 2	47	2.02	47	< 10	94	< 0.5	< 2	4.85	41	306	4.24	< 10	< 1	0.30	< 10	2.05
B410187	0.3	< 0.5	51	748	4	92	< 2	48	2.53	45	< 10	135	< 0.5	< 2	4.07	35	240	3.53	< 10	< 1	0.69	11	1.95
B410188	< 0.2	< 0.5	3	325	3	73	2	44	2.42	36	< 10	150	< 0.5	< 2	0.84	15	184	2.01	< 10	< 1	1.11	30	1.57
B410189	< 0.2	< 0.5	1	173	< 1	9	7	23	0.88	8	< 10	59	< 0.5	< 2	0.41	6	5	1.13	< 10	< 1	0.22	13	0.54
B410191	0.3	< 0.5	64	605	4	75	7	47	1.73	7	< 10	78	< 0.5	< 2	2.98	24	174	3.08	< 10	< 1	0.47	< 10	1.65
B410192	0.2	< 0.5	73	795	17	96	< 2	50	1.96	3	< 10	143	< 0.5	< 2	4.41	28	282	3.99	< 10	< 1	1.14	< 10	2.13
B410193	< 0.2	< 0.5	37	748	34	84	< 2	48	1.30	4	< 10	141	< 0.5	< 2	3.91	24	376	4.05	< 10	< 1	0.73	< 10	1.73
B410194	< 0.2	< 0.5	111	533	< 1	174	< 2	40	1.94	14	< 10	439	< 0.5	< 2	3.33	29	602	3.30	< 10	< 1	1.43	63	2.53
B410195	< 0.2	< 0.5	35	596	< 1	171	< 2	40	1.93	18	< 10	123	< 0.5	< 2	3.95	32	579	3.31	< 10	< 1	1.32	57	2.81
B410196	< 0.2	< 0.5	33	516	< 1	182	< 2	43	2.04	17	< 10	118	< 0.5	< 2	3.28	31	597	3.36	< 10	< 1	1.38	53	2.93
B410197	1.5	< 0.5	86	716	5	148	3	38	1.34	165	< 10	59	< 0.5	< 2	4.96	51	344	4.03	< 10	< 1	0.20	< 10	1.74
B410198	0.2	< 0.5	53	576	10	140	< 2	22	1.06	8	< 10	12	< 0.5	< 2	4.36	37	256	2.68	< 10	< 1	0.05	< 10	1.26
B410199	0.2	< 0.5	75	461	2	135	< 2	37	1.92	23	< 10	41	< 0.5	< 2	2.56	36	309	3.41	< 10	< 1	0.16	< 10	1.92
B410201	0.3	< 0.5	104	601	5	180	4	38	1.91	28	< 10	66	< 0.5	< 2	4.00	52	444	4.56	< 10	< 1	0.32	< 10	1.98
B410202	< 0.2	< 0.5	83	563	2	153	< 2	33	1.14	5	< 10	25	< 0.5	< 2	3.66	37	328	3.06	< 10	< 1	0.08	< 10	1.74
B410203	0.3	< 0.5	92	549	4	188	< 2	35	1.37	28	< 10	13	< 0.5	< 2	2.96	39	281	3.30	< 10	< 1	0.05	< 10	1.88
B410204	0.4	< 0.5	111	660	2	240	5	34	1.44	13	< 10	51	< 0.5	< 2	4.45	47	261	3.37	< 10	< 1	0.14	18	1.86
B410205	0.4	< 0.5	114	713	2	179	< 2	34	1.44	9	< 10	91	< 0.5	< 2	4.40	36	273	3.31	< 10	< 1	0.19	21	1.78
B410206	0.8	< 0.5	166	521	17	228	6	51	1.70	29	< 10	215	< 0.5	< 2	2.89	47	302	3.27	< 10	< 1	0.57	43	1.89
B410207	0.8	< 0.5	170	583	75	223	4	54	1.79	22	< 10	148	< 0.5	< 2	2.54	43	287	3.51	< 10	< 1	0.76	35	1.93
B410208	0.9	< 0.5	105	1290	10	170	3	38	2.01	72	< 10	65	< 0.5	< 2	6.74	47	407	5.13	< 10	< 1	0.32	< 10	2.54
B410209	0.4	< 0.5	41	903	2	163	< 2	25	1.41	5	< 10	87	< 0.5	< 2	4.48	34	303	3.64	< 10	< 1	0.44	< 10	1.51
B410211	0.4	< 0.5	42	1270	2	236	5	20	0.90	2	< 10	29	< 0.5	< 2	6.61	37	171	3.02	< 10	< 1	0.10	< 10	1.35

## Results

## Activation Laboratories Ltd.

Report: A21-05893

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2		0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B410212	0.6	< 0.5	71	997	< 1	225	3	26	1.47	< 2	< 10	69	< 0.5	< 2	5.99	50	326	4.06	< 10	< 1	0.19	< 10	1.65
B410213	0.7	< 0.5	113	562	< 1	230	8	33	1.86	3	< 10	41	< 0.5	< 2	3.17	46	256	3.81	< 10	< 1	0.11	< 10	1.63
B410214	0.8	< 0.5	165	520	3	225	4	48	1.14	5	< 10	52	< 0.5	< 2	2.93	49	209	3.44	< 10	< 1	0.11	< 10	1.27
B410215	1.7	< 0.5	120	460	33	80	7	58	1.25	5	< 10	11	< 0.5	< 2	1.03	25	89	3.24	< 10	< 1	0.03	< 10	1.17
B410216	1.3	< 0.5	145	491	50	104	7	70	1.43	5	< 10	13	< 0.5	< 2	0.91	32	103	3.75	< 10	< 1	0.03	< 10	1.33
B410217	3.7	< 0.5	251	521	52	180	21	71	1.57	11	< 10	42	< 0.5	< 2	1.33	51	283	4.20	< 10	< 1	0.10	26	1.77
B410218	0.7	< 0.5	171	394	21	231	10	65	1.78	8	< 10	209	< 0.5	< 2	1.98	40	636	3.02	< 10	< 1	0.65	81	2.53
B410219	< 0.2	0.6	21	372	< 1	207	6	53	1.99	8	< 10	299	< 0.5	< 2	2.02	33	732	2.77	< 10	< 1	1.19	85	2.80
B410221	0.3	< 0.5	59	379	< 1	171	< 2	43	1.71	6	< 10	208	< 0.5	< 2	2.25	31	466	2.89	< 10	< 1	0.96	69	2.29
B410222	0.4	< 0.5	62	308	1	53	2	59	1.37	< 2	< 10	347	< 0.5	< 2	0.98	15	82	2.34	< 10	< 1	0.62	26	1.18
B410223	< 0.2	< 0.5	12	323	< 1	35	4	66	1.47	2	< 10	403	< 0.5	< 2	0.92	13	53	2.40	< 10	< 1	0.73	22	1.09
B410224	0.2	< 0.5	14	414	< 1	36	6	72	1.73	< 2	< 10	571	< 0.5	< 2	1.41	12	51	2.61	10	< 1	1.02	21	1.20
B410225	0.3	< 0.5	17	365	< 1	36	24	75	1.57	< 2	< 10	491	< 0.5	< 2	1.14	11	50	2.51	< 10	< 1	0.90	21	1.13
B410226	1.1	< 0.5	169	305	5	261	9	46	2.95	257	< 10	211	< 0.5	< 2	2.83	45	312	2.09	< 10	< 1	0.43	46	1.81
B410227	0.8	< 0.5	101	282	12	170	6	49	2.37	67	< 10	242	< 0.5	< 2	1.94	35	370	2.06	< 10	< 1	0.49	12	1.66
B410228	0.6	< 0.5	116	324	7	230	6	53	2.64	123	< 10	323	< 0.5	< 2	1.68	45	411	2.70	< 10	< 1	0.83	38	2.05
B410229	1.6	< 0.5	369	416	16	169	< 2	60	2.63	24	< 10	126	< 0.5	< 2	1.12	44	307	4.59	< 10	< 1	1.09	16	2.34
B410230																							
B410231	1.4	< 0.5	408	573	12	139	< 2	53	3.86	367	< 10	80	< 0.5	< 2	2.46	53	148	5.25	< 10	< 1	0.64	< 10	1.90
B410232	3.2	0.5	721	604	12	142	3	59	4.52	306	< 10	46	< 0.5	< 2	2.26	60	145	5.98	10	1	1.22	< 10	1.78
B410233	0.8	< 0.5	202	842	5	84	< 2	80	6.19	7	< 10	172	0.5	< 2	3.20	43	134	7.46	10	< 1	2.23	< 10	2.52
B410234	1.0	< 0.5	284	829	< 1	80	< 2	73	6.15	< 2	< 10	133	< 0.5	< 2	3.15	36	130	6.97	10	1	1.98	< 10	2.27
B410235	1.0	< 0.5	148	919	4	89	4	70	5.13	5	< 10	99	< 0.5	3	3.94	40	115	6.92	10	1	1.88	< 10	2.47
B410236	1.3	< 0.5	154	954	4	87	3	74	4.98	4	< 10	93	< 0.5	3	4.23	38	109	6.85	10	< 1	1.73	< 10	2.50
B410237	1.1	< 0.5	109	910	1	62	6	86	2.98	8	< 10	92	< 0.5	< 2	4.19	25	87	5.18	< 10	< 1	1.57	< 10	2.43
B410238	0.4	< 0.5	25	554	< 1	37	< 2	59	1.89	5	< 10	353	< 0.5	< 2	2.15	14	54	2.96	< 10	< 1	1.25	17	1.45
B410239	0.4	< 0.5	26	564	< 1	38	3	61	1.97	6	< 10	365	< 0.5	< 2	2.23	15	54	3.05	< 10	< 1	1.30	17	1.50
B410240																							
B410241	1.4	< 0.5	46	536	< 1	268	3	54	2.65	40	< 10	110	< 0.5	< 2	3.75	34	581	3.14	< 10	< 1	0.44	26	3.11
B410242	0.9	< 0.5	294	811	4	91	< 2	61	3.41	5	< 10	60	< 0.5	3	1.70	47	112	7.27	< 10	1	1.17	< 10	1.99
B410243	0.5	< 0.5	161	655	21	71	< 2	52	3.60	12	< 10	107	< 0.5	< 2	2.54	40	103	5.67	< 10	< 1	0.62	< 10	1.84
B410244	< 0.2	< 0.5	27	483	< 1	148	< 2	48	2.48	6	< 10	185	< 0.5	< 2	1.64	29	411	3.56	< 10	< 1	0.81	< 10	2.41
B410245	0.8	< 0.5	49	570	< 1	118	< 2	45	2.67	4	< 10	120	< 0.5	< 2	2.29	41	305	4.56	< 10	< 1	0.71	18	2.31
B410246	1.1	< 0.5	155	654	1	73	3	45	2.37	2	< 10	65	< 0.5	< 2	1.76	37	115	5.95	< 10	< 1	0.46	< 10	1.87
B410247	1.3	< 0.5	193	805	11	73	< 2	56	2.99	13	< 10	61	< 0.5	< 2	2.89	40	120	6.84	< 10	< 1	0.83	< 10	2.21
B410248	1.6	< 0.5	151	798	1	49	3	49	3.62	10	< 10	63	< 0.5	< 2	4.05	38	69	7.26	10	1	1.18	< 10	3.09
B410249	1.4	< 0.5	110	1180	< 1	84	< 2	99	3.55	26	< 10	56	< 0.5	< 2	8.09	36	173	6.79	< 10	< 1	0.94	< 10	4.97
B410250																							
B410251	2.4	< 0.5	66	1140	3	96	< 2	149	3.27	42	< 10	18	< 0.5	< 2	> 10.0	25	170	6.33	< 10	1	0.21	15	6.03
B410252	1.2	< 0.5	167	817	< 1	81	< 2	76	3.06	9	< 10	100	< 0.5	< 2	2.63	45	122	7.11	10	< 1	0.97	< 10	2.45
B410253	1.1	< 0.5	165	860	6	71	< 2	78	3.55	5	< 10	53	< 0.5	< 2	3.24	41	123	7.30	10	< 1	0.56	< 10	2.66
B410254	1.0	< 0.5	115	1160	5	88	< 2	58	2.82	8	< 10	55	< 0.5	< 2	7.27	28	166	6.29	< 10	< 1	0.69	< 10	4.26
B410255	0.7	< 0.5	30	1370	< 1	28	2	21	1.22	2	< 10	23	< 0.5	< 2	> 10.0	11	26	4.71	< 10	< 1	0.32	< 10	3.55
B410256	0.9	< 0.5	29	1410	< 1	35	< 2	25	1.59	3	< 10	40	< 0.5	< 2	> 10.0	11	33	5.45	< 10	< 1	0.57	< 10	3.98
B410257	1.7	< 0.5	70	1170	< 1	58	< 2	30	1.93	7	< 10	42	< 0.5	< 2	8.59	19	89	5.72	< 10	< 1	0.55	< 10	3.89
B410258	0.3	< 0.5	46	514	< 1	115	< 2	44	1.94	4	< 10	66	< 0.5	< 2	3.40	24	298	2.91	< 10	< 1	0.40	< 10	2.22
B410259	0.8	< 0.5	82	551	< 1	130	< 2	48	2.19	7	< 10	90	< 0.5	< 2	2.45	30	292	4.19	< 10	< 1	0.40	< 10	2.24
B410260																							
B410261	< 0.2	< 0.5	41	380	< 1	105	< 2	39	1.75	5	< 10	66	< 0.5	< 2	2.34	23	258	2.72	< 10	< 1	0.23	14	1.86

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B410001	0.125	0.060	0.02	< 2	5	37	0.20	< 20	3	< 2	< 10	48	< 10	5	22
B410002	0.129	0.060	0.01	< 2	4	31	0.20	< 20	3	< 2	< 10	45	< 10	5	23
B410003	0.140	0.061	0.03	< 2	4	32	0.21	< 20	4	< 2	< 10	48	< 10	6	25
B410004	0.133	0.062	0.05	< 2	5	33	0.21	< 20	6	< 2	< 10	50	< 10	6	23
B410005	0.130	0.060	0.03	< 2	5	35	0.22	< 20	4	< 2	< 10	51	< 10	5	22
B410006	0.109	0.061	0.02	< 2	4	37	0.21	< 20	2	< 2	< 10	45	< 10	6	21
B410007	0.129	0.061	0.01	< 2	4	38	0.21	< 20	2	< 2	< 10	46	< 10	6	20
B410008	0.161	0.060	0.06	< 2	5	43	0.21	< 20	1	< 2	< 10	49	< 10	5	23
B410009	0.255	0.055	0.03	< 2	9	52	0.21	< 20	4	2	< 10	71	< 10	7	21
B410010	0.015	0.003	< 0.01	< 2	< 1	2	< 0.01	< 20	< 1	< 2	< 10	2	< 10	1	4
B410011	0.333	0.044	0.21	2	19	57	0.19	< 20	< 1	< 2	< 10	160	< 10	13	8
B410012	0.367	0.046	1.01	2	20	76	0.20	< 20	< 1	< 2	< 10	150	< 10	16	11
B410013	0.416	0.045	0.25	< 2	19	76	0.17	< 20	< 1	< 2	< 10	144	< 10	14	8
B410014	0.344	0.045	1.09	< 2	20	41	0.18	< 20	1	< 2	< 10	171	< 10	12	13
B410015	0.187	0.033	2.75	3	11	22	0.21	< 20	2	< 2	< 10	108	< 10	9	15
B410016	0.149	0.034	2.00	5	10	21	0.16	< 20	4	< 2	< 10	95	< 10	8	13
B410017	0.367	0.042	1.00	< 2	19	36	0.24	< 20	< 1	< 2	< 10	162	< 10	15	11
B410018	0.288	0.038	0.60	< 2	16	26	0.21	< 20	3	< 2	< 10	138	< 10	13	10
B410019	0.256	0.030	0.05	< 2	15	21	0.27	< 20	3	< 2	< 10	107	16	11	10
B410020	0.068	0.029	0.74	< 2	10	42	0.25	< 20	< 1	< 2	< 10	107	< 10	9	16
B410021	0.253	0.034	0.05	< 2	16	19	0.26	< 20	4	< 2	< 10	122	< 10	10	9
B410022	0.249	0.035	0.07	< 2	16	11	0.20	< 20	1	< 2	< 10	122	< 10	10	11
B410023	0.266	0.036	0.08	< 2	17	12	0.20	< 20	2	< 2	< 10	133	< 10	11	9
B410024	0.143	0.340	0.06	< 2	7	97	0.22	< 20	3	< 2	< 10	71	< 10	9	3
B410025	0.142	0.052	0.68	< 2	8	99	0.16	< 20	2	< 2	< 10	84	< 10	8	7
B410026	0.353	0.042	0.26	2	15	53	0.23	< 20	6	< 2	< 10	122	< 10	11	7
B410027	0.418	0.043	0.17	< 2	14	68	0.22	< 20	3	< 2	< 10	116	< 10	11	7
B410028	0.361	0.045	0.09	< 2	14	42	0.20	< 20	4	< 2	< 10	116	< 10	11	8
B410029	0.419	0.040	0.08	< 2	14	53	0.20	< 20	5	< 2	< 10	110	< 10	9	7
B410030	0.014	0.002	< 0.01	< 2	< 1	2	< 0.01	< 20	< 1	< 2	< 10	2	< 10	< 1	4
B410031	0.399	0.050	0.26	< 2	15	70	0.22	< 20	< 1	< 2	< 10	129	< 10	12	8
B410032	0.398	0.039	0.12	< 2	14	49	0.19	< 20	3	< 2	< 10	115	< 10	10	7
B410033	0.271	0.039	0.10	< 2	14	34	0.24	< 20	5	< 2	< 10	116	< 10	11	9
B410034	0.332	0.035	0.04	< 2	13	36	0.18	< 20	1	< 2	< 10	99	< 10	10	7
B410035	0.495	0.037	0.18	< 2	15	69	0.18	< 20	< 1	< 2	< 10	120	< 10	10	5
B410036	0.439	0.039	0.14	< 2	13	64	0.19	< 20	2	< 2	< 10	107	< 10	10	6
B410037	0.382	0.038	0.36	< 2	13	68	0.24	< 20	< 1	< 2	< 10	119	< 10	9	7
B410038	0.278	0.044	0.91	< 2	15	45	0.22	< 20	2	< 2	< 10	146	< 10	10	10
B410039	0.504	0.041	0.30	< 2	15	81	0.20	< 20	2	< 2	< 10	124	< 10	11	7
B410040	0.355	0.151	0.86	3	4	89	0.13	< 20	1	< 2	< 10	44	< 10	13	3
B410041	0.437	0.038	0.57	< 2	13	71	0.20	< 20	< 1	< 2	< 10	114	< 10	10	6
B410042	0.389	0.037	0.29	< 2	15	52	0.20	< 20	3	< 2	< 10	119	< 10	11	6
B410043	0.442	0.037	0.20	< 2	14	54	0.20	< 20	2	< 2	< 10	115	< 10	10	5
B410044	0.462	0.036	0.30	< 2	12	68	0.17	< 20	< 1	< 2	< 10	98	< 10	9	4
B410045	0.542	0.037	0.30	< 2	13	83	0.20	< 20	4	< 2	< 10	109	< 10	10	5
B410046	0.562	0.038	0.47	< 2	13	100	0.21	< 20	4	< 2	< 10	114	< 10	10	5
B410047	0.205	0.026	0.82	< 2	10	65	0.19	< 20	2	< 2	< 10	110	< 10	10	6
B410048	0.318	0.034	1.34	3	15	62	0.29	< 20	3	< 2	< 10	154	< 10	10	7
B410049	0.184	0.043	1.46	< 2	11	72	0.26	< 20	3	3	< 10	139	< 10	13	8
B410050	0.018	0.002	< 0.01	< 2	< 1	2	< 0.01	< 20	< 1	< 2	< 10	3	< 10	1	4
B410051	0.280	0.039	0.88	< 2	15	58	0.27	< 20	3	< 2	< 10	164	< 10	13	9

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B410052	0.280	0.034	1.35	3	13	62	0.27	< 20	2	< 2	< 10	143	< 10	11	8
B410053	0.231	0.033	1.39	2	13	55	0.27	< 20	3	< 2	< 10	150	< 10	12	11
B410054	0.182	0.074	0.53	< 2	13	45	0.23	< 20	1	< 2	< 10	130	< 10	12	13
B410055	0.283	0.088	0.17	< 2	16	33	0.20	< 20	4	< 2	< 10	121	< 10	10	10
B410056	0.338	0.042	0.24	< 2	18	41	0.21	< 20	2	< 2	< 10	136	< 10	11	10
B410057	0.247	0.061	0.59	< 2	14	52	0.20	< 20	3	< 2	< 10	122	< 10	11	13
B410058	0.219	0.049	0.74	< 2	15	33	0.22	< 20	6	< 2	< 10	164	< 10	10	12
B410059	0.297	0.065	0.33	< 2	16	42	0.22	< 20	< 1	< 2	< 10	143	< 10	10	11
B410060	0.331	0.092	0.02	2	5	87	0.25	< 20	3	< 2	< 10	46	< 10	12	5
B410061	0.155	0.315	0.02	< 2	7	178	0.19	< 20	2	< 2	< 10	56	< 10	11	3
B410062	0.233	0.117	0.35	< 2	13	65	0.19	< 20	2	< 2	< 10	99	< 10	10	11
B410063	0.266	0.110	0.30	< 2	14	44	0.16	< 20	< 1	< 2	< 10	106	< 10	11	12
B410064	0.248	0.175	0.30	< 2	12	43	0.20	< 20	2	< 2	< 10	89	< 10	10	5
B410065	0.094	0.255	< 0.01	2	9	78	0.21	< 20	2	< 2	< 10	76	< 10	9	3
B410066	0.170	0.190	0.11	< 2	11	138	0.22	< 20	3	< 2	< 10	97	< 10	10	4
B410067	0.222	0.062	0.21	< 2	15	60	0.24	< 20	2	< 2	< 10	160	< 10	12	18
B410068	0.201	0.076	0.02	< 2	16	49	0.18	< 20	< 1	< 2	< 10	149	< 10	12	9
B410069	0.264	0.063	0.20	< 2	17	47	0.19	< 20	4	< 2	< 10	150	< 10	11	14
B410070	0.013	0.001	< 0.01	< 2	< 1	1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	3
B410071	0.251	0.054	0.08	< 2	20	29	0.19	< 20	2	< 2	< 10	183	< 10	11	13
B410072	0.196	0.043	0.25	< 2	21	38	0.19	< 20	< 1	< 2	< 10	194	< 10	12	12
B410073	0.259	0.047	0.81	3	24	43	0.21	< 20	2	< 2	< 10	209	< 10	13	16
B410074	0.118	0.045	2.96	9	23	21	0.18	< 20	< 1	< 2	< 10	206	< 10	11	19
B410075	0.117	0.037	2.49	9	18	16	0.18	< 20	2	< 2	< 10	178	< 10	9	14
B410076	0.065	0.010	0.58	< 2	7	17	0.09	< 20	< 1	< 2	< 10	53	33	4	5
B410077	0.049	0.004	0.04	< 2	3	11	0.05	< 20	< 1	< 2	< 10	26	> 200	2	3
B410078	0.056	0.005	0.05	< 2	4	18	0.07	< 20	1	< 2	< 10	30	> 200	3	4
B410079	0.038	0.003	< 0.01	< 2	2	4	0.04	< 20	< 1	< 2	< 10	18	27	1	3
B410080	0.065	0.029	0.74	< 2	9	42	0.24	< 20	2	< 2	< 10	106	< 10	9	14
B410081	0.050	0.006	0.02	< 2	4	7	0.06	< 20	< 1	< 2	< 10	31	> 200	2	4
B410082	0.128	0.018	0.02	< 2	9	11	0.17	< 20	4	< 2	< 10	96	106	6	11
B410083	0.205	0.036	0.02	< 2	13	23	0.31	< 20	5	< 2	< 10	152	94	12	15
B410084	0.198	0.039	0.03	< 2	12	13	0.32	< 20	6	< 2	< 10	158	84	13	15
B410085	0.193	0.037	0.02	< 2	15	14	0.33	< 20	3	< 2	< 10	153	26	13	15
B410086	0.179	0.027	0.55	< 2	7	84	0.18	< 20	< 1	< 2	< 10	83	< 10	6	8
B410087	0.207	0.034	0.27	3	10	47	0.18	< 20	5	< 2	< 10	107	< 10	8	9
B410088	0.220	0.034	0.13	< 2	10	41	0.21	< 20	5	< 2	< 10	113	< 10	8	10
B410089	0.250	0.032	0.13	< 2	9	42	0.20	< 20	3	< 2	< 10	100	< 10	7	9
B410090	0.015	0.002	< 0.01	< 2	< 1	2	< 0.01	< 20	< 1	< 2	< 10	2	< 10	1	3
B410091	0.194	0.036	0.07	< 2	7	38	0.18	< 20	< 1	< 2	< 10	102	< 10	7	8
B410092	0.168	0.034	0.07	3	9	43	0.16	< 20	< 1	< 2	< 10	108	< 10	7	7
B410093	0.241	0.034	0.10	2	11	35	0.19	< 20	3	< 2	< 10	112	< 10	8	7
B410094	0.189	0.032	0.14	3	11	45	0.17	< 20	< 1	< 2	< 10	113	< 10	7	8
B410095	0.028	0.033	0.61	5	25	6	0.15	< 20	2	< 2	< 10	218	< 10	9	12
B410096	0.055	0.036	0.48	5	23	11	0.11	< 20	1	< 2	< 10	204	< 10	9	10
B410097	0.031	0.010	0.36	3	12	33	0.09	< 20	< 1	< 2	< 10	121	< 10	8	9
B410098	0.136	0.031	0.14	< 2	11	37	0.17	< 20	4	< 2	< 10	110	< 10	6	8
B410099	0.143	0.030	0.43	< 2	8	64	0.18	< 20	6	< 2	< 10	107	< 10	7	9
B410100	0.348	0.152	0.86	4	4	88	0.13	< 20	< 1	< 2	< 10	43	< 10	13	4
B410101	0.179	0.031	0.46	< 2	8	32	0.19	< 20	< 1	< 2	< 10	104	< 10	6	10
B410102	0.159	0.031	1.35	3	8	31	0.22	< 20	4	< 2	< 10	129	< 10	8	14

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	10	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B410103	0.129	0.031	1.12	< 2	11	33	0.21	< 20	2	< 2	< 10	135	< 10	7	11
B410104	0.191	0.036	0.24	< 2	9	42	0.21	< 20	4	< 2	< 10	103	< 10	6	10
B410105	0.149	0.110	0.28	< 2	8	34	0.19	< 20	< 1	< 2	< 10	104	< 10	8	14
B410106	0.131	0.033	0.44	< 2	10	50	0.18	< 20	1	< 2	< 10	144	< 10	7	10
B410107	0.199	0.036	0.47	< 2	10	34	0.20	< 20	< 1	< 2	< 10	141	< 10	7	11
B410108	0.163	0.035	0.71	3	8	46	0.20	< 20	3	< 2	< 10	93	< 10	6	9
B410109	0.202	0.033	0.87	3	8	31	0.20	< 20	6	< 2	< 10	93	< 10	6	9
B410110	0.013	0.001	< 0.01	< 2	< 1	1	< 0.01	< 20	< 1	< 2	< 10	1	< 10	< 1	3
B410111	0.156	0.033	1.59	< 2	8	29	0.22	< 20	3	< 2	< 10	101	< 10	6	10
B410112	0.181	0.033	0.88	3	9	32	0.22	< 20	3	< 2	< 10	104	< 10	7	9
B410113	0.156	0.030	0.42	< 2	7	36	0.22	< 20	4	< 2	< 10	90	< 10	6	7
B410114	0.144	0.030	0.53	< 2	7	31	0.24	< 20	5	< 2	< 10	96	< 10	6	8
B410115	0.109	0.060	1.08	< 2	4	35	0.23	< 20	3	< 2	< 10	76	< 10	7	12
B410116	0.102	0.055	1.45	< 2	4	28	0.24	< 20	3	< 2	< 10	81	< 10	7	12
B410117	0.158	0.041	1.41	2	5	19	0.21	< 20	3	< 2	< 10	106	< 10	8	14
B410118	0.098	0.038	1.20	< 2	4	31	0.17	< 20	2	< 2	< 10	65	< 10	5	11
B410119	0.210	0.033	0.34	< 2	9	22	0.20	< 20	4	< 2	< 10	93	< 10	8	6
B410120	0.333	0.094	0.02	< 2	5	87	0.24	< 20	3	< 2	< 10	47	< 10	12	6
B410121	0.132	0.221	0.28	< 2	8	62	0.24	< 20	3	< 2	< 10	56	< 10	9	4
B410122	0.106	0.256	0.37	< 2	7	71	0.25	< 20	3	< 2	< 10	60	< 10	9	5
B410123	0.085	0.083	0.42	< 2	5	56	0.13	< 20	2	< 2	< 10	43	< 10	5	10
B410124	0.134	0.038	0.04	< 2	6	29	0.16	< 20	1	< 2	< 10	48	< 10	4	23
B410125	0.084	0.043	0.25	< 2	6	12	0.18	< 20	3	< 2	< 10	83	< 10	4	31
B410126	0.228	0.033	0.12	< 2	9	19	0.19	< 20	3	< 2	< 10	96	< 10	8	6
B410127	0.205	0.033	0.17	< 2	8	19	0.18	< 20	2	< 2	< 10	95	< 10	7	7
B410128	0.192	0.032	0.11	< 2	8	16	0.18	< 20	< 1	< 2	< 10	91	< 10	7	7
B410129	0.182	0.029	0.10	3	7	31	0.21	< 20	3	< 2	< 10	82	< 10	5	8
B410130	0.015	0.001	< 0.01	< 2	< 1	1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	3
B410131	0.208	0.033	0.19	< 2	7	32	0.20	< 20	< 1	< 2	< 10	95	< 10	7	9
B410132	0.205	0.034	0.23	< 2	6	18	0.20	< 20	5	< 2	< 10	104	< 10	6	9
B410133	0.213	0.035	0.12	< 2	8	22	0.22	< 20	4	< 2	< 10	106	< 10	7	10
B410134	0.213	0.035	0.50	< 2	8	23	0.18	< 20	< 1	< 2	< 10	97	< 10	8	8
B410135	0.232	0.036	0.30	< 2	9	15	0.21	< 20	3	< 2	< 10	106	< 10	9	8
B410136	0.228	0.038	0.38	< 2	8	15	0.19	< 20	1	< 2	< 10	102	< 10	9	8
B410137	0.250	0.038	0.14	2	9	15	0.18	< 20	< 1	< 2	< 10	119	< 10	9	7
B410138	0.244	0.039	0.14	3	8	17	0.19	< 20	2	< 2	< 10	130	< 10	9	8
B410139	0.149	0.049	0.05	< 2	6	46	0.20	< 20	< 1	< 2	< 10	71	< 10	6	12
B410141	0.250	0.041	0.90	< 2	9	22	0.20	< 20	3	< 2	< 10	109	< 10	10	9
B410142	0.268	0.041	0.56	2	10	16	0.19	< 20	5	< 2	< 10	107	< 10	10	9
B410143	0.215	0.037	0.81	< 2	9	18	0.20	< 20	5	< 2	< 10	105	< 10	9	9
B410144	0.140	0.065	1.24	3	10	31	0.22	< 20	3	< 2	< 10	121	< 10	6	18
B410145	0.116	0.072	0.56	< 2	12	33	0.24	< 20	3	< 2	< 10	153	< 10	6	17
B410146	0.251	0.034	0.71	< 2	10	38	0.18	< 20	2	< 2	< 10	94	< 10	8	8
B410147	0.198	0.070	0.38	< 2	10	37	0.28	< 20	2	< 2	< 10	118	< 10	8	15
B410148	0.220	0.150	0.20	< 2	7	113	0.28	< 20	5	< 2	< 10	95	< 10	8	18
B410149	0.137	0.135	0.29	< 2	7	63	0.24	< 20	4	< 2	< 10	84	< 10	6	18
B410150															
B410151	0.124	0.057	1.94	< 2	6	20	0.26	< 20	3	< 2	< 10	100	< 10	7	17
B410152	0.148	0.158	0.21	2	5	46	0.25	< 20	3	< 2	< 10	75	< 10	6	14
B410153	0.147	0.162	0.24	< 2	5	64	0.26	< 20	1	< 2	< 10	77	< 10	6	15
B410154	0.029	0.024	0.48	< 2	1	114	0.04	< 20	< 1	< 2	< 10	13	< 10	2	4



Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B410155	0.106	0.146	0.48	< 2	5	67	0.19	< 20	1	< 2	< 10	54	< 10	6	11
B410156	0.115	0.160	0.59	2	5	62	0.21	< 20	1	< 2	< 10	62	< 10	6	13
B410157	0.119	0.155	0.22	2	5	60	0.23	< 20	2	< 2	< 10	65	< 10	5	13
B410158	0.032	0.076	1.11	< 2	2	185	0.10	< 20	1	< 2	< 10	37	< 10	4	6
B410159	0.164	0.046	0.50	< 2	7	40	0.17	< 20	< 1	< 2	< 10	72	< 10	5	15
B410161	0.150	0.051	0.03	< 2	7	36	0.16	< 20	1	< 2	< 10	62	< 10	5	12
B410162	0.126	0.052	0.37	< 2	7	18	0.26	< 20	4	< 2	< 10	81	< 10	6	24
B410163	0.124	0.048	0.05	2	7	21	0.17	< 20	4	< 2	< 10	63	< 10	6	15
B410164	0.176	0.095	0.04	< 2	7	45	0.19	< 20	4	< 2	< 10	70	< 10	6	13
B410165	0.139	0.096	0.11	< 2	6	48	0.18	< 20	5	< 2	< 10	63	< 10	6	13
B410166	0.174	0.045	0.74	< 2	9	32	0.26	< 20	< 1	< 2	< 10	103	< 10	7	21
B410167	0.134	0.047	0.24	< 2	8	23	0.25	< 20	2	< 2	< 10	88	< 10	7	19
B410168	0.237	0.037	0.76	< 2	11	19	0.25	< 20	2	< 2	< 10	127	< 10	10	14
B410169	0.287	0.036	0.23	< 2	12	20	0.24	< 20	5	< 2	< 10	123	< 10	10	12
B410171	0.257	0.035	0.15	2	11	25	0.27	< 20	3	< 2	< 10	133	< 10	9	10
B410172	0.244	0.037	0.26	< 2	10	19	0.22	< 20	4	< 2	< 10	123	< 10	9	9
B410173	0.256	0.034	0.13	2	9	15	0.24	< 20	< 1	< 2	< 10	105	< 10	9	6
B410174	0.240	0.035	0.21	< 2	9	15	0.24	< 20	3	< 2	< 10	96	< 10	9	6
B410175	0.236	0.034	0.22	< 2	10	26	0.28	< 20	4	< 2	< 10	104	< 10	9	6
B410176	0.254	0.034	0.12	< 2	10	20	0.26	< 20	5	< 2	< 10	110	< 10	9	6
B410177	0.251	0.033	0.09	2	9	20	0.22	< 20	< 1	< 2	< 10	111	< 10	9	7
B410178	0.267	0.036	0.17	< 2	11	21	0.22	< 20	< 1	< 2	< 10	122	< 10	10	8
B410179	0.115	0.039	0.41	< 2	14	92	0.22	< 20	< 1	< 2	< 10	156	< 10	11	12
B410181	0.219	0.035	0.17	< 2	9	18	0.20	< 20	3	< 2	< 10	116	< 10	8	12
B410182	0.159	0.034	0.07	< 2	7	37	0.24	< 20	1	< 2	< 10	125	< 10	7	10
B410183	0.160	0.029	0.07	< 2	8	39	0.23	< 20	< 1	< 2	< 10	107	< 10	8	15
B410184	0.126	0.025	0.03	< 2	8	78	0.25	< 20	< 1	< 2	< 10	96	< 10	5	10
B410185	0.122	0.038	0.32	2	14	58	0.17	< 20	< 1	< 2	< 10	121	< 10	7	12
B410186	0.165	0.025	0.07	< 2	11	108	0.17	< 20	3	< 2	< 10	84	< 10	6	7
B410187	0.201	0.040	0.06	< 2	10	100	0.16	< 20	2	< 2	< 10	72	< 10	5	14
B410188	0.130	0.095	< 0.01	< 2	3	20	0.14	< 20	4	< 2	< 10	28	< 10	6	11
B410189	0.087	0.022	< 0.01	< 2	2	15	0.07	< 20	1	< 2	10	14	< 10	5	28
B410191	0.090	0.017	0.13	< 2	6	47	0.14	< 20	3	< 2	11	53	< 10	6	18
B410192	0.089	0.019	0.05	< 2	6	117	0.21	< 20	2	< 2	< 10	83	< 10	4	8
B410193	0.091	0.020	0.04	< 2	6	109	0.21	< 20	2	< 2	< 10	78	< 10	5	9
B410194	0.102	0.253	0.19	< 2	4	138	0.24	< 20	3	< 2	< 10	68	< 10	7	5
B410195	0.090	0.250	0.47	2	6	175	0.24	< 20	3	< 2	< 10	71	< 10	8	5
B410196	0.097	0.267	0.45	2	6	150	0.24	< 20	3	< 2	< 10	70	< 10	8	5
B410197	0.098	0.015	1.59	3	9	145	0.17	< 20	5	< 2	< 10	66	< 10	5	5
B410198	0.085	0.015	0.61	< 2	8	94	0.16	< 20	< 1	< 2	< 10	48	12	5	6
B410199	0.123	0.017	0.48	< 2	9	113	0.17	< 20	2	< 2	< 10	55	< 10	5	9
B410201	0.129	0.017	1.30	2	11	115	0.21	< 20	4	< 2	< 10	72	< 10	6	11
B410202	0.111	0.017	0.38	< 2	12	84	0.20	< 20	5	< 2	< 10	60	< 10	5	6
B410203	0.076	0.016	0.36	< 2	9	61	0.17	< 20	3	< 2	< 10	60	< 10	5	8
B410204	0.105	0.078	0.56	< 2	8	141	0.16	< 20	< 1	< 2	< 10	51	< 10	6	13
B410205	0.135	0.081	0.60	< 2	8	156	0.17	< 20	2	< 2	< 10	55	< 10	6	14
B410206	0.142	0.148	0.47	< 2	8	99	0.20	< 20	5	< 2	< 10	70	< 10	8	8
B410207	0.121	0.119	0.55	< 2	10	78	0.20	< 20	1	< 2	< 10	74	< 10	8	16
B410208	0.039	0.014	1.08	< 2	14	239	0.11	< 20	< 1	< 2	< 10	98	< 10	5	9
B410209	0.072	0.008	0.96	< 2	7	135	0.12	< 20	2	< 2	< 10	55	< 10	4	7
B410211	0.096	0.008	0.84	< 2	6	161	0.12	< 20	2	< 2	< 10	41	< 10	4	6

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B410212	0.142	0.013	1.04	< 2	9	166	0.18	< 20	< 1	< 2	< 10	64	< 10	5	8
B410213	0.184	0.013	0.82	< 2	9	182	0.19	< 20	1	< 2	< 10	60	< 10	5	10
B410214	0.119	0.012	0.90	< 2	8	96	0.15	< 20	< 1	< 2	< 10	54	13	4	7
B410215	0.062	0.009	0.66	< 2	6	25	0.08	< 20	2	< 2	< 10	64	10	4	8
B410216	0.070	0.009	0.86	< 2	7	26	0.10	< 20	< 1	< 2	< 10	74	10	4	12
B410217	0.092	0.098	1.06	< 2	10	42	0.23	< 20	6	< 2	< 10	103	11	8	24
B410218	0.121	0.300	0.31	3	7	104	0.27	< 20	3	< 2	< 10	65	< 10	10	4
B410219	0.131	0.332	0.23	2	7	183	0.26	< 20	6	< 2	< 10	60	< 10	10	4
B410221	0.148	0.264	0.33	< 2	7	122	0.24	< 20	3	< 2	< 10	62	< 10	10	5
B410222	0.170	0.085	0.13	< 2	5	40	0.17	< 20	4	< 2	< 10	57	< 10	6	12
B410223	0.200	0.065	0.10	< 2	5	42	0.17	< 20	5	< 2	< 10	57	< 10	6	21
B410224	0.202	0.060	0.07	< 2	6	41	0.20	< 20	3	< 2	< 10	55	< 10	6	32
B410225	0.214	0.061	0.10	< 2	5	40	0.19	< 20	4	< 2	< 10	53	< 10	5	35
B410226	0.288	0.170	0.12	< 2	6	262	0.16	< 20	2	< 2	< 10	41	< 10	8	5
B410227	0.299	0.041	0.14	< 2	6	157	0.17	< 20	4	< 2	< 10	47	< 10	5	15
B410228	0.257	0.143	0.19	< 2	7	137	0.18	< 20	< 1	< 2	< 10	63	< 10	7	8
B410229	0.157	0.060	0.69	< 2	14	79	0.28	< 20	6	< 2	< 10	150	< 10	7	24
B410230															
B410231	0.310	0.037	1.11	< 2	14	137	0.22	< 20	4	< 2	< 10	130	< 10	10	16
B410232	0.253	0.034	1.78	< 2	24	101	0.27	< 20	< 1	< 2	< 10	202	< 10	10	19
B410233	0.354	0.041	0.39	< 2	15	150	0.35	< 20	4	< 2	< 10	194	< 10	9	9
B410234	0.413	0.040	0.33	< 2	17	123	0.31	< 20	< 1	3	< 10	188	< 10	9	6
B410235	0.302	0.036	0.39	2	15	113	0.30	< 20	4	< 2	< 10	170	< 10	10	6
B410236	0.308	0.035	0.44	< 2	16	113	0.30	< 20	5	< 2	< 10	165	< 10	10	8
B410237	0.085	0.038	0.70	< 2	15	50	0.25	< 20	< 1	< 2	< 10	128	< 10	9	17
B410238	0.143	0.051	0.17	< 2	7	43	0.19	< 20	2	< 2	< 10	62	< 10	5	32
B410239	0.155	0.052	0.17	< 2	8	46	0.20	< 20	2	< 2	< 10	64	< 10	6	26
B410240															
B410241	0.103	0.125	0.20	3	7	119	0.20	< 20	2	< 2	< 10	56	12	7	10
B410242	0.261	0.040	1.07	< 2	18	53	0.28	< 20	5	< 2	< 10	161	< 10	11	12
B410243	0.388	0.050	0.43	< 2	17	71	0.22	< 20	2	< 2	< 10	142	< 10	10	8
B410244	0.213	0.048	0.08	< 2	9	51	0.22	< 20	< 1	< 2	< 10	89	< 10	6	14
B410245	0.209	0.094	0.75	< 2	13	69	0.25	< 20	3	< 2	< 10	119	< 10	10	20
B410246	0.191	0.045	0.99	< 2	16	18	0.28	< 20	4	< 2	< 10	156	< 10	11	14
B410247	0.202	0.041	1.03	< 2	17	34	0.33	< 20	1	< 2	< 10	166	< 10	12	12
B410248	0.137	0.045	1.12	3	18	54	0.29	< 20	3	< 2	< 10	189	< 10	13	13
B410249	0.089	0.044	0.53	< 2	20	107	0.15	< 20	< 1	< 2	< 10	142	< 10	10	9
B410250															
B410251	0.023	0.045	1.13	2	17	125	0.11	< 20	< 1	< 2	< 10	129	< 10	10	9
B410252	0.206	0.052	0.66	3	19	35	0.25	< 20	< 1	< 2	< 10	180	< 10	12	10
B410253	0.216	0.067	0.55	< 2	19	43	0.27	< 20	4	< 2	< 10	191	< 10	13	15
B410254	0.088	0.040	0.87	< 2	13	102	0.18	< 20	< 1	< 2	< 10	128	< 10	10	11
B410255	0.019	0.008	1.39	< 2	4	104	0.06	< 20	4	< 2	< 10	40	< 10	5	4
B410256	0.022	0.008	1.51	< 2	5	107	0.08	< 20	< 1	< 2	< 10	52	< 10	5	5
B410257	0.089	0.020	1.76	2	7	89	0.12	< 20	< 1	< 2	< 10	71	< 10	6	11
B410258	0.254	0.029	0.15	< 2	8	70	0.14	< 20	< 1	2	< 10	56	< 10	5	20
B410259	0.206	0.050	0.50	< 2	12	41	0.18	< 20	< 1	< 2	< 10	104	< 10	7	20
B410260															
B410261	0.153	0.082	0.29	< 2	6	54	0.15	< 20	1	< 2	< 10	56	< 10	5	16

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas	0.3	< 0.5	69	1010	< 1	24	92	135	7.33	241	< 10	1190	0.9	< 2	0.15	12	77	5.35	20	2	1.08	< 10	0.39
GXR-6 Cert	1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9	0.609
GXR-6 Meas	0.3	< 0.5	68	998	< 1	24	91	133	7.25	229	< 10	1140	0.9	< 2	0.15	12	76	5.29	20	1	1.06	< 10	0.38
GXR-6 Cert	1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9	0.609
GXR-6 Meas	0.3	< 0.5	68	1020	< 1	24	92	135	7.35	214	< 10	1180	0.9	< 2	0.15	12	77	5.29	20	2	1.06	< 10	0.39
GXR-6 Cert	1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9	0.609
OREAS 98 (Aqua Regia) Meas	36.1		> 10000					257	1240						75		99						
OREAS 98 (Aqua Regia) Cert	42.8		147000					343	1300						93		110						
OREAS 98 (Aqua Regia) Meas	37.6		> 10000					260	1270						26		103						
OREAS 98 (Aqua Regia) Cert	42.8		147000					343	1300						93		111						
OREAS 98 (Aqua Regia) Meas	38.0		> 10000					265	1280						60		105						
OREAS 98 (Aqua Regia) Cert	42.8		147000					343	1300						93		111						
OREAS 922 (AQUA REGIA) Meas	0.9	< 0.5	2330	780	< 1	37	59	289	3.11	6		114	0.8	9	0.42	21	46	5.09	< 10		0.47	37	1.37
OREAS 922 (AQUA REGIA) Cert	0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5	1.33
OREAS 922 (AQUA REGIA) Meas	0.8	< 0.5	2280	775	< 1	36	59	285	3.08	6		115	0.8	9	0.42	19	46	5.06	< 10		0.48	37	1.35
OREAS 922 (AQUA REGIA) Cert	0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5	1.33
OREAS 922 (AQUA REGIA) Meas	0.8	< 0.5	2260	777	< 1	36	61	292	3.07	6		113	0.8	9	0.42	19	45	5.05	< 10		0.47	37	1.35
OREAS 922 (AQUA REGIA) Cert	0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5	1.33
OREAS 923 (AQUA REGIA) Meas	1.7	< 0.5	4490	856	< 1	33	76	377	3.07	8		90	0.7	26	0.42	21	42	5.80	< 10		0.40	34	1.45
OREAS 923 (AQUA REGIA) Cert	1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0	1.43
OREAS 923 (AQUA REGIA) Meas	1.7	< 0.5	4340	841	< 1	32	76	362	3.01	8		88	0.7	26	0.42	20	41	5.67	< 10		0.40	33	1.41
OREAS 923 (AQUA REGIA) Cert	1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0	1.43
OREAS 923 (AQUA REGIA) Meas	1.5	< 0.5	4440	851	< 1	33	76	369	3.05	8		83	0.7	27	0.42	21	42	5.76	< 10		0.40	34	1.43
OREAS 923 (AQUA REGIA) Cert	1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0	1.43
Oreas 96 (Aqua Regia) Meas	10.3		> 10000					87	451						93		44						
Oreas 96 (Aqua Regia) Cert	11.50		39100.00					100	448						27.9		49.2						
Oreas 96 (Aqua	10.3		> 10000					85	451						81		45						

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Regia) Meas																							
Oreas 96 (Aqua Regia) Cert	11.50		39100.00				100	448						27.9		49.2							
Oreas 96 (Aqua Regia) Meas	11.6		> 10000				90	466						78		47							
Oreas 96 (Aqua Regia) Cert	11.50		39100.00				100	448						27.9		49.2							
Oreas 621 (Aqua Regia) Meas	66.5	301	3690	525	13	27	> 5000	> 10000	1.86	79			0.6	6	1.68	32	33	3.37	10	3	0.36	20	0.43
Oreas 621 (Aqua Regia) Cert	68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4	0.436
Oreas 621 (Aqua Regia) Meas	67.7	300	3680	532	13	28	> 5000	> 10000	1.87	81			0.6	10	1.71	31	37	3.38	10	3	0.37	19	0.44
Oreas 621 (Aqua Regia) Cert	68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4	0.436
Oreas 621 (Aqua Regia) Meas	67.5	301	3730	534	13	27	> 5000	> 10000	1.90	84			0.6	8	1.70	31	33	3.38	10	3	0.37	19	0.45
Oreas 621 (Aqua Regia) Cert	68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4	0.436
B410001 Orig	0.4	< 0.5	8	437	< 1	35	< 2	57	1.72	5	< 10	275	< 0.5	< 2	2.19	11	46	2.57	< 10	< 1	0.92	21	1.19
B410001 Dup	0.4	< 0.5	7	426	< 1	34	< 2	55	1.68	4	< 10	269	< 0.5	< 2	2.13	11	44	2.49	< 10	< 1	0.89	21	1.15
B410010 Orig	< 0.2	< 0.5	2	61	< 1	< 1	< 2	4	0.09	< 2	< 10	18	< 0.5	< 2	0.02	< 1	8	0.57	< 10	< 1	0.01	< 10	0.01
B410010 Dup	< 0.2	< 0.5	2	60	< 1	< 1	< 2	4	0.09	< 2	< 10	18	< 0.5	< 2	0.02	< 1	8	0.56	< 10	< 1	0.01	< 10	0.01
B410029 Orig	0.4	< 0.5	113	536	< 1	47	< 2	47	3.43	12	< 10	16	< 0.5	< 2	2.79	31	73	4.48	< 10	< 1	0.09	< 10	1.74
B410029 Dup	0.4	< 0.5	115	538	< 1	48	< 2	47	3.46	11	< 10	16	< 0.5	< 2	2.80	32	73	4.51	< 10	< 1	0.10	< 10	1.76
B410044 Orig	0.3	< 0.5	91	511	< 1	56	< 2	43	3.95	7	< 10	42	< 0.5	< 2	3.54	32	70	4.11	< 10	< 1	0.36	< 10	1.61
B410044 Dup	< 0.2	< 0.5	91	515	< 1	56	< 2	44	3.92	7	< 10	43	< 0.5	< 2	3.52	29	70	4.07	< 10	< 1	0.36	< 10	1.60
B410059 Orig	0.4	< 0.5	96	779	4	77	< 2	84	3.14	< 2	< 10	141	< 0.5	< 2	3.72	38	103	6.26	< 10	< 1	0.71	< 10	2.19
B410059 Dup	0.4	< 0.5	94	763	4	78	< 2	84	3.10	< 2	< 10	141	< 0.5	< 2	3.69	37	101	6.16	< 10	< 1	0.70	< 10	2.16
B410068 Orig	< 0.2	< 0.5	78	846	< 1	47	< 2	42	2.42	3	27	18	< 0.5	< 2	1.68	27	20	5.34	< 10	< 1	0.10	33	2.62
B410068 Dup	< 0.2	< 0.5	79	864	< 1	46	< 2	41	2.41	3	28	19	< 0.5	< 2	1.67	30	20	5.39	< 10	< 1	0.10	33	2.65
B410087 Orig	0.2	< 0.5	168	736	< 1	95	< 2	78	2.89	34	< 10	87	< 0.5	< 2	3.19	41	212	5.71	< 10	2	0.35	< 10	2.20
B410087 Dup	0.3	< 0.5	173	767	< 1	97	< 2	79	2.97	33	< 10	89	< 0.5	< 2	3.29	41	217	5.98	< 10	1	0.36	< 10	2.27
B410107 Orig	0.3	0.5	216	813	< 1	114	< 2	75	3.04	21	< 10	98	< 0.5	< 2	3.04	52	162	7.21	< 10	< 1	0.44	< 10	2.29
B410107 Dup	0.2	< 0.5	215	801	1	110	< 2	72	2.97	21	< 10	99	< 0.5	< 2	2.93	53	157	7.12	< 10	< 1	0.44	< 10	2.23
B410122 Orig	0.6	< 0.5	84	339	9	201	6	47	1.91	20	< 10	304	< 0.5	< 2	1.87	35	664	2.70	< 10	< 1	0.96	63	2.29
B410122 Dup	0.6	< 0.5	84	344	9	204	7	49	1.94	23	< 10	261	< 0.5	< 2	1.89	36	677	2.74	< 10	< 1	0.97	64	2.32
B410131 Orig	0.4	< 0.5	186	831	< 1	63	< 2	61	1.94	17	< 10	49	< 0.5	< 2	4.17	35	122	4.92	< 10	< 1	0.20	< 10	1.73
B410131 Dup	0.3	< 0.5	185	823	1	62	< 2	61	1.92	18	< 10	50	< 0.5	< 2	4.15	35	122	4.84	< 10	< 1	0.20	< 10	1.71
B410139 Orig	< 0.2	< 0.5	49	572	< 1	105	< 2	57	1.88	24	< 10	35	< 0.5	< 2	2.06	28	262	3.78	< 10	< 1	0.11	< 10	1.81
B410139 Dup	< 0.2	< 0.5	49	547	< 1	104	< 2	55	1.81	24	< 10	36	< 0.5	< 2	1.95	28	251	3.65	< 10	< 1	0.11	< 10	1.75
B410149 Orig	0.3	< 0.5	120	480	7	196	4	80	2.55	17	< 10	269	< 0.5	< 2	2.21	30	388	3.72	< 10	< 1	0.88	20	2.54
B410149 Dup	0.3	< 0.5	119	493	7	200	6	83	2.59	15	< 10	270	< 0.5	< 2	2.26	30	398	3.76	< 10	< 1	0.89	20	2.58
B410154 Orig	0.9	3.6	70	1120	< 1	38	4	334	0.64	45	< 10	32	< 0.5	< 2	> 10.0	4	76	1.77	< 10	< 1	0.12	< 10	5.34
B410154 Dup	1.0	3.4	63	1090	< 1	36	5	321	0.62	44	< 10	31	< 0.5	2	> 10.0	4	74	1.70	< 10	< 1	0.12	< 10	5.20
B410159 Orig	0.8	< 0.5	101	454	< 1	196	4	47	2.20	9	< 10	170	< 0.5	< 2	2.12	31	450	3.48	< 10	< 1	0.54	< 10	2.54
B410159 Dup	0.8	< 0.5	99	449	< 1	197	3	47	2.19	9	< 10	163	< 0.5	< 2	2.10	33	440	3.53	< 10	< 1	0.54	< 10	2.51
B410165 Orig	0.5	< 0.5	167	487	8	175	< 2	48	1.88	104	< 10	83	< 0.5	< 2	2.32	43	341	3.04	< 10	< 1	0.22	25	1.98
B410165 Dup	0.4	< 0.5	166	483	7	170	< 2	47	1.87	102	< 10	82	< 0.5	< 2	2.30	42	341	3.02	< 10	< 1	0.22	23	1.97
B410169 Orig	0.8	< 0.5	208	877	8	67	< 2	124	2.33	17	< 10	70	< 0.5	< 2	3.33	39	51	6.17	< 10	< 1	0.27	< 10	1.85
B410169 Dup	0.7	< 0.5	207	851	8	70	< 2	121	2.28	15	< 10	69	< 0.5	< 2	3.27	37	50	6.07	< 10	1	0.26	< 10	1.81
B410179 Orig	0.5	< 0.5	194	1080	7	66	< 2	88	3.47	16	< 10	122	< 0.5	< 2	4.41	45	45	8.02	10	1	0.60	< 10	2.73
B410179 Dup	0.5	< 0.5	192	1060	9	63	< 2	86	3.41	14	< 10	119	< 0.5	< 2	4.33	43	43	7.87	10	1	0.59	< 10	2.69

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2		0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B410183 Orig	0.9	< 0.5	326	700	4	48	4	73	1.84	7	< 10	164	< 0.5	< 2	3.11	30	60	5.10	< 10	< 1	0.82	< 10	1.64
B410183 Dup	1.0	< 0.5	314	686	4	47	4	72	1.82	6	< 10	158	< 0.5	< 2	3.07	28	59	4.94	< 10	< 1	0.80	< 10	1.61
B410189 Orig	< 0.2	< 0.5	1	170	1	9	7	22	0.86	7	< 10	58	< 0.5	< 2	0.41	5	5	1.12	< 10	< 1	0.21	12	0.54
B410189 Dup	< 0.2	< 0.5	1	176	< 1	9	7	23	0.89	9	< 10	60	< 0.5	< 2	0.42	6	5	1.15	< 10	< 1	0.22	13	0.55
B410199 Orig	0.2	< 0.5	73	458	2	136	< 2	37	1.89	24	< 10	41	< 0.5	< 2	2.54	35	304	3.39	< 10	< 1	0.16	< 10	1.90
B410199 Dup	0.2	< 0.5	77	464	2	135	< 2	37	1.95	22	< 10	42	< 0.5	< 2	2.58	37	315	3.43	< 10	< 1	0.16	< 10	1.94
B410203 Orig	0.3	< 0.5	91	546	4	187	< 2	35	1.37	27	< 10	13	< 0.5	< 2	2.95	39	281	3.29	< 10	< 1	0.05	< 10	1.87
B410203 Dup	0.3	< 0.5	93	551	5	189	5	35	1.37	29	< 10	12	< 0.5	< 2	2.96	39	281	3.31	< 10	< 1	0.05	< 10	1.88
B410208 Orig	0.9	< 0.5	103	1280	10	168	2	38	1.97	73	< 10	64	< 0.5	< 2	6.69	46	403	5.04	< 10	< 1	0.31	< 10	2.50
B410208 Dup	0.9	< 0.5	107	1310	11	171	3	38	2.04	72	< 10	65	< 0.5	< 2	6.79	47	412	5.23	< 10	< 1	0.32	< 10	2.58
B410214 Orig	0.8	< 0.5	168	520	3	225	5	47	1.14	6	< 10	53	< 0.5	< 2	2.92	49	208	3.48	< 10	< 1	0.11	< 10	1.27
B410214 Dup	0.7	< 0.5	163	521	3	224	4	48	1.14	4	< 10	51	< 0.5	< 2	2.95	49	209	3.39	< 10	< 1	0.11	< 10	1.28
B410221 Orig	0.2	< 0.5	60	381	< 1	173	< 2	44	1.73	7	< 10	190	< 0.5	< 2	2.27	32	473	2.92	< 10	< 1	0.97	70	2.32
B410221 Dup	0.3	< 0.5	59	376	< 1	170	< 2	43	1.69	6	< 10	225	< 0.5	< 2	2.23	29	460	2.86	< 10	< 1	0.96	68	2.27
B410228 Orig	0.6	< 0.5	117	333	7	232	7	54	2.70	120	< 10	328	< 0.5	< 2	1.72	46	420	2.76	< 10	< 1	0.84	38	2.10
B410228 Dup	0.6	< 0.5	114	316	7	228	5	53	2.58	125	< 10	318	< 0.5	< 2	1.63	45	403	2.64	< 10	< 1	0.82	37	2.01
B410233 Orig	0.8	< 0.5	200	823	5	81	< 2	79	6.11	10	< 10	165	0.5	2	3.16	43	132	7.41	10	< 1	2.20	< 10	2.49
B410233 Dup	0.8	< 0.5	205	860	5	87	3	82	6.27	4	< 10	179	0.5	< 2	3.23	44	135	7.51	10	1	2.26	< 10	2.55
B410237 Orig	1.1	< 0.5	110	917	1	63	6	87	3.01	7	< 10	88	< 0.5	< 2	4.22	25	88	5.24	< 10	2	1.59	< 10	2.46
B410237 Dup	1.1	< 0.5	107	902	1	61	6	86	2.94	9	< 10	97	< 0.5	2	4.16	26	86	5.13	< 10	< 1	1.55	< 10	2.41
B410243 Orig	0.5	< 0.5	164	660	21	71	< 2	52	3.65	12	< 10	110	< 0.5	< 2	2.56	40	105	5.74	< 10	< 1	0.63	< 10	1.86
B410243 Dup	0.5	< 0.5	157	651	21	72	< 2	52	3.56	11	< 10	104	< 0.5	< 2	2.51	39	102	5.59	< 10	2	0.61	< 10	1.81
B410249 Orig	1.4	< 0.5	110	1170	< 1	84	< 2	100	3.54	26	< 10	56	< 0.5	< 2	8.06	36	172	6.75	< 10	2	0.93	< 10	4.95
B410249 Dup	1.4	< 0.5	111	1190	< 1	85	< 2	99	3.56	26	< 10	56	< 0.5	< 2	8.12	35	173	6.84	< 10	< 1	0.94	< 10	4.99
B410252 Orig	1.2	< 0.5	166	827	< 1	82	< 2	77	3.08	7	< 10	100	< 0.5	< 2	2.66	45	123	7.17	10	< 1	0.98	< 10	2.48
B410252 Dup	1.2	< 0.5	167	808	< 1	81	< 2	76	3.04	10	< 10	100	< 0.5	< 2	2.61	44	121	7.06	10	< 1	0.96	< 10	2.43
B410259 Orig	0.8	< 0.5	84	557	< 1	131	< 2	49	2.22	8	< 10	91	< 0.5	< 2	2.47	30	295	4.24	< 10	< 1	0.40	< 10	2.26
B410259 Dup	0.7	< 0.5	80	546	< 1	129	< 2	47	2.16	5	< 10	88	< 0.5	< 2	2.42	30	288	4.13	< 10	< 1	0.39	< 10	2.21
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas	0.152	0.033	0.01	2	19	31		< 20	< 1	< 2	< 10	159	< 10	5	11
GXR-6 Cert	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
GXR-6 Meas	0.142	0.033	0.01	4	19	30		< 20	< 1	< 2	< 10	158	< 10	5	10
GXR-6 Cert	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
GXR-6 Meas	0.144	0.033	0.01	< 2	19	30		< 20	< 1	< 2	< 10	156	< 10	5	7
GXR-6 Cert	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
OREAS 98 (Aqua Regia) Meas				18											
OREAS 98 (Aqua Regia) Cert				15											
OREAS 98 (Aqua Regia) Meas				17											
OREAS 98 (Aqua Regia) Cert				15											
OREAS 98 (Aqua Regia) Meas				19											
OREAS 98 (Aqua Regia) Cert				15											
OREAS 922 (AQUA REGIA) Meas	0.034	0.064	0.39	< 2	4	15		< 20		< 2	< 10	34	< 10	21	25
OREAS 922 (AQUA REGIA) Cert	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas	0.033	0.063	0.38	2	4	15		< 20		< 2	< 10	34	< 10	22	27
OREAS 922 (AQUA REGIA) Cert	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas	0.034	0.062	0.38	2	4	15		< 20		< 2	< 10	34	< 10	21	18
OREAS 922 (AQUA REGIA) Cert	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 923 (AQUA REGIA) Meas		0.060	0.69	< 2	4	14		< 20		< 2	< 10	33	< 10	19	31
OREAS 923 (AQUA REGIA) Cert		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 923 (AQUA REGIA) Meas		0.058	0.66	< 2	4	13		< 20		< 2	< 10	33	< 10	19	29
OREAS 923 (AQUA REGIA) Cert		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 923 (AQUA REGIA) Meas		0.059	0.69	< 2	4	13		< 20		< 2	< 10	33	< 10	19	24
OREAS 923 (AQUA REGIA) Cert		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
Oreas 96 (Aqua Regia) Meas			3.88	6											
Oreas 96 (Aqua Regia) Cert			4.38	4.53											
Oreas 96 (Aqua			3.79	6											

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Regia) Meas															
Oreas 96 (Aqua Regia) Cert			4.38	4.53											
Oreas 96 (Aqua Regia) Meas			4.02	5											
Oreas 96 (Aqua Regia) Cert			4.38	4.53											
Oreas 621 (Aqua Regia) Meas	0.176	0.033	4.74	112	2	18		< 20		< 2	< 10	12	< 10	8	69
Oreas 621 (Aqua Regia) Cert	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
Oreas 621 (Aqua Regia) Meas	0.179	0.033	4.75	110	2	17		< 20		< 2	< 10	12	< 10	8	68
Oreas 621 (Aqua Regia) Cert	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
Oreas 621 (Aqua Regia) Meas	0.183	0.033	4.71	111	2	17		< 20		< 2	< 10	12	< 10	8	62
Oreas 621 (Aqua Regia) Cert	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
B410001 Orig	0.127	0.061	0.02	< 2	5	37	0.20	< 20	1	< 2	< 10	49	< 10	5	21
B410001 Dup	0.123	0.059	0.02	< 2	5	37	0.20	< 20	4	< 2	< 10	47	< 10	5	23
B410010 Orig	0.016	0.003	< 0.01	< 2	< 1	2	< 0.01	< 20	< 1	< 2	< 10	2	< 10	1	4
B410010 Dup	0.015	0.003	< 0.01	< 2	< 1	2	< 0.01	< 20	< 1	< 2	< 10	2	< 10	1	4
B410029 Orig	0.416	0.040	0.08	< 2	14	53	0.20	< 20	5	< 2	< 10	111	< 10	9	7
B410029 Dup	0.422	0.040	0.08	< 2	14	53	0.20	< 20	6	< 2	< 10	110	< 10	9	7
B410044 Orig	0.462	0.036	0.29	< 2	12	68	0.17	< 20	< 1	< 2	< 10	98	< 10	9	4
B410044 Dup	0.462	0.036	0.30	< 2	12	68	0.17	< 20	< 1	< 2	< 10	98	< 10	9	4
B410059 Orig	0.301	0.064	0.33	< 2	17	42	0.22	< 20	2	< 2	< 10	143	< 10	10	12
B410059 Dup	0.293	0.065	0.33	< 2	16	41	0.22	< 20	< 1	< 2	< 10	142	< 10	10	11
B410068 Orig	0.201	0.075	0.02	< 2	16	49	0.18	< 20	< 1	< 2	< 10	149	< 10	12	9
B410068 Dup	0.202	0.077	0.02	3	16	49	0.18	< 20	4	< 2	< 10	149	< 10	12	10
B410087 Orig	0.200	0.034	0.27	4	10	46	0.17	< 20	4	< 2	< 10	105	< 10	7	8
B410087 Dup	0.214	0.034	0.27	2	11	48	0.19	< 20	6	< 2	< 10	109	< 10	8	10
B410107 Orig	0.205	0.036	0.48	3	10	34	0.21	< 20	< 1	< 2	< 10	144	< 10	8	11
B410107 Dup	0.194	0.036	0.47	< 2	9	34	0.19	< 20	< 1	< 2	< 10	139	< 10	7	10
B410122 Orig	0.107	0.253	0.38	2	7	71	0.25	< 20	5	< 2	< 10	60	< 10	9	5
B410122 Dup	0.105	0.258	0.37	< 2	7	71	0.25	< 20	2	< 2	< 10	60	< 10	9	5
B410131 Orig	0.209	0.034	0.19	2	7	33	0.20	< 20	2	< 2	< 10	95	< 10	7	9
B410131 Dup	0.208	0.033	0.18	< 2	7	32	0.19	< 20	< 1	< 2	< 10	94	< 10	7	9
B410139 Orig	0.154	0.049	0.05	< 2	6	49	0.21	< 20	< 1	< 2	< 10	73	< 10	7	12
B410139 Dup	0.145	0.049	0.05	< 2	6	44	0.19	< 20	4	< 2	< 10	70	< 10	6	12
B410149 Orig	0.137	0.134	0.28	< 2	7	62	0.24	< 20	2	< 2	< 10	83	< 10	6	18
B410149 Dup	0.138	0.135	0.29	< 2	7	63	0.24	< 20	6	< 2	< 10	85	< 10	6	17
B410154 Orig	0.030	0.025	0.49	< 2	1	115	0.04	< 20	< 1	< 2	< 10	14	< 10	2	5
B410154 Dup	0.028	0.024	0.47	< 2	1	114	0.04	< 20	< 1	< 2	< 10	13	< 10	2	4
B410159 Orig	0.165	0.046	0.51	< 2	7	40	0.17	< 20	< 1	< 2	< 10	72	< 10	5	15
B410159 Dup	0.163	0.046	0.50	< 2	7	39	0.17	< 20	< 1	< 2	< 10	72	< 10	5	15
B410165 Orig	0.139	0.097	0.11	< 2	6	48	0.17	< 20	4	< 2	< 10	63	< 10	6	11
B410165 Dup	0.140	0.095	0.11	< 2	6	48	0.18	< 20	5	< 2	< 10	62	< 10	6	14
B410169 Orig	0.290	0.036	0.23	< 2	12	20	0.24	< 20	8	< 2	< 10	124	< 10	10	12
B410169 Dup	0.284	0.036	0.23	< 2	11	19	0.23	< 20	2	< 2	< 10	122	< 10	10	12
B410179 Orig	0.116	0.039	0.41	2	14	93	0.21	< 20	3	< 2	< 10	158	< 10	11	11
B410179 Dup	0.115	0.039	0.40	< 2	14	90	0.22	< 20	< 1	< 2	< 10	154	< 10	11	13

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B410183 Orig	0.162	0.029	0.07	< 2	8	40	0.23	< 20	3	< 2	< 10	108	< 10	8	15
B410183 Dup	0.158	0.029	0.07	< 2	8	39	0.23	< 20	< 1	< 2	< 10	106	< 10	8	15
B410189 Orig	0.085	0.022	< 0.01	< 2	2	14	0.06	< 20	2	< 2	10	14	< 10	5	27
B410189 Dup	0.088	0.023	< 0.01	< 2	2	15	0.07	< 20	1	< 2	10	14	< 10	5	29
B410199 Orig	0.121	0.018	0.48	< 2	9	111	0.16	< 20	2	< 2	< 10	54	< 10	5	9
B410199 Dup	0.126	0.017	0.48	< 2	10	115	0.17	< 20	2	< 2	< 10	56	< 10	5	9
B410203 Orig	0.076	0.015	0.35	< 2	9	61	0.17	< 20	2	< 2	< 10	60	< 10	5	8
B410203 Dup	0.076	0.016	0.36	< 2	9	61	0.17	< 20	3	< 2	< 10	61	< 10	5	8
B410208 Orig	0.037	0.014	1.06	< 2	14	236	0.11	< 20	4	< 2	< 10	97	< 10	5	9
B410208 Dup	0.040	0.014	1.10	< 2	14	242	0.11	< 20	< 1	< 2	< 10	100	< 10	5	9
B410214 Orig	0.119	0.012	0.90	< 2	8	96	0.15	< 20	2	< 2	< 10	54	13	4	7
B410214 Dup	0.120	0.012	0.89	8	8	96	0.15	< 20	< 1	< 2	< 10	54	13	4	7
B410221 Orig	0.149	0.266	0.33	< 2	7	124	0.25	< 20	3	< 2	< 10	63	< 10	10	5
B410221 Dup	0.147	0.262	0.33	< 2	7	119	0.23	< 20	3	< 2	< 10	62	< 10	10	5
B410228 Orig	0.266	0.144	0.19	< 2	7	140	0.19	< 20	5	< 2	< 10	64	< 10	8	8
B410228 Dup	0.249	0.141	0.18	3	6	134	0.18	< 20	< 1	< 2	< 10	61	< 10	7	9
B410233 Orig	0.350	0.041	0.39	2	15	149	0.34	< 20	3	< 2	< 10	192	< 10	9	8
B410233 Dup	0.358	0.042	0.40	< 2	16	151	0.36	< 20	4	< 2	< 10	197	< 10	9	9
B410237 Orig	0.085	0.038	0.70	< 2	15	50	0.26	< 20	3	< 2	< 10	130	< 10	9	18
B410237 Dup	0.085	0.038	0.70	< 2	15	49	0.25	< 20	< 1	< 2	< 10	127	< 10	8	17
B410243 Orig	0.393	0.051	0.44	< 2	17	72	0.22	< 20	2	< 2	< 10	143	< 10	10	8
B410243 Dup	0.382	0.049	0.42	3	17	71	0.22	< 20	2	< 2	< 10	141	< 10	10	8
B410249 Orig	0.089	0.044	0.53	2	20	107	0.15	< 20	< 1	< 2	< 10	141	< 10	10	9
B410249 Dup	0.090	0.044	0.54	< 2	20	107	0.16	< 20	< 1	< 2	< 10	142	< 10	10	9
B410252 Orig	0.209	0.053	0.67	3	19	36	0.25	< 20	3	< 2	< 10	182	< 10	12	10
B410252 Dup	0.204	0.052	0.65	2	19	35	0.25	< 20	< 1	< 2	< 10	179	< 10	12	10
B410259 Orig	0.210	0.051	0.51	< 2	12	42	0.18	< 20	< 1	< 2	< 10	106	< 10	7	22
B410259 Dup	0.203	0.049	0.49	< 2	12	41	0.17	< 20	2	< 2	< 10	103	< 10	7	18
Method Blank	0.010	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.010	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.009	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.008	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.010	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.009	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1





Report No.: A21-05893-1E3
Report Date: 17-May-21
Date Submitted: 07-Apr-21
Your Reference: LINGMAN LAKE WINTER 2021

SIGNATURE RESOURCES LTD
366 Bay Street, suite 200
Toronto ON M5H 4B2
Canada

ATTN: Robert Vallis

CERTIFICATE OF ANALYSIS

261 Core samples were submitted for analysis.

Table with 2 columns: The following analytical package(s) were requested, Testing Date. Row 1: 1E3-Tbay, QOP AquaGeo (Aqua Regia ICPOES), 2021-05-07 21:32:08

REPORT A21-05893-1E3

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

Notes:

Values which exceed the upper limit should be assayed for accurate numbers.

Samples B410140, B410150, B410160, 410170, B410180,B410190,B410200,B410210,B410220, B410230, B410240, B410250, B410260 are all insufficient for 1E3.



LABID: 673

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CERTIFIED BY:

Handwritten signature of Emmanuel Esemé

Emmanuel Esemé , Ph.D.
Quality Control Coordinator

## Results

## Activation Laboratories Ltd.

Report: A21-05893

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2		0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B410001	0.4	< 0.5	8	432	< 1	35	< 2	56	1.70	4	< 10	272	< 0.5	< 2	2.16	11	45	2.53	< 10	< 1	0.90	21	1.17
B410002	0.4	< 0.5	9	399	< 1	35	< 2	57	1.72	6	< 10	263	< 0.5	< 2	1.75	11	44	2.44	< 10	< 1	1.13	21	1.13
B410003	< 0.2	< 0.5	5	423	< 1	36	< 2	60	1.81	6	< 10	300	< 0.5	< 2	1.72	13	46	2.55	< 10	< 1	1.18	22	1.20
B410004	< 0.2	< 0.5	3	411	< 1	36	< 2	58	1.77	7	< 10	312	< 0.5	< 2	1.55	12	48	2.58	< 10	< 1	1.05	23	1.20
B410005	< 0.2	< 0.5	4	431	< 1	36	< 2	58	1.83	4	< 10	263	< 0.5	< 2	1.59	11	47	2.51	< 10	< 1	1.18	21	1.18
B410006	< 0.2	< 0.5	6	438	< 1	35	< 2	57	1.73	4	< 10	155	< 0.5	< 2	1.89	11	43	2.40	< 10	< 1	1.07	22	1.13
B410007	0.6	< 0.5	7	426	< 1	36	< 2	58	1.78	3	< 10	233	< 0.5	< 2	1.63	11	45	2.51	< 10	< 1	1.11	21	1.19
B410008	< 0.2	< 0.5	14	425	< 1	36	< 2	59	1.76	5	< 10	404	< 0.5	< 2	1.65	11	47	2.55	< 10	< 1	1.18	20	1.17
B410009	0.2	< 0.5	40	472	< 1	45	< 2	59	2.35	10	< 10	265	< 0.5	< 2	1.76	17	85	3.05	< 10	< 1	0.83	16	1.46
B410010	< 0.2	< 0.5	2	61	< 1	< 1	< 2	4	0.09	< 2	< 10	18	< 0.5	< 2	0.02	< 1	8	0.57	< 10	< 1	0.01	< 10	0.01
B410011	0.7	< 0.5	134	741	69	25	< 2	64	3.60	13	< 10	49	< 0.5	< 2	2.84	36	11	5.89	< 10	< 1	0.38	< 10	1.92
B410012	0.8	< 0.5	388	718	17	33	< 2	54	4.08	20	< 10	19	< 0.5	< 2	3.18	54	11	6.60	10	2	0.12	< 10	1.83
B410013	0.3	< 0.5	90	731	3	27	< 2	57	4.53	11	< 10	57	< 0.5	< 2	3.55	35	11	5.69	10	1	0.25	< 10	1.83
B410014	0.6	< 0.5	113	661	3	29	2	61	4.16	301	17	65	< 0.5	< 2	2.42	47	13	6.47	10	1	0.55	< 10	2.27
B410015	0.9	< 0.5	150	632	12	24	5	32	2.51	1800	22	30	< 0.5	< 2	2.54	37	9	5.08	< 10	< 1	0.54	< 10	1.60
B410016	0.7	< 0.5	118	714	4	21	5	31	2.57	2560	24	45	< 0.5	< 2	3.45	36	8	4.71	< 10	< 1	0.60	< 10	1.73
B410017	0.3	< 0.5	103	823	3	29	< 2	51	3.73	40	13	46	< 0.5	< 2	3.20	35	12	6.18	10	2	0.44	< 10	1.93
B410018	< 0.2	< 0.5	97	713	20	35	< 2	42	3.05	20	< 10	26	< 0.5	< 2	3.62	35	22	5.32	< 10	< 1	0.21	< 10	1.80
B410019	< 0.2	< 0.5	90	640	69	34	< 2	38	2.53	11	< 10	34	< 0.5	< 2	3.26	26	40	3.99	< 10	< 1	0.15	< 10	1.75
B410020	1.4	< 0.5	128	621	3	160	28	72	3.22	58	19	62	< 0.5	< 2	3.20	30	423	4.37	< 10	< 1	0.20	< 10	3.17
B410021	< 0.2	< 0.5	133	673	71	33	< 2	47	2.45	6	< 10	48	< 0.5	< 2	2.63	28	34	4.50	< 10	< 1	0.22	< 10	1.82
B410022	< 0.2	< 0.5	126	665	133	29	< 2	42	2.17	3	< 10	55	< 0.5	< 2	2.32	29	24	4.43	< 10	< 1	0.28	< 10	1.71
B410023	< 0.2	< 0.5	135	699	24	28	< 2	45	2.23	< 2	< 10	58	< 0.5	< 2	2.54	30	23	4.70	< 10	< 1	0.24	< 10	1.76
B410024	< 0.2	< 0.5	38	477	1	171	< 2	55	2.47	< 2	< 10	220	< 0.5	< 2	3.20	29	324	3.41	< 10	< 1	0.93	65	2.62
B410025	0.4	1.0	135	848	< 1	47	4	156	2.21	< 2	< 10	59	< 0.5	< 2	8.21	24	60	4.42	< 10	< 1	0.39	< 10	4.00
B410026	0.2	< 0.5	96	578	< 1	59	< 2	48	3.38	6	< 10	60	< 0.5	< 2	2.68	35	83	4.98	< 10	< 1	0.42	< 10	1.83
B410027	0.3	< 0.5	98	543	< 1	56	< 2	54	3.76	6	< 10	55	< 0.5	< 2	2.75	31	84	4.87	< 10	1	0.43	< 10	1.90
B410028	0.3	< 0.5	102	548	< 1	51	< 2	81	3.35	8	< 10	21	< 0.5	< 2	2.52	31	81	4.83	< 10	< 1	0.13	< 10	1.96
B410029	0.4	< 0.5	114	537	< 1	48	< 2	47	3.44	11	< 10	16	< 0.5	< 2	2.80	31	73	4.50	< 10	< 1	0.10	< 10	1.75
B410030	< 0.2	< 0.5	1	75	< 1	< 1	< 2	2	0.10	< 2	< 10	15	< 0.5	< 2	0.07	< 1	7	0.56	< 10	< 1	0.01	< 10	0.01
B410031	0.5	< 0.5	209	540	< 1	71	< 2	57	3.82	7	< 10	37	< 0.5	< 2	2.68	37	95	5.08	< 10	3	0.23	< 10	1.94
B410032	0.2	< 0.5	81	550	< 1	53	< 2	45	3.45	12	< 10	16	< 0.5	< 2	2.79	32	74	4.74	< 10	< 1	0.11	< 10	1.82
B410033	< 0.2	< 0.5	35	561	3	50	< 2	42	2.62	11	< 10	13	< 0.5	< 2	2.30	30	73	4.40	< 10	< 1	0.10	< 10	1.79
B410034	< 0.2	< 0.5	36	549	3	43	< 2	41	2.68	12	< 10	13	< 0.5	< 2	2.43	25	67	3.97	< 10	< 1	0.10	< 10	1.71
B410035	< 0.2	< 0.5	73	574	9	65	< 2	48	3.89	16	< 10	28	< 0.5	< 2	3.14	35	83	4.52	< 10	< 1	0.20	< 10	1.78
B410036	< 0.2	< 0.5	62	508	6	62	< 2	47	3.72	17	< 10	37	< 0.5	< 2	2.73	34	80	4.26	< 10	< 1	0.25	< 10	1.75
B410037	< 0.2	< 0.5	104	599	11	70	< 2	75	3.82	7	< 10	87	< 0.5	< 2	2.32	38	90	5.19	< 10	1	0.88	< 10	2.08
B410038	0.4	< 0.5	110	870	6	72	< 2	91	4.62	14	< 10	81	< 0.5	< 2	2.59	29	102	7.87	10	< 1	0.92	< 10	3.07
B410039	0.3	< 0.5	92	602	3	63	< 2	52	4.00	8	< 10	55	< 0.5	< 2	3.13	35	86	4.85	< 10	< 1	0.38	< 10	1.77
B410040	0.3	< 0.5	78	1340	< 1	112	< 2	80	1.91	1080	< 10	61	< 0.5	< 2	1.95	30	47	6.05	< 10	< 1	0.08	13	2.33
B410041	0.3	< 0.5	195	586	< 1	71	< 2	49	3.55	26	< 10	81	< 0.5	< 2	3.09	40	82	4.78	< 10	2	0.56	< 10	1.82
B410042	< 0.2	< 0.5	98	621	17	61	< 2	52	3.22	6	< 10	53	< 0.5	< 2	2.72	35	83	4.68	< 10	< 1	0.38	< 10	1.75
B410043	< 0.2	0.5	71	581	< 1	59	< 2	54	3.65	10	< 10	37	< 0.5	< 2	2.87	34	82	4.58	< 10	< 1	0.31	< 10	1.77
B410044	< 0.2	< 0.5	91	513	< 1	56	< 2	43	3.93	7	< 10	42	< 0.5	< 2	3.53	30	70	4.09	< 10	< 1	0.36	< 10	1.61
B410045	0.3	< 0.5	88	528	26	60	< 2	46	4.57	< 2	< 10	50	< 0.5	< 2	3.40	31	80	4.57	< 10	2	0.44	< 10	1.76
B410046	0.4	< 0.5	125	562	< 1	65	< 2	44	4.48	2	< 10	47	< 0.5	< 2	3.30	33	78	4.82	< 10	2	0.42	< 10	1.75
B410047	0.5	< 0.5	69	951	< 1	52	< 2	41	3.01	4	< 10	65	< 0.5	< 2	7.60	24	70	5.28	< 10	< 1	0.79	< 10	4.99
B410048	1.4	< 0.5	118	832	< 1	79	3	69	3.49	10	< 10	68	< 0.5	2	3.78	36	104	6.30	< 10	< 1	1.32	< 10	2.49
B410049	0.8	< 0.5	111	1240	< 1	66	< 2	51	3.62	19	< 10	65	< 0.5	3	7.63	39	87	6.84	< 10	< 1	1.70	< 10	4.26
B410050	< 0.2	< 0.5	1	82	< 1	1	< 2	4	0.10	< 2	< 10	18	< 0.5	< 2	0.03	< 1	8	0.65	< 10	< 1	0.02	< 10	0.02
B410051	0.4	< 0.5	97	1030	< 1	72	< 2	48	4.48	< 2	< 10	75	< 0.5	4	4.82	35	105	7.19	< 10	< 1	1.24	< 10	2.85

Results

Activation Laboratories Ltd.

Report: A21-05893

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2		0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B410052	0.6	< 0.5	167	1360	2	79	< 2	41	4.50	< 2	< 10	65	0.5	3	5.81	40	99	6.98	10	< 1	1.65	< 10	2.85
B410053	0.5	< 0.5	141	915	2	67	< 2	39	3.76	4	< 10	56	< 0.5	< 2	5.14	42	95	6.32	10	1	1.61	< 10	3.15
B410054	1.1	< 0.5	155	685	< 1	86	< 2	35	2.83	12	10	147	< 0.5	< 2	5.72	33	168	5.29	< 10	< 1	0.91	< 10	2.90
B410055	0.3	< 0.5	86	595	2	57	< 2	46	2.44	< 2	< 10	80	< 0.5	< 2	2.43	30	89	4.91	< 10	< 1	0.44	< 10	1.81
B410056	0.4	< 0.5	115	619	< 1	64	< 2	50	2.79	< 2	< 10	106	< 0.5	< 2	2.49	34	95	5.35	< 10	< 1	0.55	< 10	1.88
B410057	0.6	< 0.5	115	827	5	70	< 2	59	2.70	< 2	< 10	71	< 0.5	< 2	4.34	34	97	5.83	< 10	1	0.59	< 10	2.20
B410058	0.6	< 0.5	114	669	< 1	85	< 2	61	2.79	2	< 10	99	< 0.5	< 2	3.00	40	111	6.21	< 10	2	0.98	< 10	2.16
B410059	0.4	< 0.5	95	771	4	78	< 2	84	3.12	< 2	< 10	141	< 0.5	< 2	3.71	37	102	6.21	< 10	< 1	0.71	< 10	2.18
B410060	< 0.2	< 0.5	49	567	< 1	120	9	98	2.22	12	< 10	97	0.7	< 2	1.23	34	59	5.00	< 10	< 1	0.13	16	1.71
B410061	< 0.2	< 0.5	29	418	< 1	157	< 2	47	1.68	36	10	356	< 0.5	< 2	2.81	24	308	2.55	< 10	< 1	0.30	78	2.14
B410062	0.6	< 0.5	139	542	< 1	105	< 2	52	2.05	17	< 10	129	< 0.5	< 2	2.23	36	129	4.31	< 10	< 1	0.19	25	1.95
B410063	0.5	< 0.5	95	584	8	96	< 2	51	2.06	12	< 10	67	< 0.5	< 2	2.34	34	123	4.41	< 10	< 1	0.13	22	1.91
B410064	0.5	< 0.5	81	528	1	127	2	58	2.04	12	< 10	125	< 0.5	< 2	2.49	35	282	3.95	< 10	< 1	0.18	40	2.21
B410065	< 0.2	< 0.5	6	520	< 1	226	< 2	55	2.64	6	17	81	< 0.5	< 2	2.11	28	710	3.80	< 10	< 1	0.20	48	3.55
B410066	< 0.2	< 0.5	66	570	< 1	95	< 2	51	2.06	6	10	39	< 0.5	< 2	2.49	24	309	3.62	< 10	< 1	0.09	38	2.23
B410067	< 0.2	< 0.5	108	628	< 1	22	< 2	39	1.96	3	< 10	26	< 0.5	< 2	2.02	27	14	5.19	< 10	< 1	0.13	11	1.71
B410068	< 0.2	< 0.5	78	855	< 1	46	< 2	41	2.41	3	27	18	< 0.5	< 2	1.67	28	20	5.36	< 10	< 1	0.10	33	2.64
B410069	< 0.2	< 0.5	91	763	10	23	< 2	54	2.20	10	< 10	15	< 0.5	< 2	2.18	31	13	5.19	< 10	< 1	0.08	< 10	1.81
B410070	< 0.2	< 0.5	4	56	< 1	< 1	< 2	5	0.07	< 2	< 10	13	< 0.5	< 2	< 0.01	< 1	5	0.48	< 10	< 1	0.01	< 10	< 0.01
B410071	< 0.2	< 0.5	91	826	10	33	< 2	59	2.56	10	19	17	< 0.5	< 2	2.04	33	13	6.22	< 10	2	0.07	< 10	2.21
B410072	0.3	< 0.5	151	803	2	37	< 2	61	3.37	39	18	19	< 0.5	< 2	1.82	43	13	6.98	10	< 1	0.08	< 10	2.80
B410073	1.0	< 0.5	185	807	6	35	2	56	3.56	36	15	21	< 0.5	< 2	2.13	44	14	7.54	10	< 1	0.10	< 10	2.70
B410074	3.2	< 0.5	184	510	4	31	10	34	2.80	4360	20	27	< 0.5	< 2	1.14	44	11	8.11	10	< 1	0.22	< 10	2.73
B410075	2.1	< 0.5	137	563	19	32	28	75	2.41	2740	< 10	29	< 0.5	< 2	1.08	41	18	6.49	< 10	< 1	0.25	< 10	2.08
B410076	2.3	3.1	35	387	767	36	29	376	1.18	112	12	25	< 0.5	< 2	1.62	21	46	2.32	< 10	< 1	0.09	< 10	1.18
B410077	< 0.2	< 0.5	5	167	658	11	< 2	12	0.52	3	< 10	10	< 0.5	< 2	0.63	5	24	1.08	< 10	< 1	0.04	< 10	0.41
B410078	< 0.2	< 0.5	5	169	731	12	< 2	12	0.58	4	< 10	< 10	< 0.5	< 2	0.71	7	24	1.12	< 10	< 1	0.03	< 10	0.45
B410079	< 0.2	< 0.5	4	114	9	3	< 2	7	0.23	< 2	< 10	< 10	< 0.5	< 2	0.40	2	6	0.83	< 10	< 1	0.02	< 10	0.21
B410080	1.5	< 0.5	130	618	3	158	27	71	3.19	57	18	60	< 0.5	< 2	3.16	31	424	4.38	< 10	< 1	0.20	< 10	3.15
B410081	< 0.2	< 0.5	9	154	36	6	< 2	12	0.44	< 2	< 10	15	< 0.5	< 2	0.61	5	9	1.16	< 10	< 1	0.06	< 10	0.35
B410082	< 0.2	< 0.5	39	378	25	15	< 2	22	1.02	< 2	< 10	23	< 0.5	< 2	1.73	13	12	2.67	< 10	< 1	0.14	< 10	0.91
B410083	< 0.2	< 0.5	88	545	14	19	< 2	31	1.52	< 2	< 10	17	< 0.5	< 2	2.70	19	11	4.29	< 10	< 1	0.11	< 10	1.25
B410084	< 0.2	< 0.5	131	487	18	19	< 2	30	1.32	< 2	< 10	14	< 0.5	< 2	1.97	22	12	5.00	< 10	< 1	0.10	< 10	1.18
B410085	< 0.2	< 0.5	45	596	6	23	< 2	39	1.62	2	< 10	25	< 0.5	< 2	2.36	23	16	4.67	< 10	< 1	0.22	< 10	1.57
B410086	0.2	< 0.5	195	945	< 1	79	11	69	2.47	7	< 10	124	< 0.5	< 2	5.54	37	108	5.12	< 10	< 1	0.67	< 10	1.90
B410087	0.3	< 0.5	170	752	< 1	96	< 2	79	2.93	34	< 10	88	< 0.5	< 2	3.24	41	214	5.85	< 10	1	0.36	< 10	2.23
B410088	< 0.2	< 0.5	195	793	5	72	< 2	73	2.85	29	< 10	40	< 0.5	< 2	3.49	37	168	6.04	< 10	1	0.18	< 10	2.29
B410089	0.2	< 0.5	224	720	20	69	< 2	68	2.60	32	< 10	78	< 0.5	< 2	3.29	38	153	5.44	< 10	2	0.30	< 10	2.03
B410090	< 0.2	< 0.5	5	59	< 1	1	< 2	6	0.08	< 2	< 10	18	< 0.5	< 2	0.02	< 1	5	0.52	< 10	< 1	0.01	< 10	0.01
B410091	0.2	< 0.5	162	726	1	80	< 2	90	3.30	41	< 10	94	< 0.5	< 2	2.73	45	168	6.23	< 10	1	0.36	< 10	2.91
B410092	< 0.2	< 0.5	173	767	2	78	< 2	93	3.39	50	< 10	80	< 0.5	< 2	3.03	43	166	6.31	< 10	< 1	0.34	< 10	2.92
B410093	< 0.2	< 0.5	170	784	< 1	72	< 2	83	2.85	33	< 10	55	< 0.5	< 2	3.53	38	159	6.12	< 10	2	0.19	< 10	2.38
B410094	0.3	< 0.5	204	773	< 1	83	< 2	88	3.15	38	< 10	40	< 0.5	< 2	3.04	38	211	6.14	< 10	< 1	0.16	< 10	2.54
B410095	0.5	0.8	330	793	1	199	3	180	4.83	95	< 10	18	< 0.5	< 2	0.41	58	468	10.4	10	< 1	0.05	< 10	3.46
B410096	0.4	< 0.5	248	814	< 1	193	7	148	4.79	114	< 10	19	< 0.5	< 2	0.82	71	458	9.87	10	< 1	0.06	< 10	3.49
B410097	0.4	< 0.5	141	914	2	134	6	93	3.12	75	< 10	12	< 0.5	< 2	4.52	44	306	7.27	< 10	2	0.03	14	3.46
B410098	0.3	< 0.5	164	751	< 1	121	< 2	85	2.92	58	< 10	37	< 0.5	< 2	2.74	48	285	5.87	< 10	< 1	0.15	< 10	2.47
B410099	0.3	< 0.5	191	966	< 1	89	3	71	2.55	12	< 10	57	< 0.5	< 2	5.16	34	177	5.79	< 10	< 1	0.40	< 10	2.20
B410100	0.3	< 0.5	78	1340	< 1	115	2	79	1.90	1110	< 10	66	< 0.5	< 2	1.92	28	45	6.09	< 10	< 1	0.08	13	2.33
B410101	0.2	< 0.5	186	769	< 1	87	< 2	83	2.29	14	< 10	63	< 0.5	< 2	3.36	36	138	5.46	< 10	< 1	0.30	< 10	1.90
B410102	0.4	< 0.5	282	831	< 1	70	< 2	128	2.22	6	< 10	74	< 0.5	< 2	3.54	42	50	6.57	< 10	1	0.60	< 10	1.79

## Results

## Activation Laboratories Ltd.

## Report: A21-05893

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2		0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B410103	0.5	< 0.5	386	837	< 1	80	< 2	100	2.50	12	< 10	72	< 0.5	< 2	3.00	36	121	7.03	< 10	< 1	0.44	< 10	1.91
B410104	0.2	< 0.5	161	827	< 1	83	< 2	61	2.35	22	< 10	136	< 0.5	< 2	4.08	40	140	4.98	< 10	< 1	0.54	< 10	1.93
B410105	0.2	< 0.5	114	687	< 1	168	< 2	64	2.33	101	< 10	137	< 0.5	< 2	3.09	58	266	4.83	< 10	< 1	0.58	23	2.10
B410106	0.3	< 0.5	193	967	< 1	102	< 2	65	2.75	22	< 10	71	< 0.5	< 2	4.96	46	162	7.05	< 10	< 1	0.42	< 10	2.24
B410107	0.3	< 0.5	215	807	< 1	112	< 2	73	3.00	21	< 10	98	< 0.5	< 2	2.99	53	159	7.16	< 10	< 1	0.44	< 10	2.26
B410108	0.3	< 0.5	291	889	< 1	91	< 2	73	2.38	7	< 10	46	< 0.5	< 2	4.41	36	124	5.62	< 10	< 1	0.18	< 10	2.04
B410109	< 0.2	< 0.5	271	741	< 1	93	< 2	71	2.13	< 2	< 10	67	< 0.5	< 2	3.09	40	110	5.53	< 10	< 1	0.24	< 10	1.79
B410110	< 0.2	< 0.5	7	53	< 1	< 1	< 2	8	0.08	< 2	< 10	16	< 0.5	< 2	0.01	< 1	5	0.44	< 10	< 1	0.01	< 10	0.01
B410111	0.4	< 0.5	402	700	< 1	102	< 2	65	2.12	3	< 10	65	< 0.5	< 2	3.08	43	140	6.02	< 10	< 1	0.58	< 10	1.76
B410112	0.4	< 0.5	266	843	< 1	96	< 2	72	2.45	10	< 10	85	< 0.5	< 2	3.81	39	129	6.09	< 10	< 1	0.31	< 10	2.07
B410113	0.4	< 0.5	180	855	< 1	80	< 2	74	2.23	56	< 10	198	< 0.5	< 2	4.20	41	175	5.32	< 10	< 1	0.92	< 10	1.82
B410114	0.5	< 0.5	142	828	< 1	94	< 2	75	2.13	117	< 10	155	< 0.5	< 2	3.95	45	188	5.52	< 10	< 1	1.09	< 10	1.85
B410115	0.3	< 0.5	196	795	3	137	< 2	55	1.78	90	< 10	64	< 0.5	< 2	5.05	37	245	4.76	< 10	< 1	0.24	< 10	1.84
B410116	0.4	< 0.5	221	729	< 1	114	3	59	1.83	55	< 10	74	< 0.5	< 2	3.87	42	205	5.42	< 10	< 1	0.30	10	1.86
B410117	0.5	< 0.5	276	689	< 1	50	2	46	1.63	20	< 10	49	< 0.5	< 2	2.65	46	7	5.97	< 10	< 1	0.20	< 10	1.43
B410118	0.3	< 0.5	273	805	< 1	107	< 2	49	1.75	50	< 10	61	< 0.5	< 2	4.63	36	170	4.56	< 10	< 1	0.24	< 10	1.81
B410119	0.3	< 0.5	201	726	< 1	59	< 2	53	1.52	48	< 10	13	< 0.5	< 2	3.24	42	96	4.89	< 10	< 1	0.08	< 10	1.45
B410120	< 0.2	< 0.5	51	581	< 1	128	10	99	2.26	12	< 10	100	0.7	< 2	1.24	35	60	5.15	< 10	< 1	0.14	17	1.77
B410121	1.1	< 0.5	114	336	11	173	< 2	44	1.52	6	< 10	268	< 0.5	< 2	1.89	27	494	2.45	< 10	< 1	0.60	62	1.84
B410122	0.6	< 0.5	84	341	9	203	6	48	1.92	22	< 10	283	< 0.5	< 2	1.88	36	671	2.72	< 10	< 1	0.96	64	2.30
B410123	4.7	< 0.5	143	487	11	181	7	70	1.95	95	< 10	182	< 0.5	< 2	3.92	29	363	2.66	< 10	< 1	0.46	20	3.14
B410124	0.2	< 0.5	36	262	< 1	152	< 2	28	1.52	9	< 10	214	< 0.5	< 2	0.97	22	461	1.97	< 10	< 1	0.49	< 10	1.76
B410125	0.8	< 0.5	141	345	3	161	2	69	2.47	4	< 10	186	< 0.5	< 2	0.51	34	487	3.51	< 10	< 1	0.59	10	2.72
B410126	0.3	< 0.5	210	718	2	56	< 2	55	1.54	36	< 10	11	< 0.5	< 2	3.18	36	111	4.81	< 10	< 1	0.07	< 10	1.49
B410127	0.4	< 0.5	275	667	< 1	60	< 2	52	1.50	32	< 10	14	< 0.5	< 2	3.02	37	118	4.68	< 10	< 1	0.07	< 10	1.44
B410128	0.3	< 0.5	242	659	4	60	< 2	51	1.33	34	< 10	15	< 0.5	< 2	2.69	34	136	4.57	< 10	< 1	0.07	< 10	1.45
B410129	0.9	< 0.5	501	738	2	88	< 2	57	1.77	48	< 10	131	< 0.5	< 2	3.77	40	317	4.33	< 10	< 1	0.41	< 10	1.80
B410130	< 0.2	< 0.5	3	61	< 1	1	< 2	4	0.06	< 2	< 10	14	< 0.5	< 2	< 0.01	< 1	4	0.49	< 10	< 1	0.01	< 10	< 0.01
B410131	0.4	< 0.5	185	827	< 1	62	< 2	61	1.93	17	< 10	49	< 0.5	< 2	4.16	35	122	4.88	< 10	< 1	0.20	< 10	1.72
B410132	0.4	< 0.5	249	660	2	58	< 2	51	1.54	10	< 10	96	< 0.5	< 2	2.59	34	100	5.09	< 10	< 1	0.23	< 10	1.37
B410133	0.4	< 0.5	171	713	< 1	69	< 2	56	1.73	20	< 10	109	< 0.5	< 2	2.99	33	167	5.14	< 10	< 1	0.34	< 10	1.64
B410134	0.4	0.6	335	748	< 1	66	< 2	55	1.62	9	< 10	68	< 0.5	< 2	3.46	41	117	5.02	< 10	< 1	0.19	< 10	1.39
B410135	< 0.2	< 0.5	195	748	< 1	51	< 2	62	2.27	11	< 10	49	< 0.5	< 2	2.62	36	86	5.68	< 10	< 1	0.16	< 10	1.94
B410136	0.5	< 0.5	376	733	< 1	55	< 2	61	2.18	14	< 10	17	< 0.5	< 2	2.53	40	64	5.62	< 10	< 1	0.07	< 10	1.80
B410137	0.7	< 0.5	331	789	< 1	43	< 2	59	1.71	13	< 10	11	< 0.5	< 2	2.90	33	47	5.84	< 10	< 1	0.05	< 10	1.42
B410138	0.6	< 0.5	299	775	< 1	42	< 2	64	1.65	11	< 10	13	< 0.5	< 2	2.80	31	31	6.36	< 10	< 1	0.06	< 10	1.30
B410139	< 0.2	< 0.5	49	560	< 1	104	< 2	56	1.85	24	< 10	35	< 0.5	< 2	2.01	28	256	3.72	< 10	< 1	0.11	< 10	1.78
B410141	0.6	< 0.5	521	688	< 1	52	< 2	65	1.92	8	< 10	26	< 0.5	< 2	2.52	45	29	6.14	< 10	< 1	0.09	< 10	1.43
B410142	0.2	< 0.5	236	736	< 1	54	< 2	59	1.84	6	< 10	14	< 0.5	< 2	2.86	35	37	5.76	< 10	2	0.06	< 10	1.40
B410143	0.2	< 0.5	288	673	< 1	51	< 2	54	1.84	8	< 10	81	< 0.5	< 2	2.78	39	36	5.61	< 10	< 1	0.26	< 10	1.50
B410144	0.3	< 0.5	259	551	< 1	174	< 2	105	2.55	94	< 10	58	< 0.5	< 2	1.72	63	236	6.01	< 10	< 1	0.84	12	2.24
B410145	1.3	0.5	356	594	< 1	164	< 2	126	3.09	64	< 10	109	< 0.5	< 2	1.96	59	256	5.53	< 10	1	0.91	11	2.97
B410146	0.4	< 0.5	343	777	< 1	67	< 2	53	1.89	8	< 10	< 10	< 0.5	< 2	3.45	40	60	5.47	< 10	< 1	0.06	< 10	1.56
B410147	0.9	< 0.5	445	586	2	88	< 2	70	2.61	21	< 10	109	< 0.5	< 2	2.13	38	137	5.17	< 10	< 1	0.46	< 10	2.39
B410148	0.3	< 0.5	124	607	< 1	160	< 2	85	3.34	14	< 10	326	< 0.5	< 2	3.53	33	338	4.53	< 10	< 1	1.17	24	2.98
B410149	0.3	< 0.5	120	487	7	198	5	81	2.57	16	< 10	269	< 0.5	< 2	2.23	30	393	3.74	< 10	< 1	0.88	20	2.56
B410150																							
B410151	0.9	< 0.5	689	455	4	84	3	66	1.88	7	< 10	55	< 0.5	< 2	1.54	87	75	5.84	< 10	< 1	0.42	10	1.87
B410152	0.4	< 0.5	38	447	< 1	247	< 2	87	2.83	23	< 10	324	< 0.5	< 2	1.63	34	599	3.89	< 10	< 1	1.11	26	3.01
B410153	0.8	< 0.5	104	490	< 1	305	2	109	3.20	29	< 10	401	< 0.5	< 2	2.64	41	633	3.78	< 10	< 1	1.40	23	3.45
B410154	1.0	3.5	66	1100	< 1	37	4	328	0.63	44	< 10	31	< 0.5	< 2	> 10.0	4	75	1.73	< 10	< 1	0.12	< 10	5.27

## Results

## Activation Laboratories Ltd.

Report: A21-05893

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2		0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B410155	0.3	< 0.5	84	564	< 1	310	5	158	2.34	27	< 10	148	< 0.5	< 2	4.66	32	524	3.29	< 10	< 1	0.73	24	3.84
B410156	0.4	< 0.5	58	550	< 1	328	3	202	2.84	32	< 10	141	< 0.5	< 2	3.79	39	613	3.64	< 10	< 1	0.82	25	3.95
B410157	0.6	< 0.5	30	501	< 1	345	3	142	3.03	20	< 10	401	< 0.5	< 2	3.05	39	715	3.47	< 10	< 1	1.29	19	3.61
B410158	1.3	0.7	190	932	2	53	2	33	1.10	12	< 10	68	< 0.5	< 2	9.85	26	33	2.97	< 10	< 1	0.20	14	2.35
B410159	0.8	< 0.5	100	452	< 1	196	3	47	2.19	9	< 10	167	< 0.5	< 2	2.11	32	445	3.50	< 10	< 1	0.54	< 10	2.53
B410161	< 0.2	< 0.5	55	428	< 1	180	< 2	48	2.17	11	< 10	177	< 0.5	< 2	1.45	25	472	2.89	< 10	< 1	0.45	10	2.46
B410162	0.9	< 0.5	90	325	2	103	< 2	39	1.88	15	< 10	239	< 0.5	< 2	0.78	34	224	3.55	< 10	< 1	0.91	11	1.83
B410163	< 0.2	< 0.5	226	407	< 1	154	< 2	45	1.88	30	< 10	86	< 0.5	< 2	1.33	27	427	2.82	< 10	< 1	0.27	10	2.25
B410164	< 0.2	< 0.5	64	474	< 1	195	9	49	2.29	28	< 10	114	< 0.5	< 2	2.12	29	478	3.19	< 10	< 1	0.38	21	2.51
B410165	0.5	< 0.5	167	485	7	172	< 2	47	1.87	103	< 10	83	< 0.5	< 2	2.31	42	341	3.03	< 10	< 1	0.22	24	1.97
B410166	0.6	< 0.5	219	555	20	138	< 2	52	2.10	40	< 10	148	< 0.5	< 2	1.90	47	177	4.91	< 10	< 1	0.47	< 10	2.01
B410167	0.6	< 0.5	160	580	8	123	4	55	1.87	24	< 10	28	< 0.5	< 2	2.33	29	136	4.17	< 10	< 1	0.09	< 10	1.94
B410168	1.2	< 0.5	425	791	24	106	< 2	115	2.42	9	< 10	116	< 0.5	< 2	2.70	46	61	6.62	< 10	< 1	0.43	< 10	2.00
B410169	0.8	< 0.5	208	864	8	68	< 2	122	2.30	16	< 10	69	< 0.5	< 2	3.30	38	51	6.12	< 10	< 1	0.27	< 10	1.83
B410171	0.3	< 0.5	135	913	3	60	< 2	91	2.63	15	< 10	133	< 0.5	< 2	3.46	38	65	6.92	< 10	< 1	0.67	< 10	2.07
B410172	0.6	< 0.5	225	787	6	53	< 2	75	2.12	28	< 10	83	< 0.5	< 2	3.02	40	43	5.93	< 10	2	0.41	< 10	1.61
B410173	0.7	< 0.5	219	769	< 1	41	< 2	57	1.72	24	< 10	17	< 0.5	< 2	2.90	38	37	5.20	< 10	< 1	0.11	< 10	1.43
B410174	0.8	< 0.5	338	758	< 1	46	< 2	54	1.65	18	< 10	12	< 0.5	< 2	2.89	37	41	4.90	< 10	< 1	0.08	< 10	1.40
B410175	0.5	< 0.5	304	739	< 1	51	< 2	56	1.89	24	< 10	28	< 0.5	< 2	2.98	33	50	5.19	< 10	< 1	0.12	< 10	1.56
B410176	0.6	< 0.5	233	790	< 1	49	< 2	61	1.98	24	< 10	40	< 0.5	< 2	3.09	34	53	5.38	< 10	< 1	0.16	< 10	1.63
B410177	0.5	< 0.5	251	805	< 1	52	< 2	68	2.17	24	< 10	130	< 0.5	< 2	3.28	36	55	5.59	< 10	< 1	0.53	< 10	1.70
B410178	0.7	< 0.5	198	813	< 1	54	< 2	74	2.43	14	< 10	83	< 0.5	< 2	3.08	35	56	6.06	< 10	2	0.34	< 10	1.86
B410179	0.5	< 0.5	193	1070	8	65	< 2	87	3.44	15	< 10	120	< 0.5	< 2	4.37	44	44	7.95	10	1	0.59	< 10	2.71
B410181	0.5	< 0.5	272	655	8	40	< 2	72	1.92	11	< 10	100	< 0.5	< 2	2.10	32	26	5.72	< 10	< 1	0.38	< 10	1.62
B410182	0.5	< 0.5	183	771	7	52	< 2	71	1.96	9	< 10	236	< 0.5	< 2	3.26	32	62	6.03	< 10	1	0.98	< 10	1.66
B410183	1.0	< 0.5	320	693	4	47	4	72	1.83	6	< 10	161	< 0.5	< 2	3.09	29	60	5.02	< 10	< 1	0.81	< 10	1.62
B410184	0.7	< 0.5	137	854	3	95	< 2	83	2.43	21	< 10	271	< 0.5	< 2	4.24	38	271	5.13	< 10	< 1	1.28	< 10	2.27
B410185	0.5	< 0.5	123	795	2	153	< 2	65	2.71	69	< 10	75	< 0.5	< 2	2.70	57	317	6.07	< 10	1	0.40	< 10	2.12
B410186	0.3	< 0.5	88	912	1	105	< 2	47	2.02	47	< 10	94	< 0.5	< 2	4.85	41	306	4.24	< 10	< 1	0.30	< 10	2.05
B410187	0.3	< 0.5	51	748	4	92	< 2	48	2.53	45	< 10	135	< 0.5	< 2	4.07	35	240	3.53	< 10	< 1	0.69	11	1.95
B410188	< 0.2	< 0.5	3	325	3	73	2	44	2.42	36	< 10	150	< 0.5	< 2	0.84	15	184	2.01	< 10	< 1	1.11	30	1.57
B410189	< 0.2	< 0.5	1	173	< 1	9	7	23	0.88	8	< 10	59	< 0.5	< 2	0.41	6	5	1.13	< 10	< 1	0.22	13	0.54
B410191	0.3	< 0.5	64	605	4	75	7	47	1.73	7	< 10	78	< 0.5	< 2	2.98	24	174	3.08	< 10	< 1	0.47	< 10	1.65
B410192	0.2	< 0.5	73	795	17	96	< 2	50	1.96	3	< 10	143	< 0.5	< 2	4.41	28	282	3.99	< 10	< 1	1.14	< 10	2.13
B410193	< 0.2	< 0.5	37	748	34	84	< 2	48	1.30	4	< 10	141	< 0.5	< 2	3.91	24	376	4.05	< 10	< 1	0.73	< 10	1.73
B410194	< 0.2	< 0.5	111	533	< 1	174	< 2	40	1.94	14	< 10	439	< 0.5	< 2	3.33	29	602	3.30	< 10	< 1	1.43	63	2.53
B410195	< 0.2	< 0.5	35	596	< 1	171	< 2	40	1.93	18	< 10	123	< 0.5	< 2	3.95	32	579	3.31	< 10	< 1	1.32	57	2.81
B410196	< 0.2	< 0.5	33	516	< 1	182	< 2	43	2.04	17	< 10	118	< 0.5	< 2	3.28	31	597	3.36	< 10	< 1	1.38	53	2.93
B410197	1.5	< 0.5	86	716	5	148	3	38	1.34	165	< 10	59	< 0.5	< 2	4.96	51	344	4.03	< 10	< 1	0.20	< 10	1.74
B410198	0.2	< 0.5	53	576	10	140	< 2	22	1.06	8	< 10	12	< 0.5	< 2	4.36	37	256	2.68	< 10	< 1	0.05	< 10	1.26
B410199	0.2	< 0.5	75	461	2	135	< 2	37	1.92	23	< 10	41	< 0.5	< 2	2.56	36	309	3.41	< 10	< 1	0.16	< 10	1.92
B410201	0.3	< 0.5	104	601	5	180	4	38	1.91	28	< 10	66	< 0.5	< 2	4.00	52	444	4.56	< 10	< 1	0.32	< 10	1.98
B410202	< 0.2	< 0.5	83	563	2	153	< 2	33	1.14	5	< 10	25	< 0.5	< 2	3.66	37	328	3.06	< 10	< 1	0.08	< 10	1.74
B410203	0.3	< 0.5	92	549	4	188	< 2	35	1.37	28	< 10	13	< 0.5	< 2	2.96	39	281	3.30	< 10	< 1	0.05	< 10	1.88
B410204	0.4	< 0.5	111	660	2	240	5	34	1.44	13	< 10	51	< 0.5	< 2	4.45	47	261	3.37	< 10	< 1	0.14	18	1.86
B410205	0.4	< 0.5	114	713	2	179	< 2	34	1.44	9	< 10	91	< 0.5	< 2	4.40	36	273	3.31	< 10	< 1	0.19	21	1.78
B410206	0.8	< 0.5	166	521	17	228	6	51	1.70	29	< 10	215	< 0.5	< 2	2.89	47	302	3.27	< 10	< 1	0.57	43	1.89
B410207	0.8	< 0.5	170	583	75	223	4	54	1.79	22	< 10	148	< 0.5	< 2	2.54	43	287	3.51	< 10	< 1	0.76	35	1.93
B410208	0.9	< 0.5	105	1290	10	170	3	38	2.01	72	< 10	65	< 0.5	< 2	6.74	47	407	5.13	< 10	< 1	0.32	< 10	2.54
B410209	0.4	< 0.5	41	903	2	163	< 2	25	1.41	5	< 10	87	< 0.5	< 2	4.48	34	303	3.64	< 10	< 1	0.44	< 10	1.51
B410211	0.4	< 0.5	42	1270	2	236	5	20	0.90	2	< 10	29	< 0.5	< 2	6.61	37	171	3.02	< 10	< 1	0.10	< 10	1.35

## Results

## Activation Laboratories Ltd.

## Report: A21-05893

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2		0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B410212	0.6	< 0.5	71	997	< 1	225	3	26	1.47	< 2	< 10	69	< 0.5	< 2	5.99	50	326	4.06	< 10	< 1	0.19	< 10	1.65
B410213	0.7	< 0.5	113	562	< 1	230	8	33	1.86	3	< 10	41	< 0.5	< 2	3.17	46	256	3.81	< 10	< 1	0.11	< 10	1.63
B410214	0.8	< 0.5	165	520	3	225	4	48	1.14	5	< 10	52	< 0.5	< 2	2.93	49	209	3.44	< 10	< 1	0.11	< 10	1.27
B410215	1.7	< 0.5	120	460	33	80	7	58	1.25	5	< 10	11	< 0.5	< 2	1.03	25	89	3.24	< 10	< 1	0.03	< 10	1.17
B410216	1.3	< 0.5	145	491	50	104	7	70	1.43	5	< 10	13	< 0.5	< 2	0.91	32	103	3.75	< 10	< 1	0.03	< 10	1.33
B410217	3.7	< 0.5	251	521	52	180	21	71	1.57	11	< 10	42	< 0.5	< 2	1.33	51	283	4.20	< 10	< 1	0.10	26	1.77
B410218	0.7	< 0.5	171	394	21	231	10	65	1.78	8	< 10	209	< 0.5	< 2	1.98	40	636	3.02	< 10	< 1	0.65	81	2.53
B410219	< 0.2	0.6	21	372	< 1	207	6	53	1.99	8	< 10	299	< 0.5	< 2	2.02	33	732	2.77	< 10	< 1	1.19	85	2.80
B410221	0.3	< 0.5	59	379	< 1	171	< 2	43	1.71	6	< 10	208	< 0.5	< 2	2.25	31	466	2.89	< 10	< 1	0.96	69	2.29
B410222	0.4	< 0.5	62	308	1	53	2	59	1.37	< 2	< 10	347	< 0.5	< 2	0.98	15	82	2.34	< 10	< 1	0.62	26	1.18
B410223	< 0.2	< 0.5	12	323	< 1	35	4	66	1.47	2	< 10	403	< 0.5	< 2	0.92	13	53	2.40	< 10	< 1	0.73	22	1.09
B410224	0.2	< 0.5	14	414	< 1	36	6	72	1.73	< 2	< 10	571	< 0.5	< 2	1.41	12	51	2.61	10	< 1	1.02	21	1.20
B410225	0.3	< 0.5	17	365	< 1	36	24	75	1.57	< 2	< 10	491	< 0.5	< 2	1.14	11	50	2.51	< 10	< 1	0.90	21	1.13
B410226	1.1	< 0.5	169	305	5	261	9	46	2.95	257	< 10	211	< 0.5	< 2	2.83	45	312	2.09	< 10	< 1	0.43	46	1.81
B410227	0.8	< 0.5	101	282	12	170	6	49	2.37	67	< 10	242	< 0.5	< 2	1.94	35	370	2.06	< 10	< 1	0.49	12	1.66
B410228	0.6	< 0.5	116	324	7	230	6	53	2.64	123	< 10	323	< 0.5	< 2	1.68	45	411	2.70	< 10	< 1	0.83	38	2.05
B410229	1.6	< 0.5	369	416	16	169	< 2	60	2.63	24	< 10	126	< 0.5	< 2	1.12	44	307	4.59	< 10	< 1	1.09	16	2.34
B410230																							
B410231	1.4	< 0.5	408	573	12	139	< 2	53	3.86	367	< 10	80	< 0.5	< 2	2.46	53	148	5.25	< 10	< 1	0.64	< 10	1.90
B410232	3.2	0.5	721	604	12	142	3	59	4.52	306	< 10	46	< 0.5	< 2	2.26	60	145	5.98	10	1	1.22	< 10	1.78
B410233	0.8	< 0.5	202	842	5	84	< 2	80	6.19	7	< 10	172	0.5	< 2	3.20	43	134	7.46	10	< 1	2.23	< 10	2.52
B410234	1.0	< 0.5	284	829	< 1	80	< 2	73	6.15	< 2	< 10	133	< 0.5	< 2	3.15	36	130	6.97	10	1	1.98	< 10	2.27
B410235	1.0	< 0.5	148	919	4	89	4	70	5.13	5	< 10	99	< 0.5	3	3.94	40	115	6.92	10	1	1.88	< 10	2.47
B410236	1.3	< 0.5	154	954	4	87	3	74	4.98	4	< 10	93	< 0.5	3	4.23	38	109	6.85	10	< 1	1.73	< 10	2.50
B410237	1.1	< 0.5	109	910	1	62	6	86	2.98	8	< 10	92	< 0.5	< 2	4.19	25	87	5.18	< 10	< 1	1.57	< 10	2.43
B410238	0.4	< 0.5	25	554	< 1	37	< 2	59	1.89	5	< 10	353	< 0.5	< 2	2.15	14	54	2.96	< 10	< 1	1.25	17	1.45
B410239	0.4	< 0.5	26	564	< 1	38	3	61	1.97	6	< 10	365	< 0.5	< 2	2.23	15	54	3.05	< 10	< 1	1.30	17	1.50
B410240																							
B410241	1.4	< 0.5	46	536	< 1	268	3	54	2.65	40	< 10	110	< 0.5	< 2	3.75	34	581	3.14	< 10	< 1	0.44	26	3.11
B410242	0.9	< 0.5	294	811	4	91	< 2	61	3.41	5	< 10	60	< 0.5	3	1.70	47	112	7.27	< 10	1	1.17	< 10	1.99
B410243	0.5	< 0.5	161	655	21	71	< 2	52	3.60	12	< 10	107	< 0.5	< 2	2.54	40	103	5.67	< 10	< 1	0.62	< 10	1.84
B410244	< 0.2	< 0.5	27	483	< 1	148	< 2	48	2.48	6	< 10	185	< 0.5	< 2	1.64	29	411	3.56	< 10	< 1	0.81	< 10	2.41
B410245	0.8	< 0.5	49	570	< 1	118	< 2	45	2.67	4	< 10	120	< 0.5	< 2	2.29	41	305	4.56	< 10	< 1	0.71	18	2.31
B410246	1.1	< 0.5	155	654	1	73	3	45	2.37	2	< 10	65	< 0.5	< 2	1.76	37	115	5.95	< 10	< 1	0.46	< 10	1.87
B410247	1.3	< 0.5	193	805	11	73	< 2	56	2.99	13	< 10	61	< 0.5	< 2	2.89	40	120	6.84	< 10	< 1	0.83	< 10	2.21
B410248	1.6	< 0.5	151	798	1	49	3	49	3.62	10	< 10	63	< 0.5	< 2	4.05	38	69	7.26	10	1	1.18	< 10	3.09
B410249	1.4	< 0.5	110	1180	< 1	84	< 2	99	3.55	26	< 10	56	< 0.5	< 2	8.09	36	173	6.79	< 10	< 1	0.94	< 10	4.97
B410250																							
B410251	2.4	< 0.5	66	1140	3	96	< 2	149	3.27	42	< 10	18	< 0.5	< 2	> 10.0	25	170	6.33	< 10	1	0.21	15	6.03
B410252	1.2	< 0.5	167	817	< 1	81	< 2	76	3.06	9	< 10	100	< 0.5	< 2	2.63	45	122	7.11	10	< 1	0.97	< 10	2.45
B410253	1.1	< 0.5	165	860	6	71	< 2	78	3.55	5	< 10	53	< 0.5	< 2	3.24	41	123	7.30	10	< 1	0.56	< 10	2.66
B410254	1.0	< 0.5	115	1160	5	88	< 2	58	2.82	8	< 10	55	< 0.5	< 2	7.27	28	166	6.29	< 10	< 1	0.69	< 10	4.26
B410255	0.7	< 0.5	30	1370	< 1	28	2	21	1.22	2	< 10	23	< 0.5	< 2	> 10.0	11	26	4.71	< 10	< 1	0.32	< 10	3.55
B410256	0.9	< 0.5	29	1410	< 1	35	< 2	25	1.59	3	< 10	40	< 0.5	< 2	> 10.0	11	33	5.45	< 10	< 1	0.57	< 10	3.98
B410257	1.7	< 0.5	70	1170	< 1	58	< 2	30	1.93	7	< 10	42	< 0.5	< 2	8.59	19	89	5.72	< 10	< 1	0.55	< 10	3.89
B410258	0.3	< 0.5	46	514	< 1	115	< 2	44	1.94	4	< 10	66	< 0.5	< 2	3.40	24	298	2.91	< 10	< 1	0.40	< 10	2.22
B410259	0.8	< 0.5	82	551	< 1	130	< 2	48	2.19	7	< 10	90	< 0.5	< 2	2.45	30	292	4.19	< 10	< 1	0.40	< 10	2.24
B410260																							
B410261	< 0.2	< 0.5	41	380	< 1	105	< 2	39	1.75	5	< 10	66	< 0.5	< 2	2.34	23	258	2.72	< 10	< 1	0.23	14	1.86

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B410001	0.125	0.060	0.02	< 2	5	37	0.20	< 20	3	< 2	< 10	48	< 10	5	22
B410002	0.129	0.060	0.01	< 2	4	31	0.20	< 20	3	< 2	< 10	45	< 10	5	23
B410003	0.140	0.061	0.03	< 2	4	32	0.21	< 20	4	< 2	< 10	48	< 10	6	25
B410004	0.133	0.062	0.05	< 2	5	33	0.21	< 20	6	< 2	< 10	50	< 10	6	23
B410005	0.130	0.060	0.03	< 2	5	35	0.22	< 20	4	< 2	< 10	51	< 10	5	22
B410006	0.109	0.061	0.02	< 2	4	37	0.21	< 20	2	< 2	< 10	45	< 10	6	21
B410007	0.129	0.061	0.01	< 2	4	38	0.21	< 20	2	< 2	< 10	46	< 10	6	20
B410008	0.161	0.060	0.06	< 2	5	43	0.21	< 20	1	< 2	< 10	49	< 10	5	23
B410009	0.255	0.055	0.03	< 2	9	52	0.21	< 20	4	2	< 10	71	< 10	7	21
B410010	0.015	0.003	< 0.01	< 2	< 1	2	< 0.01	< 20	< 1	< 2	< 10	2	< 10	1	4
B410011	0.333	0.044	0.21	2	19	57	0.19	< 20	< 1	< 2	< 10	160	< 10	13	8
B410012	0.367	0.046	1.01	2	20	76	0.20	< 20	< 1	< 2	< 10	150	< 10	16	11
B410013	0.416	0.045	0.25	< 2	19	76	0.17	< 20	< 1	< 2	< 10	144	< 10	14	8
B410014	0.344	0.045	1.09	< 2	20	41	0.18	< 20	1	< 2	< 10	171	< 10	12	13
B410015	0.187	0.033	2.75	3	11	22	0.21	< 20	2	< 2	< 10	108	< 10	9	15
B410016	0.149	0.034	2.00	5	10	21	0.16	< 20	4	< 2	< 10	95	< 10	8	13
B410017	0.367	0.042	1.00	< 2	19	36	0.24	< 20	< 1	< 2	< 10	162	< 10	15	11
B410018	0.288	0.038	0.60	< 2	16	26	0.21	< 20	3	< 2	< 10	138	< 10	13	10
B410019	0.256	0.030	0.05	< 2	15	21	0.27	< 20	3	< 2	< 10	107	16	11	10
B410020	0.068	0.029	0.74	< 2	10	42	0.25	< 20	< 1	< 2	< 10	107	< 10	9	16
B410021	0.253	0.034	0.05	< 2	16	19	0.26	< 20	4	< 2	< 10	122	< 10	10	9
B410022	0.249	0.035	0.07	< 2	16	11	0.20	< 20	1	< 2	< 10	122	< 10	10	11
B410023	0.266	0.036	0.08	< 2	17	12	0.20	< 20	2	< 2	< 10	133	< 10	11	9
B410024	0.143	0.340	0.06	< 2	7	97	0.22	< 20	3	< 2	< 10	71	< 10	9	3
B410025	0.142	0.052	0.68	< 2	8	99	0.16	< 20	2	< 2	< 10	84	< 10	8	7
B410026	0.353	0.042	0.26	2	15	53	0.23	< 20	6	< 2	< 10	122	< 10	11	7
B410027	0.418	0.043	0.17	< 2	14	68	0.22	< 20	3	< 2	< 10	116	< 10	11	7
B410028	0.361	0.045	0.09	< 2	14	42	0.20	< 20	4	< 2	< 10	116	< 10	11	8
B410029	0.419	0.040	0.08	< 2	14	53	0.20	< 20	5	< 2	< 10	110	< 10	9	7
B410030	0.014	0.002	< 0.01	< 2	< 1	2	< 0.01	< 20	< 1	< 2	< 10	2	< 10	< 1	4
B410031	0.399	0.050	0.26	< 2	15	70	0.22	< 20	< 1	< 2	< 10	129	< 10	12	8
B410032	0.398	0.039	0.12	< 2	14	49	0.19	< 20	3	< 2	< 10	115	< 10	10	7
B410033	0.271	0.039	0.10	< 2	14	34	0.24	< 20	5	< 2	< 10	116	< 10	11	9
B410034	0.332	0.035	0.04	< 2	13	36	0.18	< 20	1	< 2	< 10	99	< 10	10	7
B410035	0.495	0.037	0.18	< 2	15	69	0.18	< 20	< 1	< 2	< 10	120	< 10	10	5
B410036	0.439	0.039	0.14	< 2	13	64	0.19	< 20	2	< 2	< 10	107	< 10	10	6
B410037	0.382	0.038	0.36	< 2	13	68	0.24	< 20	< 1	< 2	< 10	119	< 10	9	7
B410038	0.278	0.044	0.91	< 2	15	45	0.22	< 20	2	< 2	< 10	146	< 10	10	10
B410039	0.504	0.041	0.30	< 2	15	81	0.20	< 20	2	< 2	< 10	124	< 10	11	7
B410040	0.355	0.151	0.86	3	4	89	0.13	< 20	1	< 2	< 10	44	< 10	13	3
B410041	0.437	0.038	0.57	< 2	13	71	0.20	< 20	< 1	< 2	< 10	114	< 10	10	6
B410042	0.389	0.037	0.29	< 2	15	52	0.20	< 20	3	< 2	< 10	119	< 10	11	6
B410043	0.442	0.037	0.20	< 2	14	54	0.20	< 20	2	< 2	< 10	115	< 10	10	5
B410044	0.462	0.036	0.30	< 2	12	68	0.17	< 20	< 1	< 2	< 10	98	< 10	9	4
B410045	0.542	0.037	0.30	< 2	13	83	0.20	< 20	4	< 2	< 10	109	< 10	10	5
B410046	0.562	0.038	0.47	< 2	13	100	0.21	< 20	4	< 2	< 10	114	< 10	10	5
B410047	0.205	0.026	0.82	< 2	10	65	0.19	< 20	2	< 2	< 10	110	< 10	10	6
B410048	0.318	0.034	1.34	3	15	62	0.29	< 20	3	< 2	< 10	154	< 10	10	7
B410049	0.184	0.043	1.46	< 2	11	72	0.26	< 20	3	3	< 10	139	< 10	13	8
B410050	0.018	0.002	< 0.01	< 2	< 1	2	< 0.01	< 20	< 1	< 2	< 10	3	< 10	1	4
B410051	0.280	0.039	0.88	< 2	15	58	0.27	< 20	3	< 2	< 10	164	< 10	13	9

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B410052	0.280	0.034	1.35	3	13	62	0.27	< 20	2	< 2	< 10	143	< 10	11	8
B410053	0.231	0.033	1.39	2	13	55	0.27	< 20	3	< 2	< 10	150	< 10	12	11
B410054	0.182	0.074	0.53	< 2	13	45	0.23	< 20	1	< 2	< 10	130	< 10	12	13
B410055	0.283	0.088	0.17	< 2	16	33	0.20	< 20	4	< 2	< 10	121	< 10	10	10
B410056	0.338	0.042	0.24	< 2	18	41	0.21	< 20	2	< 2	< 10	136	< 10	11	10
B410057	0.247	0.061	0.59	< 2	14	52	0.20	< 20	3	< 2	< 10	122	< 10	11	13
B410058	0.219	0.049	0.74	< 2	15	33	0.22	< 20	6	< 2	< 10	164	< 10	10	12
B410059	0.297	0.065	0.33	< 2	16	42	0.22	< 20	< 1	< 2	< 10	143	< 10	10	11
B410060	0.331	0.092	0.02	2	5	87	0.25	< 20	3	< 2	< 10	46	< 10	12	5
B410061	0.155	0.315	0.02	< 2	7	178	0.19	< 20	2	< 2	< 10	56	< 10	11	3
B410062	0.233	0.117	0.35	< 2	13	65	0.19	< 20	2	< 2	< 10	99	< 10	10	11
B410063	0.266	0.110	0.30	< 2	14	44	0.16	< 20	< 1	< 2	< 10	106	< 10	11	12
B410064	0.248	0.175	0.30	< 2	12	43	0.20	< 20	2	< 2	< 10	89	< 10	10	5
B410065	0.094	0.255	< 0.01	2	9	78	0.21	< 20	2	< 2	< 10	76	< 10	9	3
B410066	0.170	0.190	0.11	< 2	11	138	0.22	< 20	3	< 2	< 10	97	< 10	10	4
B410067	0.222	0.062	0.21	< 2	15	60	0.24	< 20	2	< 2	< 10	160	< 10	12	18
B410068	0.201	0.076	0.02	< 2	16	49	0.18	< 20	< 1	< 2	< 10	149	< 10	12	9
B410069	0.264	0.063	0.20	< 2	17	47	0.19	< 20	4	< 2	< 10	150	< 10	11	14
B410070	0.013	0.001	< 0.01	< 2	< 1	1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	3
B410071	0.251	0.054	0.08	< 2	20	29	0.19	< 20	2	< 2	< 10	183	< 10	11	13
B410072	0.196	0.043	0.25	< 2	21	38	0.19	< 20	< 1	< 2	< 10	194	< 10	12	12
B410073	0.259	0.047	0.81	3	24	43	0.21	< 20	2	< 2	< 10	209	< 10	13	16
B410074	0.118	0.045	2.96	9	23	21	0.18	< 20	< 1	< 2	< 10	206	< 10	11	19
B410075	0.117	0.037	2.49	9	18	16	0.18	< 20	2	< 2	< 10	178	< 10	9	14
B410076	0.065	0.010	0.58	< 2	7	17	0.09	< 20	< 1	< 2	< 10	53	33	4	5
B410077	0.049	0.004	0.04	< 2	3	11	0.05	< 20	< 1	< 2	< 10	26	> 200	2	3
B410078	0.056	0.005	0.05	< 2	4	18	0.07	< 20	1	< 2	< 10	30	> 200	3	4
B410079	0.038	0.003	< 0.01	< 2	2	4	0.04	< 20	< 1	< 2	< 10	18	27	1	3
B410080	0.065	0.029	0.74	< 2	9	42	0.24	< 20	2	< 2	< 10	106	< 10	9	14
B410081	0.050	0.006	0.02	< 2	4	7	0.06	< 20	< 1	< 2	< 10	31	> 200	2	4
B410082	0.128	0.018	0.02	< 2	9	11	0.17	< 20	4	< 2	< 10	96	106	6	11
B410083	0.205	0.036	0.02	< 2	13	23	0.31	< 20	5	< 2	< 10	152	94	12	15
B410084	0.198	0.039	0.03	< 2	12	13	0.32	< 20	6	< 2	< 10	158	84	13	15
B410085	0.193	0.037	0.02	< 2	15	14	0.33	< 20	3	< 2	< 10	153	26	13	15
B410086	0.179	0.027	0.55	< 2	7	84	0.18	< 20	< 1	< 2	< 10	83	< 10	6	8
B410087	0.207	0.034	0.27	3	10	47	0.18	< 20	5	< 2	< 10	107	< 10	8	9
B410088	0.220	0.034	0.13	< 2	10	41	0.21	< 20	5	< 2	< 10	113	< 10	8	10
B410089	0.250	0.032	0.13	< 2	9	42	0.20	< 20	3	< 2	< 10	100	< 10	7	9
B410090	0.015	0.002	< 0.01	< 2	< 1	2	< 0.01	< 20	< 1	< 2	< 10	2	< 10	1	3
B410091	0.194	0.036	0.07	< 2	7	38	0.18	< 20	< 1	< 2	< 10	102	< 10	7	8
B410092	0.168	0.034	0.07	3	9	43	0.16	< 20	< 1	< 2	< 10	108	< 10	7	7
B410093	0.241	0.034	0.10	2	11	35	0.19	< 20	3	< 2	< 10	112	< 10	8	7
B410094	0.189	0.032	0.14	3	11	45	0.17	< 20	< 1	< 2	< 10	113	< 10	7	8
B410095	0.028	0.033	0.61	5	25	6	0.15	< 20	2	< 2	< 10	218	< 10	9	12
B410096	0.055	0.036	0.48	5	23	11	0.11	< 20	1	< 2	< 10	204	< 10	9	10
B410097	0.031	0.010	0.36	3	12	33	0.09	< 20	< 1	< 2	< 10	121	< 10	8	9
B410098	0.136	0.031	0.14	< 2	11	37	0.17	< 20	4	< 2	< 10	110	< 10	6	8
B410099	0.143	0.030	0.43	< 2	8	64	0.18	< 20	6	< 2	< 10	107	< 10	7	9
B410100	0.348	0.152	0.86	4	4	88	0.13	< 20	< 1	< 2	< 10	43	< 10	13	4
B410101	0.179	0.031	0.46	< 2	8	32	0.19	< 20	< 1	< 2	< 10	104	< 10	6	10
B410102	0.159	0.031	1.35	3	8	31	0.22	< 20	4	< 2	< 10	129	< 10	8	14



Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B410103	0.129	0.031	1.12	< 2	11	33	0.21	< 20	2	< 2	< 10	135	< 10	7	11
B410104	0.191	0.036	0.24	< 2	9	42	0.21	< 20	4	< 2	< 10	103	< 10	6	10
B410105	0.149	0.110	0.28	< 2	8	34	0.19	< 20	< 1	< 2	< 10	104	< 10	8	14
B410106	0.131	0.033	0.44	< 2	10	50	0.18	< 20	1	< 2	< 10	144	< 10	7	10
B410107	0.199	0.036	0.47	< 2	10	34	0.20	< 20	< 1	< 2	< 10	141	< 10	7	11
B410108	0.163	0.035	0.71	3	8	46	0.20	< 20	3	< 2	< 10	93	< 10	6	9
B410109	0.202	0.033	0.87	3	8	31	0.20	< 20	6	< 2	< 10	93	< 10	6	9
B410110	0.013	0.001	< 0.01	< 2	< 1	1	< 0.01	< 20	< 1	< 2	< 10	1	< 10	< 1	3
B410111	0.156	0.033	1.59	< 2	8	29	0.22	< 20	3	< 2	< 10	101	< 10	6	10
B410112	0.181	0.033	0.88	3	9	32	0.22	< 20	3	< 2	< 10	104	< 10	7	9
B410113	0.156	0.030	0.42	< 2	7	36	0.22	< 20	4	< 2	< 10	90	< 10	6	7
B410114	0.144	0.030	0.53	< 2	7	31	0.24	< 20	5	< 2	< 10	96	< 10	6	8
B410115	0.109	0.060	1.08	< 2	4	35	0.23	< 20	3	< 2	< 10	76	< 10	7	12
B410116	0.102	0.055	1.45	< 2	4	28	0.24	< 20	3	< 2	< 10	81	< 10	7	12
B410117	0.158	0.041	1.41	2	5	19	0.21	< 20	3	< 2	< 10	106	< 10	8	14
B410118	0.098	0.038	1.20	< 2	4	31	0.17	< 20	2	< 2	< 10	65	< 10	5	11
B410119	0.210	0.033	0.34	< 2	9	22	0.20	< 20	4	< 2	< 10	93	< 10	8	6
B410120	0.333	0.094	0.02	< 2	5	87	0.24	< 20	3	< 2	< 10	47	< 10	12	6
B410121	0.132	0.221	0.28	< 2	8	62	0.24	< 20	3	< 2	< 10	56	< 10	9	4
B410122	0.106	0.256	0.37	< 2	7	71	0.25	< 20	3	< 2	< 10	60	< 10	9	5
B410123	0.085	0.083	0.42	< 2	5	56	0.13	< 20	2	< 2	< 10	43	< 10	5	10
B410124	0.134	0.038	0.04	< 2	6	29	0.16	< 20	1	< 2	< 10	48	< 10	4	23
B410125	0.084	0.043	0.25	< 2	6	12	0.18	< 20	3	< 2	< 10	83	< 10	4	31
B410126	0.228	0.033	0.12	< 2	9	19	0.19	< 20	3	< 2	< 10	96	< 10	8	6
B410127	0.205	0.033	0.17	< 2	8	19	0.18	< 20	2	< 2	< 10	95	< 10	7	7
B410128	0.192	0.032	0.11	< 2	8	16	0.18	< 20	< 1	< 2	< 10	91	< 10	7	7
B410129	0.182	0.029	0.10	3	7	31	0.21	< 20	3	< 2	< 10	82	< 10	5	8
B410130	0.015	0.001	< 0.01	< 2	< 1	1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	3
B410131	0.208	0.033	0.19	< 2	7	32	0.20	< 20	< 1	< 2	< 10	95	< 10	7	9
B410132	0.205	0.034	0.23	< 2	6	18	0.20	< 20	5	< 2	< 10	104	< 10	6	9
B410133	0.213	0.035	0.12	< 2	8	22	0.22	< 20	4	< 2	< 10	106	< 10	7	10
B410134	0.213	0.035	0.50	< 2	8	23	0.18	< 20	< 1	< 2	< 10	97	< 10	8	8
B410135	0.232	0.036	0.30	< 2	9	15	0.21	< 20	3	< 2	< 10	106	< 10	9	8
B410136	0.228	0.038	0.38	< 2	8	15	0.19	< 20	1	< 2	< 10	102	< 10	9	8
B410137	0.250	0.038	0.14	2	9	15	0.18	< 20	< 1	< 2	< 10	119	< 10	9	7
B410138	0.244	0.039	0.14	3	8	17	0.19	< 20	2	< 2	< 10	130	< 10	9	8
B410139	0.149	0.049	0.05	< 2	6	46	0.20	< 20	< 1	< 2	< 10	71	< 10	6	12
B410141	0.250	0.041	0.90	< 2	9	22	0.20	< 20	3	< 2	< 10	109	< 10	10	9
B410142	0.268	0.041	0.56	2	10	16	0.19	< 20	5	< 2	< 10	107	< 10	10	9
B410143	0.215	0.037	0.81	< 2	9	18	0.20	< 20	5	< 2	< 10	105	< 10	9	9
B410144	0.140	0.065	1.24	3	10	31	0.22	< 20	3	< 2	< 10	121	< 10	6	18
B410145	0.116	0.072	0.56	< 2	12	33	0.24	< 20	3	< 2	< 10	153	< 10	6	17
B410146	0.251	0.034	0.71	< 2	10	38	0.18	< 20	2	< 2	< 10	94	< 10	8	8
B410147	0.198	0.070	0.38	< 2	10	37	0.28	< 20	2	< 2	< 10	118	< 10	8	15
B410148	0.220	0.150	0.20	< 2	7	113	0.28	< 20	5	< 2	< 10	95	< 10	8	18
B410149	0.137	0.135	0.29	< 2	7	63	0.24	< 20	4	< 2	< 10	84	< 10	6	18
B410150															
B410151	0.124	0.057	1.94	< 2	6	20	0.26	< 20	3	< 2	< 10	100	< 10	7	17
B410152	0.148	0.158	0.21	2	5	46	0.25	< 20	3	< 2	< 10	75	< 10	6	14
B410153	0.147	0.162	0.24	< 2	5	64	0.26	< 20	1	< 2	< 10	77	< 10	6	15
B410154	0.029	0.024	0.48	< 2	1	114	0.04	< 20	< 1	< 2	< 10	13	< 10	2	4

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B410155	0.106	0.146	0.48	< 2	5	67	0.19	< 20	1	< 2	< 10	54	< 10	6	11
B410156	0.115	0.160	0.59	2	5	62	0.21	< 20	1	< 2	< 10	62	< 10	6	13
B410157	0.119	0.155	0.22	2	5	60	0.23	< 20	2	< 2	< 10	65	< 10	5	13
B410158	0.032	0.076	1.11	< 2	2	185	0.10	< 20	1	< 2	< 10	37	< 10	4	6
B410159	0.164	0.046	0.50	< 2	7	40	0.17	< 20	< 1	< 2	< 10	72	< 10	5	15
B410161	0.150	0.051	0.03	< 2	7	36	0.16	< 20	1	< 2	< 10	62	< 10	5	12
B410162	0.126	0.052	0.37	< 2	7	18	0.26	< 20	4	< 2	< 10	81	< 10	6	24
B410163	0.124	0.048	0.05	2	7	21	0.17	< 20	4	< 2	< 10	63	< 10	6	15
B410164	0.176	0.095	0.04	< 2	7	45	0.19	< 20	4	< 2	< 10	70	< 10	6	13
B410165	0.139	0.096	0.11	< 2	6	48	0.18	< 20	5	< 2	< 10	63	< 10	6	13
B410166	0.174	0.045	0.74	< 2	9	32	0.26	< 20	< 1	< 2	< 10	103	< 10	7	21
B410167	0.134	0.047	0.24	< 2	8	23	0.25	< 20	2	< 2	< 10	88	< 10	7	19
B410168	0.237	0.037	0.76	< 2	11	19	0.25	< 20	2	< 2	< 10	127	< 10	10	14
B410169	0.287	0.036	0.23	< 2	12	20	0.24	< 20	5	< 2	< 10	123	< 10	10	12
B410171	0.257	0.035	0.15	2	11	25	0.27	< 20	3	< 2	< 10	133	< 10	9	10
B410172	0.244	0.037	0.26	< 2	10	19	0.22	< 20	4	< 2	< 10	123	< 10	9	9
B410173	0.256	0.034	0.13	2	9	15	0.24	< 20	< 1	< 2	< 10	105	< 10	9	6
B410174	0.240	0.035	0.21	< 2	9	15	0.24	< 20	3	< 2	< 10	96	< 10	9	6
B410175	0.236	0.034	0.22	< 2	10	26	0.28	< 20	4	< 2	< 10	104	< 10	9	6
B410176	0.254	0.034	0.12	< 2	10	20	0.26	< 20	5	< 2	< 10	110	< 10	9	6
B410177	0.251	0.033	0.09	2	9	20	0.22	< 20	< 1	< 2	< 10	111	< 10	9	7
B410178	0.267	0.036	0.17	< 2	11	21	0.22	< 20	< 1	< 2	< 10	122	< 10	10	8
B410179	0.115	0.039	0.41	< 2	14	92	0.22	< 20	< 1	< 2	< 10	156	< 10	11	12
B410181	0.219	0.035	0.17	< 2	9	18	0.20	< 20	3	< 2	< 10	116	< 10	8	12
B410182	0.159	0.034	0.07	< 2	7	37	0.24	< 20	1	< 2	< 10	125	< 10	7	10
B410183	0.160	0.029	0.07	< 2	8	39	0.23	< 20	< 1	< 2	< 10	107	< 10	8	15
B410184	0.126	0.025	0.03	< 2	8	78	0.25	< 20	< 1	< 2	< 10	96	< 10	5	10
B410185	0.122	0.038	0.32	2	14	58	0.17	< 20	< 1	< 2	< 10	121	< 10	7	12
B410186	0.165	0.025	0.07	< 2	11	108	0.17	< 20	3	< 2	< 10	84	< 10	6	7
B410187	0.201	0.040	0.06	< 2	10	100	0.16	< 20	2	< 2	< 10	72	< 10	5	14
B410188	0.130	0.095	< 0.01	< 2	3	20	0.14	< 20	4	< 2	< 10	28	< 10	6	11
B410189	0.087	0.022	< 0.01	< 2	2	15	0.07	< 20	1	< 2	10	14	< 10	5	28
B410191	0.090	0.017	0.13	< 2	6	47	0.14	< 20	3	< 2	11	53	< 10	6	18
B410192	0.089	0.019	0.05	< 2	6	117	0.21	< 20	2	< 2	< 10	83	< 10	4	8
B410193	0.091	0.020	0.04	< 2	6	109	0.21	< 20	2	< 2	< 10	78	< 10	5	9
B410194	0.102	0.253	0.19	< 2	4	138	0.24	< 20	3	< 2	< 10	68	< 10	7	5
B410195	0.090	0.250	0.47	2	6	175	0.24	< 20	3	< 2	< 10	71	< 10	8	5
B410196	0.097	0.267	0.45	2	6	150	0.24	< 20	3	< 2	< 10	70	< 10	8	5
B410197	0.098	0.015	1.59	3	9	145	0.17	< 20	5	< 2	< 10	66	< 10	5	5
B410198	0.085	0.015	0.61	< 2	8	94	0.16	< 20	< 1	< 2	< 10	48	12	5	6
B410199	0.123	0.017	0.48	< 2	9	113	0.17	< 20	2	< 2	< 10	55	< 10	5	9
B410201	0.129	0.017	1.30	2	11	115	0.21	< 20	4	< 2	< 10	72	< 10	6	11
B410202	0.111	0.017	0.38	< 2	12	84	0.20	< 20	5	< 2	< 10	60	< 10	5	6
B410203	0.076	0.016	0.36	< 2	9	61	0.17	< 20	3	< 2	< 10	60	< 10	5	8
B410204	0.105	0.078	0.56	< 2	8	141	0.16	< 20	< 1	< 2	< 10	51	< 10	6	13
B410205	0.135	0.081	0.60	< 2	8	156	0.17	< 20	2	< 2	< 10	55	< 10	6	14
B410206	0.142	0.148	0.47	< 2	8	99	0.20	< 20	5	< 2	< 10	70	< 10	8	8
B410207	0.121	0.119	0.55	< 2	10	78	0.20	< 20	1	< 2	< 10	74	< 10	8	16
B410208	0.039	0.014	1.08	< 2	14	239	0.11	< 20	< 1	< 2	< 10	98	< 10	5	9
B410209	0.072	0.008	0.96	< 2	7	135	0.12	< 20	2	< 2	< 10	55	< 10	4	7
B410211	0.096	0.008	0.84	< 2	6	161	0.12	< 20	2	< 2	< 10	41	< 10	4	6

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B410212	0.142	0.013	1.04	< 2	9	166	0.18	< 20	< 1	< 2	< 10	64	< 10	5	8
B410213	0.184	0.013	0.82	< 2	9	182	0.19	< 20	1	< 2	< 10	60	< 10	5	10
B410214	0.119	0.012	0.90	< 2	8	96	0.15	< 20	< 1	< 2	< 10	54	13	4	7
B410215	0.062	0.009	0.66	< 2	6	25	0.08	< 20	2	< 2	< 10	64	10	4	8
B410216	0.070	0.009	0.86	< 2	7	26	0.10	< 20	< 1	< 2	< 10	74	10	4	12
B410217	0.092	0.098	1.06	< 2	10	42	0.23	< 20	6	< 2	< 10	103	11	8	24
B410218	0.121	0.300	0.31	3	7	104	0.27	< 20	3	< 2	< 10	65	< 10	10	4
B410219	0.131	0.332	0.23	2	7	183	0.26	< 20	6	< 2	< 10	60	< 10	10	4
B410221	0.148	0.264	0.33	< 2	7	122	0.24	< 20	3	< 2	< 10	62	< 10	10	5
B410222	0.170	0.085	0.13	< 2	5	40	0.17	< 20	4	< 2	< 10	57	< 10	6	12
B410223	0.200	0.065	0.10	< 2	5	42	0.17	< 20	5	< 2	< 10	57	< 10	6	21
B410224	0.202	0.060	0.07	< 2	6	41	0.20	< 20	3	< 2	< 10	55	< 10	6	32
B410225	0.214	0.061	0.10	< 2	5	40	0.19	< 20	4	< 2	< 10	53	< 10	5	35
B410226	0.288	0.170	0.12	< 2	6	262	0.16	< 20	2	< 2	< 10	41	< 10	8	5
B410227	0.299	0.041	0.14	< 2	6	157	0.17	< 20	4	< 2	< 10	47	< 10	5	15
B410228	0.257	0.143	0.19	< 2	7	137	0.18	< 20	< 1	< 2	< 10	63	< 10	7	8
B410229	0.157	0.060	0.69	< 2	14	79	0.28	< 20	6	< 2	< 10	150	< 10	7	24
B410230															
B410231	0.310	0.037	1.11	< 2	14	137	0.22	< 20	4	< 2	< 10	130	< 10	10	16
B410232	0.253	0.034	1.78	< 2	24	101	0.27	< 20	< 1	< 2	< 10	202	< 10	10	19
B410233	0.354	0.041	0.39	< 2	15	150	0.35	< 20	4	< 2	< 10	194	< 10	9	9
B410234	0.413	0.040	0.33	< 2	17	123	0.31	< 20	< 1	3	< 10	188	< 10	9	6
B410235	0.302	0.036	0.39	2	15	113	0.30	< 20	4	< 2	< 10	170	< 10	10	6
B410236	0.308	0.035	0.44	< 2	16	113	0.30	< 20	5	< 2	< 10	165	< 10	10	8
B410237	0.085	0.038	0.70	< 2	15	50	0.25	< 20	< 1	< 2	< 10	128	< 10	9	17
B410238	0.143	0.051	0.17	< 2	7	43	0.19	< 20	2	< 2	< 10	62	< 10	5	32
B410239	0.155	0.052	0.17	< 2	8	46	0.20	< 20	2	< 2	< 10	64	< 10	6	26
B410240															
B410241	0.103	0.125	0.20	3	7	119	0.20	< 20	2	< 2	< 10	56	12	7	10
B410242	0.261	0.040	1.07	< 2	18	53	0.28	< 20	5	< 2	< 10	161	< 10	11	12
B410243	0.388	0.050	0.43	< 2	17	71	0.22	< 20	2	< 2	< 10	142	< 10	10	8
B410244	0.213	0.048	0.08	< 2	9	51	0.22	< 20	< 1	< 2	< 10	89	< 10	6	14
B410245	0.209	0.094	0.75	< 2	13	69	0.25	< 20	3	< 2	< 10	119	< 10	10	20
B410246	0.191	0.045	0.99	< 2	16	18	0.28	< 20	4	< 2	< 10	156	< 10	11	14
B410247	0.202	0.041	1.03	< 2	17	34	0.33	< 20	1	< 2	< 10	166	< 10	12	12
B410248	0.137	0.045	1.12	3	18	54	0.29	< 20	3	< 2	< 10	189	< 10	13	13
B410249	0.089	0.044	0.53	< 2	20	107	0.15	< 20	< 1	< 2	< 10	142	< 10	10	9
B410250															
B410251	0.023	0.045	1.13	2	17	125	0.11	< 20	< 1	< 2	< 10	129	< 10	10	9
B410252	0.206	0.052	0.66	3	19	35	0.25	< 20	< 1	< 2	< 10	180	< 10	12	10
B410253	0.216	0.067	0.55	< 2	19	43	0.27	< 20	4	< 2	< 10	191	< 10	13	15
B410254	0.088	0.040	0.87	< 2	13	102	0.18	< 20	< 1	< 2	< 10	128	< 10	10	11
B410255	0.019	0.008	1.39	< 2	4	104	0.06	< 20	4	< 2	< 10	40	< 10	5	4
B410256	0.022	0.008	1.51	< 2	5	107	0.08	< 20	< 1	< 2	< 10	52	< 10	5	5
B410257	0.089	0.020	1.76	2	7	89	0.12	< 20	< 1	< 2	< 10	71	< 10	6	11
B410258	0.254	0.029	0.15	< 2	8	70	0.14	< 20	< 1	2	< 10	56	< 10	5	20
B410259	0.206	0.050	0.50	< 2	12	41	0.18	< 20	< 1	< 2	< 10	104	< 10	7	20
B410260															
B410261	0.153	0.082	0.29	< 2	6	54	0.15	< 20	1	< 2	< 10	56	< 10	5	16

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas	0.3	< 0.5	69	1010	< 1	24	92	135	7.33	241	< 10	1190	0.9	< 2	0.15	12	77	5.35	20	2	1.08	< 10	0.39
GXR-6 Cert	1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9	0.609
GXR-6 Meas	0.3	< 0.5	68	998	< 1	24	91	133	7.25	229	< 10	1140	0.9	< 2	0.15	12	76	5.29	20	1	1.06	< 10	0.38
GXR-6 Cert	1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9	0.609
GXR-6 Meas	0.3	< 0.5	68	1020	< 1	24	92	135	7.35	214	< 10	1180	0.9	< 2	0.15	12	77	5.29	20	2	1.06	< 10	0.39
GXR-6 Cert	1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9	0.609
OREAS 98 (Aqua Regia) Meas	36.1		> 10000				257	1240						75		99							
OREAS 98 (Aqua Regia) Cert	42.8		147000				343	1300						93		110							
OREAS 98 (Aqua Regia) Meas	37.6		> 10000				260	1270						26		103							
OREAS 98 (Aqua Regia) Cert	42.8		147000				343	1300						93		111							
OREAS 98 (Aqua Regia) Meas	38.0		> 10000				265	1280						60		105							
OREAS 98 (Aqua Regia) Cert	42.8		147000				343	1300						93		111							
OREAS 922 (AQUA REGIA) Meas	0.9	< 0.5	2330	780	< 1	37	59	289	3.11	6		114	0.8	9	0.42	21	46	5.09	< 10		0.47	37	1.37
OREAS 922 (AQUA REGIA) Cert	0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5	1.33
OREAS 922 (AQUA REGIA) Meas	0.8	< 0.5	2280	775	< 1	36	59	285	3.08	6		115	0.8	9	0.42	19	46	5.06	< 10		0.48	37	1.35
OREAS 922 (AQUA REGIA) Cert	0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5	1.33
OREAS 922 (AQUA REGIA) Meas	0.8	< 0.5	2260	777	< 1	36	61	292	3.07	6		113	0.8	9	0.42	19	45	5.05	< 10		0.47	37	1.35
OREAS 922 (AQUA REGIA) Cert	0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5	1.33
OREAS 923 (AQUA REGIA) Meas	1.7	< 0.5	4490	856	< 1	33	76	377	3.07	8		90	0.7	26	0.42	21	42	5.80	< 10		0.40	34	1.45
OREAS 923 (AQUA REGIA) Cert	1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0	1.43
OREAS 923 (AQUA REGIA) Meas	1.7	< 0.5	4340	841	< 1	32	76	362	3.01	8		88	0.7	26	0.42	20	41	5.67	< 10		0.40	33	1.41
OREAS 923 (AQUA REGIA) Cert	1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0	1.43
OREAS 923 (AQUA REGIA) Meas	1.5	< 0.5	4440	851	< 1	33	76	369	3.05	8		83	0.7	27	0.42	21	42	5.76	< 10		0.40	34	1.43
OREAS 923 (AQUA REGIA) Cert	1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0	1.43
Oreas 96 (Aqua Regia) Meas	10.3		> 10000				87	451						93		44							
Oreas 96 (Aqua Regia) Cert	11.50		39100.00				100	448						27.9		49.2							
Oreas 96 (Aqua	10.3		> 10000				85	451						81		45							

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Regia) Meas																							
Oreas 96 (Aqua Regia) Cert	11.50		39100.00				100	448						27.9		49.2							
Oreas 96 (Aqua Regia) Meas	11.6		> 10000				90	466						78		47							
Oreas 96 (Aqua Regia) Cert	11.50		39100.00				100	448						27.9		49.2							
Oreas 621 (Aqua Regia) Meas	66.5	301	3690	525	13	27	> 5000	> 10000	1.86	79			0.6	6	1.68	32	33	3.37	10	3	0.36	20	0.43
Oreas 621 (Aqua Regia) Cert	68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4	0.436
Oreas 621 (Aqua Regia) Meas	67.7	300	3680	532	13	28	> 5000	> 10000	1.87	81			0.6	10	1.71	31	37	3.38	10	3	0.37	19	0.44
Oreas 621 (Aqua Regia) Cert	68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4	0.436
Oreas 621 (Aqua Regia) Meas	67.5	301	3730	534	13	27	> 5000	> 10000	1.90	84			0.6	8	1.70	31	33	3.38	10	3	0.37	19	0.45
Oreas 621 (Aqua Regia) Cert	68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4	0.436
B410001 Orig	0.4	< 0.5	8	437	< 1	35	< 2	57	1.72	5	< 10	275	< 0.5	< 2	2.19	11	46	2.57	< 10	< 1	0.92	21	1.19
B410001 Dup	0.4	< 0.5	7	426	< 1	34	< 2	55	1.68	4	< 10	269	< 0.5	< 2	2.13	11	44	2.49	< 10	< 1	0.89	21	1.15
B410010 Orig	< 0.2	< 0.5	2	61	< 1	< 1	< 2	4	0.09	< 2	< 10	18	< 0.5	< 2	0.02	< 1	8	0.57	< 10	< 1	0.01	< 10	0.01
B410010 Dup	< 0.2	< 0.5	2	60	< 1	< 1	< 2	4	0.09	< 2	< 10	18	< 0.5	< 2	0.02	< 1	8	0.56	< 10	< 1	0.01	< 10	0.01
B410029 Orig	0.4	< 0.5	113	536	< 1	47	< 2	47	3.43	12	< 10	16	< 0.5	< 2	2.79	31	73	4.48	< 10	< 1	0.09	< 10	1.74
B410029 Dup	0.4	< 0.5	115	538	< 1	48	< 2	47	3.46	11	< 10	16	< 0.5	< 2	2.80	32	73	4.51	< 10	< 1	0.10	< 10	1.76
B410044 Orig	0.3	< 0.5	91	511	< 1	56	< 2	43	3.95	7	< 10	42	< 0.5	< 2	3.54	32	70	4.11	< 10	< 1	0.36	< 10	1.61
B410044 Dup	< 0.2	< 0.5	91	515	< 1	56	< 2	44	3.92	7	< 10	43	< 0.5	< 2	3.52	29	70	4.07	< 10	< 1	0.36	< 10	1.60
B410059 Orig	0.4	< 0.5	96	779	4	77	< 2	84	3.14	< 2	< 10	141	< 0.5	< 2	3.72	38	103	6.26	< 10	< 1	0.71	< 10	2.19
B410059 Dup	0.4	< 0.5	94	763	4	78	< 2	84	3.10	< 2	< 10	141	< 0.5	< 2	3.69	37	101	6.16	< 10	< 1	0.70	< 10	2.16
B410068 Orig	< 0.2	< 0.5	78	846	< 1	47	< 2	42	2.42	3	27	18	< 0.5	< 2	1.68	27	20	5.34	< 10	< 1	0.10	33	2.62
B410068 Dup	< 0.2	< 0.5	79	864	< 1	46	< 2	41	2.41	3	28	19	< 0.5	< 2	1.67	30	20	5.39	< 10	< 1	0.10	33	2.65
B410087 Orig	0.2	< 0.5	168	736	< 1	95	< 2	78	2.89	34	< 10	87	< 0.5	< 2	3.19	41	212	5.71	< 10	2	0.35	< 10	2.20
B410087 Dup	0.3	< 0.5	173	767	< 1	97	< 2	79	2.97	33	< 10	89	< 0.5	< 2	3.29	41	217	5.98	< 10	1	0.36	< 10	2.27
B410107 Orig	0.3	0.5	216	813	< 1	114	< 2	75	3.04	21	< 10	98	< 0.5	< 2	3.04	52	162	7.21	< 10	< 1	0.44	< 10	2.29
B410107 Dup	0.2	< 0.5	215	801	1	110	< 2	72	2.97	21	< 10	99	< 0.5	< 2	2.93	53	157	7.12	< 10	< 1	0.44	< 10	2.23
B410122 Orig	0.6	< 0.5	84	339	9	201	6	47	1.91	20	< 10	304	< 0.5	< 2	1.87	35	664	2.70	< 10	< 1	0.96	63	2.29
B410122 Dup	0.6	< 0.5	84	344	9	204	7	49	1.94	23	< 10	261	< 0.5	< 2	1.89	36	677	2.74	< 10	< 1	0.97	64	2.32
B410131 Orig	0.4	< 0.5	186	831	< 1	63	< 2	61	1.94	17	< 10	49	< 0.5	< 2	4.17	35	122	4.92	< 10	< 1	0.20	< 10	1.73
B410131 Dup	0.3	< 0.5	185	823	1	62	< 2	61	1.92	18	< 10	50	< 0.5	< 2	4.15	35	122	4.84	< 10	< 1	0.20	< 10	1.71
B410139 Orig	< 0.2	< 0.5	49	572	< 1	105	< 2	57	1.88	24	< 10	35	< 0.5	< 2	2.06	28	262	3.78	< 10	< 1	0.11	< 10	1.81
B410139 Dup	< 0.2	< 0.5	49	547	< 1	104	< 2	55	1.81	24	< 10	36	< 0.5	< 2	1.95	28	251	3.65	< 10	< 1	0.11	< 10	1.75
B410149 Orig	0.3	< 0.5	120	480	7	196	4	80	2.55	17	< 10	269	< 0.5	< 2	2.21	30	388	3.72	< 10	< 1	0.88	20	2.54
B410149 Dup	0.3	< 0.5	119	493	7	200	6	83	2.59	15	< 10	270	< 0.5	< 2	2.26	30	398	3.76	< 10	< 1	0.89	20	2.58
B410154 Orig	0.9	3.6	70	1120	< 1	38	4	334	0.64	45	< 10	32	< 0.5	< 2	> 10.0	4	76	1.77	< 10	< 1	0.12	< 10	5.34
B410154 Dup	1.0	3.4	63	1090	< 1	36	5	321	0.62	44	< 10	31	< 0.5	2	> 10.0	4	74	1.70	< 10	< 1	0.12	< 10	5.20
B410159 Orig	0.8	< 0.5	101	454	< 1	196	4	47	2.20	9	< 10	170	< 0.5	< 2	2.12	31	450	3.48	< 10	< 1	0.54	< 10	2.54
B410159 Dup	0.8	< 0.5	99	449	< 1	197	3	47	2.19	9	< 10	163	< 0.5	< 2	2.10	33	440	3.53	< 10	< 1	0.54	< 10	2.51
B410165 Orig	0.5	< 0.5	167	487	8	175	< 2	48	1.88	104	< 10	83	< 0.5	< 2	2.32	43	341	3.04	< 10	< 1	0.22	25	1.98
B410165 Dup	0.4	< 0.5	166	483	7	170	< 2	47	1.87	102	< 10	82	< 0.5	< 2	2.30	42	341	3.02	< 10	< 1	0.22	23	1.97
B410169 Orig	0.8	< 0.5	208	877	8	67	< 2	124	2.33	17	< 10	70	< 0.5	< 2	3.33	39	51	6.17	< 10	< 1	0.27	< 10	1.85
B410169 Dup	0.7	< 0.5	207	851	8	70	< 2	121	2.28	15	< 10	69	< 0.5	< 2	3.27	37	50	6.07	< 10	1	0.26	< 10	1.81
B410179 Orig	0.5	< 0.5	194	1080	7	66	< 2	88	3.47	16	< 10	122	< 0.5	< 2	4.41	45	45	8.02	10	1	0.60	< 10	2.73
B410179 Dup	0.5	< 0.5	192	1060	9	63	< 2	86	3.41	14	< 10	119	< 0.5	< 2	4.33	43	43	7.87	10	1	0.59	< 10	2.69

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2		0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B410183 Orig	0.9	< 0.5	326	700	4	48	4	73	1.84	7	< 10	164	< 0.5	< 2	3.11	30	60	5.10	< 10	< 1	0.82	< 10	1.64
B410183 Dup	1.0	< 0.5	314	686	4	47	4	72	1.82	6	< 10	158	< 0.5	< 2	3.07	28	59	4.94	< 10	< 1	0.80	< 10	1.61
B410189 Orig	< 0.2	< 0.5	1	170	1	9	7	22	0.86	7	< 10	58	< 0.5	< 2	0.41	5	5	1.12	< 10	< 1	0.21	12	0.54
B410189 Dup	< 0.2	< 0.5	1	176	< 1	9	7	23	0.89	9	< 10	60	< 0.5	< 2	0.42	6	5	1.15	< 10	< 1	0.22	13	0.55
B410199 Orig	0.2	< 0.5	73	458	2	136	< 2	37	1.89	24	< 10	41	< 0.5	< 2	2.54	35	304	3.39	< 10	< 1	0.16	< 10	1.90
B410199 Dup	0.2	< 0.5	77	464	2	135	< 2	37	1.95	22	< 10	42	< 0.5	< 2	2.58	37	315	3.43	< 10	< 1	0.16	< 10	1.94
B410203 Orig	0.3	< 0.5	91	546	4	187	< 2	35	1.37	27	< 10	13	< 0.5	< 2	2.95	39	281	3.29	< 10	< 1	0.05	< 10	1.87
B410203 Dup	0.3	< 0.5	93	551	5	189	5	35	1.37	29	< 10	12	< 0.5	< 2	2.96	39	281	3.31	< 10	< 1	0.05	< 10	1.88
B410208 Orig	0.9	< 0.5	103	1280	10	168	2	38	1.97	73	< 10	64	< 0.5	< 2	6.69	46	403	5.04	< 10	< 1	0.31	< 10	2.50
B410208 Dup	0.9	< 0.5	107	1310	11	171	3	38	2.04	72	< 10	65	< 0.5	< 2	6.79	47	412	5.23	< 10	< 1	0.32	< 10	2.58
B410214 Orig	0.8	< 0.5	168	520	3	225	5	47	1.14	6	< 10	53	< 0.5	< 2	2.92	49	208	3.48	< 10	< 1	0.11	< 10	1.27
B410214 Dup	0.7	< 0.5	163	521	3	224	4	48	1.14	4	< 10	51	< 0.5	< 2	2.95	49	209	3.39	< 10	< 1	0.11	< 10	1.28
B410221 Orig	0.2	< 0.5	60	381	< 1	173	< 2	44	1.73	7	< 10	190	< 0.5	< 2	2.27	32	473	2.92	< 10	< 1	0.97	70	2.32
B410221 Dup	0.3	< 0.5	59	376	< 1	170	< 2	43	1.69	6	< 10	225	< 0.5	< 2	2.23	29	460	2.86	< 10	< 1	0.96	68	2.27
B410228 Orig	0.6	< 0.5	117	333	7	232	7	54	2.70	120	< 10	328	< 0.5	< 2	1.72	46	420	2.76	< 10	< 1	0.84	38	2.10
B410228 Dup	0.6	< 0.5	114	316	7	228	5	53	2.58	125	< 10	318	< 0.5	< 2	1.63	45	403	2.64	< 10	< 1	0.82	37	2.01
B410233 Orig	0.8	< 0.5	200	823	5	81	< 2	79	6.11	10	< 10	165	0.5	2	3.16	43	132	7.41	10	< 1	2.20	< 10	2.49
B410233 Dup	0.8	< 0.5	205	860	5	87	3	82	6.27	4	< 10	179	0.5	< 2	3.23	44	135	7.51	10	1	2.26	< 10	2.55
B410237 Orig	1.1	< 0.5	110	917	1	63	6	87	3.01	7	< 10	88	< 0.5	< 2	4.22	25	88	5.24	< 10	2	1.59	< 10	2.46
B410237 Dup	1.1	< 0.5	107	902	1	61	6	86	2.94	9	< 10	97	< 0.5	2	4.16	26	86	5.13	< 10	< 1	1.55	< 10	2.41
B410243 Orig	0.5	< 0.5	164	660	21	71	< 2	52	3.65	12	< 10	110	< 0.5	< 2	2.56	40	105	5.74	< 10	< 1	0.63	< 10	1.86
B410243 Dup	0.5	< 0.5	157	651	21	72	< 2	52	3.56	11	< 10	104	< 0.5	< 2	2.51	39	102	5.59	< 10	2	0.61	< 10	1.81
B410249 Orig	1.4	< 0.5	110	1170	< 1	84	< 2	100	3.54	26	< 10	56	< 0.5	< 2	8.06	36	172	6.75	< 10	2	0.93	< 10	4.95
B410249 Dup	1.4	< 0.5	111	1190	< 1	85	< 2	99	3.56	26	< 10	56	< 0.5	< 2	8.12	35	173	6.84	< 10	< 1	0.94	< 10	4.99
B410252 Orig	1.2	< 0.5	166	827	< 1	82	< 2	77	3.08	7	< 10	100	< 0.5	< 2	2.66	45	123	7.17	10	< 1	0.98	< 10	2.48
B410252 Dup	1.2	< 0.5	167	808	< 1	81	< 2	76	3.04	10	< 10	100	< 0.5	< 2	2.61	44	121	7.06	10	< 1	0.96	< 10	2.43
B410259 Orig	0.8	< 0.5	84	557	< 1	131	< 2	49	2.22	8	< 10	91	< 0.5	< 2	2.47	30	295	4.24	< 10	< 1	0.40	< 10	2.26
B410259 Dup	0.7	< 0.5	80	546	< 1	129	< 2	47	2.16	5	< 10	88	< 0.5	< 2	2.42	30	288	4.13	< 10	< 1	0.39	< 10	2.21
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas	0.152	0.033	0.01	2	19	31		< 20	< 1	< 2	< 10	159	< 10	5	11
GXR-6 Cert	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
GXR-6 Meas	0.142	0.033	0.01	4	19	30		< 20	< 1	< 2	< 10	158	< 10	5	10
GXR-6 Cert	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
GXR-6 Meas	0.144	0.033	0.01	< 2	19	30		< 20	< 1	< 2	< 10	156	< 10	5	7
GXR-6 Cert	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
OREAS 98 (Aqua Regia) Meas				18											
OREAS 98 (Aqua Regia) Cert				15											
OREAS 98 (Aqua Regia) Meas				17											
OREAS 98 (Aqua Regia) Cert				15											
OREAS 98 (Aqua Regia) Meas				19											
OREAS 98 (Aqua Regia) Cert				15											
OREAS 922 (AQUA REGIA) Meas	0.034	0.064	0.39	< 2	4	15		< 20		< 2	< 10	34	< 10	21	25
OREAS 922 (AQUA REGIA) Cert	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas	0.033	0.063	0.38	2	4	15		< 20		< 2	< 10	34	< 10	22	27
OREAS 922 (AQUA REGIA) Cert	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas	0.034	0.062	0.38	2	4	15		< 20		< 2	< 10	34	< 10	21	18
OREAS 922 (AQUA REGIA) Cert	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 923 (AQUA REGIA) Meas		0.060	0.69	< 2	4	14		< 20		< 2	< 10	33	< 10	19	31
OREAS 923 (AQUA REGIA) Cert		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 923 (AQUA REGIA) Meas		0.058	0.66	< 2	4	13		< 20		< 2	< 10	33	< 10	19	29
OREAS 923 (AQUA REGIA) Cert		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 923 (AQUA REGIA) Meas		0.059	0.69	< 2	4	13		< 20		< 2	< 10	33	< 10	19	24
OREAS 923 (AQUA REGIA) Cert		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
Oreas 96 (Aqua Regia) Meas			3.88	6											
Oreas 96 (Aqua Regia) Cert			4.38	4.53											
Oreas 96 (Aqua			3.79	6											

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Regia) Meas															
Oreas 96 (Aqua Regia) Cert			4.38	4.53											
Oreas 96 (Aqua Regia) Meas			4.02	5											
Oreas 96 (Aqua Regia) Cert			4.38	4.53											
Oreas 621 (Aqua Regia) Meas	0.176	0.033	4.74	112	2	18		< 20		< 2	< 10	12	< 10	8	69
Oreas 621 (Aqua Regia) Cert	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
Oreas 621 (Aqua Regia) Meas	0.179	0.033	4.75	110	2	17		< 20		< 2	< 10	12	< 10	8	68
Oreas 621 (Aqua Regia) Cert	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
Oreas 621 (Aqua Regia) Meas	0.183	0.033	4.71	111	2	17		< 20		< 2	< 10	12	< 10	8	62
Oreas 621 (Aqua Regia) Cert	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
B410001 Orig	0.127	0.061	0.02	< 2	5	37	0.20	< 20	1	< 2	< 10	49	< 10	5	21
B410001 Dup	0.123	0.059	0.02	< 2	5	37	0.20	< 20	4	< 2	< 10	47	< 10	5	23
B410010 Orig	0.016	0.003	< 0.01	< 2	< 1	2	< 0.01	< 20	< 1	< 2	< 10	2	< 10	1	4
B410010 Dup	0.015	0.003	< 0.01	< 2	< 1	2	< 0.01	< 20	< 1	< 2	< 10	2	< 10	1	4
B410029 Orig	0.416	0.040	0.08	< 2	14	53	0.20	< 20	5	< 2	< 10	111	< 10	9	7
B410029 Dup	0.422	0.040	0.08	< 2	14	53	0.20	< 20	6	< 2	< 10	110	< 10	9	7
B410044 Orig	0.462	0.036	0.29	< 2	12	68	0.17	< 20	< 1	< 2	< 10	98	< 10	9	4
B410044 Dup	0.462	0.036	0.30	< 2	12	68	0.17	< 20	< 1	< 2	< 10	98	< 10	9	4
B410059 Orig	0.301	0.064	0.33	< 2	17	42	0.22	< 20	2	< 2	< 10	143	< 10	10	12
B410059 Dup	0.293	0.065	0.33	< 2	16	41	0.22	< 20	< 1	< 2	< 10	142	< 10	10	11
B410068 Orig	0.201	0.075	0.02	< 2	16	49	0.18	< 20	< 1	< 2	< 10	149	< 10	12	9
B410068 Dup	0.202	0.077	0.02	3	16	49	0.18	< 20	4	< 2	< 10	149	< 10	12	10
B410087 Orig	0.200	0.034	0.27	4	10	46	0.17	< 20	4	< 2	< 10	105	< 10	7	8
B410087 Dup	0.214	0.034	0.27	2	11	48	0.19	< 20	6	< 2	< 10	109	< 10	8	10
B410107 Orig	0.205	0.036	0.48	3	10	34	0.21	< 20	< 1	< 2	< 10	144	< 10	8	11
B410107 Dup	0.194	0.036	0.47	< 2	9	34	0.19	< 20	< 1	< 2	< 10	139	< 10	7	10
B410122 Orig	0.107	0.253	0.38	2	7	71	0.25	< 20	5	< 2	< 10	60	< 10	9	5
B410122 Dup	0.105	0.258	0.37	< 2	7	71	0.25	< 20	2	< 2	< 10	60	< 10	9	5
B410131 Orig	0.209	0.034	0.19	2	7	33	0.20	< 20	2	< 2	< 10	95	< 10	7	9
B410131 Dup	0.208	0.033	0.18	< 2	7	32	0.19	< 20	< 1	< 2	< 10	94	< 10	7	9
B410139 Orig	0.154	0.049	0.05	< 2	6	49	0.21	< 20	< 1	< 2	< 10	73	< 10	7	12
B410139 Dup	0.145	0.049	0.05	< 2	6	44	0.19	< 20	4	< 2	< 10	70	< 10	6	12
B410149 Orig	0.137	0.134	0.28	< 2	7	62	0.24	< 20	2	< 2	< 10	83	< 10	6	18
B410149 Dup	0.138	0.135	0.29	< 2	7	63	0.24	< 20	6	< 2	< 10	85	< 10	6	17
B410154 Orig	0.030	0.025	0.49	< 2	1	115	0.04	< 20	< 1	< 2	< 10	14	< 10	2	5
B410154 Dup	0.028	0.024	0.47	< 2	1	114	0.04	< 20	< 1	< 2	< 10	13	< 10	2	4
B410159 Orig	0.165	0.046	0.51	< 2	7	40	0.17	< 20	< 1	< 2	< 10	72	< 10	5	15
B410159 Dup	0.163	0.046	0.50	< 2	7	39	0.17	< 20	< 1	< 2	< 10	72	< 10	5	15
B410165 Orig	0.139	0.097	0.11	< 2	6	48	0.17	< 20	4	< 2	< 10	63	< 10	6	11
B410165 Dup	0.140	0.095	0.11	< 2	6	48	0.18	< 20	5	< 2	< 10	62	< 10	6	14
B410169 Orig	0.290	0.036	0.23	< 2	12	20	0.24	< 20	8	< 2	< 10	124	< 10	10	12
B410169 Dup	0.284	0.036	0.23	< 2	11	19	0.23	< 20	2	< 2	< 10	122	< 10	10	12
B410179 Orig	0.116	0.039	0.41	2	14	93	0.21	< 20	3	< 2	< 10	158	< 10	11	11
B410179 Dup	0.115	0.039	0.40	< 2	14	90	0.22	< 20	< 1	< 2	< 10	154	< 10	11	13



Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B410183 Orig	0.162	0.029	0.07	< 2	8	40	0.23	< 20	3	< 2	< 10	108	< 10	8	15
B410183 Dup	0.158	0.029	0.07	< 2	8	39	0.23	< 20	< 1	< 2	< 10	106	< 10	8	15
B410189 Orig	0.085	0.022	< 0.01	< 2	2	14	0.06	< 20	2	< 2	10	14	< 10	5	27
B410189 Dup	0.088	0.023	< 0.01	< 2	2	15	0.07	< 20	1	< 2	10	14	< 10	5	29
B410199 Orig	0.121	0.018	0.48	< 2	9	111	0.16	< 20	2	< 2	< 10	54	< 10	5	9
B410199 Dup	0.126	0.017	0.48	< 2	10	115	0.17	< 20	2	< 2	< 10	56	< 10	5	9
B410203 Orig	0.076	0.015	0.35	< 2	9	61	0.17	< 20	2	< 2	< 10	60	< 10	5	8
B410203 Dup	0.076	0.016	0.36	< 2	9	61	0.17	< 20	3	< 2	< 10	61	< 10	5	8
B410208 Orig	0.037	0.014	1.06	< 2	14	236	0.11	< 20	4	< 2	< 10	97	< 10	5	9
B410208 Dup	0.040	0.014	1.10	< 2	14	242	0.11	< 20	< 1	< 2	< 10	100	< 10	5	9
B410214 Orig	0.119	0.012	0.90	< 2	8	96	0.15	< 20	2	< 2	< 10	54	13	4	7
B410214 Dup	0.120	0.012	0.89	8	8	96	0.15	< 20	< 1	< 2	< 10	54	13	4	7
B410221 Orig	0.149	0.266	0.33	< 2	7	124	0.25	< 20	3	< 2	< 10	63	< 10	10	5
B410221 Dup	0.147	0.262	0.33	< 2	7	119	0.23	< 20	3	< 2	< 10	62	< 10	10	5
B410228 Orig	0.266	0.144	0.19	< 2	7	140	0.19	< 20	5	< 2	< 10	64	< 10	8	8
B410228 Dup	0.249	0.141	0.18	3	6	134	0.18	< 20	< 1	< 2	< 10	61	< 10	7	9
B410233 Orig	0.350	0.041	0.39	2	15	149	0.34	< 20	3	< 2	< 10	192	< 10	9	8
B410233 Dup	0.358	0.042	0.40	< 2	16	151	0.36	< 20	4	< 2	< 10	197	< 10	9	9
B410237 Orig	0.085	0.038	0.70	< 2	15	50	0.26	< 20	3	< 2	< 10	130	< 10	9	18
B410237 Dup	0.085	0.038	0.70	< 2	15	49	0.25	< 20	< 1	< 2	< 10	127	< 10	8	17
B410243 Orig	0.393	0.051	0.44	< 2	17	72	0.22	< 20	2	< 2	< 10	143	< 10	10	8
B410243 Dup	0.382	0.049	0.42	3	17	71	0.22	< 20	2	< 2	< 10	141	< 10	10	8
B410249 Orig	0.089	0.044	0.53	2	20	107	0.15	< 20	< 1	< 2	< 10	141	< 10	10	9
B410249 Dup	0.090	0.044	0.54	< 2	20	107	0.16	< 20	< 1	< 2	< 10	142	< 10	10	9
B410252 Orig	0.209	0.053	0.67	3	19	36	0.25	< 20	3	< 2	< 10	182	< 10	12	10
B410252 Dup	0.204	0.052	0.65	2	19	35	0.25	< 20	< 1	< 2	< 10	179	< 10	12	10
B410259 Orig	0.210	0.051	0.51	< 2	12	42	0.18	< 20	< 1	< 2	< 10	106	< 10	7	22
B410259 Dup	0.203	0.049	0.49	< 2	12	41	0.17	< 20	2	< 2	< 10	103	< 10	7	18
Method Blank	0.010	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.010	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.009	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.008	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.010	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.009	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1



Report No.: A21-08198-1E3
Report Date: 11-Jun-21
Date Submitted: 05-May-21
Your Reference: LINGMAN LAKE WINTER 2021

SIGNATURE RESOURCES LTD
366 Bay Street, suite 200
Toronto ON M5H 4B2
Canada

ATTN: Robert Vallis

CERTIFICATE OF ANALYSIS

171 Core samples were submitted for analysis.

Table with 2 columns: The following analytical package(s) were requested: and Testing Date:
1E3-Tbay | QOP AquaGeo (Aqua Regia ICPOES) | 2021-06-08 12:00:25

REPORT A21-08198-1E3

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

Notes:

Values which exceed the upper limit should be assayed for accurate numbers.



LabID: 673

ACTIVATION LABORATORIES LTD.
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CERTIFIED BY:

[Handwritten signature]

Emmanuel Esemé, Ph.D.
Quality Control Coordinator

Results

Activation Laboratories Ltd.

Report: A21-08198

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2		0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B410262	0.3	< 0.5	70	402	< 1	149	3	41	1.40	7	< 10	42	< 0.5	< 2	3.00	25	300	2.58	< 10	< 1	0.14	24	1.76
B410263	0.4	< 0.5	65	396	1	195	3	33	1.60	7	< 10	55	< 0.5	< 2	2.31	27	485	2.69	< 10	< 1	0.12	45	2.27
B410264	< 0.2	< 0.5	44	458	1	210	2	40	2.12	< 2	< 10	246	< 0.5	< 2	2.12	27	531	2.90	< 10	< 1	0.55	57	2.75
B410265	0.3	< 0.5	23	436	< 1	169	3	38	1.81	3	< 10	141	< 0.5	< 2	2.34	21	432	2.56	< 10	< 1	0.39	57	2.39
B410266	1.6	< 0.5	203	460	35	25	6	30	0.94	< 2	< 10	33	< 0.5	< 2	1.21	32	14	5.02	< 10	< 1	0.10	13	1.09
B410267	1.3	< 0.5	209	603	25	26	4	38	1.54	< 2	< 10	12	< 0.5	< 2	1.52	44	10	5.87	< 10	< 1	0.07	< 10	1.35
B410268	0.8	< 0.5	122	780	9	21	3	38	2.09	< 2	< 10	28	< 0.5	< 2	2.82	30	11	5.43	< 10	< 1	0.24	13	1.72
B410269	1.4	< 0.5	140	845	14	36	8	40	2.27	11	< 10	45	< 0.5	< 2	1.48	47	38	6.45	< 10	< 1	0.44	10	2.24
B410270	< 0.2	< 0.5	4	50	< 1	< 1	2	7	0.06	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	4	0.55	< 10	< 1	0.01	< 10	0.01
B410271	< 0.2	< 0.5	70	467	1320	62	< 2	35	1.70	5	< 10	183	< 0.5	< 2	1.53	22	127	3.55	< 10	< 1	0.82	14	1.80
B410272	0.2	< 0.5	104	481	14	141	< 2	43	1.92	4	< 10	152	< 0.5	< 2	1.77	26	389	3.60	< 10	< 1	0.74	15	2.41
B410273	< 0.2	< 0.5	27	363	5	176	< 2	36	1.79	13	< 10	176	< 0.5	< 2	2.03	22	561	2.29	< 10	< 1	0.84	80	2.49
B410274	< 0.2	< 0.5	63	737	193	65	2	27	1.68	5	< 10	89	< 0.5	< 2	3.66	23	168	2.63	< 10	< 1	0.48	21	2.44
B410275	< 0.2	< 0.5	22	406	108	212	2	44	2.22	18	< 10	361	< 0.5	< 2	1.58	28	749	2.82	< 10	< 1	1.62	80	3.09
B410276	< 0.2	< 0.5	19	385	125	204	< 2	42	2.13	18	< 10	335	< 0.5	< 2	1.58	28	737	2.74	< 10	< 1	1.52	70	2.99
B410277	< 0.2	< 0.5	23	472	46	96	4	41	2.04	10	< 10	144	< 0.5	< 2	2.06	27	251	3.01	< 10	< 1	0.81	35	2.08
B410278	0.2	< 0.5	129	488	127	50	< 2	35	2.09	< 2	< 10	78	< 0.5	< 2	1.84	28	87	3.62	< 10	< 1	0.45	< 10	1.80
B410279	0.3	< 0.5	176	1050	34	106	< 2	152	3.73	286	< 10	21	< 0.5	< 2	0.71	45	267	8.23	10	< 1	0.08	< 10	2.62
B410281	0.5	< 0.5	389	630	1	166	< 2	62	2.51	113	< 10	24	< 0.5	< 2	0.66	71	322	6.59	< 10	< 1	0.11	< 10	2.08
B410282	0.9	< 0.5	1160	783	2	207	< 2	104	3.75	83	< 10	47	< 0.5	< 2	0.40	72	379	8.90	10	< 1	0.52	< 10	3.22
B410283	0.3	< 0.5	192	736	< 1	166	< 2	97	3.70	32	< 10	149	< 0.5	< 2	0.76	37	554	6.91	10	< 1	0.66	18	3.62
B410284	< 0.2	< 0.5	61	767	< 1	214	3	54	2.55	14	< 10	63	< 0.5	< 2	3.79	30	503	3.78	< 10	< 1	0.26	21	2.98
B410285	0.4	< 0.5	100	470	1	42	< 2	35	1.25	28	< 10	< 10	< 0.5	< 2	2.36	51	108	4.21	< 10	< 1	0.05	< 10	1.30
B410286	0.8	< 0.5	266	750	3	54	< 2	69	1.60	7	< 10	11	< 0.5	< 2	2.93	37	52	4.98	< 10	< 1	0.10	< 10	1.48
B410287	0.4	< 0.5	208	709	11	74	< 2	72	1.72	3	< 10	22	< 0.5	< 2	2.28	52	56	5.84	< 10	< 1	0.16	< 10	1.50
B410288	0.3	< 0.5	184	1570	15	73	< 2	98	2.63	< 2	< 10	58	< 0.5	< 2	6.63	27	44	6.46	< 10	< 1	0.38	< 10	2.72
B410289	0.2	< 0.5	124	1030	5	59	< 2	67	1.81	3	< 10	86	< 0.5	< 2	4.17	45	60	5.47	< 10	< 1	0.51	< 10	1.74
B410290	< 0.2	< 0.5	5	64	< 1	2	2	5	0.06	< 2	< 10	< 10	< 0.5	< 2	0.09	< 1	5	0.60	< 10	< 1	0.01	< 10	< 0.01
B410291	0.2	< 0.5	85	628	4	57	< 2	51	2.38	16	< 10	< 10	< 0.5	< 2	2.42	33	73	4.56	< 10	< 1	0.11	< 10	1.68
B410292	< 0.2	< 0.5	125	638	7	60	< 2	55	2.27	16	< 10	20	< 0.5	< 2	2.17	33	79	4.76	< 10	< 1	0.19	< 10	1.77
B410293	1.3	< 0.5	286	277	2	92	2	38	1.15	172	< 10	38	< 0.5	< 2	0.40	128	104	7.00	< 10	< 1	0.56	< 10	0.92
B410294	0.2	< 0.5	83	661	1	58	2	48	3.32	12	< 10	18	< 0.5	< 2	3.05	32	84	4.63	< 10	< 1	0.25	< 10	1.42
B410295	0.3	< 0.5	101	641	1	65	2	52	3.19	5	< 10	23	< 0.5	< 2	2.82	36	85	4.87	< 10	< 1	0.36	< 10	1.48
B410296	0.3	< 0.5	102	620	2	66	3	48	3.25	4	< 10	17	< 0.5	< 2	3.01	41	81	4.76	< 10	< 1	0.26	< 10	1.40
B410297	0.4	< 0.5	256	785	2	195	< 2	56	2.73	< 2	< 10	77	< 0.5	< 2	1.36	63	375	7.51	< 10	< 1	1.12	< 10	2.35
B410298	0.2	< 0.5	102	866	3	146	< 2	47	2.31	7	< 10	30	< 0.5	< 2	2.33	42	416	6.66	< 10	< 1	0.57	< 10	2.17
B410299	< 0.2	< 0.5	57	797	6	113	< 2	31	1.73	19	< 10	18	< 0.5	< 2	2.97	36	349	4.33	< 10	< 1	0.23	< 10	1.76
B410300	< 0.2	< 0.5	73	1370	1	108	2	68	1.74	1080	< 10	75	< 0.5	< 2	1.77	28	47	6.10	< 10	< 1	0.08	14	2.36
B410301	< 0.2	< 0.5	61	668	2	113	3	35	1.40	18	< 10	42	< 0.5	< 2	4.06	34	307	3.17	< 10	< 1	0.38	< 10	1.46
B410302	< 0.2	< 0.5	63	765	3	125	< 2	44	1.63	20	< 10	63	< 0.5	< 2	4.33	37	452	3.76	< 10	< 1	0.63	< 10	1.73
B410303	0.2	< 0.5	108	750	2	170	< 2	43	0.79	64	< 10	< 10	< 0.5	< 2	5.17	43	225	2.47	< 10	< 1	0.05	< 10	1.60
B410304	0.4	< 0.5	107	490	2	207	3	47	1.32	55	< 10	19	< 0.5	< 2	2.78	50	212	2.83	< 10	< 1	0.18	< 10	1.50
B410305	0.4	< 0.5	137	637	6	154	3	72	1.92	23	< 10	35	< 0.5	< 2	4.78	39	247	3.63	< 10	< 1	0.35	< 10	2.17
B410306	1.6	0.9	285	579	102	204	8	139	1.32	1000	< 10	13	< 0.5	< 2	4.75	47	101	2.94	< 10	< 1	0.17	12	1.69
B410307	0.5	< 0.5	178	590	41	75	3	72	2.51	41	< 10	48	< 0.5	< 2	1.98	43	97	4.93	< 10	< 1	0.45	< 10	1.79
B410308	< 0.2	< 0.5	63	600	7	96	3	63	4.91	63	< 10	< 10	< 0.5	< 2	0.13	57	163	9.66	10	< 1	0.05	< 10	3.59
B410309	< 0.2	< 0.5	74	664	10	83	4	60	4.29	85	< 10	23	< 0.5	< 2	0.12	49	162	8.16	10	< 1	0.07	< 10	2.96
B410310	< 0.2	< 0.5	4	52	< 1	< 1	< 2	5	0.06	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	5	0.61	< 10	< 1	< 0.01	< 10	< 0.01
B410311	0.2	< 0.5	114	656	2	59	< 2	45	3.21	2	< 10	27	< 0.5	< 2	2.53	33	86	4.82	< 10	< 1	0.42	< 10	1.70
B410312	0.3	< 0.5	112	686	8	68	< 2	49	3.15	< 2	< 10	52	< 0.5	< 2	2.45	40	98	5.45	< 10	< 1	0.74	< 10	1.90
B410313	0.3	< 0.5	74	702	1	51	< 2	45	2.90	< 2	< 10	21	< 0.5	< 2	3.57	29	77	4.58	< 10	< 1	0.28	< 10	1.94

## Results

## Activation Laboratories Ltd.

## Report: A21-08198

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2		0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B410314	0.6	< 0.5	95	1160	< 1	59	< 2	46	3.48	< 2	< 10	57	< 0.5	< 2	4.06	26	100	6.88	< 10	< 1	0.81	< 10	2.94
B410315	0.2	< 0.5	101	714	< 1	59	< 2	44	3.25	< 2	< 10	45	< 0.5	< 2	2.96	32	87	4.88	< 10	< 1	0.59	< 10	1.89
B410316	0.3	< 0.5	95	677	< 1	59	< 2	41	3.28	< 2	< 10	44	< 0.5	< 2	3.14	30	83	4.79	< 10	< 1	0.59	< 10	1.81
B410317	0.2	< 0.5	77	568	< 1	47	3	40	3.21	5	< 10	39	< 0.5	< 2	2.56	29	75	4.29	< 10	< 1	0.53	< 10	1.73
B410318	0.2	< 0.5	86	584	< 1	54	< 2	38	3.18	< 2	< 10	37	< 0.5	< 2	2.65	32	77	4.50	< 10	< 1	0.44	< 10	1.63
B410319	0.2	< 0.5	98	693	< 1	58	< 2	44	3.28	< 2	< 10	77	< 0.5	< 2	2.95	32	88	4.93	< 10	< 1	0.73	< 10	2.07
B410320	< 0.2	< 0.5	48	598	< 1	118	10	88	2.10	9	< 10	72	0.6	< 2	1.14	35	63	5.29	< 10	1	0.14	17	1.79
B410321	0.3	< 0.5	123	689	3	58	< 2	46	3.16	< 2	< 10	97	< 0.5	< 2	2.68	33	107	5.11	< 10	< 1	0.74	< 10	2.03
B410322	1.0	< 0.5	82	763	< 1	54	28	57	3.12	3	< 10	144	< 0.5	< 2	3.41	32	97	5.72	< 10	< 1	1.27	< 10	2.85
B410323	17.1	< 0.5	51	894	< 1	41	5	57	2.30	< 2	< 10	111	< 0.5	< 2	5.69	24	87	4.45	< 10	< 1	1.11	13	3.89
B410324	0.3	< 0.5	84	657	< 1	62	< 2	50	3.00	30	< 10	87	< 0.5	< 2	1.83	41	106	5.87	< 10	< 1	0.81	< 10	1.81
B410325	0.2	< 0.5	34	725	2	45	< 2	49	2.34	46	< 10	< 10	< 0.5	< 2	3.80	38	78	4.81	< 10	< 1	0.05	< 10	1.71
B410326	0.4	< 0.5	66	741	5	47	2	46	2.23	30	< 10	11	< 0.5	< 2	4.14	36	79	4.93	< 10	< 1	0.09	< 10	1.70
B410327	0.5	< 0.5	125	743	< 1	48	3	34	1.74	< 2	< 10	26	< 0.5	< 2	4.56	29	78	4.86	< 10	< 1	0.46	< 10	1.74
B410328	0.6	< 0.5	90	1190	4	64	< 2	53	2.74	< 2	< 10	81	< 0.5	< 2	4.85	35	110	6.44	< 10	< 1	0.81	< 10	2.40
B410329	0.9	< 0.5	112	870	4	56	< 2	46	2.09	< 2	< 10	61	< 0.5	< 2	4.76	30	87	4.72	< 10	< 1	0.44	< 10	1.85
B410330	< 0.2	< 0.5	4	53	< 1	< 1	< 2	4	0.08	< 2	< 10	< 10	< 0.5	< 2	0.02	< 1	5	0.61	< 10	< 1	0.02	< 10	< 0.01
B410331	0.6	< 0.5	122	1080	10	57	< 2	58	2.68	4	< 10	53	< 0.5	< 2	4.53	32	97	5.55	< 10	< 1	0.52	< 10	1.88
B410332	0.4	< 0.5	125	823	7	57	< 2	46	2.10	6	< 10	30	< 0.5	< 2	3.70	32	88	4.49	< 10	< 1	0.29	< 10	1.36
B410333	0.3	< 0.5	104	645	7	47	< 2	43	2.36	3	< 10	37	< 0.5	< 2	2.93	27	81	4.27	< 10	< 1	0.29	< 10	1.41
B410334	0.3	< 0.5	84	667	8	52	< 2	47	2.76	< 2	< 10	53	< 0.5	< 2	2.38	29	88	4.93	< 10	< 1	0.46	< 10	1.67
B410335	0.4	< 0.5	132	677	5	52	< 2	50	2.99	3	< 10	65	< 0.5	< 2	2.61	32	92	4.97	< 10	< 1	0.67	< 10	1.65
B410336	0.4	< 0.5	98	668	7	55	< 2	49	3.13	< 2	< 10	70	< 0.5	< 2	2.55	31	96	5.15	< 10	< 1	0.75	< 10	1.73
B410337	0.6	< 0.5	98	874	14	80	< 2	42	2.27	< 2	< 10	46	< 0.5	< 2	4.18	54	80	5.67	< 10	< 1	0.42	< 10	1.93
B410338	0.6	< 0.5	75	793	3	57	3	59	2.58	< 2	< 10	98	< 0.5	< 2	2.86	29	93	5.13	< 10	< 1	0.78	11	1.79
B410339	0.3	< 0.5	107	1010	10	59	< 2	62	2.37	13	< 10	21	< 0.5	< 2	4.05	36	88	4.86	< 10	< 1	0.27	< 10	1.45
B410340	1.3	< 0.5	116	621	4	143	28	61	2.84	52	14	45	< 0.5	< 2	2.79	28	421	4.09	< 10	< 1	0.20	< 10	3.03
B410341	0.3	< 0.5	117	769	11	68	< 2	45	2.97	7	< 10	79	< 0.5	< 2	2.49	37	106	5.42	< 10	< 1	0.80	< 10	1.65
B410342	< 0.2	< 0.5	128	558	< 1	81	2	43	2.84	< 2	< 10	25	< 0.5	< 2	1.94	38	151	5.03	< 10	< 1	0.18	25	2.02
B410343	0.6	< 0.5	125	553	3	79	2	40	1.75	12	< 10	88	< 0.5	< 2	2.20	32	147	4.13	< 10	< 1	0.16	31	1.70
B410344	< 0.2	< 0.5	63	460	1	99	4	43	1.66	24	< 10	178	< 0.5	< 2	1.86	33	205	3.56	< 10	< 1	0.21	39	1.87
B410345	1.1	< 0.5	201	439	1	111	3	41	1.59	29	< 10	170	< 0.5	< 2	2.29	37	202	3.56	< 10	< 1	0.18	42	1.91
B410346	1.0	< 0.5	181	492	11	121	4	50	1.81	< 2	< 10	280	< 0.5	< 2	3.42	27	255	3.90	< 10	< 1	0.56	57	2.12
B410347	1.5	< 0.5	103	691	2	153	3	74	2.19	< 2	< 10	21	< 0.5	< 2	3.67	32	305	4.35	< 10	< 1	0.07	19	2.73
B410348	1.7	< 0.5	212	633	4	38	19	37	1.47	< 2	< 10	49	< 0.5	< 2	2.35	38	29	5.05	< 10	< 1	0.17	< 10	1.92
B410349	0.7	< 0.5	155	568	6	28	3	33	1.63	< 2	< 10	111	< 0.5	< 2	1.75	41	13	4.90	< 10	< 1	0.20	< 10	1.64
B410350	< 0.2	< 0.5	2	77	< 1	< 1	< 2	< 2	0.08	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	12	0.86	< 10	< 1	0.01	< 10	< 0.01
B410351	0.5	< 0.5	117	637	8	20	2	37	1.81	< 2	< 10	10	< 0.5	< 2	2.07	34	11	4.98	< 10	< 1	0.05	< 10	1.63
B410352	0.3	< 0.5	126	650	8	22	< 2	37	2.12	< 2	< 10	< 10	< 0.5	< 2	1.98	29	12	5.23	< 10	< 1	0.04	< 10	2.12
B410353	0.5	< 0.5	127	605	29	20	< 2	32	1.92	< 2	< 10	< 10	< 0.5	< 2	1.97	31	11	4.99	< 10	< 1	0.04	< 10	1.80
B410354	0.4	< 0.5	87	610	21	18	< 2	34	1.86	< 2	< 10	< 10	< 0.5	< 2	1.90	31	11	5.08	< 10	< 1	0.04	< 10	1.69
B410355	0.7	< 0.5	110	540	4	86	2	32	1.62	< 2	< 10	32	< 0.5	< 2	1.81	37	189	4.62	< 10	< 1	0.10	10	2.13
B410356	0.7	< 0.5	116	516	9	116	< 2	34	1.64	3	< 10	26	< 0.5	< 2	1.73	33	236	4.34	< 10	< 1	0.07	14	2.19
B410357	< 0.2	< 0.5	15	459	797	144	< 2	31	1.54	< 2	< 10	95	< 0.5	< 2	2.88	19	389	2.70	< 10	< 1	0.25	30	2.57
B410358	0.2	< 0.5	80	645	1610	35	< 2	53	2.23	< 2	< 10	85	< 0.5	< 2	2.76	25	44	5.07	< 10	2	0.39	< 10	2.40
B410359	0.3	< 0.5	112	501	65	27	< 2	32	1.57	< 2	< 10	46	< 0.5	< 2	2.25	23	35	3.87	< 10	< 1	0.17	< 10	1.73
B410360	0.2	< 0.5	70	1330	1	102	3	68	1.67	1050	< 10	72	< 0.5	< 2	1.72	28	46	5.85	< 10	< 1	0.08	13	2.27
B410361	< 0.2	< 0.5	39	489	23	132	2	41	1.80	< 2	< 10	205	< 0.5	< 2	2.27	25	362	3.29	< 10	< 1	0.55	40	2.41
B410362	< 0.2	< 0.5	77	339	< 1	177	< 2	33	1.60	3	< 10	62	< 0.5	< 2	1.86	33	615	2.73	< 10	< 1	0.81	67	2.39
B410363	< 0.2	< 0.5	88	520	4	122	< 2	41	2.03	< 2	< 10	245	< 0.5	< 2	2.45	30	357	3.72	< 10	< 1	1.09	36	2.45
B410364	0.2	< 0.5	184	504	15	36	< 2	29	1.27	< 2	< 10	59	< 0.5	< 2	1.81	25	49	4.16	< 10	< 1	0.25	< 10	1.38

## Results

## Activation Laboratories Ltd.

## Report: A21-08198

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2		0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B410365	< 0.2	< 0.5	56	417	19	72	< 2	32	1.45	< 2	< 10	184	< 0.5	< 2	1.83	20	251	2.83	< 10	< 1	0.48	35	1.67
B410366	0.2	< 0.5	143	481	8	34	< 2	28	1.69	2	< 10	18	< 0.5	< 2	1.89	29	49	3.64	< 10	< 1	0.09	< 10	1.41
B410367	0.2	< 0.5	76	626	< 1	599	< 2	60	1.70	12	< 10	< 10	< 0.5	< 2	0.73	64	1270	6.22	< 10	< 1	0.06	< 10	4.00
B410368	1.1	4.8	459	1160	< 1	504	2	628	2.29	80	< 10	< 10	< 0.5	< 2	1.62	77	1070	6.98	< 10	< 1	0.05	< 10	5.19
B410369	0.2	< 0.5	108	524	< 1	568	< 2	30	1.06	63	11	< 10	< 0.5	< 2	0.88	62	1320	6.61	< 10	< 1	0.01	< 10	4.00
B410370	< 0.2	< 0.5	2	71	< 1	2	< 2	< 2	0.07	< 2	< 10	< 10	< 0.5	< 2	0.01	< 1	12	0.77	< 10	< 1	0.01	< 10	0.02
B410371	< 0.2	< 0.5	37	800	< 1	736	< 2	40	0.93	36	< 10	< 10	< 0.5	< 2	1.33	60	1500	6.49	< 10	2	< 0.01	< 10	5.78
B410372	1.6	9.3	166	732	< 1	1110	5	1510	1.87	63	< 10	30	< 0.5	< 2	0.62	103	1970	8.74	< 10	< 1	0.19	< 10	3.75
B410373	0.3	0.9	82	680	4	796	< 2	211	0.91	62	< 10	< 10	< 0.5	< 2	1.76	69	1460	6.39	< 10	< 1	0.03	< 10	5.21
B410374	0.8	1.8	177	358	17	1120	53	284	1.23	739	< 10	13	< 0.5	< 2	0.32	127	1010	4.92	< 10	< 1	0.13	< 10	1.31
B410375	0.7	< 0.5	197	601	7	729	18	101	2.10	1250	< 10	75	< 0.5	< 2	0.60	87	847	6.68	< 10	< 1	0.62	< 10	1.95
B410376	0.7	< 0.5	196	669	6	662	21	154	2.24	1240	< 10	77	< 0.5	< 2	0.58	84	795	6.90	< 10	< 1	0.65	< 10	2.05
B410377	0.9	< 0.5	261	1080	< 1	50	4	121	2.90	19	< 10	45	< 0.5	< 2	2.18	49	53	8.58	10	< 1	0.40	< 10	2.09
B410378	0.8	< 0.5	183	797	< 1	20	4	97	2.26	31	< 10	63	< 0.5	< 2	2.86	40	8	6.90	< 10	< 1	0.83	< 10	1.09
B410379	0.7	< 0.5	201	864	< 1	25	4	90	2.36	27	< 10	58	< 0.5	< 2	2.91	40	19	7.21	< 10	< 1	0.90	< 10	1.16
B410380	< 0.2	< 0.5	48	590	< 1	113	10	89	2.00	7	< 10	73	0.6	< 2	1.11	34	61	5.12	< 10	< 1	0.14	17	1.73
B410381	0.7	< 0.5	202	783	< 1	24	2	86	2.20	25	< 10	45	< 0.5	< 2	2.44	40	17	6.91	< 10	< 1	0.86	< 10	1.16
B410382	0.5	< 0.5	189	754	< 1	28	< 2	84	2.11	24	< 10	40	< 0.5	< 2	2.43	41	25	6.92	< 10	< 1	0.74	< 10	1.10
B410383	0.6	< 0.5	183	733	< 1	16	< 2	79	2.08	20	< 10	38	< 0.5	< 2	2.74	37	4	6.73	< 10	< 1	0.66	< 10	1.09
B410384	0.7	< 0.5	225	824	< 1	19	< 2	96	1.98	21	< 10	64	< 0.5	< 2	3.13	30	6	7.08	< 10	< 1	1.02	< 10	1.38
B410385	0.6	< 0.5	261	736	< 1	9	< 2	108	2.39	396	< 10	88	< 0.5	< 2	2.16	40	5	7.77	< 10	< 1	0.82	< 10	1.32
B410386	0.6	< 0.5	319	753	5	6	< 2	102	2.15	1600	< 10	95	< 0.5	< 2	2.51	40	2	7.61	< 10	2	0.62	< 10	1.03
B410387	0.4	< 0.5	212	750	16	6	< 2	97	2.20	84	< 10	98	< 0.5	< 2	2.82	38	2	7.16	< 10	< 1	0.61	< 10	1.14
B410388	0.4	< 0.5	245	680	6	5	< 2	78	1.99	25	< 10	31	< 0.5	< 2	2.14	40	2	6.86	< 10	< 1	0.24	< 10	0.95
B410389	0.4	< 0.5	324	713	10	7	< 2	75	2.01	22	< 10	23	< 0.5	< 2	2.30	43	4	6.70	< 10	< 1	0.21	< 10	0.98
B410390	< 0.2	< 0.5	2	75	< 1	< 1	< 2	< 2	0.08	2	< 10	< 10	< 0.5	< 2	0.01	< 1	11	0.79	< 10	< 1	0.02	< 10	0.01
B410391	0.3	< 0.5	171	692	1	7	< 2	61	2.03	29	< 10	28	< 0.5	< 2	2.26	45	3	6.49	< 10	< 1	0.22	< 10	0.97
B410392	0.3	< 0.5	190	775	2	6	< 2	63	1.96	70	< 10	20	< 0.5	< 2	2.94	43	5	6.74	< 10	< 1	0.21	< 10	0.88
B410393	0.3	< 0.5	226	754	2	9	2	62	2.03	1130	< 10	37	< 0.5	< 2	2.48	45	2	7.42	< 10	< 1	0.29	< 10	0.97
B410394	0.5	< 0.5	335	685	2	7	5	82	1.82	3220	< 10	24	< 0.5	< 2	2.32	76	2	7.10	< 10	< 1	0.20	< 10	0.91
B410395	0.4	< 0.5	188	727	1	8	5	68	1.85	38	< 10	< 10	< 0.5	< 2	2.28	41	2	6.75	< 10	< 1	0.14	< 10	0.88
B410396	0.7	< 0.5	194	751	< 1	6	15	71	1.85	35	< 10	11	< 0.5	< 2	2.22	42	2	6.82	< 10	< 1	0.14	< 10	0.88
B410397	0.3	< 0.5	177	644	< 1	9	< 2	77	1.93	880	< 10	16	< 0.5	< 2	2.20	44	2	6.35	< 10	< 1	0.14	< 10	0.96
B410398	0.2	< 0.5	161	598	< 1	10	< 2	66	2.10	84	< 10	39	< 0.5	< 2	1.87	41	2	6.11	< 10	< 1	0.25	< 10	1.09
B410399	0.3	< 0.5	162	678	< 1	6	< 2	58	1.98	32	< 10	12	< 0.5	< 2	2.10	42	1	6.76	< 10	< 1	0.12	< 10	0.98
B410400	1.3	< 0.5	113	610	4	139	27	59	2.81	48	14	44	< 0.5	< 2	2.74	28	410	4.02	< 10	< 1	0.19	< 10	2.97
B410401	< 0.2	< 0.5	169	722	< 1	2	3	69	1.91	62	< 10	< 10	< 0.5	< 2	1.98	41	1	7.75	< 10	< 1	0.10	10	0.78
B410402	0.3	< 0.5	215	779	3	6	13	112	1.89	79	< 10	15	< 0.5	< 2	2.31	46	1	7.63	< 10	< 1	0.13	< 10	0.84
B410403	< 0.2	< 0.5	148	738	< 1	6	4	76	1.83	286	< 10	< 10	< 0.5	< 2	2.39	38	2	7.05	< 10	< 1	0.10	< 10	0.84
B410404	0.4	< 0.5	204	757	< 1	9	14	110	1.82	35	< 10	< 10	< 0.5	< 2	2.49	38	1	7.03	< 10	< 1	0.09	< 10	0.84
B410405	< 0.2	< 0.5	161	713	< 1	6	3	77	1.81	36	< 10	< 10	< 0.5	< 2	2.37	38	2	6.54	< 10	< 1	0.10	< 10	0.85
B410406	0.2	< 0.5	218	618	< 1	7	4	70	1.69	29	< 10	12	< 0.5	< 2	1.85	47	2	6.92	< 10	< 1	0.12	< 10	0.83
B410407	< 0.2	< 0.5	177	628	< 1	4	6	68	1.84	26	< 10	< 10	< 0.5	< 2	1.80	41	2	7.22	< 10	< 1	0.11	< 10	0.85
B410408	0.2	< 0.5	203	547	< 1	7	3	65	2.05	2420	< 10	76	< 0.5	< 2	1.98	39	1	6.38	< 10	< 1	0.37	< 10	1.09
B410409	0.3	< 0.5	284	690	< 1	12	< 2	70	2.24	36	< 10	77	< 0.5	< 2	2.17	40	2	7.02	< 10	< 1	0.47	< 10	1.28
B410410	< 0.2	< 0.5	2	82	< 1	1	3	2	0.07	3	< 10	< 10	< 0.5	< 2	0.02	< 1	11	0.86	< 10	< 1	0.01	< 10	< 0.01
B410411	0.4	< 0.5	208	668	< 1	11	< 2	72	2.21	32	< 10	105	< 0.5	< 2	1.95	41	3	6.59	< 10	< 1	0.57	< 10	1.28
B410412	< 0.2	< 0.5	100	756	< 1	13	4	86	2.22	193	< 10	52	< 0.5	< 2	2.61	44	4	6.58	< 10	< 1	0.32	< 10	1.25
B410413	< 0.2	< 0.5	131	749	< 1	14	2	73	2.05	33	< 10	26	< 0.5	< 2	2.81	39	3	6.10	< 10	< 1	0.23	< 10	1.24
B410414	0.5	< 0.5	527	955	< 1	15	2	106	2.43	35	< 10	23	< 0.5	< 2	3.11	36	4	6.67	< 10	< 1	0.16	< 10	1.49
B410415	0.3	< 0.5	324	644	< 1	21	2	71	1.94	891	< 10	33	< 0.5	< 2	2.33	75	4	7.41	< 10	< 1	0.25	< 10	1.22

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B410416	0.3	< 0.5	278	606	< 1	17	< 2	71	1.89	695	< 10	48	< 0.5	< 2	2.18	61	5	6.92	< 10	< 1	0.32	< 10	1.18
B410417	0.4	< 0.5	355	785	2	19	< 2	72	2.13	42	< 10	49	< 0.5	< 2	3.87	43	6	6.72	< 10	< 1	0.31	< 10	1.23
B410418	0.3	< 0.5	217	779	2	13	2	68	2.02	47	< 10	11	< 0.5	< 2	2.63	51	3	6.26	< 10	< 1	0.15	< 10	1.12
B410419	0.3	< 0.5	183	764	3	14	< 2	66	2.03	40	< 10	12	< 0.5	< 2	2.61	49	3	6.26	< 10	< 1	0.16	< 10	1.13
B410420	< 0.2	< 0.5	69	1320	1	99	3	67	1.59	1020	< 10	66	< 0.5	< 2	1.66	27	44	5.73	< 10	< 1	0.08	13	2.22
B410421	0.4	< 0.5	644	789	7	12	< 2	79	2.06	28	< 10	33	< 0.5	< 2	2.66	44	2	6.56	< 10	< 1	0.19	< 10	1.12
B410422	0.3	< 0.5	234	809	< 1	12	2	68	2.03	43	< 10	21	< 0.5	< 2	2.36	50	2	6.56	< 10	< 1	0.16	< 10	1.08
B410423	0.3	< 0.5	234	816	< 1	16	< 2	74	1.98	41	< 10	< 10	< 0.5	< 2	2.36	51	2	6.74	< 10	< 1	0.13	< 10	1.01
B410424	0.3	< 0.5	195	786	< 1	12	< 2	70	1.75	33	< 10	< 10	< 0.5	< 2	2.20	48	1	7.14	< 10	< 1	0.11	< 10	0.93
B410425	0.3	< 0.5	285	722	4	16	< 2	70	1.67	44	< 10	14	< 0.5	< 2	2.18	41	11	6.08	< 10	< 1	0.13	< 10	1.06
B410426	0.4	< 0.5	208	681	< 1	48	< 2	54	1.55	69	< 10	13	< 0.5	< 2	2.52	39	56	4.52	< 10	< 1	0.09	< 10	1.47
B410427	0.2	< 0.5	179	404	< 1	60	< 2	22	0.77	65	< 10	< 10	< 0.5	< 2	2.29	39	171	2.54	< 10	< 1	0.06	< 10	1.04
B410428	0.4	< 0.5	142	544	< 1	57	< 2	35	1.13	40	< 10	< 10	< 0.5	< 2	2.76	34	197	3.16	< 10	< 1	0.07	< 10	1.36
B410429	0.3	< 0.5	186	526	< 1	85	< 2	32	1.20	38	< 10	< 10	< 0.5	< 2	2.57	37	228	3.27	< 10	< 1	0.07	< 10	1.44
B410430	< 0.2	< 0.5	2	72	< 1	< 1	< 2	2	0.07	< 2	< 10	< 10	< 0.5	< 2	0.02	< 1	11	0.72	< 10	< 1	0.01	< 10	0.01
B410431	0.2	< 0.5	83	536	3	149	< 2	34	1.35	150	< 10	< 10	< 0.5	< 2	2.89	47	480	3.29	< 10	< 1	0.05	< 10	1.70
B410432	< 0.2	< 0.5	46	459	7	158	< 2	19	0.82	89	< 10	11	< 0.5	< 2	3.81	36	514	2.05	< 10	< 1	0.06	< 10	1.32

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B410262	0.137	0.157	0.68	< 2	5	121	0.15	< 20	6	< 2	< 10	50	< 10	6	6
B410263	0.149	0.195	0.46	4	7	104	0.18	< 20	5	< 2	< 10	60	< 10	8	5
B410264	0.219	0.198	0.16	3	8	90	0.18	< 20	5	< 2	< 10	66	< 10	7	5
B410265	0.248	0.123	0.09	2	7	96	0.20	< 20	< 1	< 2	< 10	60	< 10	7	11
B410266	0.152	0.043	2.25	< 2	10	19	0.29	< 20	2	< 2	< 10	115	< 10	11	25
B410267	0.183	0.042	2.06	< 2	13	23	0.22	< 20	1	< 2	< 10	137	< 10	11	18
B410268	0.257	0.039	0.75	< 2	16	30	0.18	< 20	< 1	< 2	< 10	162	< 10	12	12
B410269	0.149	0.066	1.90	< 2	15	40	0.25	< 20	6	< 2	< 10	159	< 10	12	21
B410270	0.014	0.002	< 0.01	< 2	< 1	1	< 0.01	< 20	3	< 2	< 10	1	< 10	< 1	3
B410271	0.137	0.091	0.18	< 2	11	64	0.26	< 20	10	< 2	< 10	112	35	8	18
B410272	0.129	0.093	0.15	3	9	66	0.25	< 20	4	< 2	< 10	105	26	8	19
B410273	0.094	0.274	0.18	4	6	86	0.20	< 20	< 1	< 2	< 10	53	< 10	7	4
B410274	0.117	0.062	0.51	< 2	7	101	0.16	< 20	< 1	< 2	< 10	64	> 200	6	12
B410275	0.090	0.313	0.19	5	7	60	0.22	< 20	11	< 2	< 10	70	< 10	8	4
B410276	0.089	0.307	0.20	3	7	57	0.22	< 20	8	< 2	< 10	67	< 10	8	4
B410277	0.143	0.122	0.37	3	10	93	0.20	< 20	3	< 2	< 10	88	23	7	16
B410278	0.258	0.021	0.19	< 2	12	46	0.20	< 20	2	< 2	< 10	103	< 10	5	7
B410279	0.081	0.023	0.43	4	23	12	0.24	< 20	2	< 2	< 10	219	20	12	11
B410281	0.078	0.020	0.97	4	19	10	0.25	< 20	< 1	< 2	< 10	179	< 10	8	10
B410282	0.030	0.015	1.56	4	23	7	0.34	< 20	6	< 2	< 10	238	< 10	12	14
B410283	0.075	0.094	0.35	4	17	20	0.31	< 20	7	< 2	< 10	219	< 10	10	21
B410284	0.134	0.139	0.05	4	5	93	0.19	< 20	11	< 2	< 10	81	< 10	7	7
B410285	0.175	0.033	0.66	2	6	44	0.26	< 20	5	< 2	< 10	91	< 10	6	11
B410286	0.231	0.044	0.32	3	8	18	0.18	< 20	2	< 2	< 10	105	< 10	8	9
B410287	0.222	0.037	0.91	3	10	12	0.19	< 20	9	< 2	< 10	116	< 10	8	12
B410288	0.037	0.060	1.31	2	5	106	0.16	< 20	3	< 2	< 10	124	< 10	8	13
B410289	0.158	0.040	0.82	10	7	43	0.19	< 20	2	< 2	< 10	105	< 10	8	11
B410290	0.016	0.001	< 0.01	< 2	< 1	2	< 0.01	< 20	4	< 2	< 10	1	< 10	< 1	3
B410291	0.299	0.037	0.10	< 2	15	21	0.18	< 20	8	< 2	< 10	122	< 10	10	6
B410292	0.280	0.036	0.13	3	15	12	0.19	< 20	2	< 2	< 10	124	< 10	9	7
B410293	0.115	0.031	3.73	8	14	7	0.10	< 20	2	< 2	< 10	136	< 10	7	13
B410294	0.492	0.036	0.86	5	16	50	0.24	< 20	4	< 2	< 10	134	< 10	11	5
B410295	0.445	0.036	0.92	3	15	49	0.21	< 20	2	< 2	< 10	134	< 10	10	5
B410296	0.466	0.036	0.94	< 2	15	51	0.21	< 20	3	< 2	< 10	124	< 10	10	5
B410297	0.153	0.028	1.04	6	18	22	0.23	< 20	3	< 2	< 10	170	< 10	7	11
B410298	0.127	0.023	0.52	3	16	39	0.19	< 20	5	< 2	< 10	149	< 10	6	10
B410299	0.181	0.022	0.32	4	12	54	0.17	< 20	2	< 2	< 10	86	< 10	6	8
B410300	0.354	0.149	0.82	4	4	96	0.15	< 20	2	< 2	< 10	47	< 10	12	5
B410301	0.101	0.016	0.43	3	7	71	0.15	< 20	< 1	< 2	< 10	62	< 10	4	9
B410302	0.081	0.017	0.45	< 2	8	92	0.20	< 20	2	< 2	< 10	73	< 10	5	7
B410303	0.065	0.010	0.37	2	5	90	0.15	< 20	< 1	< 2	< 10	40	< 10	4	7
B410304	0.129	0.013	0.32	< 2	6	80	0.17	< 20	< 1	< 2	< 10	44	< 10	4	10
B410305	0.121	0.013	0.76	3	7	118	0.15	< 20	< 1	< 2	< 10	66	< 10	5	11
B410306	0.083	0.024	0.69	< 2	6	60	0.09	< 20	7	< 2	< 10	48	13	7	30
B410307	0.300	0.037	0.58	3	14	32	0.24	< 20	3	< 2	< 10	133	< 10	12	12
B410308	0.020	0.027	0.46	4	40	4	0.12	< 20	< 1	< 2	< 10	300	< 10	16	12
B410309	0.032	0.037	0.42	2	32	4	0.14	< 20	8	< 2	< 10	269	< 10	13	19
B410310	0.011	0.002	< 0.01	< 2	< 1	< 1	< 0.01	< 20	1	< 2	< 10	< 1	< 10	< 1	3
B410311	0.424	0.037	0.31	< 2	15	66	0.21	< 20	< 1	< 2	< 10	133	< 10	12	6
B410312	0.359	0.037	0.70	2	14	57	0.27	< 20	3	< 2	< 10	146	< 10	12	8
B410313	0.364	0.035	0.34	2	14	66	0.21	< 20	< 1	< 2	< 10	121	< 10	11	5

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B410314	0.125	0.037	1.18	< 2	15	51	0.24	< 20	4	< 2	< 10	182	< 10	13	8
B410315	0.388	0.036	0.42	< 2	13	72	0.22	< 20	6	< 2	< 10	130	< 10	11	5
B410316	0.399	0.036	0.40	< 2	13	72	0.22	< 20	10	< 2	< 10	124	< 10	11	5
B410317	0.395	0.033	0.19	< 2	13	66	0.20	< 20	< 1	< 2	< 10	115	< 10	11	6
B410318	0.417	0.034	0.26	< 2	13	71	0.20	< 20	12	< 2	< 10	116	< 10	10	4
B410319	0.346	0.036	0.37	3	14	88	0.21	< 20	5	< 2	< 10	136	< 10	10	5
B410320	0.330	0.093	0.02	< 2	6	93	0.23	< 20	3	< 2	< 10	50	< 10	12	6
B410321	0.333	0.044	0.31	3	15	86	0.22	< 20	3	< 2	< 10	145	< 10	11	8
B410322	0.219	0.031	0.66	< 2	17	79	0.22	< 20	< 1	< 2	< 10	165	< 10	10	6
B410323	0.125	0.036	0.58	< 2	11	82	0.19	< 20	< 1	< 2	< 10	131	< 10	10	10
B410324	0.259	0.038	0.29	4	17	38	0.28	< 20	10	< 2	< 10	170	< 10	10	8
B410325	0.157	0.034	0.12	3	13	51	0.25	< 20	1	< 2	< 10	115	< 10	11	8
B410326	0.198	0.035	0.19	3	14	48	0.24	< 20	< 1	< 2	< 10	126	< 10	10	8
B410327	0.241	0.035	0.42	< 2	10	132	0.18	< 20	3	< 2	< 10	115	< 10	8	9
B410328	0.176	0.035	0.48	4	16	85	0.19	< 20	5	< 2	< 10	184	< 10	11	10
B410329	0.206	0.046	0.35	2	16	33	0.19	< 20	7	< 2	< 10	144	< 10	12	8
B410330	0.015	0.002	< 0.01	< 2	< 1	1	< 0.01	< 20	2	< 2	< 10	1	< 10	< 1	3
B410331	0.165	0.034	0.22	2	16	26	0.21	< 20	1	< 2	< 10	166	< 10	11	9
B410332	0.230	0.043	0.25	2	15	24	0.21	< 20	8	< 2	< 10	140	< 10	11	7
B410333	0.294	0.036	0.09	< 2	14	33	0.21	< 20	< 1	< 2	< 10	122	< 10	10	7
B410334	0.328	0.041	0.10	< 2	16	37	0.23	< 20	2	< 2	< 10	135	< 10	11	9
B410335	0.327	0.036	0.17	< 2	15	49	0.23	< 20	9	< 2	< 10	142	< 10	10	8
B410336	0.335	0.036	0.16	2	16	49	0.24	< 20	< 1	< 2	< 10	145	< 10	10	8
B410337	0.159	0.040	1.13	< 2	12	33	0.22	< 20	< 1	< 2	< 10	130	< 10	10	13
B410338	0.149	0.048	0.29	< 2	13	33	0.26	< 20	6	< 2	< 10	136	< 10	9	16
B410339	0.217	0.036	0.24	< 2	15	29	0.25	< 20	6	< 2	< 10	140	< 10	12	7
B410340	0.062	0.027	0.71	3	9	46	0.23	< 20	< 1	< 2	< 10	112	< 10	9	17
B410341	0.269	0.036	0.44	< 2	16	59	0.27	< 20	2	< 2	< 10	169	< 10	10	9
B410342	0.253	0.135	0.50	2	13	55	0.21	< 20	9	< 2	< 10	120	< 10	12	18
B410343	0.234	0.124	0.30	3	13	72	0.19	< 20	< 1	< 2	< 10	103	< 10	10	14
B410344	0.190	0.162	0.18	< 2	10	66	0.20	< 20	3	< 2	< 10	91	< 10	10	7
B410345	0.189	0.169	0.36	< 2	10	81	0.19	< 20	< 1	< 2	< 10	90	< 10	10	6
B410346	0.178	0.245	0.36	< 2	8	125	0.18	< 20	5	< 2	< 10	86	< 10	12	5
B410347	0.144	0.102	0.60	< 2	8	106	0.17	< 20	< 1	< 2	< 10	90	< 10	8	20
B410348	0.159	0.046	1.74	< 2	12	35	0.18	< 20	2	< 2	< 10	128	< 10	9	23
B410349	0.223	0.055	0.75	< 2	17	17	0.18	< 20	4	< 2	< 10	159	< 10	10	21
B410350	0.015	0.002	< 0.01	< 2	< 1	1	< 0.01	< 20	2	< 2	< 10	1	< 10	< 1	3
B410351	0.283	0.054	0.33	< 2	17	15	0.17	< 20	< 1	< 2	< 10	143	< 10	11	18
B410352	0.292	0.048	0.12	3	19	19	0.17	< 20	4	< 2	< 10	158	24	12	18
B410353	0.294	0.043	0.17	< 2	18	18	0.17	< 20	7	< 2	< 10	148	13	10	17
B410354	0.286	0.046	0.23	< 2	18	19	0.18	< 20	9	< 2	< 10	151	< 10	11	19
B410355	0.226	0.075	0.62	< 2	14	31	0.19	< 20	4	< 2	< 10	131	< 10	9	23
B410356	0.190	0.081	0.56	3	12	29	0.18	< 20	< 1	< 2	< 10	122	< 10	8	23
B410357	0.152	0.155	0.11	< 2	8	76	0.17	< 20	< 1	< 2	< 10	65	< 10	7	6
B410358	0.379	0.060	0.17	< 2	15	60	0.22	< 20	5	< 2	< 10	135	< 10	10	15
B410359	0.272	0.034	0.12	< 2	15	59	0.21	< 20	3	< 2	< 10	134	> 200	9	16
B410360	0.340	0.145	0.82	2	4	94	0.15	< 20	6	< 2	< 10	46	< 10	12	5
B410361	0.221	0.164	0.17	2	11	51	0.24	< 20	2	< 2	< 10	97	61	9	6
B410362	0.130	0.257	0.79	3	6	47	0.22	< 20	4	< 2	< 10	54	< 10	8	4
B410363	0.158	0.145	0.36	4	10	58	0.23	< 20	8	< 2	< 10	97	16	8	13
B410364	0.185	0.033	0.14	< 2	11	44	0.25	< 20	2	< 2	< 10	112	< 10	9	14



Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	10	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B410365	0.154	0.145	0.09	< 2	8	61	0.22	< 20	8	< 2	< 10	76	< 10	8	11
B410366	0.177	0.034	0.27	< 2	11	69	0.26	< 20	5	< 2	< 10	102	< 10	9	12
B410367	0.052	0.021	0.34	8	4	11	0.12	< 20	10	< 2	< 10	109	< 10	3	5
B410368	0.065	0.023	0.34	10	10	27	0.10	< 20	< 1	< 2	< 10	113	< 10	4	8
B410369	0.067	0.009	0.05	10	5	5	0.11	< 20	< 1	< 2	< 10	111	< 10	3	3
B410370	0.018	0.002	< 0.01	< 2	< 1	1	< 0.01	< 20	1	< 2	< 10	1	< 10	< 1	3
B410371	0.010	0.006	0.07	14	5	7	0.07	< 20	6	< 2	< 10	97	< 10	2	2
B410372	0.015	0.019	1.35	15	9	5	0.11	< 20	2	< 2	< 10	135	< 10	2	8
B410373	0.010	0.007	0.27	12	10	10	0.05	< 20	1	< 2	< 10	90	< 10	3	2
B410374	0.019	0.002	1.13	6	4	2	0.06	< 20	3	< 2	< 10	67	< 10	< 1	2
B410375	0.067	0.013	1.27	10	6	3	0.12	< 20	3	< 2	< 10	106	12	4	8
B410376	0.071	0.015	1.37	9	6	3	0.13	< 20	< 1	< 2	< 10	116	< 10	4	10
B410377	0.114	0.037	1.36	3	8	11	0.19	< 20	< 1	< 2	< 10	191	< 10	13	13
B410378	0.210	0.038	0.15	< 2	7	12	0.22	< 20	< 1	< 2	< 10	173	< 10	12	8
B410379	0.212	0.037	0.21	< 2	7	13	0.22	< 20	5	< 2	< 10	168	< 10	12	7
B410380	0.313	0.091	0.02	< 2	5	91	0.24	< 20	5	< 2	< 10	50	< 10	11	8
B410381	0.201	0.037	0.21	3	7	12	0.24	< 20	5	< 2	< 10	168	< 10	11	9
B410382	0.202	0.037	0.27	5	7	11	0.23	< 20	< 1	< 2	< 10	169	< 10	11	9
B410383	0.197	0.039	0.20	2	7	12	0.22	< 20	11	< 2	< 10	168	< 10	12	12
B410384	0.109	0.036	1.60	2	7	17	0.23	< 20	3	< 2	< 10	165	< 10	11	14
B410385	0.158	0.040	1.21	3	9	13	0.19	< 20	5	< 2	< 10	165	< 10	12	15
B410386	0.204	0.039	0.66	3	8	14	0.12	< 20	10	< 2	< 10	149	< 10	11	10
B410387	0.193	0.042	0.62	4	8	14	0.19	< 20	7	< 2	< 10	149	< 10	12	11
B410388	0.256	0.045	0.38	2	9	8	0.17	< 20	2	< 2	< 10	132	< 10	12	11
B410389	0.263	0.046	0.48	3	8	8	0.18	< 20	2	< 2	< 10	121	< 10	13	14
B410390	0.015	0.002	< 0.01	< 2	< 1	1	< 0.01	< 20	1	< 2	< 10	1	< 10	< 1	3
B410391	0.275	0.045	0.34	< 2	8	7	0.18	< 20	4	< 2	< 10	113	< 10	12	13
B410392	0.261	0.045	0.49	< 2	8	12	0.17	< 20	7	< 2	< 10	119	< 10	12	11
B410393	0.247	0.046	0.98	< 2	8	10	0.18	< 20	< 1	< 2	< 10	123	< 10	13	12
B410394	0.228	0.043	1.01	4	7	10	0.11	< 20	< 1	< 2	< 10	112	< 10	12	12
B410395	0.278	0.047	0.46	3	8	9	0.19	< 20	2	< 2	< 10	112	< 10	12	11
B410396	0.265	0.046	0.63	< 2	8	10	0.19	< 20	6	< 2	< 10	115	< 10	12	11
B410397	0.264	0.045	0.33	2	8	9	0.11	< 20	< 1	< 2	< 10	126	< 10	11	11
B410398	0.261	0.046	0.19	3	8	7	0.17	< 20	< 1	< 2	< 10	118	< 10	11	13
B410399	0.275	0.050	0.28	< 2	8	9	0.17	< 20	5	< 2	< 10	116	< 10	13	15
B410400	0.061	0.026	0.69	< 2	9	45	0.23	< 20	< 1	< 2	< 10	110	< 10	9	16
B410401	0.267	0.056	0.42	2	7	10	0.14	< 20	7	< 2	< 10	95	< 10	15	15
B410402	0.229	0.051	0.91	3	7	21	0.17	< 20	< 1	< 2	< 10	102	< 10	15	13
B410403	0.264	0.047	0.46	2	7	12	0.13	< 20	3	< 2	< 10	114	< 10	14	12
B410404	0.247	0.047	0.56	4	7	14	0.16	< 20	7	< 2	< 10	109	< 10	13	12
B410405	0.248	0.045	0.36	< 2	7	11	0.15	< 20	2	< 2	< 10	100	< 10	11	12
B410406	0.247	0.049	0.68	3	7	8	0.16	< 20	< 1	< 2	< 10	102	< 10	11	14
B410407	0.266	0.051	0.51	4	7	7	0.16	< 20	< 1	< 2	< 10	89	< 10	13	16
B410408	0.239	0.046	0.50	4	7	10	0.10	< 20	< 1	< 2	< 10	100	< 10	12	14
B410409	0.243	0.042	0.54	3	8	15	0.21	< 20	7	< 2	< 10	137	< 10	11	14
B410410	0.016	0.002	< 0.01	< 2	< 1	1	< 0.01	< 20	2	< 2	< 10	1	< 10	< 1	3
B410411	0.265	0.036	0.12	3	9	13	0.22	< 20	< 1	< 2	< 10	162	< 10	10	13
B410412	0.224	0.034	0.46	4	9	24	0.20	< 20	1	< 2	< 10	164	< 10	10	12
B410413	0.224	0.036	0.32	< 2	8	20	0.22	< 20	7	< 2	< 10	145	< 10	10	10
B410414	0.213	0.036	0.37	3	9	37	0.24	< 20	1	< 2	< 10	146	< 10	9	11
B410415	0.192	0.033	2.26	4	10	17	0.14	< 20	1	< 2	< 10	207	< 10	10	15

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B410416	0.182	0.032	1.68	4	9	17	0.15	< 20	< 1	< 2	< 10	201	< 10	10	13
B410417	0.220	0.030	0.91	4	9	33	0.21	< 20	< 1	< 2	< 10	208	< 10	9	9
B410418	0.302	0.034	0.17	2	10	23	0.20	< 20	3	< 2	< 10	190	< 10	9	10
B410419	0.294	0.034	0.16	< 2	10	18	0.19	< 20	< 1	< 2	< 10	196	< 10	9	10
B410420	0.319	0.142	0.80	3	4	90	0.14	< 20	< 1	< 2	< 10	45	< 10	12	5
B410421	0.258	0.033	0.52	< 2	8	20	0.22	< 20	< 1	< 2	< 10	172	< 10	9	10
B410422	0.303	0.037	0.22	3	9	19	0.19	< 20	< 1	< 2	< 10	163	< 10	9	12
B410423	0.302	0.039	0.22	3	9	19	0.17	< 20	5	< 2	< 10	154	< 10	10	12
B410424	0.285	0.044	0.29	3	8	15	0.18	< 20	11	< 2	< 10	139	< 10	10	14
B410425	0.240	0.039	0.34	2	8	15	0.20	< 20	5	< 2	< 10	114	< 10	10	12
B410426	0.177	0.030	0.19	< 2	8	18	0.22	< 20	8	< 2	< 10	85	< 10	7	7
B410427	0.117	0.025	0.12	< 2	6	18	0.23	< 20	8	< 2	< 10	49	< 10	6	4
B410428	0.123	0.025	0.04	< 2	6	23	0.18	< 20	3	< 2	< 10	61	< 10	5	6
B410429	0.105	0.025	0.16	< 2	5	22	0.19	< 20	3	< 2	< 10	61	< 10	4	8
B410430	0.015	0.001	< 0.01	< 2	< 1	2	< 0.01	< 20	3	< 2	< 10	1	< 10	< 1	3
B410431	0.075	0.020	0.28	5	3	32	0.18	< 20	6	< 2	< 10	50	< 10	3	8
B410432	0.062	0.017	0.09	3	3	42	0.13	< 20	4	< 2	< 10	28	< 10	3	6

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas	0.3	< 0.5	68	1030	2	24	91	119	7.41	256	< 10	715	0.9	< 2	0.14	14	84	5.59	20	< 1	1.20	12	0.41
GXR-6 Cert	1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9	0.609
GXR-6 Meas	0.2	< 0.5	67	1040	2	20	90	119	7.30	252	< 10	839	0.9	< 2	0.16	14	83	5.54	20	< 1	1.21	12	0.42
GXR-6 Cert	1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9	0.609
GXR-6 Meas	0.3	< 0.5	65	1050	1	20	95	119	7.07	246	< 10	756	0.9	< 2	0.14	14	82	5.44	20	< 1	1.17	12	0.40
GXR-6 Cert	1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9	0.609
OREAS 922 (AQUA REGIA) Meas	0.8	< 0.5	2240	737	< 1	33	56	238	3.01	2		78	0.8	7	0.41	20	48	5.23	< 10		0.51	40	1.39
OREAS 922 (AQUA REGIA) Cert	0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5	1.33
OREAS 922 (AQUA REGIA) Meas	0.8	< 0.5	2210	767	< 1	32	56	242	3.00	3		85	0.8	3	0.41	20	48	5.15	< 10		0.52	39	1.37
OREAS 922 (AQUA REGIA) Cert	0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5	1.33
OREAS 922 (AQUA REGIA) Meas	0.8	< 0.5	2180	752	< 1	30	59	241	2.87	< 2		79	0.7	4	0.39	19	47	5.02	< 10		0.48	37	1.34
OREAS 922 (AQUA REGIA) Cert	0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5	1.33
OREAS 923 (AQUA REGIA) Meas	1.9	< 0.5	4260	885	< 1	30	79	320	2.91	6		70	0.7	14	0.40	22	43	5.80	< 10		0.43	35	1.43
OREAS 923 (AQUA REGIA) Cert	1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0	1.43
Oreas 621 (Aqua Regia) Meas	66.3	278	3700	510	13	23	> 5000	> 10000	1.70	75			0.6	< 2	1.61	28	28	3.42	< 10	4	0.38	21	0.45
Oreas 621 (Aqua Regia) Cert	68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4	0.436
Oreas 621 (Aqua Regia) Meas	66.7	270	3590	503	12	21	> 5000	> 10000	1.76	78			0.6	< 2	1.56	30	29	3.32	< 10	5	0.38	20	0.44
Oreas 621 (Aqua Regia) Cert	68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4	0.436
Oreas 621 (Aqua Regia) Meas	64.9	272	3540	514	12	22	> 5000	> 10000	1.69	76			0.5	< 2	1.53	29	31	3.24	< 10	5	0.36	19	0.43
Oreas 621 (Aqua Regia) Cert	68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4	0.436
OREAS 45f (Aqua Regia) Meas			323	170	< 1	224	11	26	7.12			142	1.0	< 2	0.07	40	357	12.5	20	2	0.11	11	0.17
OREAS 45f (Aqua Regia) Cert			336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750	39.2	341	13.7	20.3	0.0310	0.0820	10.7	0.152
B410269 Orig	1.4	< 0.5	140	831	13	35	8	39	2.26	11	< 10	43	< 0.5	< 2	1.46	47	38	6.45	< 10	< 1	0.44	10	2.22
B410269 Dup	1.4	< 0.5	139	859	14	36	7	40	2.28	11	< 10	47	< 0.5	< 2	1.50	47	38	6.46	< 10	< 1	0.44	10	2.25
B410279 Orig	0.3	< 0.5	175	1040	33	105	< 2	152	3.66	278	< 10	21	< 0.5	< 2	0.69	45	264	8.14	10	< 1	0.08	< 10	2.59
B410279 Dup	0.3	< 0.5	178	1060	34	107	< 2	153	3.79	293	< 10	22	< 0.5	< 2	0.73	45	270	8.32	10	< 1	0.08	< 10	2.65
B410288 Orig	0.3	< 0.5	187	1590	16	71	< 2	98	2.67	< 2	< 10	58	< 0.5	< 2	6.68	26	44	6.50	< 10	1	0.38	< 10	2.72
B410288 Dup	0.3	< 0.5	181	1560	15	74	< 2	97	2.60	< 2	< 10	57	< 0.5	< 2	6.59	27	44	6.42	< 10	< 1	0.38	< 10	2.73
B410301 Orig	< 0.2	< 0.5	60	659	2	114	2	34	1.40	19	< 10	41	< 0.5	< 2	4.07	34	311	3.19	< 10	< 1	0.38	< 10	1.48
B410301 Dup	0.2	< 0.5	62	677	2	113	3	35	1.40	18	< 10	42	< 0.5	< 2	4.05	34	304	3.15	< 10	< 1	0.38	< 10	1.44
B410311 Orig	0.2	< 0.5	114	656	2	59	< 2	45	3.21	2	< 10	27	< 0.5	< 2	2.53	33	86	4.82	< 10	< 1	0.42	< 10	1.70
B410311 Split PREP DUP	0.2	< 0.5	115	671	3	56	< 2	48	3.26	< 2	< 10	27	< 0.5	< 2	2.58	33	88	4.91	< 10	< 1	0.42	< 10	1.73

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B410314 Orig	0.6	< 0.5	95	1170	< 1	61	3	46	3.47	< 2	< 10	57	< 0.5	< 2	4.05	26	100	6.89	< 10	< 1	0.81	< 10	2.93
B410314 Dup	0.6	< 0.5	94	1160	< 1	58	< 2	47	3.49	< 2	< 10	57	< 0.5	< 2	4.08	26	101	6.88	< 10	< 1	0.81	< 10	2.95
B410337 Orig	0.6	< 0.5	98	869	14	80	< 2	41	2.27	< 2	< 10	46	< 0.5	< 2	4.19	55	80	5.67	< 10	< 1	0.42	< 10	1.93
B410337 Dup	0.6	< 0.5	97	879	14	81	< 2	43	2.27	< 2	< 10	46	< 0.5	< 2	4.17	54	80	5.67	< 10	< 1	0.42	< 10	1.92
B410351 Orig	0.5	< 0.5	119	645	9	22	2	38	1.82	< 2	< 10	11	< 0.5	< 2	2.09	34	11	5.02	< 10	< 1	0.05	< 10	1.65
B410351 Dup	0.4	< 0.5	115	629	8	19	2	35	1.80	< 2	< 10	10	< 0.5	< 2	2.06	34	10	4.94	< 10	< 1	0.05	< 10	1.62
B410361 Orig	< 0.2	< 0.5	39	489	23	132	2	41	1.80	< 2	< 10	205	< 0.5	< 2	2.27	25	362	3.29	< 10	< 1	0.55	40	2.41
B410361 Split PREP DUP	< 0.2	< 0.5	32	473	18	151	2	45	1.95	2	< 10	243	< 0.5	< 2	2.14	25	426	3.23	< 10	< 1	0.68	47	2.56
B410363 Orig	0.3	< 0.5	87	522	4	123	< 2	41	2.03	< 2	< 10	242	< 0.5	< 2	2.46	30	355	3.72	< 10	< 1	1.08	36	2.45
B410363 Dup	< 0.2	< 0.5	88	519	4	121	< 2	41	2.04	< 2	< 10	248	< 0.5	< 2	2.44	30	359	3.73	< 10	< 1	1.10	36	2.45
B410377 Orig	0.9	< 0.5	256	1070	< 1	48	4	121	2.89	18	< 10	45	< 0.5	< 2	2.17	48	53	8.54	10	< 1	0.40	< 10	2.08
B410377 Dup	0.9	< 0.5	266	1090	< 1	53	3	122	2.91	19	< 10	45	< 0.5	< 2	2.19	49	53	8.63	10	< 1	0.40	< 10	2.10
B410393 Orig	0.3	< 0.5	230	741	2	14	2	62	2.05	1150	< 10	37	< 0.5	< 2	2.48	46	2	7.47	< 10	< 1	0.29	< 10	0.97
B410393 Dup	0.3	< 0.5	223	767	2	4	2	62	2.02	1120	< 10	37	< 0.5	< 2	2.48	44	2	7.37	< 10	< 1	0.28	< 10	0.97
B410407 Orig	< 0.2	< 0.5	175	628	< 1	4	5	67	1.78	24	< 10	< 10	< 0.5	< 2	1.77	40	2	7.10	< 10	< 1	0.11	< 10	0.83
B410407 Dup	< 0.2	< 0.5	179	628	< 1	5	6	68	1.90	27	< 10	< 10	< 0.5	< 2	1.83	42	2	7.34	< 10	< 1	0.11	< 10	0.87
B410411 Orig	0.4	< 0.5	208	668	< 1	11	< 2	72	2.21	32	< 10	105	< 0.5	< 2	1.95	41	3	6.59	< 10	< 1	0.57	< 10	1.28
B410411 Split PREP DUP	0.3	< 0.5	201	632	< 1	13	2	67	2.10	33	< 10	103	< 0.5	< 2	1.83	42	3	6.29	< 10	< 1	0.54	< 10	1.22
B410419 Orig	0.2	< 0.5	185	766	3	16	< 2	66	2.06	40	< 10	12	< 0.5	< 2	2.64	49	3	6.35	< 10	< 1	0.16	< 10	1.14
B410419 Dup	0.3	< 0.5	182	762	3	11	< 2	65	2.00	40	< 10	13	< 0.5	< 2	2.59	49	3	6.18	< 10	< 1	0.15	< 10	1.12
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas	0.077	0.035	0.01	3	27	31		< 20	2	< 2	< 10	165	< 10	6	11
GXR-6 Cert	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
GXR-6 Meas	0.085	0.034	0.01	5	26	34		< 20	< 1	< 2	< 10	166	< 10	7	12
GXR-6 Cert	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
GXR-6 Meas	0.076	0.033	0.01	5	26	31		< 20	< 1	< 2	< 10	168	< 10	7	11
GXR-6 Cert	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
OREAS 922 (AQUA REGIA) Meas	0.026	0.062	0.36	3	4	15		< 20		< 2	< 10	34	< 10	19	17
OREAS 922 (AQUA REGIA) Cert	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas	0.028	0.062	0.36	< 2	4	16		< 20		< 2	< 10	36	< 10	20	18
OREAS 922 (AQUA REGIA) Cert	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas	0.026	0.061	0.36	3	4	15		< 20		< 2	< 10	34	< 10	19	26
OREAS 922 (AQUA REGIA) Cert	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 923 (AQUA REGIA) Meas		0.059	0.65	4	4	14		< 20		< 2	< 10	35	< 10	19	36
OREAS 923 (AQUA REGIA) Cert		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
Oreas 621 (Aqua Regia) Meas	0.193	0.033	4.40	119	3	20		< 20		< 2	< 10	13	< 10	7	71
Oreas 621 (Aqua Regia) Cert	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
Oreas 621 (Aqua Regia) Meas	0.189	0.032	4.34	113	2	18		< 20		< 2	< 10	12	< 10	7	65
Oreas 621 (Aqua Regia) Cert	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
Oreas 621 (Aqua Regia) Meas	0.181	0.032	4.33	114	2	19		< 20		< 2	< 10	12	< 10	7	65
Oreas 621 (Aqua Regia) Cert	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
OREAS 45f (Aqua Regia) Meas	0.042	0.020	0.02		32	15	0.12	< 20		< 2	< 10	200		6	20
OREAS 45f (Aqua Regia) Cert	0.0320	0.0220	0.0270		31.4	13.2	0.0970	7.67		0.120	1.09	217		6.74	30.0
B410269 Orig	0.146	0.066	1.90	< 2	15	38	0.24	< 20	5	< 2	< 10	158	< 10	12	21
B410269 Dup	0.152	0.066	1.91	2	16	41	0.25	< 20	6	< 2	< 10	160	< 10	13	21
B410279 Orig	0.079	0.022	0.42	4	23	12	0.24	< 20	1	< 2	< 10	216	19	12	11
B410279 Dup	0.083	0.023	0.44	3	23	12	0.25	< 20	4	< 2	< 10	221	21	12	12
B410288 Orig	0.037	0.060	1.31	2	5	108	0.16	< 20	4	< 2	< 10	127	< 10	8	14
B410288 Dup	0.037	0.060	1.30	2	5	105	0.16	< 20	1	< 2	< 10	122	< 10	8	13
B410301 Orig	0.103	0.016	0.42	3	7	70	0.15	< 20	< 1	< 2	< 10	62	< 10	4	9
B410301 Dup	0.098	0.016	0.44	2	7	71	0.15	< 20	< 1	< 2	< 10	61	< 10	4	9
B410311 Orig	0.424	0.037	0.31	< 2	15	66	0.21	< 20	< 1	< 2	< 10	133	< 10	12	6
B410311 Split PREP DUP	0.431	0.037	0.31	< 2	15	66	0.21	< 20	6	< 2	< 10	134	< 10	12	7

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B410314 Orig	0.126	0.037	1.17	< 2	15	51	0.25	< 20	3	< 2	< 10	183	< 10	13	8
B410314 Dup	0.124	0.038	1.19	3	15	51	0.24	< 20	4	< 2	< 10	181	< 10	13	8
B410337 Orig	0.160	0.040	1.12	< 2	13	33	0.22	< 20	< 1	< 2	< 10	130	< 10	10	13
B410337 Dup	0.157	0.040	1.13	< 2	12	34	0.22	< 20	2	< 2	< 10	131	< 10	10	13
B410351 Orig	0.286	0.055	0.33	< 2	17	15	0.16	< 20	< 1	< 2	< 10	144	< 10	11	18
B410351 Dup	0.281	0.054	0.32	< 2	17	15	0.17	< 20	< 1	< 2	< 10	143	< 10	11	18
B410361 Orig	0.221	0.164	0.17	2	11	51	0.24	< 20	2	< 2	< 10	97	61	9	6
B410361 Split PREP DUP	0.196	0.189	0.15	2	10	54	0.23	< 20	2	< 2	< 10	86	47	9	5
B410363 Orig	0.159	0.143	0.35	6	10	59	0.23	< 20	10	< 2	< 10	98	16	8	11
B410363 Dup	0.156	0.147	0.37	3	9	58	0.23	< 20	7	< 2	< 10	96	17	8	14
B410377 Orig	0.113	0.037	1.36	3	8	11	0.19	< 20	6	< 2	< 10	190	< 10	13	13
B410377 Dup	0.114	0.037	1.36	3	8	11	0.20	< 20	< 1	< 2	< 10	192	< 10	13	13
B410393 Orig	0.247	0.047	0.98	4	8	10	0.18	< 20	1	< 2	< 10	121	< 10	13	12
B410393 Dup	0.248	0.046	0.98	< 2	8	11	0.18	< 20	< 1	< 2	< 10	125	< 10	13	12
B410407 Orig	0.263	0.051	0.50	3	7	7	0.16	< 20	2	< 2	< 10	87	< 10	13	16
B410407 Dup	0.269	0.051	0.52	5	7	7	0.16	< 20	< 1	< 2	< 10	91	< 10	13	17
B410411 Orig	0.265	0.036	0.12	3	9	13	0.22	< 20	< 1	< 2	< 10	162	< 10	10	13
B410411 Split PREP DUP	0.249	0.037	0.13	2	8	12	0.21	< 20	4	< 2	< 10	155	< 10	10	13
B410419 Orig	0.299	0.034	0.16	< 2	10	18	0.19	< 20	2	< 2	< 10	198	< 10	9	10
B410419 Dup	0.289	0.035	0.16	< 2	10	18	0.19	< 20	< 1	< 2	< 10	194	< 10	9	10
Method Blank	0.008	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.007	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	4	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.008	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	2	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.008	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	2	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.009	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1



Report No.: A21-08199-1E3
Report Date: 18-Jun-21
Date Submitted: 05-May-21
Your Reference: LINGMAN LAKE WINTER 2021

SIGNATURE RESOURCES LTD
366 Bay Street, suite 200
Toronto ON M5H 4B2
Canada

ATTN: Robert Vallis

CERTIFICATE OF ANALYSIS

170 Core samples were submitted for analysis.

Table with 2 columns: Analytical package(s) requested, Testing Date. Row 1: 1E3-Tbay, QOP AquaGeo (Aqua Regia ICPOES), 2021-06-08 12:00:25

REPORT A21-08199-1E3

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

Notes:

Values which exceed the upper limit should be assayed for accurate numbers.

Footnote: Sample B410450, B410470, B410480, B410490, B410510, B410550, B410560, B410570 and B410590 are insufficient.



LabID: 673

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CERTIFIED BY:

Handwritten signature of Emmanuel Esemé

Emmanuel Esemé, Ph.D.
Quality Control Coordinator

## Results

## Activation Laboratories Ltd.

## Report: A21-08199

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2		0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B410433	0.3	< 0.5	187	628	97	233	< 2	44	1.80	32	< 10	13	< 0.5	< 2	2.93	46	423	4.12	< 10	< 1	0.08	< 10	2.23
B410434	< 0.2	< 0.5	206	613	< 1	79	3	37	1.51	40	< 10	< 10	< 0.5	< 2	2.67	37	238	4.01	< 10	< 1	0.05	< 10	1.70
B410435	0.4	< 0.5	111	909	< 1	51	3	56	1.98	19	< 10	< 10	< 0.5	< 2	6.02	25	181	4.13	< 10	< 1	0.03	< 10	1.93
B410436	0.3	< 0.5	129	956	< 1	47	3	64	2.34	6	< 10	< 10	< 0.5	< 2	5.25	19	210	4.68	< 10	< 1	0.04	< 10	2.29
B410437	< 0.2	< 0.5	187	770	2	58	< 2	44	1.95	24	< 10	< 10	< 0.5	< 2	3.25	35	153	4.79	< 10	< 1	0.05	< 10	1.81
B410438	< 0.2	< 0.5	229	835	< 1	66	< 2	53	2.32	15	< 10	15	< 0.5	< 2	3.30	34	139	5.18	< 10	< 1	0.09	< 10	2.14
B410439	< 0.2	< 0.5	25	688	< 1	153	< 2	61	2.19	62	< 10	49	< 0.5	< 2	3.11	42	391	4.01	< 10	< 1	0.22	12	2.39
B410440	< 0.2	< 0.5	47	589	< 1	112	10	87	1.95	7	< 10	71	0.6	< 2	1.08	33	60	5.01	< 10	< 1	0.14	16	1.70
B410441	< 0.2	< 0.5	52	537	< 1	133	2	44	1.63	20	< 10	21	< 0.5	< 2	2.84	28	424	3.13	< 10	< 1	0.12	11	1.95
B410442	0.3	< 0.5	315	564	6	64	< 2	36	1.13	35	< 10	< 10	< 0.5	< 2	2.81	35	227	3.28	< 10	< 1	0.05	< 10	1.34
B410443	< 0.2	< 0.5	205	696	< 1	51	< 2	58	1.43	25	< 10	< 10	< 0.5	< 2	2.54	34	98	4.53	< 10	< 1	0.05	< 10	1.42
B410444	0.2	< 0.5	248	696	< 1	52	3	42	1.28	32	< 10	< 10	< 0.5	< 2	3.58	34	97	4.65	< 10	< 1	0.04	< 10	1.29
B410445	0.2	< 0.5	203	777	< 1	59	< 2	50	1.97	22	< 10	< 10	< 0.5	< 2	3.34	34	130	4.79	< 10	< 1	0.06	< 10	1.71
B410446	0.2	< 0.5	181	816	< 1	80	< 2	55	2.62	43	< 10	14	< 0.5	< 2	2.31	46	168	7.40	< 10	< 1	0.09	< 10	2.13
B410447	0.3	< 0.5	256	766	< 1	104	< 2	73	3.66	1380	< 10	11	< 0.5	< 2	0.30	57	340	9.54	10	2	0.09	< 10	2.64
B410448	0.4	< 0.5	236	875	< 1	142	< 2	84	4.21	95	< 10	< 10	< 0.5	< 2	0.49	74	281	8.98	10	< 1	0.02	< 10	2.96
B410449	0.3	< 0.5	203	948	1	122	3	75	3.87	515	< 10	< 10	< 0.5	< 2	1.00	66	264	8.50	10	< 1	0.03	< 10	3.14
B410451	0.6	< 0.5	514	636	< 1	179	4	39	2.14	201	< 10	12	< 0.5	< 2	1.23	30	271	6.44	< 10	< 1	0.09	11	2.03
B410452	0.8	< 0.5	406	1020	7	164	3	76	4.10	22	< 10	< 10	< 0.5	< 2	0.68	64	405	8.28	10	< 1	0.04	< 10	3.33
B410453	0.7	< 0.5	273	851	2	88	< 2	63	2.12	69	< 10	< 10	< 0.5	< 2	2.43	47	175	5.22	< 10	< 1	0.07	< 10	2.05
B410454	0.3	< 0.5	253	610	2	103	3	30	1.10	66	< 10	< 10	< 0.5	< 2	3.13	37	527	2.88	< 10	< 1	0.04	< 10	1.59
B410455	< 0.2	< 0.5	123	509	< 1	98	< 2	31	1.04	64	< 10	< 10	< 0.5	< 2	2.61	38	387	2.85	< 10	< 1	0.04	< 10	1.44
B410456	< 0.2	< 0.5	115	533	< 1	101	2	32	1.14	61	< 10	< 10	< 0.5	< 2	2.54	37	401	3.11	< 10	< 1	0.04	< 10	1.59
B410457	< 0.2	< 0.5	148	613	1	95	2	44	1.38	68	< 10	< 10	< 0.5	< 2	2.65	41	331	3.70	< 10	< 1	0.06	< 10	1.71
B410458	< 0.2	< 0.5	122	957	7	80	3	58	2.06	11	< 10	< 10	< 0.5	< 2	3.81	33	252	5.11	< 10	< 1	0.10	< 10	2.01
B410459	0.2	< 0.5	101	868	2	74	2	68	1.96	51	< 10	< 10	< 0.5	< 2	3.24	38	148	4.74	< 10	< 1	0.08	< 10	1.77
B410460	1.2	< 0.5	115	619	4	138	28	59	2.87	47	14	45	< 0.5	< 2	2.78	28	416	4.07	< 10	< 1	0.20	< 10	3.02
B410461	0.5	1.8	171	1150	3	77	3	267	1.94	29	< 10	< 10	< 0.5	< 2	4.14	27	394	5.63	< 10	< 1	0.03	< 10	2.08
B410462	0.3	< 0.5	144	783	1	60	< 2	60	2.05	52	< 10	< 10	< 0.5	< 2	2.42	42	98	5.01	< 10	< 1	0.08	< 10	1.88
B410463	0.5	< 0.5	193	747	< 1	81	< 2	54	1.70	42	< 10	< 10	< 0.5	< 2	3.13	38	257	4.42	< 10	< 1	0.07	< 10	1.69
B410464	0.5	< 0.5	242	766	< 1	68	< 2	59	1.92	46	< 10	< 10	< 0.5	< 2	3.04	40	152	5.00	< 10	< 1	0.07	< 10	1.74
B410465	0.4	< 0.5	187	778	< 1	64	< 2	58	1.94	44	< 10	< 10	< 0.5	< 2	2.71	40	169	5.03	< 10	< 1	0.07	< 10	1.79
B410466	0.6	< 0.5	194	891	< 1	68	< 2	62	1.97	32	< 10	< 10	< 0.5	< 2	2.99	38	95	5.48	< 10	< 1	0.08	< 10	1.72
B410467	0.3	< 0.5	132	783	1	87	< 2	49	1.65	34	< 10	< 10	< 0.5	< 2	3.43	36	299	4.53	< 10	< 1	0.06	< 10	1.79
B410468	0.6	< 0.5	282	794	< 1	81	3	55	1.28	34	< 10	< 10	< 0.5	< 2	5.33	46	114	4.75	< 10	< 1	0.04	< 10	1.42
B410469	0.6	< 0.5	284	920	< 1	88	2	36	2.03	23	< 10	< 10	< 0.5	< 2	3.01	45	137	5.67	< 10	< 1	0.06	< 10	1.80
B410471	0.4	< 0.5	184	880	< 1	83	3	57	1.92	37	< 10	< 10	< 0.5	< 2	2.68	42	167	5.79	< 10	< 1	0.05	< 10	1.86
B410472	0.5	< 0.5	210	958	< 1	70	2	54	2.13	38	< 10	< 10	< 0.5	< 2	4.09	45	152	5.64	< 10	< 1	0.05	< 10	1.82
B410473	0.2	< 0.5	173	851	< 1	63	< 2	55	2.16	44	< 10	< 10	< 0.5	< 2	4.50	37	164	5.45	< 10	< 1	0.04	< 10	1.81
B410474	< 0.2	< 0.5	413	791	< 1	74	< 2	51	2.33	64	< 10	< 10	< 0.5	< 2	3.32	44	217	5.57	< 10	< 1	0.05	< 10	1.98
B410475	< 0.2	< 0.5	141	446	< 1	63	< 2	21	0.99	115	< 10	< 10	< 0.5	< 2	1.98	37	139	3.44	< 10	< 1	0.06	< 10	1.25
B410476	< 0.2	< 0.5	131	466	< 1	58	< 2	21	1.03	101	< 10	< 10	< 0.5	< 2	1.87	38	129	3.52	< 10	< 1	0.06	< 10	1.27
B410477	< 0.2	< 0.5	170	784	< 1	87	< 2	48	2.14	113	< 10	< 10	< 0.5	< 2	2.30	49	209	6.19	< 10	< 1	0.06	< 10	2.18
B410478	< 0.2	< 0.5	142	619	< 1	76	< 2	33	1.46	112	< 10	< 10	< 0.5	< 2	2.28	46	226	4.38	< 10	< 1	0.05	< 10	1.57
B410479	< 0.2	< 0.5	238	922	< 1	92	< 2	54	3.30	167	< 10	< 10	< 0.5	< 2	1.03	50	169	7.95	< 10	< 1	0.03	< 10	2.60
B410481	< 0.2	< 0.5	282	1040	< 1	58	< 2	54	3.08	59	< 10	< 10	< 0.5	< 2	1.84	43	44	6.51	< 10	< 1	0.06	< 10	2.11
B410482	0.3	< 0.5	175	839	< 1	87	< 2	43	1.89	74	< 10	< 10	< 0.5	< 2	3.56	39	393	4.32	< 10	< 1	0.06	< 10	1.91
B410483	0.5	< 0.5	226	826	< 1	48	< 2	49	2.06	38	< 10	< 10	< 0.5	< 2	3.21	39	54	5.84	< 10	< 1	0.08	< 10	1.53
B410484	0.5	< 0.5	217	828	< 1	47	< 2	53	1.96	40	< 10	< 10	< 0.5	< 2	2.97	39	45	5.78	< 10	< 1	0.07	< 10	1.53
B410485	0.6	< 0.5	243	872	< 1	61	< 2	55	2.09	42	< 10	< 10	< 0.5	< 2	3.15	43	51	6.29	< 10	< 1	0.07	< 10	1.58
B410486	0.4	< 0.5	203	857	< 1	49	< 2	56	2.00	28	< 10	< 10	< 0.5	< 2	2.94	38	37	6.17	< 10	< 1	0.08	< 10	1.55



Results

Activation Laboratories Ltd.

Report: A21-08199

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2		0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B410487	0.4	< 0.5	158	868	< 1	85	< 2	55	2.12	28	< 10	12	< 0.5	< 2	3.52	41	200	5.22	< 10	< 1	0.10	< 10	1.85
B410488	0.3	< 0.5	93	818	< 1	90	< 2	52	2.03	39	< 10	< 10	< 0.5	< 2	3.08	39	263	4.85	< 10	< 1	0.08	< 10	1.91
B410489	0.5	< 0.5	234	891	< 1	80	2	57	2.55	31	< 10	< 10	< 0.5	< 2	3.11	41	132	5.99	< 10	< 1	0.07	< 10	2.15
B410491	0.3	< 0.5	160	779	< 1	60	< 2	48	1.81	47	< 10	< 10	< 0.5	< 2	3.13	40	121	4.94	< 10	< 1	0.06	< 10	1.72
B410492	0.2	< 0.5	215	740	10	58	< 2	51	1.48	34	< 10	< 10	< 0.5	< 2	2.89	35	158	4.50	< 10	< 1	0.08	< 10	1.62
B410493	2.2	< 0.5	1200	235	2	9	4	8	0.11	9	< 10	< 10	< 0.5	< 2	1.80	6	10	0.86	< 10	< 1	< 0.01	< 10	0.11
B410494	0.2	< 0.5	193	662	4	58	< 2	40	1.44	27	< 10	< 10	< 0.5	< 2	2.37	34	142	4.30	< 10	< 1	0.06	< 10	1.70
B410495	0.3	< 0.5	175	724	19	70	< 2	107	2.11	66	< 10	30	< 0.5	< 2	2.37	40	61	5.53	< 10	< 1	0.20	< 10	1.73
B410496	0.2	< 0.5	164	777	20	80	< 2	115	2.37	53	< 10	35	< 0.5	< 2	2.43	44	65	5.94	< 10	< 1	0.22	< 10	1.90
B410497	< 0.2	< 0.5	134	867	6	51	< 2	81	2.18	23	< 10	28	< 0.5	< 2	3.10	37	64	5.98	< 10	< 1	0.24	< 10	1.78
B410498	0.5	< 0.5	243	689	27	122	< 2	64	2.21	61	< 10	16	< 0.5	< 2	2.53	48	63	5.24	< 10	< 1	0.16	< 10	1.97
B410499	0.4	< 0.5	135	767	6	50	< 2	80	2.82	12	< 10	51	< 0.5	< 2	2.04	40	52	6.24	< 10	< 1	0.38	< 10	2.09
B410500	< 0.2	< 0.5	47	556	< 1	113	10	82	2.13	10	< 10	68	0.6	< 2	1.17	33	61	5.06	< 10	< 1	0.14	17	1.71
B410501	0.3	< 0.5	125	823	2	38	< 2	68	2.06	7	< 10	61	< 0.5	< 2	2.70	34	42	6.53	< 10	< 1	0.44	< 10	1.64
B410502	0.4	< 0.5	147	811	2	49	< 2	79	2.36	3	< 10	64	< 0.5	< 2	2.33	36	56	6.52	< 10	< 1	0.72	< 10	1.95
B410503	0.3	< 0.5	89	747	2	45	3	74	2.21	7	< 10	62	< 0.5	< 2	2.54	31	52	5.49	< 10	< 1	0.75	< 10	1.74
B410504	< 0.2	< 0.5	6	248	2	9	7	36	1.07	26	< 10	81	< 0.5	< 2	0.46	7	6	1.44	< 10	< 1	0.58	14	0.79
B410505	< 0.2	< 0.5	9	277	3	10	5	34	1.52	11	< 10	93	< 0.5	< 2	0.41	8	5	1.53	< 10	< 1	0.89	14	0.87
B410506	0.2	< 0.5	26	304	6	14	5	47	1.38	410	< 10	151	< 0.5	< 2	0.52	14	10	2.39	< 10	< 1	0.87	12	1.02
B410507	0.7	< 0.5	178	856	2	71	< 2	61	2.02	< 2	< 10	117	< 0.5	< 2	3.14	36	100	5.69	< 10	< 1	0.77	< 10	1.80
B410508	< 0.2	< 0.5	49	608	4	62	4	33	1.00	12	< 10	22	< 0.5	< 2	3.40	53	91	2.71	< 10	< 1	0.14	12	1.08
B410509	0.2	< 0.5	74	904	2	150	< 2	47	1.82	13	< 10	48	< 0.5	< 2	4.78	39	354	4.18	< 10	< 1	0.36	< 10	2.32
B410511	0.2	< 0.5	64	553	5	133	< 2	35	1.22	10	< 10	25	< 0.5	< 2	2.49	34	261	3.40	< 10	< 1	0.22	< 10	1.98
B410512	< 0.2	< 0.5	106	918	2	167	< 2	55	1.90	16	< 10	43	< 0.5	< 2	4.22	46	330	4.78	< 10	< 1	0.34	< 10	2.75
B410513	0.2	< 0.5	97	976	3	144	2	56	1.98	18	< 10	46	< 0.5	< 2	4.74	45	299	4.87	< 10	< 1	0.36	< 10	2.86
B410514	0.4	< 0.5	74	605	7	92	< 2	42	1.28	17	< 10	21	< 0.5	< 2	3.01	32	209	3.50	< 10	< 1	0.21	< 10	1.94
B410515	0.3	< 0.5	92	759	3	143	< 2	44	1.61	13	< 10	58	< 0.5	< 2	3.78	41	225	4.28	< 10	< 1	0.50	< 10	2.27
B410516	0.4	< 0.5	91	756	2	141	< 2	41	1.52	10	< 10	46	< 0.5	< 2	3.93	40	214	4.14	< 10	< 1	0.39	< 10	2.17
B410517	0.7	< 0.5	193	833	50	117	< 2	58	2.08	< 2	< 10	38	< 0.5	< 2	3.83	47	160	5.02	< 10	< 1	0.27	< 10	2.34
B410518	5.8	0.8	333	1280	22	115	3	118	1.86	250	< 10	33	< 0.5	< 2	8.38	29	57	3.64	< 10	< 1	0.21	< 10	5.25
B410519	9.4	1.9	871	731	32	205	11	198	1.72	2150	< 10	22	< 0.5	< 2	5.76	87	63	3.01	< 10	< 1	0.09	16	3.57
B410520	1.4	< 0.5	117	616	4	145	29	58	2.93	52	15	46	< 0.5	< 2	2.87	29	432	4.22	< 10	< 1	0.21	< 10	3.13
B410521	7.1	0.7	978	312	56	302	6	78	2.67	3170	< 10	130	< 0.5	< 2	1.79	82	197	3.38	< 10	< 1	0.47	16	1.83
B410522	0.3	< 0.5	175	628	21	72	< 2	61	3.16	54	< 10	66	< 0.5	< 2	1.38	43	116	6.36	< 10	< 1	0.68	< 10	2.73
B410523	1.0	< 0.5	514	607	< 1	67	< 2	60	2.80	43	< 10	96	< 0.5	< 2	1.79	40	102	5.71	< 10	< 1	0.88	< 10	2.19
B410524	0.2	< 0.5	84	664	13	68	< 2	71	2.88	27	< 10	62	< 0.5	< 2	1.59	37	94	5.79	< 10	< 1	0.71	< 10	2.55
B410525	1.9	< 0.5	1050	778	157	178	4	79	2.15	55	< 10	< 10	< 0.5	< 2	2.33	56	99	5.74	< 10	< 1	0.16	19	1.33
B410526	0.5	< 0.5	253	791	60	91	< 2	68	2.30	31	< 10	36	< 0.5	< 2	2.59	36	103	4.80	< 10	< 1	0.43	< 10	1.60
B410527	0.8	< 0.5	289	776	3	57	< 2	65	2.57	8	< 10	13	< 0.5	< 2	2.71	34	81	5.03	< 10	< 1	0.20	< 10	1.73
B410528	0.5	< 0.5	171	786	3	54	< 2	56	2.69	17	< 10	28	< 0.5	< 2	2.97	32	91	4.96	< 10	< 1	0.34	< 10	1.83
B410529	0.4	< 0.5	219	854	3	72	3	58	3.51	20	< 10	15	< 0.5	< 2	4.00	40	84	4.89	< 10	< 1	0.17	< 10	1.41
B410530	< 0.2	< 0.5	2	59	< 1	1	< 2	5	0.07	< 2	< 10	13	< 0.5	< 2	< 0.01	< 1	8	0.49	< 10	< 1	0.02	< 10	0.01
B410531	0.3	< 0.5	214	754	5	141	< 2	95	2.16	219	< 10	12	< 0.5	< 2	1.77	50	308	6.53	< 10	< 1	0.08	< 10	1.88
B410532	0.4	< 0.5	206	831	4	24	< 2	119	2.33	1240	< 10	97	< 0.5	< 2	3.06	40	11	7.67	< 10	< 1	0.61	< 10	1.62
B410533	0.3	< 0.5	256	860	< 1	19	< 2	86	2.11	37	< 10	28	< 0.5	< 2	2.88	40	8	7.13	< 10	< 1	0.23	< 10	1.15
B410534	0.3	< 0.5	165	887	< 1	17	2	83	2.45	320	< 10	36	< 0.5	< 2	2.44	46	4	7.99	< 10	< 1	0.25	< 10	1.29
B410535	< 0.2	< 0.5	155	743	< 1	11	< 2	70	2.17	40	< 10	59	< 0.5	< 2	2.60	39	2	6.72	< 10	< 1	0.33	< 10	1.17
B410536	0.2	< 0.5	161	707	< 1	12	< 2	74	2.19	41	< 10	60	< 0.5	< 2	2.41	38	2	6.79	< 10	< 1	0.33	< 10	1.18
B410537	< 0.2	< 0.5	179	783	< 1	15	< 2	87	2.25	128	< 10	56	< 0.5	< 2	2.48	42	3	7.41	< 10	< 1	0.27	< 10	1.09
B410538	0.5	< 0.5	608	746	6	16	< 2	101	2.09	342	< 10	138	< 0.5	< 2	2.93	42	4	7.19	< 10	< 1	0.61	< 10	1.15
B410539	0.3	< 0.5	308	747	8	18	< 2	98	2.38	90	< 10	99	< 0.5	< 2	2.45	44	14	7.52	< 10	< 1	0.47	< 10	1.32

## Results

## Activation Laboratories Ltd.

Report: A21-08199

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2		0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B410540	0.2	< 0.5	71	1290	1	106	3	65	1.81	1030	< 10	69	< 0.5	< 2	1.81	28	47	5.97	< 10	< 1	0.09	14	2.33
B410541	0.2	< 0.5	238	801	7	6	< 2	90	2.14	35	< 10	23	< 0.5	< 2	2.53	42	1	7.13	< 10	2	0.20	< 10	1.02
B410542	< 0.2	< 0.5	161	736	3	7	< 2	99	2.06	115	< 10	52	< 0.5	< 2	2.72	42	1	7.44	< 10	< 1	0.32	< 10	0.97
B410543	< 0.2	< 0.5	205	764	39	6	< 2	85	2.22	29	< 10	70	< 0.5	< 2	2.66	43	4	7.40	< 10	< 1	0.40	< 10	1.03
B410544	< 0.2	< 0.5	154	786	< 1	4	< 2	140	2.19	18	< 10	57	< 0.5	< 2	2.69	37	1	7.20	< 10	< 1	0.32	< 10	1.01
B410545	0.2	< 0.5	144	838	< 1	10	4	131	2.36	29	< 10	30	< 0.5	< 2	2.53	42	3	7.46	< 10	< 1	0.20	< 10	1.17
B410546	0.2	< 0.5	245	871	4	15	4	86	2.46	350	< 10	53	< 0.5	< 2	2.86	48	2	7.96	< 10	< 1	0.46	< 10	1.59
B410547	0.6	< 0.5	387	854	8	16	< 2	96	2.96	155	< 10	< 10	< 0.5	< 2	1.60	58	2	7.69	10	< 1	0.08	< 10	1.94
B410548	0.6	< 0.5	470	935	1	12	< 2	114	3.27	198	< 10	< 10	< 0.5	< 2	2.57	58	1	8.11	10	< 1	0.05	< 10	2.30
B410549	0.4	< 0.5	305	767	< 1	63	8	102	2.11	343	< 10	< 10	< 0.5	< 2	3.35	56	122	5.71	< 10	< 1	0.07	< 10	1.69
B410551	< 0.2	< 0.5	176	585	1	81	< 2	44	1.32	64	< 10	11	< 0.5	< 2	3.08	43	258	3.82	< 10	< 1	0.07	< 10	1.65
B410552	0.3	< 0.5	192	608	< 1	85	< 2	46	1.48	55	< 10	16	< 0.5	< 2	2.82	45	236	4.18	< 10	< 1	0.09	< 10	1.83
B410553	0.4	< 0.5	136	733	< 1	89	< 2	45	1.67	128	< 10	< 10	< 0.5	< 2	3.77	44	325	4.13	< 10	< 1	0.06	< 10	1.87
B410554	0.2	< 0.5	88	682	5	268	< 2	42	1.76	566	< 10	< 10	< 0.5	< 2	3.65	58	743	3.83	< 10	< 1	0.03	< 10	2.02
B410555	< 0.2	< 0.5	63	685	< 1	128	< 2	50	1.88	174	< 10	20	< 0.5	< 2	3.15	43	257	4.38	< 10	< 1	0.09	< 10	1.87
B410556	< 0.2	< 0.5	63	752	2	131	2	63	2.16	111	< 10	24	< 0.5	< 2	3.05	45	270	4.84	< 10	< 1	0.10	< 10	2.14
B410557	< 0.2	< 0.5	218	963	< 1	19	< 2	87	2.21	114	< 10	< 10	< 0.5	< 2	2.53	56	16	8.00	< 10	< 1	0.10	< 10	1.21
B410558	0.2	< 0.5	219	919	< 1	18	< 2	91	2.31	44	< 10	13	< 0.5	< 2	2.49	39	13	7.95	< 10	< 1	0.09	< 10	1.26
B410559	0.3	< 0.5	199	911	< 1	22	< 2	93	2.63	227	< 10	119	< 0.5	< 2	2.75	42	23	7.82	< 10	< 1	0.49	< 10	1.52
B410561	0.4	< 0.5	210	831	< 1	29	< 2	93	2.28	126	< 10	49	< 0.5	< 2	2.83	36	36	8.05	< 10	< 1	1.16	< 10	1.50
B410562	0.4	< 0.5	374	847	< 1	36	4	101	2.22	221	< 10	29	< 0.5	< 2	2.25	36	36	8.78	< 10	< 1	0.52	< 10	1.44
B410563	0.2	< 0.5	197	911	< 1	22	< 2	93	2.36	27	< 10	105	< 0.5	< 2	2.91	39	25	7.23	< 10	< 1	0.47	< 10	1.15
B410564	0.5	< 0.5	520	860	< 1	35	< 2	92	2.24	539	< 10	41	< 0.5	< 2	2.22	75	14	9.12	< 10	< 1	0.36	< 10	1.22
B410565	0.3	< 0.5	234	938	< 1	16	< 2	96	2.43	31	< 10	26	< 0.5	< 2	2.88	41	6	7.68	< 10	< 1	0.22	< 10	1.23
B410566	0.3	< 0.5	319	863	< 1	16	< 2	85	2.15	21	< 10	84	< 0.5	< 2	3.08	48	5	7.69	< 10	< 1	0.44	< 10	1.19
B410567	0.5	< 0.5	303	873	< 1	17	< 2	82	2.22	31	< 10	30	< 0.5	< 2	2.51	51	3	7.32	< 10	< 1	0.20	< 10	1.10
B410568	0.4	< 0.5	357	820	2	14	< 2	77	2.11	23	< 10	33	< 0.5	< 2	2.43	37	3	7.27	< 10	< 1	0.24	< 10	1.17
B410569	< 0.2	< 0.5	177	756	< 1	13	< 2	76	2.18	17	< 10	92	< 0.5	< 2	2.50	38	6	6.99	< 10	< 1	0.49	< 10	1.21
B410571	0.2	< 0.5	223	805	< 1	18	< 2	84	2.35	456	< 10	95	< 0.5	< 2	2.37	44	3	7.82	< 10	< 1	0.46	< 10	1.25
B410572	0.2	< 0.5	121	853	< 1	19	< 2	86	2.33	30	< 10	90	< 0.5	< 2	2.32	48	2	8.26	< 10	< 1	0.36	< 10	1.22
B410573	< 0.2	< 0.5	115	876	< 1	14	< 2	85	2.33	170	< 10	35	< 0.5	< 2	2.71	39	4	7.40	< 10	< 1	0.23	< 10	1.21
B410574	0.3	< 0.5	274	1120	1	12	< 2	108	2.76	274	< 10	27	< 0.5	< 2	2.79	44	20	8.41	10	< 1	0.19	< 10	1.40
B410575	< 0.2	< 0.5	273	984	< 1	9	< 2	98	2.66	154	< 10	55	< 0.5	< 2	2.70	46	8	8.35	< 10	< 1	0.26	< 10	1.28
B410576	0.2	< 0.5	266	966	< 1	7	2	104	2.64	315	< 10	61	< 0.5	< 2	2.59	45	6	8.10	< 10	< 1	0.29	< 10	1.26
B410577	< 0.2	< 0.5	169	898	< 1	7	< 2	93	2.40	203	< 10	27	< 0.5	< 2	2.90	41	5	7.61	< 10	< 1	0.14	< 10	1.11
B410578	0.3	< 0.5	196	868	2	5	< 2	92	2.49	60	< 10	41	< 0.5	< 2	3.11	43	4	7.74	< 10	< 1	0.21	< 10	1.19
B410579	< 0.2	< 0.5	144	1070	12	6	< 2	87	2.37	121	< 10	46	< 0.5	< 2	4.57	35	2	7.32	< 10	< 1	0.31	< 10	1.23
B410580	< 0.2	< 0.5	49	570	< 1	116	9	84	2.20	12	< 10	70	0.6	< 2	1.21	35	63	5.29	< 10	< 1	0.15	17	1.79
B410581	0.2	< 0.5	184	811	1	3	< 2	89	2.51	32	< 10	12	< 0.5	< 2	2.40	43	3	7.97	< 10	< 1	0.15	< 10	1.13
B410582	< 0.2	< 0.5	185	890	< 1	4	< 2	76	2.25	27	< 10	< 10	< 0.5	< 2	2.70	42	3	7.55	< 10	< 1	0.12	< 10	1.04
B410583	0.5	< 0.5	573	907	< 1	11	3	67	2.34	42	< 10	< 10	< 0.5	< 2	3.09	49	4	8.26	< 10	< 1	0.12	< 10	1.21
B410584	< 0.2	< 0.5	89	896	< 1	4	< 2	85	2.92	26	< 10	23	< 0.5	< 2	2.39	37	2	8.14	< 10	< 1	0.18	< 10	1.44
B410585	< 0.2	< 0.5	152	807	< 1	3	< 2	85	2.74	26	< 10	33	< 0.5	< 2	2.33	41	2	7.73	< 10	< 1	0.19	< 10	1.37
B410586	< 0.2	< 0.5	160	799	< 1	7	< 2	82	2.39	28	< 10	11	< 0.5	< 2	2.69	40	2	7.24	< 10	< 1	0.17	< 10	1.09
B410587	0.3	< 0.5	168	835	< 1	5	2	74	2.33	30	< 10	< 10	< 0.5	< 2	2.72	39	2	7.43	< 10	< 1	0.15	< 10	1.04
B410588	< 0.2	< 0.5	97	734	< 1	8	< 2	79	2.21	35	< 10	< 10	< 0.5	< 2	2.28	41	3	8.10	< 10	< 1	0.11	< 10	1.12
B410589	< 0.2	< 0.5	106	855	< 1	11	< 2	128	3.61	93	< 10	< 10	< 0.5	< 2	1.72	40	7	7.99	10	< 1	0.05	< 10	2.34
B410591	0.3	< 0.5	231	979	< 1	7	2	63	1.84	17	< 10	< 10	< 0.5	< 2	4.91	29	3	5.06	< 10	< 1	0.06	< 10	1.17
B410592	0.3	< 0.5	200	801	< 1	10	< 2	79	2.53	37	< 10	20	< 0.5	< 2	2.95	43	8	7.63	< 10	< 1	0.20	< 10	1.18
B410593	0.3	< 0.5	174	815	< 1	9	< 2	77	2.11	25	< 10	20	< 0.5	< 2	2.91	40	7	7.16	< 10	< 1	0.18	< 10	1.01
B410594	0.3	< 0.5	189	819	< 1	10	< 2	81	2.37	23	< 10	65	< 0.5	< 2	3.10	40	4	7.72	< 10	< 1	0.43	< 10	1.10

Results

Activation Laboratories Ltd.

Report: A21-08199

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B410595	0.2	< 0.5	256	796	17	13	< 2	72	2.10	68	< 10	11	< 0.5	< 2	3.24	39	13	7.42	< 10	< 1	0.12	< 10	1.01
B410596	< 0.2	< 0.5	154	803	14	10	2	74	2.06	48	< 10	12	< 0.5	< 2	3.25	37	12	7.12	< 10	< 1	0.12	< 10	0.99
B410597	< 0.2	< 0.5	159	1030	< 1	26	< 2	123	3.53	14	< 10	50	< 0.5	< 2	1.10	42	3	10.1	10	< 1	0.47	< 10	1.90
B410598	< 0.2	< 0.5	141	990	< 1	4	< 2	84	2.80	12	< 10	57	< 0.5	< 2	2.67	38	2	7.98	< 10	< 1	0.42	< 10	1.21
B410599	< 0.2	< 0.5	242	1070	< 1	23	< 2	88	3.36	203	< 10	114	< 0.5	< 2	1.84	54	2	9.13	10	< 1	0.74	< 10	1.61
B410600	1.5	< 0.5	116	592	4	143	28	58	2.89	47	15	44	< 0.5	< 2	2.83	28	424	4.15	< 10	< 1	0.20	< 10	3.07
B410601	< 0.2	< 0.5	151	1040	< 1	48	< 2	89	4.00	4210	< 10	< 10	< 0.5	< 2	0.09	77	9	10.00	10	< 1	0.02	< 10	2.16
B410602	0.3	< 0.5	288	1120	16	41	< 2	105	4.44	2990	< 10	< 10	< 0.5	< 2	0.10	81	5	10.6	10	< 1	0.01	< 10	2.17

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B410433	0.088	0.021	0.30	3	4	31	0.18	< 20	5	< 2	< 10	68	< 10	4	10
B410434	0.159	0.027	0.08	3	6	26	0.22	< 20	2	< 2	< 10	73	< 10	5	8
B410435	0.101	0.025	0.16	2	5	62	0.18	< 20	11	< 2	< 10	79	< 10	7	7
B410436	0.099	0.029	0.18	< 2	6	56	0.20	< 20	2	< 2	< 10	94	< 10	7	9
B410437	0.182	0.031	0.10	3	6	34	0.23	< 20	< 1	< 2	< 10	98	< 10	6	9
B410438	0.155	0.032	0.12	4	9	51	0.25	< 20	6	< 2	< 10	115	< 10	7	10
B410439	0.095	0.071	0.04	3	4	45	0.17	< 20	7	< 2	< 10	76	< 10	4	17
B410440	0.305	0.091	0.02	< 2	5	90	0.23	< 20	2	< 2	< 10	49	< 10	11	9
B410441	0.109	0.052	0.08	< 2	3	39	0.16	< 20	3	< 2	< 10	56	< 10	5	19
B410442	0.140	0.027	0.11	2	6	28	0.21	< 20	2	< 2	< 10	68	< 10	5	7
B410443	0.161	0.032	0.15	< 2	6	27	0.18	< 20	8	< 2	< 10	94	< 10	6	8
B410444	0.161	0.027	0.16	2	7	38	0.19	< 20	8	< 2	< 10	96	< 10	7	7
B410445	0.205	0.029	0.19	< 2	8	33	0.21	< 20	8	< 2	< 10	97	< 10	7	8
B410446	0.164	0.031	0.16	7	11	25	0.21	< 20	8	< 2	< 10	147	< 10	7	8
B410447	0.025	0.033	0.30	7	23	11	0.20	< 20	6	< 2	< 10	221	< 10	12	12
B410448	0.028	0.033	0.39	5	21	7	0.25	< 20	7	< 2	< 10	221	< 10	11	13
B410449	0.051	0.030	0.37	5	18	10	0.24	< 20	6	< 2	< 10	196	< 10	11	14
B410451	0.077	0.056	1.72	3	11	15	0.18	< 20	4	< 2	< 10	111	< 10	6	26
B410452	0.047	0.028	1.56	6	17	5	0.29	< 20	< 1	< 2	< 10	210	< 10	9	18
B410453	0.127	0.030	0.25	< 2	7	22	0.22	< 20	< 1	< 2	< 10	110	< 10	7	11
B410454	0.109	0.021	0.05	4	5	23	0.18	< 20	5	< 2	< 10	56	< 10	4	8
B410455	0.116	0.024	0.06	2	5	16	0.19	< 20	3	< 2	< 10	55	< 10	4	7
B410456	0.128	0.025	0.06	2	6	15	0.19	< 20	< 1	< 2	< 10	62	< 10	4	8
B410457	0.143	0.027	0.06	3	6	19	0.23	< 20	3	< 2	< 10	78	< 10	5	9
B410458	0.187	0.031	0.20	2	9	31	0.27	< 20	3	< 2	< 10	108	< 10	7	9
B410459	0.192	0.029	0.28	4	9	35	0.22	< 20	6	< 2	< 10	99	< 10	7	8
B410460	0.062	0.027	0.70	4	9	47	0.23	< 20	2	< 2	< 10	112	< 10	9	17
B410461	0.077	0.019	1.38	4	6	36	0.18	< 20	< 1	< 2	< 10	86	< 10	5	8
B410462	0.231	0.034	0.17	2	9	21	0.23	< 20	< 1	< 2	< 10	108	< 10	8	10
B410463	0.177	0.030	0.14	2	9	28	0.24	< 20	5	< 2	< 10	93	< 10	7	8
B410464	0.192	0.031	0.15	3	9	25	0.27	< 20	< 1	< 2	< 10	108	< 10	8	9
B410465	0.206	0.032	0.07	2	10	25	0.27	< 20	< 1	< 2	< 10	104	< 10	8	8
B410466	0.266	0.033	0.24	2	11	21	0.23	< 20	< 1	< 2	< 10	116	< 10	9	8
B410467	0.183	0.028	0.29	2	10	31	0.25	< 20	8	< 2	< 10	95	< 10	7	9
B410468	0.086	0.018	1.88	< 2	6	46	0.16	< 20	< 1	< 2	< 10	72	< 10	6	8
B410469	0.172	0.030	0.99	4	9	26	0.24	< 20	3	< 2	< 10	112	< 10	8	12
B410471	0.188	0.032	0.66	< 2	9	24	0.28	< 20	< 1	< 2	< 10	112	< 10	8	10
B410472	0.162	0.027	0.65	2	8	33	0.26	< 20	< 1	< 2	< 10	113	< 10	8	9
B410473	0.144	0.026	0.22	3	7	30	0.28	< 20	8	< 2	< 10	112	< 10	8	8
B410474	0.163	0.029	0.22	4	8	20	0.34	< 20	4	< 2	< 10	123	< 10	9	10
B410475	0.173	0.041	0.11	2	6	11	0.34	< 20	2	< 2	< 10	82	< 10	8	10
B410476	0.178	0.033	0.12	2	6	9	0.35	< 20	4	< 2	< 10	80	< 10	8	8
B410477	0.204	0.034	0.70	3	13	13	0.38	< 20	< 1	< 2	< 10	148	< 10	12	12
B410478	0.181	0.031	0.26	< 2	6	12	0.35	< 20	1	< 2	< 10	101	< 10	9	10
B410479	0.083	0.028	1.03	4	16	7	0.34	< 20	5	< 2	< 10	179	< 10	11	12
B410481	0.226	0.034	0.18	2	13	22	0.28	< 20	4	< 2	< 10	157	< 10	10	10
B410482	0.129	0.025	0.04	3	5	32	0.25	< 20	3	< 2	< 10	82	< 10	5	7
B410483	0.250	0.033	0.19	2	9	26	0.24	< 20	< 1	< 2	< 10	131	< 10	9	8
B410484	0.268	0.036	0.25	< 2	9	22	0.22	< 20	5	< 2	< 10	125	< 10	9	7
B410485	0.218	0.032	1.26	3	9	21	0.28	< 20	< 1	< 2	< 10	129	< 10	10	11
B410486	0.264	0.034	0.19	< 2	9	30	0.24	< 20	8	< 2	< 10	134	< 10	9	9

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B410487	0.204	0.025	0.38	3	9	43	0.23	< 20	< 1	< 2	< 10	108	< 10	6	10
B410488	0.160	0.031	0.27	3	6	38	0.24	< 20	< 1	< 2	< 10	91	< 10	6	9
B410489	0.195	0.029	0.48	4	10	28	0.25	< 20	< 1	< 2	< 10	123	< 10	8	10
B410491	0.232	0.030	0.12	< 2	8	27	0.24	< 20	4	< 2	< 10	101	< 10	7	8
B410492	0.202	0.031	0.16	2	9	22	0.25	< 20	1	< 2	< 10	90	< 10	8	6
B410493	0.015	0.001	0.27	< 2	< 1	18	< 0.01	< 20	< 1	< 2	< 10	4	< 10	1	< 1
B410494	0.217	0.032	0.09	3	9	13	0.24	< 20	1	< 2	< 10	96	< 10	8	9
B410495	0.255	0.032	0.16	3	11	12	0.17	< 20	2	< 2	< 10	120	< 10	9	10
B410496	0.263	0.034	0.14	< 2	12	13	0.19	< 20	< 1	< 2	< 10	136	< 10	10	11
B410497	0.259	0.033	0.13	< 2	9	18	0.21	< 20	< 1	< 2	< 10	128	< 10	9	7
B410498	0.215	0.031	0.36	< 2	10	16	0.17	< 20	2	< 2	< 10	110	< 10	9	13
B410499	0.232	0.054	0.15	2	10	10	0.22	< 20	< 1	< 2	< 10	148	< 10	10	10
B410500	0.345	0.087	0.02	2	5	91	0.24	< 20	4	< 2	< 10	47	< 10	11	5
B410501	0.261	0.033	0.05	3	9	20	0.21	< 20	3	< 2	< 10	142	< 10	9	8
B410502	0.278	0.035	0.08	3	10	17	0.23	< 20	1	< 2	< 10	141	< 10	9	10
B410503	0.213	0.034	0.35	< 2	9	24	0.22	< 20	< 1	< 2	< 10	113	< 10	7	17
B410504	0.122	0.028	0.02	< 2	2	13	0.10	< 20	< 1	< 2	< 10	18	< 10	3	27
B410505	0.149	0.027	0.10	< 2	1	15	0.08	< 20	< 1	< 2	< 10	16	< 10	3	24
B410506	0.129	0.032	0.13	< 2	3	14	0.12	< 20	2	< 2	< 10	34	< 10	3	25
B410507	0.206	0.029	0.48	2	10	35	0.24	< 20	5	< 2	< 10	112	< 10	8	10
B410508	0.120	0.034	0.62	< 2	4	63	0.09	< 20	< 1	< 2	< 10	36	< 10	5	17
B410509	0.074	0.015	0.31	3	5	128	0.13	< 20	< 1	< 2	< 10	76	< 10	4	11
B410511	0.154	0.019	0.12	2	6	46	0.15	< 20	4	< 2	< 10	57	< 10	3	8
B410512	0.078	0.016	0.28	4	8	149	0.13	< 20	< 1	< 2	< 10	92	< 10	4	9
B410513	0.078	0.018	0.29	5	8	142	0.13	< 20	< 1	< 2	< 10	95	< 10	4	8
B410514	0.132	0.020	0.08	2	7	59	0.15	< 20	3	< 2	< 10	63	< 10	4	6
B410515	0.110	0.021	0.37	< 2	9	95	0.15	< 20	4	< 2	< 10	79	< 10	4	7
B410516	0.106	0.022	0.39	< 2	8	91	0.14	< 20	5	< 2	< 10	75	< 10	4	6
B410517	0.075	0.020	1.05	2	8	92	0.15	< 20	< 1	< 2	< 10	108	< 10	5	9
B410518	0.024	0.027	0.20	3	5	188	0.04	< 20	< 1	< 2	< 10	51	< 10	7	13
B410519	0.073	0.020	0.63	3	5	117	0.04	< 20	< 1	< 2	< 10	33	< 10	9	33
B410520	0.068	0.027	0.70	4	10	46	0.24	< 20	4	< 2	< 10	110	< 10	9	17
B410521	0.274	0.033	0.69	3	11	60	0.12	< 20	< 1	< 2	< 10	80	< 10	9	32
B410522	0.147	0.037	0.35	4	16	15	0.26	< 20	< 1	< 2	< 10	170	< 10	11	11
B410523	0.222	0.037	0.29	< 2	17	19	0.27	< 20	< 1	< 2	< 10	167	< 10	11	10
B410524	0.174	0.037	0.20	< 2	12	14	0.26	< 20	< 1	< 2	< 10	137	< 10	9	11
B410525	0.224	0.035	0.89	< 2	15	17	0.16	< 20	< 1	< 2	< 10	122	< 10	18	33
B410526	0.285	0.036	0.35	< 2	16	22	0.25	< 20	< 1	< 2	< 10	132	< 10	11	10
B410527	0.322	0.035	0.22	2	16	24	0.23	< 20	4	< 2	< 10	143	< 10	11	7
B410528	0.319	0.035	0.06	< 2	16	32	0.25	< 20	4	< 2	< 10	134	< 10	11	6
B410529	0.479	0.035	0.35	< 2	19	77	0.21	< 20	< 1	< 2	< 10	152	< 10	14	5
B410530	0.013	0.002	< 0.01	< 2	< 1	2	< 0.01	< 20	< 1	< 2	< 10	2	< 10	< 1	4
B410531	0.101	0.028	0.45	4	5	8	0.13	< 20	< 1	< 2	< 10	134	< 10	8	8
B410532	0.145	0.036	1.23	5	7	14	0.21	< 20	6	< 2	< 10	167	< 10	12	11
B410533	0.265	0.039	0.17	3	8	13	0.20	< 20	10	< 2	< 10	159	< 10	12	9
B410534	0.330	0.042	0.61	4	9	8	0.18	< 20	< 1	< 2	< 10	160	< 10	13	14
B410535	0.288	0.042	0.10	< 2	8	9	0.21	< 20	3	< 2	< 10	137	< 10	12	12
B410536	0.295	0.041	0.11	3	8	8	0.21	< 20	5	< 2	< 10	138	< 10	12	12
B410537	0.293	0.042	0.17	3	9	9	0.17	< 20	1	< 2	< 10	165	< 10	14	9
B410538	0.204	0.039	0.80	< 2	7	14	0.17	< 20	< 1	< 2	< 10	168	11	12	13
B410539	0.214	0.041	0.36	< 2	9	13	0.22	< 20	7	< 2	< 10	161	< 10	12	13

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	10	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B410540	0.378	0.143	0.79	5	4	96	0.13	< 20	< 1	< 2	< 10	45	< 10	11	3
B410541	0.307	0.042	0.30	3	9	10	0.22	< 20	8	< 2	< 10	127	< 10	12	12
B410542	0.251	0.041	0.47	2	10	11	0.18	< 20	2	< 2	< 10	147	< 10	13	13
B410543	0.304	0.045	0.21	< 2	9	9	0.20	< 20	< 1	< 2	< 10	125	< 10	13	14
B410544	0.293	0.047	0.37	4	9	10	0.20	< 20	< 1	< 2	< 10	125	< 10	13	13
B410545	0.271	0.041	0.27	4	11	20	0.22	< 20	< 1	< 2	< 10	158	< 10	12	13
B410546	0.158	0.033	1.45	3	8	24	0.25	< 20	4	< 2	< 10	197	< 10	10	15
B410547	0.192	0.039	0.41	2	10	17	0.26	< 20	9	< 2	< 10	212	< 10	11	13
B410548	0.153	0.037	0.32	< 2	8	21	0.20	< 20	< 1	< 2	< 10	171	< 10	13	12
B410549	0.167	0.031	0.47	3	8	28	0.22	< 20	< 1	< 2	< 10	104	< 10	8	11
B410551	0.132	0.026	0.11	3	7	23	0.24	< 20	< 1	< 2	< 10	73	< 10	6	8
B410552	0.147	0.026	0.12	4	8	18	0.26	< 20	9	< 2	< 10	81	< 10	6	9
B410553	0.091	0.021	0.16	< 2	6	31	0.18	< 20	2	< 2	< 10	67	< 10	6	6
B410554	0.054	0.018	0.25	5	3	32	0.12	< 20	< 1	< 2	< 10	47	< 10	3	6
B410555	0.088	0.025	0.23	3	4	30	0.20	< 20	< 1	< 2	< 10	69	< 10	4	9
B410556	0.103	0.025	0.25	3	5	30	0.23	< 20	5	< 2	< 10	87	< 10	5	11
B410557	0.340	0.039	0.22	3	9	10	0.16	< 20	< 1	< 2	< 10	155	< 10	12	10
B410558	0.293	0.039	0.19	4	9	11	0.19	< 20	1	< 2	< 10	171	< 10	13	8
B410559	0.203	0.038	0.44	< 2	8	13	0.20	< 20	< 1	< 2	< 10	178	< 10	12	10
B410561	0.134	0.036	1.60	4	8	14	0.25	< 20	2	< 2	< 10	173	< 10	10	13
B410562	0.179	0.038	2.34	4	8	10	0.18	< 20	6	< 2	< 10	167	< 10	11	14
B410563	0.243	0.036	0.71	2	8	15	0.23	< 20	< 1	< 2	< 10	169	< 10	12	12
B410564	0.256	0.038	2.30	5	8	11	0.15	< 20	6	< 2	< 10	150	< 10	11	15
B410565	0.321	0.039	0.22	3	9	22	0.21	< 20	< 1	< 2	< 10	145	< 10	11	11
B410566	0.264	0.039	0.79	< 2	8	16	0.22	< 20	9	< 2	< 10	149	< 10	11	11
B410567	0.303	0.037	0.64	5	8	11	0.17	< 20	2	< 2	< 10	155	< 10	12	12
B410568	0.324	0.040	0.20	3	8	10	0.21	< 20	4	< 2	< 10	143	< 10	12	13
B410569	0.290	0.044	0.39	< 2	8	13	0.22	< 20	4	< 2	< 10	136	< 10	12	13
B410571	0.263	0.041	0.71	4	8	15	0.15	< 20	< 1	< 2	< 10	159	< 10	12	12
B410572	0.334	0.041	0.59	3	8	12	0.22	< 20	3	< 2	< 10	152	< 10	12	13
B410573	0.258	0.035	0.23	3	8	16	0.19	< 20	< 1	< 2	< 10	147	< 10	11	10
B410574	0.276	0.041	0.50	4	10	14	0.16	< 20	8	< 2	< 10	138	< 10	12	14
B410575	0.300	0.042	0.76	3	10	13	0.19	< 20	8	< 2	< 10	136	< 10	12	12
B410576	0.293	0.042	0.78	4	10	13	0.17	< 20	16	< 2	< 10	139	< 10	12	12
B410577	0.311	0.043	0.38	3	10	13	0.14	< 20	< 1	< 2	< 10	146	< 10	13	10
B410578	0.271	0.042	0.43	< 2	10	13	0.18	< 20	< 1	< 2	< 10	143	< 10	13	11
B410579	0.188	0.038	0.67	2	8	34	0.20	< 20	< 1	< 2	< 10	124	< 10	13	12
B410580	0.361	0.092	0.02	< 2	6	94	0.26	< 20	3	< 2	< 10	48	< 10	11	6
B410581	0.331	0.048	0.14	3	9	9	0.20	< 20	< 1	< 2	< 10	117	< 10	13	12
B410582	0.365	0.043	0.18	3	10	11	0.18	< 20	3	< 2	< 10	125	< 10	12	11
B410583	0.224	0.035	1.09	3	9	17	0.20	< 20	5	< 2	< 10	128	< 10	12	12
B410584	0.342	0.048	0.06	3	10	8	0.21	< 20	1	< 2	< 10	127	< 10	14	12
B410585	0.320	0.047	0.17	2	9	9	0.22	< 20	5	< 2	< 10	114	< 10	14	12
B410586	0.303	0.045	0.19	3	8	14	0.21	< 20	4	< 2	< 10	115	< 10	13	12
B410587	0.344	0.045	0.19	4	9	14	0.21	< 20	4	< 2	< 10	122	< 10	13	11
B410588	0.204	0.044	0.24	3	8	20	0.19	< 20	3	< 2	< 10	157	< 10	14	10
B410589	0.168	0.046	0.37	3	8	9	0.17	< 20	< 1	< 2	< 10	137	< 10	14	11
B410591	0.161	0.032	0.25	< 2	6	43	0.15	< 20	4	< 2	< 10	84	< 10	10	8
B410592	0.310	0.044	0.22	3	9	13	0.20	< 20	7	< 2	< 10	136	< 10	13	11
B410593	0.290	0.044	0.18	< 2	9	12	0.19	< 20	4	< 2	< 10	126	< 10	12	11
B410594	0.296	0.044	0.27	2	9	13	0.19	< 20	< 1	< 2	< 10	141	< 10	13	11

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B410595	0.263	0.044	0.45	< 2	9	11	0.15	< 20	< 1	< 2	< 10	133	< 10	14	11
B410596	0.267	0.044	0.37	< 2	9	11	0.17	< 20	1	< 2	< 10	132	< 10	15	11
B410597	0.117	0.049	1.07	3	12	6	0.23	< 20	3	< 2	< 10	173	< 10	17	16
B410598	0.281	0.046	0.41	< 2	10	9	0.21	< 20	< 1	< 2	< 10	121	< 10	15	12
B410599	0.146	0.044	0.55	3	12	10	0.18	< 20	2	< 2	< 10	178	< 10	15	14
B410600	0.067	0.027	0.68	4	10	44	0.23	< 20	< 1	< 2	< 10	106	< 10	9	16
B410601	0.028	0.024	0.54	5	23	3	0.06	< 20	< 1	< 2	< 10	261	19	15	19
B410602	0.028	0.024	0.67	4	23	4	0.06	< 20	6	< 2	< 10	322	23	17	20

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas	0.4	< 0.5	73	1040	1	25	99	125	6.46	238	< 10	763	0.8	3	0.13	13	77	5.55	20	< 1	1.12	< 10	0.39
GXR-6 Cert	1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9	0.609
GXR-6 Meas	0.4	< 0.5	74	1060	1	25	101	131	6.61	242	< 10	781	0.9	3	0.14	14	79	5.63	20	2	1.17	< 10	0.40
GXR-6 Cert	1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9	0.609
GXR-6 Meas	0.3	< 0.5	68	1030	2	24	91	119	7.41	256	< 10	715	0.9	< 2	0.14	14	84	5.59	20	< 1	1.20	12	0.41
GXR-6 Cert	1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9	0.609
GXR-6 Meas	0.2	< 0.5	67	1040	2	20	90	119	7.30	252	< 10	839	0.9	< 2	0.16	14	83	5.54	20	< 1	1.21	12	0.42
GXR-6 Cert	1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9	0.609
GXR-6 Meas	0.3	< 0.5	65	1050	1	20	95	119	7.07	246	< 10	756	0.9	< 2	0.14	14	82	5.44	20	< 1	1.17	12	0.40
GXR-6 Cert	1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9	0.609
OREAS 98 (Aqua Regia) Meas	41.1		> 10000				261	1170						6		96							
OREAS 98 (Aqua Regia) Cert	42.8		147000				343	1300						90		110							
OREAS 98 (Aqua Regia) Meas	42.2		> 10000				268	1200						19		99							
OREAS 98 (Aqua Regia) Cert	42.8		147000				343	1300						93		110							
OREAS 922 (AQUA REGIA) Meas	0.9	< 0.5	2300	760	< 1	35	62	264	2.67	4		86	0.7	7	0.43	19	44	5.03	< 10		0.49	34	1.33
OREAS 922 (AQUA REGIA) Cert	0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5	1.33
OREAS 922 (AQUA REGIA) Meas	0.9	< 0.5	2290	764	< 1	34	62	265	2.70	3		89	0.8	7	0.44	19	45	5.03	< 10		0.51	34	1.33
OREAS 922 (AQUA REGIA) Cert	0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5	1.33
OREAS 922 (AQUA REGIA) Meas	0.8	< 0.5	2240	737	< 1	33	56	238	3.01	2		78	0.8	7	0.41	20	48	5.23	< 10		0.51	40	1.39
OREAS 922 (AQUA REGIA) Cert	0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5	1.33
OREAS 922 (AQUA REGIA) Meas	0.8	< 0.5	2210	767	< 1	32	56	242	3.00	3		85	0.8	3	0.41	20	48	5.15	< 10		0.52	39	1.37
OREAS 922 (AQUA REGIA) Cert	0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5	1.33
OREAS 922 (AQUA REGIA) Meas	0.8	< 0.5	2180	752	< 1	30	59	241	2.87	< 2		79	0.7	4	0.39	19	47	5.02	< 10		0.48	37	1.34
OREAS 922 (AQUA REGIA) Cert	0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5	1.33
OREAS 923 (AQUA REGIA) Meas	1.7	< 0.5	4520	864	< 1	33	86	342	2.68	7		70	0.7	21	0.43	22	41	5.82	< 10		0.41	31	1.41
OREAS 923 (AQUA REGIA) Cert	1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0	1.43
OREAS 923 (AQUA REGIA) Meas	1.8	< 0.5	4510	868	< 1	34	84	337	2.70	6		73	0.7	22	0.44	21	42	5.79	< 10		0.43	32	1.41
OREAS 923 (AQUA REGIA) Cert	1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0	1.43



Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Cert																							
OREAS 923 (AQUA REGIA) Meas	1.9	< 0.5	4260	885	< 1	30	79	320	2.91	6		70	0.7	14	0.40	22	43	5.80	< 10		0.43	35	1.43
OREAS 923 (AQUA REGIA) Cert	1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0	1.43
Oreas 96 (Aqua Regia) Meas	11.1		> 10000				92	417						48		46							
Oreas 96 (Aqua Regia) Cert	11.50		39100.00				100	448						27.9		49.2							
Oreas 96 (Aqua Regia) Meas	11.3		> 10000				91	419						51		45							
Oreas 96 (Aqua Regia) Cert	11.50		39100.00				100	448						27.9		49.2							
Oreas 621 (Aqua Regia) Meas	67.3	280	3730	549	13	26	> 5000	> 10000	1.64	80			0.6	4	1.47	31	31	3.24	10	4	0.37	17	0.44
Oreas 621 (Aqua Regia) Cert	68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4	0.436
Oreas 621 (Aqua Regia) Meas	71.1	283	3760	543	14	25	> 5000	> 10000	1.68	82			0.6	< 2	1.57	31	31	3.31	< 10	4	0.39	17	0.45
Oreas 621 (Aqua Regia) Cert	68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4	0.436
Oreas 621 (Aqua Regia) Meas	66.3	278	3700	510	13	23	> 5000	> 10000	1.70	75			0.6	< 2	1.61	28	28	3.42	< 10	4	0.38	21	0.45
Oreas 621 (Aqua Regia) Cert	68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4	0.436
Oreas 621 (Aqua Regia) Meas	66.7	270	3590	503	12	21	> 5000	> 10000	1.76	78			0.6	< 2	1.56	30	29	3.32	< 10	5	0.38	20	0.44
Oreas 621 (Aqua Regia) Cert	68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4	0.436
Oreas 621 (Aqua Regia) Meas	64.9	272	3540	514	12	22	> 5000	> 10000	1.69	76			0.5	< 2	1.53	29	31	3.24	< 10	5	0.36	19	0.43
Oreas 621 (Aqua Regia) Cert	68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4	0.436
OREAS 45f (Aqua Regia) Meas			323	170	< 1	224	11	26	7.12		142	1.0	< 2	0.07	40	357	12.5	20	2	0.11	11	0.17	
OREAS 45f (Aqua Regia) Cert			336	150	1.19	192	12.4	22.2	4.81		158	0.980	0.170	0.0750	39.2	341	13.7	20.3	0.0310	0.0820	10.7	0.152	
B410433 Orig	0.3	< 0.5	191	635	100	235	2	44	1.86	30	< 10	14	< 0.5	< 2	2.98	47	423	4.19	< 10	< 1	0.08	< 10	2.27
B410433 Dup	0.3	< 0.5	183	621	94	231	< 2	44	1.74	33	< 10	12	< 0.5	< 2	2.88	46	423	4.05	< 10	< 1	0.08	< 10	2.19
B410451 Orig	0.6	< 0.5	530	647	< 1	185	5	41	2.23	199	< 10	13	< 0.5	< 2	1.27	31	273	6.65	< 10	< 1	0.09	12	2.10
B410451 Dup	0.5	< 0.5	498	625	< 1	174	3	38	2.04	202	< 10	12	< 0.5	< 2	1.19	29	270	6.23	< 10	< 1	0.09	11	1.96
B410456 Orig	< 0.2	< 0.5	115	533	< 1	100	2	32	1.14	63	< 10	< 10	< 0.5	< 2	2.56	38	395	3.14	< 10	< 1	0.04	< 10	1.61
B410456 Dup	< 0.2	< 0.5	115	533	< 1	102	2	33	1.15	60	< 10	< 10	< 0.5	< 2	2.52	37	407	3.07	< 10	< 1	0.04	< 10	1.57
B410471 Orig	0.4	< 0.5	179	863	< 1	82	3	56	1.87	37	< 10	< 10	< 0.5	< 2	2.63	41	164	5.64	< 10	< 1	0.05	< 10	1.82
B410471 Dup	0.4	< 0.5	190	897	< 1	85	3	58	1.96	38	< 10	< 10	< 0.5	< 2	2.73	43	170	5.94	< 10	< 1	0.05	< 10	1.90
B410473 Orig	0.2	< 0.5	174	852	< 1	62	< 2	56	2.25	45	< 10	< 10	< 0.5	< 2	4.47	38	161	5.47	< 10	< 1	0.04	< 10	1.83
B410473 Dup	0.2	< 0.5	172	850	< 1	65	< 2	54	2.08	44	< 10	< 10	< 0.5	< 2	4.53	36	167	5.42	< 10	< 1	0.04	< 10	1.80
B410479 Orig	< 0.2	< 0.5	243	936	< 1	92	< 2	55	3.54	169	< 10	< 10	< 0.5	< 2	1.03	52	167	8.05	< 10	< 1	0.03	< 10	2.63
B410479 Dup	< 0.2	< 0.5	234	907	< 1	92	< 2	53	3.07	166	< 10	< 10	< 0.5	< 2	1.03	47	171	7.85	< 10	< 1	0.03	< 10	2.56
B410482 Orig	0.3	< 0.5	175	839	< 1	87	< 2	43	1.89	74	< 10	< 10	< 0.5	< 2	3.56	39	393	4.32	< 10	< 1	0.06	< 10	1.91
B410482 Split PREP DUP	< 0.2	< 0.5	178	866	< 1	89	< 2	43	1.98	84	< 10	< 10	< 0.5	< 2	3.52	42	404	4.34	< 10	< 1	0.06	< 10	1.93
B410482 Split PREP DUP	< 0.2	< 0.5	178	866	< 1	89	< 2	43	1.98	84	< 10	< 10	< 0.5	< 2	3.52	42	404	4.34	< 10	< 1	0.06	< 10	1.93
B410491 Orig	0.3	< 0.5	161	784	< 1	61	< 2	48	1.83	47	< 10	< 10	< 0.5	< 2	3.17	41	122	5.00	< 10	< 1	0.06	< 10	1.75

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B410491 Dup	0.3	< 0.5	158	774	< 1	58	< 2	47	1.79	47	< 10	< 10	< 0.5	< 2	3.09	40	119	4.88	< 10	< 1	0.06	< 10	1.70
B410496 Orig	0.2	< 0.5	165	782	21	83	< 2	115	2.32	55	< 10	34	< 0.5	< 2	2.45	45	68	5.99	< 10	< 1	0.23	< 10	1.92
B410496 Dup	0.2	< 0.5	164	772	19	78	< 2	116	2.41	50	< 10	36	< 0.5	< 2	2.41	44	63	5.88	< 10	< 1	0.22	< 10	1.89
B410509 Orig	0.2	< 0.5	76	915	2	153	< 2	48	1.78	15	< 10	48	< 0.5	< 2	4.94	40	368	4.24	< 10	< 1	0.36	< 10	2.35
B410509 Dup	0.2	< 0.5	73	892	3	147	< 2	45	1.86	10	< 10	49	< 0.5	< 2	4.62	38	340	4.13	< 10	< 1	0.35	< 10	2.28
B410512 Orig	< 0.2	< 0.5	110	938	2	167	< 2	56	2.05	17	< 10	45	< 0.5	< 2	4.29	48	329	4.90	< 10	< 1	0.35	< 10	2.80
B410512 Dup	< 0.2	< 0.5	102	898	2	167	< 2	53	1.75	16	< 10	42	< 0.5	< 2	4.14	44	330	4.66	< 10	< 1	0.34	< 10	2.69
B410526 Orig	0.5	< 0.5	254	784	62	90	< 2	68	2.32	32	< 10	36	< 0.5	< 2	2.62	37	104	4.84	< 10	< 1	0.44	< 10	1.61
B410526 Dup	0.5	< 0.5	252	799	59	91	< 2	68	2.29	30	< 10	36	< 0.5	< 2	2.56	35	102	4.77	< 10	< 1	0.43	< 10	1.59
B410532 Orig	0.4	< 0.5	206	831	4	24	< 2	119	2.33	1240	< 10	97	< 0.5	< 2	3.06	40	11	7.67	< 10	< 1	0.61	< 10	1.62
B410532 Split PREP DUP	0.3	< 0.5	207	800	4	20	3	120	2.39	1220	< 10	89	< 0.5	< 2	2.99	40	10	7.44	< 10	< 1	0.58	< 10	1.55
B410538 Orig	0.5	< 0.5	609	761	6	16	< 2	103	2.20	343	< 10	137	< 0.5	< 2	2.96	42	4	7.28	< 10	< 1	0.61	< 10	1.17
B410538 Dup	0.5	< 0.5	607	732	7	16	< 2	99	1.98	341	< 10	139	< 0.5	< 2	2.90	41	4	7.10	< 10	< 1	0.60	< 10	1.14
B410549 Orig	0.4	< 0.5	302	767	< 1	61	9	103	2.14	338	< 10	11	< 0.5	< 2	3.30	57	116	5.61	< 10	< 1	0.07	< 10	1.66
B410549 Dup	0.4	< 0.5	308	768	< 1	65	8	101	2.07	348	< 10	< 10	< 0.5	< 2	3.40	55	127	5.82	< 10	< 1	0.07	< 10	1.73
B410552 Orig	0.4	< 0.5	193	599	< 1	86	< 2	46	1.47	56	< 10	15	< 0.5	< 2	2.83	46	241	4.19	< 10	< 1	0.09	< 10	1.84
B410552 Dup	0.3	< 0.5	191	617	< 1	84	2	46	1.50	54	< 10	16	< 0.5	< 2	2.81	44	230	4.16	< 10	< 1	0.09	< 10	1.83
B410559 Orig	0.3	< 0.5	198	917	< 1	21	< 2	97	2.71	224	< 10	123	< 0.5	< 2	2.71	43	23	7.72	< 10	< 1	0.48	< 10	1.50
B410559 Dup	0.3	< 0.5	199	905	< 1	22	< 2	89	2.55	229	< 10	115	< 0.5	< 2	2.78	42	24	7.93	< 10	< 1	0.49	< 10	1.54
B410569 Orig	< 0.2	< 0.5	183	773	< 1	16	< 2	77	2.27	18	< 10	93	< 0.5	< 2	2.59	39	10	7.24	< 10	< 1	0.50	< 10	1.26
B410569 Dup	< 0.2	< 0.5	172	739	< 1	11	< 2	75	2.09	16	< 10	91	< 0.5	< 2	2.41	36	3	6.73	< 10	< 1	0.47	< 10	1.16
B410575 Orig	< 0.2	< 0.5	272	987	< 1	9	2	98	2.65	161	< 10	55	< 0.5	< 2	2.68	47	8	8.28	< 10	< 1	0.26	< 10	1.27
B410575 Dup	< 0.2	< 0.5	273	981	< 1	9	< 2	99	2.67	147	< 10	56	< 0.5	< 2	2.71	45	8	8.42	< 10	< 1	0.26	< 10	1.29
B410582 Orig	< 0.2	< 0.5	185	890	< 1	4	< 2	76	2.25	27	< 10	< 10	< 0.5	< 2	2.70	42	3	7.55	< 10	< 1	0.12	< 10	1.04
B410582 Split PREP DUP	< 0.2	< 0.5	191	884	< 1	6	< 2	78	2.28	27	< 10	< 10	< 0.5	< 2	2.76	41	4	7.68	< 10	< 1	0.12	< 10	1.05
B410588 Orig	< 0.2	< 0.5	96	734	< 1	8	< 2	79	2.18	33	< 10	< 10	< 0.5	< 2	2.26	40	3	8.04	< 10	< 1	0.11	< 10	1.11
B410588 Dup	< 0.2	< 0.5	98	734	< 1	8	< 2	79	2.24	37	< 10	< 10	< 0.5	< 2	2.30	42	3	8.16	< 10	< 1	0.12	< 10	1.13
B410589 Orig	< 0.2	< 0.5	107	877	< 1	11	< 2	134	3.82	96	< 10	< 10	< 0.5	< 2	1.73	41	7	8.00	10	< 1	0.05	10	2.34
B410589 Dup	< 0.2	< 0.5	105	832	< 1	11	2	121	3.40	91	< 10	< 10	< 0.5	< 2	1.72	38	7	7.97	10	< 1	0.05	< 10	2.34
B410601 Orig	0.2	< 0.5	154	1060	< 1	52	< 2	90	4.07	4300	< 10	< 10	< 0.5	< 2	0.09	78	9	10.2	10	< 1	0.02	< 10	2.20
B410601 Dup	< 0.2	< 0.5	148	1030	1	45	< 2	88	3.92	4120	< 10	< 10	< 0.5	< 2	0.09	75	9	9.81	10	< 1	0.02	< 10	2.12
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas	0.119	0.034	0.01	4	20	31		< 20	< 1	< 2	< 10	170	< 10	4	8
GXR-6 Cert	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
GXR-6 Meas	0.123	0.034	0.01	5	21	32		< 20	< 1	< 2	< 10	174	< 10	4	8
GXR-6 Cert	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
GXR-6 Meas	0.077	0.035	0.01	3	27	31		< 20	2	< 2	< 10	165	< 10	6	11
GXR-6 Cert	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
GXR-6 Meas	0.085	0.034	0.01	5	26	34		< 20	< 1	< 2	< 10	166	< 10	7	12
GXR-6 Cert	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
GXR-6 Meas	0.076	0.033	0.01	5	26	31		< 20	< 1	< 2	< 10	168	< 10	7	11
GXR-6 Cert	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
OREAS 98 (Aqua Regia) Meas				18											
OREAS 98 (Aqua Regia) Cert				15											
OREAS 98 (Aqua Regia) Meas				18											
OREAS 98 (Aqua Regia) Cert				15											
OREAS 922 (AQUA REGIA) Meas	0.032	0.061	0.38	< 2	4	18		< 20		< 2	< 10	36	< 10	18	14
OREAS 922 (AQUA REGIA) Cert	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas	0.032	0.061	0.38	< 2	4	18		< 20		< 2	< 10	37	< 10	19	16
OREAS 922 (AQUA REGIA) Cert	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas	0.026	0.062	0.36	3	4	15		< 20		< 2	< 10	34	< 10	19	17
OREAS 922 (AQUA REGIA) Cert	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas	0.028	0.062	0.36	< 2	4	16		< 20		< 2	< 10	36	< 10	20	18
OREAS 922 (AQUA REGIA) Cert	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas	0.026	0.061	0.36	3	4	15		< 20		< 2	< 10	34	< 10	19	26
OREAS 922 (AQUA REGIA) Cert	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 923 (AQUA REGIA) Meas		0.059	0.69	3	4	16		< 20		< 2	< 10	35	< 10	17	24
OREAS 923 (AQUA REGIA) Cert		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 923 (AQUA REGIA) Meas		0.058	0.68	2	4	16		< 20		< 2	< 10	36	< 10	17	23
OREAS 923 (AQUA REGIA) Cert		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Cert															
OREAS 923 (AQUA REGIA) Meas		0.059	0.65	4	4	14		< 20		< 2	< 10	35	< 10	19	36
OREAS 923 (AQUA REGIA) Cert		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
Oreas 96 (Aqua Regia) Meas			4.05	6											
Oreas 96 (Aqua Regia) Cert			4.38	4.53											
Oreas 96 (Aqua Regia) Meas			3.84	7											
Oreas 96 (Aqua Regia) Cert			4.38	4.53											
Oreas 621 (Aqua Regia) Meas	0.188	0.033	4.52	110	2	19		< 20		< 2	< 10	13	< 10	7	62
Oreas 621 (Aqua Regia) Cert	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
Oreas 621 (Aqua Regia) Meas	0.196	0.034	4.70	120	3	19		< 20		< 2	< 10	13	< 10	7	65
Oreas 621 (Aqua Regia) Cert	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
Oreas 621 (Aqua Regia) Meas	0.193	0.033	4.40	119	3	20		< 20		< 2	< 10	13	< 10	7	71
Oreas 621 (Aqua Regia) Cert	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
Oreas 621 (Aqua Regia) Meas	0.189	0.032	4.34	113	2	18		< 20		< 2	< 10	12	< 10	7	65
Oreas 621 (Aqua Regia) Cert	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
Oreas 621 (Aqua Regia) Meas	0.181	0.032	4.33	114	2	19		< 20		< 2	< 10	12	< 10	7	65
Oreas 621 (Aqua Regia) Cert	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
OREAS 45f (Aqua Regia) Meas	0.042	0.020	0.02		32	15	0.12	< 20		< 2	< 10	200		6	20
OREAS 45f (Aqua Regia) Cert	0.0320	0.0220	0.0270		31.4	13.2	0.0970	7.67		0.120	1.09	217		6.74	30.0
B410433 Orig	0.089	0.021	0.31	4	5	32	0.18	< 20	5	< 2	< 10	70	< 10	4	10
B410433 Dup	0.086	0.021	0.29	3	4	30	0.18	< 20	5	< 2	< 10	65	< 10	4	9
B410451 Orig	0.080	0.057	1.78	3	12	15	0.19	< 20	6	< 2	< 10	116	< 10	7	28
B410451 Dup	0.073	0.056	1.67	3	11	14	0.18	< 20	3	< 2	< 10	105	< 10	6	25
B410456 Orig	0.129	0.025	0.06	2	6	16	0.19	< 20	< 1	< 2	< 10	63	< 10	4	8
B410456 Dup	0.127	0.025	0.06	2	6	15	0.19	< 20	< 1	< 2	< 10	60	< 10	4	7
B410471 Orig	0.183	0.031	0.65	< 2	9	24	0.27	< 20	4	< 2	< 10	111	< 10	8	9
B410471 Dup	0.192	0.034	0.67	2	10	25	0.28	< 20	< 1	< 2	< 10	114	< 10	8	10
B410473 Orig	0.145	0.026	0.22	3	7	31	0.28	< 20	6	< 2	< 10	116	< 10	8	9
B410473 Dup	0.143	0.027	0.21	3	7	30	0.28	< 20	10	< 2	< 10	109	< 10	8	8
B410479 Orig	0.082	0.028	1.07	6	17	6	0.34	< 20	2	< 2	< 10	189	< 10	11	13
B410479 Dup	0.083	0.028	0.99	3	16	7	0.34	< 20	8	< 2	< 10	169	< 10	10	12
B410482 Orig	0.129	0.025	0.04	3	5	32	0.25	< 20	3	< 2	< 10	82	< 10	5	7
B410482 Split PREP DUP	0.126	0.026	0.05	< 2	5	33	0.25	< 20	< 1	< 2	< 10	86	< 10	5	8
B410482 Split PREP DUP	0.126	0.026	0.05	< 2	5	33	0.25	< 20	< 1	< 2	< 10	86	< 10	5	8
B410491 Orig	0.235	0.031	0.12	< 2	8	27	0.24	< 20	7	< 2	< 10	102	< 10	7	8

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B410491 Dup	0.228	0.030	0.12	2	8	26	0.23	< 20	2	< 2	< 10	100	< 10	7	8
B410496 Orig	0.268	0.034	0.14	< 2	12	13	0.20	< 20	< 1	< 2	< 10	131	< 10	10	11
B410496 Dup	0.257	0.033	0.14	< 2	12	13	0.19	< 20	< 1	< 2	< 10	140	< 10	10	11
B410509 Orig	0.076	0.016	0.31	2	5	131	0.13	< 20	7	< 2	< 10	75	< 10	4	10
B410509 Dup	0.072	0.015	0.31	4	5	126	0.13	< 20	< 1	< 2	< 10	77	< 10	4	11
B410512 Orig	0.079	0.016	0.29	4	8	149	0.14	< 20	4	< 2	< 10	97	< 10	4	9
B410512 Dup	0.076	0.017	0.28	3	7	148	0.13	< 20	< 1	< 2	< 10	86	< 10	3	8
B410526 Orig	0.288	0.036	0.35	< 2	16	21	0.26	< 20	< 1	< 2	< 10	130	< 10	11	10
B410526 Dup	0.281	0.036	0.35	< 2	16	22	0.25	< 20	8	< 2	< 10	133	< 10	11	10
B410532 Orig	0.145	0.036	1.23	5	7	14	0.21	< 20	6	< 2	< 10	167	< 10	12	11
B410532 Split PREP DUP	0.143	0.033	1.21	7	7	14	0.20	< 20	< 1	< 2	< 10	171	< 10	12	12
B410538 Orig	0.209	0.039	0.82	4	8	14	0.17	< 20	< 1	< 2	< 10	176	10	13	14
B410538 Dup	0.199	0.039	0.78	< 2	7	14	0.17	< 20	2	< 2	< 10	159	11	12	12
B410549 Orig	0.163	0.030	0.49	4	8	27	0.21	< 20	< 1	< 2	< 10	107	< 10	8	11
B410549 Dup	0.171	0.032	0.46	2	8	28	0.22	< 20	< 1	< 2	< 10	101	< 10	8	10
B410552 Orig	0.148	0.026	0.12	5	8	18	0.26	< 20	8	< 2	< 10	77	< 10	6	9
B410552 Dup	0.146	0.026	0.12	4	8	19	0.26	< 20	9	< 2	< 10	84	< 10	7	10
B410559 Orig	0.200	0.037	0.45	3	8	13	0.20	< 20	< 1	< 2	< 10	186	< 10	13	11
B410559 Dup	0.206	0.039	0.43	< 2	8	13	0.20	< 20	5	< 2	< 10	170	< 10	12	9
B410569 Orig	0.300	0.045	0.40	< 2	8	13	0.22	< 20	5	< 2	< 10	140	< 10	12	13
B410569 Dup	0.281	0.044	0.38	2	8	13	0.22	< 20	3	< 2	< 10	132	< 10	12	13
B410575 Orig	0.295	0.042	0.76	3	10	13	0.19	< 20	12	< 2	< 10	137	< 10	12	13
B410575 Dup	0.305	0.042	0.76	3	10	13	0.18	< 20	4	< 2	< 10	136	< 10	12	12
B410582 Orig	0.365	0.043	0.18	3	10	11	0.18	< 20	3	< 2	< 10	125	< 10	12	11
B410582 Split PREP DUP	0.368	0.044	0.18	< 2	10	11	0.20	< 20	4	< 2	< 10	126	< 10	12	12
B410588 Orig	0.201	0.043	0.23	3	8	20	0.20	< 20	4	< 2	< 10	155	< 10	13	10
B410588 Dup	0.206	0.044	0.24	2	8	20	0.19	< 20	3	< 2	< 10	159	< 10	14	10
B410589 Orig	0.167	0.046	0.39	2	8	9	0.17	< 20	< 1	< 2	< 10	145	< 10	15	12
B410589 Dup	0.168	0.047	0.35	3	8	9	0.17	< 20	2	< 2	< 10	129	< 10	13	10
B410601 Orig	0.029	0.025	0.55	5	23	3	0.06	< 20	< 1	< 2	< 10	265	20	16	19
B410601 Dup	0.027	0.024	0.53	6	22	3	0.06	< 20	< 1	< 2	< 10	258	18	15	19
Method Blank	0.008	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.007	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	4	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.008	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	2	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.008	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	2	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.009	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.008	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.008	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.008	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1



Report No.: A21-08952-1E3
Report Date: 15-Jun-21
Date Submitted: 18-May-21
Your Reference:

SIGNATURE RESOURCES LTD
366 Bay Street, suite 200
Toronto ON M5H 4B2
Canada

ATTN: Robert Vallis

CERTIFICATE OF ANALYSIS

240 Core samples were submitted for analysis.

Table with 3 columns: Analytical package(s) requested, Testing Date, and details. Rows include 1A2B-30-Dryden and 1A3-Dryden with their respective test types.

REPORT A21-08952-1E3

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Notes:

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



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CERTIFIED BY:

Handwritten signature of Emmanuel Esemé

Emmanuel Esemé, Ph.D.
Quality Control Coordinator

## Results

## Activation Laboratories Ltd.

Report: A21-08952

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2		0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B410603	0.3	< 0.5	228	1210	5	29	< 2	113	4.02	31	< 10	35	< 0.5	2	1.01	65	3	12.0	10	2	0.24	< 10	2.32
B410604	0.2	< 0.5	237	876	< 1	18	< 2	95	3.08	31	< 10	101	< 0.5	< 2	2.10	46	2	9.44	10	< 1	0.84	< 10	1.77
B410605	0.5	< 0.5	679	967	1	66	< 2	101	3.31	746	< 10	63	< 0.5	< 2	1.53	60	38	10.9	10	2	0.69	< 10	1.81
B410606	0.3	< 0.5	204	1340	3	157	< 2	116	4.60	1270	< 10	36	< 0.5	< 2	0.31	68	198	13.9	10	3	0.19	< 10	2.58
B410607	< 0.2	< 0.5	29	1470	< 1	113	< 2	56	2.79	157	< 10	< 10	< 0.5	< 2	5.25	58	318	5.23	< 10	2	0.06	< 10	2.33
B410608	0.3	< 0.5	255	1070	< 1	198	< 2	56	2.78	951	< 10	< 10	< 0.5	< 2	3.06	70	408	7.09	< 10	2	0.05	< 10	2.25
B410609	< 0.2	< 0.5	41	1520	< 1	183	< 2	72	3.54	492	< 10	< 10	< 0.5	< 2	3.89	100	523	7.62	< 10	3	0.07	< 10	2.97
B410610	< 0.2	< 0.5	2	82	< 1	< 1	< 2	< 2	0.07	3	< 10	< 10	< 0.5	< 2	0.02	< 1	12	0.67	< 10	< 1	0.01	< 10	0.01
B410611	0.3	0.6	206	1030	2	214	3	94	4.02	335	< 10	26	< 0.5	< 2	0.14	83	737	11.2	10	2	0.16	25	2.66
B410612	0.6	1.1	117	1150	< 1	445	< 2	74	4.16	507	< 10	< 10	< 0.5	2	0.22	106	2110	11.4	10	3	0.03	< 10	3.09
B410613	0.6	< 0.5	154	796	4	451	< 2	36	2.26	1210	< 10	< 10	< 0.5	< 2	0.79	79	1290	6.82	< 10	1	0.04	< 10	1.77
B410614	0.5	< 0.5	217	950	45	506	< 2	52	2.76	342	< 10	14	< 0.5	4	0.44	87	1660	9.62	< 10	2	0.15	< 10	2.08
B410615	< 0.2	< 0.5	63	834	10	280	< 2	45	2.17	645	< 10	28	< 0.5	< 2	3.37	65	931	5.54	< 10	2	0.24	< 10	2.18
B410616	< 0.2	< 0.5	68	792	6	252	3	43	1.95	259	< 10	26	< 0.5	< 2	3.16	59	789	4.84	< 10	< 1	0.22	< 10	1.96
B410617	< 0.2	< 0.5	28	770	8	109	< 2	60	2.08	77	< 10	93	< 0.5	< 2	4.00	44	269	4.44	< 10	< 1	0.66	< 10	2.04
B410618	0.3	< 0.5	188	747	< 1	95	< 2	75	2.50	45	< 10	173	< 0.5	< 2	3.66	43	248	5.10	< 10	< 1	0.98	< 10	2.18
B410619	0.3	< 0.5	147	729	< 1	96	< 2	46	1.80	62	< 10	42	< 0.5	< 2	4.03	44	235	4.11	< 10	< 1	0.22	< 10	1.71
B410620	0.3	< 0.5	77	1340	1	110	3	72	1.69	1020	< 10	61	< 0.5	< 2	1.75	30	47	6.10	< 10	< 1	0.08	13	2.30
B410621	0.3	< 0.5	166	554	< 1	64	< 2	36	1.28	51	< 10	< 10	< 0.5	< 2	2.70	39	169	3.44	< 10	< 1	0.05	< 10	1.51
B410622	0.3	< 0.5	222	602	< 1	62	< 2	35	1.23	46	< 10	< 10	< 0.5	< 2	3.16	39	140	3.46	< 10	< 1	0.04	< 10	1.41
B410623	0.3	< 0.5	259	682	2	63	< 2	42	1.34	29	< 10	< 10	< 0.5	< 2	3.82	35	119	3.99	< 10	< 1	0.04	< 10	1.50
B410624	0.4	< 0.5	242	699	5	60	< 2	44	1.54	37	< 10	< 10	< 0.5	< 2	3.24	39	118	4.45	< 10	< 1	0.05	< 10	1.59
B410625	0.3	< 0.5	197	727	2	57	< 2	44	1.51	40	< 10	< 10	< 0.5	< 2	3.65	38	109	4.31	< 10	< 1	0.06	< 10	1.58
B410626	0.4	< 0.5	346	760	3	69	< 2	49	1.75	35	< 10	< 10	< 0.5	< 2	3.56	42	113	4.84	< 10	< 1	0.07	< 10	1.70
B410627	0.4	< 0.5	255	688	< 1	54	< 2	45	1.53	38	< 10	< 10	< 0.5	< 2	3.38	40	59	4.35	< 10	< 1	0.07	< 10	1.45
B410628	0.2	< 0.5	180	710	9	79	< 2	39	1.51	24	< 10	36	< 0.5	< 2	3.53	38	142	4.41	< 10	< 1	0.18	< 10	1.61
B410629	0.8	< 0.5	227	730	< 1	93	< 2	49	1.79	30	< 10	47	< 0.5	< 2	3.35	44	169	5.10	< 10	< 1	0.22	< 10	1.77
B410630	< 0.2	< 0.5	1	81	< 1	< 1	< 2	2	0.07	< 2	< 10	< 10	< 0.5	< 2	0.02	< 1	10	0.67	< 10	< 1	0.01	< 10	0.01
B410631	0.3	< 0.5	210	647	< 1	54	< 2	47	1.36	32	< 10	< 10	< 0.5	< 2	2.93	36	108	4.10	< 10	< 1	0.08	< 10	1.41
B410632	< 0.2	< 0.5	191	727	< 1	66	< 2	53	1.55	33	< 10	< 10	< 0.5	< 2	3.25	39	115	4.63	< 10	< 1	0.07	< 10	1.60
B410633	0.2	< 0.5	225	566	< 1	47	< 2	38	1.10	39	< 10	< 10	< 0.5	< 2	2.38	37	63	3.51	< 10	< 1	0.06	< 10	1.19
B410634	0.2	< 0.5	233	676	< 1	48	< 2	44	1.31	37	< 10	< 10	< 0.5	< 2	3.14	37	53	4.03	< 10	< 1	0.06	< 10	1.33
B410635	< 0.2	< 0.5	225	628	< 1	52	< 2	39	1.16	40	< 10	< 10	< 0.5	< 2	2.69	38	78	3.82	< 10	< 1	0.06	< 10	1.37
B410636	0.2	< 0.5	227	591	< 1	51	< 2	37	1.10	41	< 10	< 10	< 0.5	< 2	2.56	38	70	3.60	< 10	< 1	0.06	< 10	1.26
B410637	0.2	< 0.5	220	689	< 1	69	< 2	42	1.39	52	< 10	< 10	< 0.5	< 2	3.35	42	189	4.01	< 10	< 1	0.07	< 10	1.58
B410638	0.2	< 0.5	167	599	< 1	76	< 2	35	1.21	51	< 10	< 10	< 0.5	< 2	3.09	37	274	3.41	< 10	< 1	0.07	< 10	1.57
B410639	0.3	< 0.5	115	685	< 1	78	< 2	49	1.56	41	< 10	38	< 0.5	< 2	3.52	38	239	4.09	< 10	< 1	0.22	< 10	1.73
B410640	0.2	< 0.5	49	580	< 1	116	9	90	2.04	11	< 10	67	0.6	< 2	1.14	34	62	5.07	< 10	< 1	0.14	16	1.72
B410641	0.4	< 0.5	247	883	< 1	69	< 2	61	1.99	31	< 10	52	< 0.5	< 2	4.16	38	136	4.97	< 10	< 1	0.36	< 10	1.79
B410642	0.4	< 0.5	205	802	< 1	61	< 2	54	1.94	29	< 10	68	< 0.5	< 2	3.62	38	105	4.83	< 10	< 1	0.41	< 10	1.68
B410643	0.4	< 0.5	221	790	< 1	65	< 2	51	1.91	25	< 10	53	< 0.5	< 2	3.46	34	136	4.88	< 10	< 1	0.31	< 10	1.70
B410644	0.6	< 0.5	256	823	< 1	73	< 2	69	2.21	83	< 10	28	< 0.5	< 2	3.56	43	140	5.22	< 10	3	0.19	< 10	1.78
B410645	0.4	< 0.5	183	752	< 1	65	< 2	47	1.77	39	< 10	31	< 0.5	< 2	3.32	38	150	5.00	< 10	< 1	0.21	< 10	1.73
B410646	0.7	< 0.5	165	771	< 1	83	< 2	53	1.88	561	< 10	25	< 0.5	< 2	3.24	39	163	5.69	< 10	2	0.21	< 10	1.72
B410647	0.5	< 0.5	165	795	< 1	102	< 2	61	2.31	56	< 10	36	< 0.5	< 2	3.10	45	215	5.47	< 10	3	0.32	< 10	2.03
B410648	0.5	< 0.5	215	764	< 1	123	< 2	41	2.30	29	< 10	14	< 0.5	< 2	2.31	44	236	5.70	< 10	3	0.21	< 10	1.81
B410649	0.8	0.5	288	835	< 1	193	2	65	3.26	198	< 10	11	< 0.5	< 2	0.95	51	430	8.77	< 10	1	0.15	< 10	2.90
B410650	< 0.2	< 0.5	4	84	< 1	< 1	< 2	3	0.06	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	11	0.75	< 10	< 1	0.01	< 10	< 0.01
B410651	2.2	< 0.5	994	815	< 1	205	7	44	2.46	17	< 10	< 10	< 0.5	< 2	1.79	30	301	7.73	< 10	1	0.08	< 10	2.24
B410652	0.5	0.5	214	830	< 1	126	< 2	57	2.86	121	< 10	18	< 0.5	< 2	1.33	50	278	7.77	< 10	< 1	0.22	< 10	2.32
B410653	0.6	< 0.5	193	1080	< 1	125	< 2	61	3.04	41	< 10	< 10	< 0.5	< 2	2.70	34	265	7.43	< 10	1	0.12	< 10	2.68

Results

Activation Laboratories Ltd.

Report: A21-08952

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2		0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B410654	0.5	< 0.5	199	752	5	141	< 2	49	2.05	24	< 10	32	< 0.5	< 2	3.30	44	289	5.43	< 10	2	0.52	< 10	1.97
B410655	0.5	< 0.5	163	683	< 1	153	< 2	54	1.86	68	< 10	13	< 0.5	< 2	3.01	49	373	4.57	< 10	< 1	0.19	< 10	1.92
B410656	0.5	< 0.5	177	648	< 1	153	< 2	44	1.73	65	< 10	11	< 0.5	< 2	2.97	48	358	4.30	< 10	< 1	0.17	< 10	1.76
B410657	0.7	< 0.5	184	819	4	114	< 2	50	1.96	140	< 10	22	< 0.5	< 2	3.31	40	341	5.49	< 10	2	0.24	< 10	1.89
B410658	0.6	< 0.5	209	763	1	64	< 2	53	2.02	27	< 10	12	< 0.5	< 2	2.95	42	68	5.79	< 10	1	0.12	< 10	1.57
B410659	0.5	< 0.5	220	744	< 1	47	< 2	50	1.71	48	< 10	< 10	< 0.5	< 2	3.49	42	43	4.99	< 10	< 1	0.06	< 10	1.37
B410660	1.5	< 0.5	129	624	4	153	28	64	2.95	52	16	42	< 0.5	< 2	2.90	31	432	4.45	< 10	< 1	0.20	< 10	3.18
B410661	< 0.2	< 0.5	192	822	< 1	74	< 2	59	2.19	20	< 10	< 10	< 0.5	< 2	3.22	36	226	6.01	< 10	< 1	0.05	< 10	1.94
B410662	< 0.2	< 0.5	165	736	< 1	83	< 2	51	2.05	12	< 10	< 10	< 0.5	< 2	3.89	35	242	5.61	< 10	2	0.03	< 10	2.16
B410663	< 0.2	< 0.5	222	718	72	90	< 2	48	1.67	9	< 10	10	< 0.5	< 2	3.42	43	287	5.61	< 10	< 1	0.04	< 10	1.74
B410664	0.3	< 0.5	193	686	4	78	3	53	1.41	6	< 10	13	< 0.5	< 2	4.26	39	222	5.56	< 10	< 1	0.04	< 10	1.43
B410665	0.2	< 0.5	240	708	6	76	< 2	58	1.92	5	< 10	< 10	< 0.5	< 2	2.87	38	183	5.87	< 10	< 1	0.03	< 10	1.82
B410666	< 0.2	< 0.5	187	734	2	68	< 2	52	1.60	5	< 10	< 10	< 0.5	< 2	3.15	31	178	5.45	< 10	2	0.02	< 10	1.56
B410667	0.2	< 0.5	209	626	< 1	64	< 2	46	1.43	6	< 10	< 10	< 0.5	< 2	2.43	31	177	5.25	< 10	< 1	0.03	< 10	1.40
B410668	0.2	< 0.5	229	752	< 1	61	< 2	51	1.58	5	< 10	< 10	< 0.5	< 2	3.38	29	153	5.12	< 10	< 1	0.03	< 10	1.57
B410669	< 0.2	< 0.5	216	746	< 1	72	< 2	52	1.72	14	< 10	< 10	< 0.5	< 2	3.29	31	202	4.94	< 10	< 1	0.03	< 10	1.60
B410670	< 0.2	< 0.5	2	89	< 1	< 1	< 2	< 2	0.07	< 2	< 10	< 10	< 0.5	< 2	0.02	< 1	11	0.78	< 10	< 1	0.01	< 10	0.02
B410671	0.2	< 0.5	247	803	2	67	< 2	63	1.95	12	< 10	< 10	< 0.5	< 2	2.99	36	133	6.36	< 10	1	0.04	< 10	1.77
B410672	0.2	< 0.5	226	772	3	69	< 2	53	1.75	7	< 10	29	< 0.5	< 2	3.06	31	193	5.60	< 10	< 1	0.09	< 10	1.67
B410673	0.4	< 0.5	179	832	< 1	81	< 2	54	1.93	6	< 10	31	< 0.5	< 2	4.06	30	197	5.36	< 10	1	0.11	10	1.82
B410674	0.3	< 0.5	214	806	21	98	< 2	67	2.72	9	< 10	31	< 0.5	< 2	2.72	46	212	7.48	< 10	2	0.16	< 10	2.38
B410675	0.3	< 0.5	160	688	44	64	< 2	46	1.88	11	< 10	< 10	< 0.5	< 2	2.54	34	142	5.02	< 10	< 1	0.05	< 10	1.69
B410676	0.3	< 0.5	157	670	34	64	< 2	45	1.80	14	< 10	< 10	< 0.5	< 2	2.52	33	143	4.86	< 10	< 1	0.05	< 10	1.61
B410677	0.5	< 0.5	263	690	24	63	< 2	44	1.74	10	< 10	< 10	< 0.5	< 2	3.17	34	125	4.53	< 10	< 1	0.05	< 10	1.62
B410678	0.4	< 0.5	255	607	13	58	< 2	39	1.60	7	< 10	< 10	< 0.5	< 2	2.64	30	114	4.10	< 10	< 1	0.04	< 10	1.50
B410679	< 0.2	< 0.5	130	794	9	85	< 2	62	2.75	15	< 10	115	< 0.5	< 2	2.66	37	234	6.33	< 10	2	0.36	< 10	2.51
B410680	0.3	< 0.5	75	1310	2	106	< 2	70	1.66	989	< 10	60	< 0.5	< 2	1.72	30	46	5.98	< 10	1	0.08	13	2.24
B410681	0.2	< 0.5	116	628	2	75	< 2	41	1.87	24	< 10	89	< 0.5	< 2	2.99	30	209	4.20	< 10	< 1	0.27	< 10	1.87
B410682	0.3	< 0.5	233	652	1	145	< 2	53	3.55	37	< 10	42	< 0.5	< 2	0.38	68	268	8.60	10	4	0.16	< 10	2.90
B410683	0.8	< 0.5	158	561	3	180	5	41	2.90	91	< 10	13	< 0.5	< 2	0.23	58	570	6.86	< 10	1	0.04	< 10	2.40
B410684	0.5	0.6	186	616	< 1	192	5	56	3.55	126	< 10	15	< 0.5	< 2	0.22	70	475	8.41	10	2	0.05	< 10	2.82
B410685	0.7	< 0.5	255	658	2	222	3	60	3.61	181	< 10	< 10	< 0.5	< 2	0.13	74	465	8.85	< 10	2	0.03	< 10	2.83
B410686	0.4	0.8	178	827	< 1	235	3	59	4.24	578	< 10	< 10	< 0.5	3	0.11	79	482	10.4	10	< 1	0.02	< 10	3.12
B410687	0.5	< 0.5	240	480	1	126	< 2	36	2.44	1520	< 10	< 10	< 0.5	< 2	0.09	52	197	6.28	< 10	3	0.01	< 10	1.66
B410688	0.5	< 0.5	161	627	2	145	< 2	61	4.11	160	< 10	< 10	< 0.5	< 2	0.16	63	218	9.60	10	1	< 0.01	< 10	3.28
B410689	0.5	< 0.5	119	706	< 1	107	< 2	55	3.13	32	< 10	81	< 0.5	< 2	2.27	43	264	7.08	< 10	1	0.20	< 10	3.02
B410690	< 0.2	< 0.5	2	83	< 1	< 1	< 2	< 2	0.07	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	10	0.69	< 10	< 1	0.01	< 10	< 0.01
B410691	0.3	< 0.5	229	727	< 1	79	2	47	1.60	11	< 10	45	< 0.5	< 2	3.14	36	194	4.64	< 10	< 1	0.14	< 10	1.68
B410692	0.2	< 0.5	214	607	< 1	60	< 2	36	1.09	18	< 10	< 10	< 0.5	< 2	2.78	32	157	3.91	< 10	< 1	0.05	< 10	1.30
B410693	0.4	< 0.5	220	613	< 1	62	< 2	37	1.13	17	< 10	< 10	< 0.5	< 2	2.86	33	131	4.07	< 10	< 1	0.06	< 10	1.40
B410694	0.5	< 0.5	228	689	< 1	59	< 2	45	1.49	22	< 10	13	< 0.5	< 2	2.90	37	81	4.49	< 10	< 1	0.08	< 10	1.52
B410695	0.4	< 0.5	198	746	< 1	65	< 2	51	1.75	19	< 10	16	< 0.5	< 2	2.84	42	52	5.64	< 10	4	0.09	< 10	1.60
B410696	0.3	< 0.5	205	705	< 1	64	< 2	49	1.66	19	< 10	16	< 0.5	< 2	2.65	37	45	5.27	< 10	2	0.08	< 10	1.52
B410697	< 0.2	< 0.5	106	550	< 1	43	< 2	21	0.73	26	< 10	< 10	< 0.5	< 2	3.71	23	142	2.16	< 10	< 1	0.04	< 10	0.96
B410698	< 0.2	< 0.5	137	566	1	74	< 2	27	1.00	41	< 10	20	< 0.5	< 2	3.19	31	421	2.87	< 10	< 1	0.08	< 10	1.29
B410699	0.3	< 0.5	193	732	3	46	< 2	51	1.68	28	< 10	< 10	< 0.5	< 2	2.88	34	49	4.98	< 10	< 1	0.05	< 10	1.51
B410700	0.2	< 0.5	49	571	< 1	116	8	88	2.06	10	< 10	65	0.6	< 2	1.12	35	61	5.13	< 10	2	0.14	17	1.67
B410701	0.4	< 0.5	261	745	< 1	42	< 2	49	1.59	26	< 10	< 10	< 0.5	< 2	3.07	35	39	5.17	< 10	< 1	0.06	< 10	1.39
B410702	0.4	< 0.5	216	782	< 1	56	< 2	54	1.89	20	< 10	< 10	< 0.5	< 2	3.06	36	45	5.63	< 10	2	0.05	< 10	1.56
B410703	0.4	< 0.5	237	780	< 1	57	< 2	55	1.70	21	< 10	21	< 0.5	< 2	3.23	37	46	5.83	< 10	2	0.07	< 10	1.50
B410704	0.5	< 0.5	238	730	< 1	52	< 2	52	1.50	15	< 10	12	< 0.5	< 2	2.59	33	39	5.87	< 10	1	0.07	< 10	1.42



Results

Activation Laboratories Ltd.

Report: A21-08952

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2		0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B410705	0.3	< 0.5	160	782	< 1	86	< 2	59	2.05	19	< 10	171	< 0.5	< 2	3.44	36	312	5.01	< 10	< 1	0.57	< 10	2.05
B410706	0.8	< 0.5	276	716	1	105	5	47	1.49	9	< 10	38	< 0.5	< 2	3.08	33	238	5.62	< 10	< 1	0.15	< 10	1.58
B410707	0.5	< 0.5	361	794	< 1	71	< 2	51	1.60	11	< 10	30	< 0.5	< 2	3.35	32	117	5.43	< 10	< 1	0.09	< 10	1.61
B410708	0.5	< 0.5	228	748	< 1	61	< 2	44	1.35	22	< 10	< 10	< 0.5	< 2	3.10	32	112	4.88	< 10	< 1	0.05	< 10	1.42
B410709	0.4	0.6	445	584	2	76	< 2	41	1.22	55	< 10	< 10	< 0.5	< 2	2.39	43	154	3.66	< 10	< 1	0.05	< 10	1.33
B410710	< 0.2	< 0.5	2	87	< 1	1	< 2	< 2	0.06	< 2	< 10	< 10	< 0.5	< 2	0.01	< 1	11	0.75	< 10	< 1	< 0.01	< 10	< 0.01
B410711	0.3	< 0.5	260	729	< 1	59	2	45	1.43	47	< 10	< 10	< 0.5	< 2	3.40	41	132	4.45	< 10	< 1	0.07	< 10	1.49
B410712	0.2	< 0.5	292	703	< 1	58	< 2	45	1.44	49	< 10	< 10	< 0.5	< 2	2.87	42	124	4.59	< 10	< 1	0.07	< 10	1.54
B410713	< 0.2	< 0.5	213	629	2	51	< 2	39	1.20	47	< 10	< 10	< 0.5	< 2	2.61	38	100	3.87	< 10	< 1	0.06	< 10	1.28
B410714	< 0.2	< 0.5	127	718	< 1	106	< 2	50	1.57	44	< 10	< 10	< 0.5	< 2	2.64	51	114	5.30	< 10	< 1	0.07	< 10	1.57
B410715	0.3	< 0.5	228	777	< 1	54	< 2	52	1.66	22	< 10	< 10	< 0.5	< 2	3.12	34	133	4.94	< 10	< 1	0.06	< 10	1.60
B410716	0.3	< 0.5	220	756	< 1	56	< 2	51	1.64	21	< 10	< 10	< 0.5	< 2	2.93	34	133	4.97	< 10	< 1	0.06	< 10	1.58
B410717	0.2	< 0.5	224	788	< 1	53	< 2	53	1.67	23	< 10	< 10	< 0.5	< 2	3.28	34	118	4.81	< 10	< 1	0.06	< 10	1.51
B410718	< 0.2	< 0.5	288	741	3	59	< 2	53	1.76	20	< 10	19	< 0.5	< 2	3.09	39	110	5.05	< 10	< 1	0.07	< 10	1.57
B410719	< 0.2	< 0.5	272	655	< 1	46	< 2	44	1.18	32	< 10	< 10	< 0.5	< 2	2.42	36	78	4.27	< 10	< 1	0.06	< 10	1.31
B410720	1.4	< 0.5	127	614	4	152	29	64	2.93	53	16	41	< 0.5	< 2	2.88	31	432	4.36	< 10	< 1	0.20	< 10	3.12
B410721	< 0.2	< 0.5	239	709	< 1	39	< 2	45	1.39	30	< 10	< 10	< 0.5	< 2	2.93	36	57	4.43	< 10	< 1	0.07	< 10	1.33
B410722	< 0.2	< 0.5	232	711	< 1	44	< 2	54	1.67	24	< 10	< 10	< 0.5	< 2	2.26	34	55	5.03	< 10	< 1	0.06	< 10	1.60
B410723	< 0.2	< 0.5	159	749	< 1	66	< 2	51	2.12	34	< 10	< 10	< 0.5	< 2	3.40	35	212	5.15	< 10	< 1	0.04	12	1.90
B410724	0.2	< 0.5	182	838	< 1	53	< 2	57	2.17	31	< 10	< 10	< 0.5	< 2	3.25	39	101	5.79	< 10	2	0.06	< 10	1.73
B410725	< 0.2	< 0.5	155	841	3	45	< 2	59	1.85	36	< 10	< 10	< 0.5	< 2	3.05	40	71	5.63	< 10	< 1	0.09	< 10	1.63
B410726	< 0.2	< 0.5	216	778	< 1	41	< 2	50	1.63	41	< 10	< 10	< 0.5	< 2	3.15	39	61	5.07	< 10	< 1	0.09	< 10	1.53
B410727	0.2	< 0.5	259	765	3	40	< 2	48	1.44	39	< 10	12	< 0.5	< 2	2.84	40	57	4.89	< 10	< 1	0.09	< 10	1.41
B410728	< 0.2	< 0.5	240	842	< 1	43	< 2	56	1.64	34	< 10	< 10	< 0.5	< 2	3.18	38	59	5.55	< 10	2	0.11	< 10	1.52
B410729	< 0.2	< 0.5	230	828	< 1	45	< 2	64	1.85	38	< 10	< 10	< 0.5	< 2	3.85	38	68	5.65	< 10	2	0.09	< 10	1.60
B410730	< 0.2	< 0.5	2	99	< 1	< 1	< 2	5	0.07	< 2	< 10	< 10	< 0.5	< 2	0.02	< 1	9	0.91	< 10	< 1	0.01	< 10	0.01
B410731	0.2	< 0.5	329	897	< 1	40	< 2	73	2.08	32	< 10	12	< 0.5	< 2	3.12	39	35	6.28	< 10	2	0.10	< 10	1.61
B410732	0.2	< 0.5	269	835	3	35	< 2	64	1.71	33	< 10	10	< 0.5	< 2	2.92	37	24	5.90	< 10	2	0.09	< 10	1.39
B410733	0.6	< 0.5	488	889	1	52	< 2	65	1.92	35	< 10	< 10	< 0.5	< 2	3.47	37	45	5.92	< 10	2	0.06	< 10	1.67
B410734	< 0.2	< 0.5	190	806	< 1	51	< 2	64	1.87	42	< 10	< 10	< 0.5	< 2	2.63	40	76	5.60	< 10	1	0.05	< 10	1.74
B410735	< 0.2	< 0.5	86	808	< 1	40	< 2	61	1.86	42	< 10	< 10	< 0.5	< 2	3.24	37	59	5.70	< 10	2	0.07	< 10	1.63
B410736	< 0.2	< 0.5	94	829	< 1	41	< 2	54	1.82	38	< 10	< 10	< 0.5	< 2	3.54	37	60	5.54	< 10	< 1	0.06	< 10	1.63
B410737	< 0.2	< 0.5	148	802	< 1	43	< 2	60	1.86	37	< 10	< 10	< 0.5	< 2	2.63	37	56	6.11	< 10	3	0.07	< 10	1.61
B410738	0.4	< 0.5	231	812	1	49	< 2	62	1.84	20	< 10	26	< 0.5	< 2	2.96	36	69	5.95	< 10	1	0.12	< 10	1.64
B410739	0.5	< 0.5	249	771	< 1	86	< 2	68	1.96	14	< 10	124	< 0.5	< 2	2.85	40	114	6.31	< 10	< 1	0.44	< 10	1.71
B410740	0.3	< 0.5	77	1330	1	112	2	72	1.70	1020	< 10	58	< 0.5	< 2	1.74	30	47	6.15	< 10	1	0.08	14	2.29
B410741	0.6	< 0.5	293	892	3	45	< 2	70	2.61	145	< 10	48	< 0.5	< 2	2.64	40	33	7.33	< 10	2	0.17	< 10	1.97
B410742	0.4	< 0.5	226	1000	2	47	< 2	70	2.69	168	< 10	< 10	< 0.5	< 2	3.01	35	46	7.56	< 10	1	0.06	< 10	1.87
B410743	0.9	< 0.5	241	848	< 1	44	< 2	71	2.06	10	< 10	< 10	< 0.5	< 2	3.00	33	45	6.31	< 10	1	0.06	< 10	1.60
B410744	1.0	< 0.5	259	933	1	57	< 2	76	2.34	8	< 10	21	< 0.5	< 2	3.21	37	69	6.63	< 10	3	0.09	< 10	1.84
B410745	0.3	< 0.5	264	780	2	75	< 2	61	2.50	5	< 10	93	< 0.5	< 2	2.21	45	86	7.22	< 10	< 1	0.30	< 10	2.06
B410746	0.3	< 0.5	171	680	55	72	< 2	51	2.37	24	< 10	19	< 0.5	< 2	2.20	41	76	5.75	< 10	1	0.08	< 10	2.10
B410747	0.5	< 0.5	213	580	4	58	< 2	40	2.13	12	< 10	< 10	< 0.5	< 2	2.37	39	59	5.91	< 10	2	0.06	< 10	1.84
B410748	1.1	< 0.5	303	669	< 1	52	< 2	51	2.03	82	< 10	11	< 0.5	< 2	2.79	41	42	6.42	< 10	2	0.07	< 10	1.91
B410749	0.6	< 0.5	289	539	< 1	88	< 2	52	2.09	8	< 10	44	< 0.5	< 2	1.79	43	96	6.17	< 10	1	0.30	< 10	1.86
B410750	< 0.2	< 0.5	2	89	< 1	< 1	< 2	5	0.07	< 2	< 10	< 10	< 0.5	< 2	0.02	< 1	8	0.77	< 10	< 1	0.01	< 10	0.02
B410751	0.7	< 0.5	96	722	1	67	< 2	57	2.61	13	< 10	44	< 0.5	< 2	1.84	30	221	5.19	< 10	2	0.18	< 10	2.55
B410752	0.6	< 0.5	108	539	2	141	< 2	62	2.62	16	< 10	145	< 0.5	< 2	1.81	39	466	4.83	< 10	< 1	1.06	49	3.10
B410753	< 0.2	< 0.5	23	429	< 1	202	3	48	2.28	20	< 10	379	< 0.5	< 2	2.26	32	678	3.43	< 10	< 1	1.99	67	3.04
B410754	< 0.2	< 0.5	49	419	< 1	204	< 2	50	2.43	4	< 10	342	< 0.5	< 2	1.43	29	487	3.48	< 10	< 1	1.21	20	3.04
B410755	< 0.2	< 0.5	11	337	< 1	86	< 2	36	1.25	3	< 10	149	< 0.5	< 2	0.92	19	310	2.13	< 10	< 1	0.55	< 10	1.70

## Results

## Activation Laboratories Ltd.

## Report: A21-08952

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2		0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B410756	< 0.2	< 0.5	10	352	< 1	89	< 2	38	1.34	3	< 10	158	< 0.5	< 2	0.94	21	320	2.26	< 10	< 1	0.59	< 10	1.79
B410757	< 0.2	< 0.5	35	394	< 1	169	< 2	60	1.92	6	< 10	755	< 0.5	< 2	1.64	25	628	2.76	< 10	< 1	1.21	56	2.54
B410758	< 0.2	< 0.5	31	407	< 1	179	< 2	54	1.76	8	< 10	990	< 0.5	< 2	2.24	24	672	2.68	< 10	< 1	1.25	85	2.49
B410759	< 0.2	< 0.5	78	490	< 1	213	3	63	1.92	7	< 10	412	< 0.5	< 2	3.01	27	532	2.93	< 10	< 1	1.00	71	2.57
B410760	0.2	< 0.5	49	568	< 1	116	9	89	2.02	11	< 10	67	0.6	< 2	1.11	34	61	5.07	< 10	< 1	0.14	16	1.68
B410761	< 0.2	< 0.5	73	574	< 1	215	3	54	2.07	5	< 10	155	< 0.5	< 2	3.77	31	372	3.38	< 10	< 1	0.52	62	2.61
B410762	0.6	< 0.5	171	597	20	65	< 2	56	1.96	< 2	< 10	12	< 0.5	< 2	1.83	31	65	5.37	< 10	< 1	0.07	< 10	2.06
B410763	0.7	< 0.5	206	664	5	110	< 2	63	2.34	4	< 10	25	< 0.5	< 2	2.33	35	181	5.22	< 10	< 1	0.11	< 10	2.37
B410764	< 0.2	< 0.5	2	428	< 1	153	< 2	54	1.84	6	< 10	95	< 0.5	< 2	1.12	24	463	2.83	< 10	< 1	0.36	11	2.33
B410765	< 0.2	< 0.5	1	441	< 1	165	< 2	56	1.91	9	< 10	116	< 0.5	< 2	1.22	26	490	2.93	< 10	< 1	0.47	< 10	2.39
B410766	0.4	< 0.5	112	543	4	99	< 2	67	2.71	26	< 10	273	< 0.5	< 2	1.27	43	160	5.98	< 10	2	1.30	< 10	2.71
B410767	4.4	7.5	1210	566	44	428	4	1510	3.01	497	< 10	29	< 0.5	< 2	0.69	100	399	7.01	10	2	0.52	17	2.18
B410768	1.3	< 0.5	325	510	27	125	< 2	72	3.15	252	< 10	103	< 0.5	< 2	1.44	42	110	5.08	< 10	2	0.98	12	1.86
B410769	3.5	< 0.5	949	1020	26	149	5	146	3.31	2	< 10	64	< 0.5	< 2	3.22	50	228	7.75	< 10	3	1.25	< 10	1.98
B410770	< 0.2	< 0.5	2	62	< 1	2	< 2	5	0.07	< 2	< 10	11	< 0.5	< 2	0.04	< 1	12	0.51	< 10	< 1	0.02	< 10	0.02
B410771	1.2	< 0.5	64	467	< 1	139	< 2	41	2.05	2	< 10	106	< 0.5	< 2	2.94	23	426	2.74	< 10	< 1	1.00	< 10	2.33
B410772	0.9	< 0.5	64	452	2	132	4	35	2.63	4	< 10	146	< 0.5	< 2	2.38	29	372	3.18	< 10	< 1	1.18	< 10	2.01
B410773	0.5	< 0.5	48	387	2	111	< 2	31	2.39	3	< 10	180	< 0.5	< 2	1.86	26	317	2.86	< 10	< 1	0.79	< 10	1.74
B410774	1.0	< 0.5	90	1400	2	31	< 2	60	1.14	4	< 10	37	< 0.5	< 2	9.34	11	54	4.45	< 10	< 1	0.37	< 10	3.11
B410775	0.6	< 0.5	49	1160	3	42	2	43	0.99	5	< 10	45	< 0.5	3	8.65	9	90	3.04	< 10	< 1	0.27	< 10	3.66
B410776	0.6	0.5	53	1190	3	39	3	43	0.98	6	< 10	33	< 0.5	2	8.70	10	83	3.14	< 10	< 1	0.21	< 10	3.52
B410777	0.5	0.8	33	964	3	148	3	147	1.54	17	< 10	146	< 0.5	< 2	6.87	20	391	3.55	< 10	< 1	0.90	16	3.48
B410778	1.6	1.6	52	379	6	119	3	289	1.23	75	< 10	38	< 0.5	< 2	2.69	28	290	2.99	< 10	< 1	0.67	13	1.73
B410779	1.5	< 0.5	9	1290	< 1	5	< 2	26	0.33	23	< 10	11	< 0.5	2	> 10.0	2	13	2.01	< 10	< 1	0.10	< 10	5.71
B410780	1.4	< 0.5	123	601	4	149	27	63	2.90	52	16	39	< 0.5	< 2	2.81	30	424	4.33	< 10	< 1	0.19	< 10	3.05
B410781	2.1	< 0.5	120	942	< 1	49	3	52	1.53	52	< 10	65	< 0.5	< 2	7.05	32	51	5.04	< 10	< 1	0.49	< 10	3.84
B410782	0.9	< 0.5	51	557	< 1	132	< 2	58	2.84	17	< 10	90	< 0.5	3	1.28	37	324	5.37	< 10	2	1.32	< 10	2.21
B410783	2.9	< 0.5	129	786	< 1	76	< 2	48	2.26	5	< 10	44	< 0.5	< 2	4.29	32	94	5.21	< 10	2	0.61	< 10	1.99
B410784	1.9	< 0.5	131	701	3	79	< 2	52	2.34	6	< 10	46	< 0.5	< 2	1.98	39	105	6.53	< 10	2	0.86	< 10	1.93
B410785	2.4	< 0.5	96	677	< 1	149	3	42	2.18	18	< 10	36	< 0.5	< 2	3.77	57	290	5.01	< 10	< 1	0.25	16	2.53
B410786	0.8	< 0.5	14	506	< 1	335	3	56	2.49	10	< 10	277	< 0.5	< 2	3.07	28	740	3.11	< 10	< 1	0.92	37	3.46
B410787	1.2	< 0.5	58	525	< 1	239	5	48	2.44	9	< 10	119	< 0.5	< 2	3.33	34	462	3.60	< 10	< 1	0.65	21	2.70
B410788	1.0	< 0.5	61	555	< 1	174	< 2	43	2.10	2	< 10	123	< 0.5	< 2	3.68	29	350	3.35	< 10	< 1	0.61	14	2.63
B410789	1.5	< 0.5	129	629	4	127	< 2	38	2.25	< 2	< 10	76	< 0.5	< 2	3.91	39	196	5.10	< 10	< 1	1.10	< 10	1.89
B410790	< 0.2	< 0.5	1	59	< 1	< 1	< 2	4	0.05	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	8	0.59	< 10	< 1	< 0.01	< 10	< 0.01
B410791	1.0	< 0.5	157	674	3	80	7	40	2.33	4	< 10	103	< 0.5	< 2	4.32	37	122	5.34	< 10	< 1	0.91	< 10	1.86
B410792	0.5	< 0.5	45	494	< 1	150	< 2	27	1.39	4	< 10	92	< 0.5	< 2	5.11	24	273	2.35	< 10	< 1	0.60	< 10	1.85
B410793	0.3	< 0.5	76	555	< 1	75	< 2	61	3.28	9	< 10	112	< 0.5	< 2	1.63	29	115	4.94	< 10	3	1.19	15	1.98
B410794	0.6	< 0.5	206	666	12	101	< 2	56	4.55	6	< 10	87	< 0.5	2	1.97	44	122	7.53	< 10	3	1.53	< 10	2.47
B410795	0.9	< 0.5	152	767	2	91	< 2	78	4.07	7	< 10	82	< 0.5	3	2.45	46	109	6.74	< 10	1	1.38	< 10	2.12
B410796	1.1	< 0.5	169	797	< 1	94	4	79	4.10	8	< 10	81	< 0.5	< 2	2.56	48	109	6.90	< 10	2	1.36	< 10	2.18
B410797	0.9	< 0.5	102	601	< 1	137	< 2	49	2.79	11	< 10	101	< 0.5	< 2	2.90	39	269	4.25	< 10	< 1	0.98	36	2.14
B410798	0.9	< 0.5	189	576	5	93	< 2	61	3.37	3	< 10	131	< 0.5	< 2	2.22	37	173	5.11	< 10	< 1	1.41	17	2.19
B410799	< 0.2	< 0.5	4	396	< 1	189	3	42	2.12	6	< 10	86	< 0.5	< 2	1.57	21	509	2.60	< 10	< 1	0.83	41	2.14
B410800	0.3	0.7	72	1260	1	108	3	68	1.69	971	< 10	58	< 0.5	< 2	1.69	29	45	5.82	< 10	< 1	0.08	12	2.17
B410801	1.5	< 0.5	159	873	5	81	< 2	62	3.75	4	< 10	73	< 0.5	< 2	3.01	43	121	6.90	< 10	1	2.11	< 10	2.60
B410802	1.5	< 0.5	121	581	1	91	2	58	3.39	4	< 10	59	< 0.5	< 2	1.41	39	113	6.61	< 10	1	1.50	< 10	2.50
B410803	0.8	< 0.5	66	610	1	131	< 2	54	2.94	14	< 10	117	< 0.5	< 2	2.41	33	244	4.87	< 10	< 1	1.48	28	2.47
B410804	0.8	< 0.5	97	673	4	145	< 2	58	2.46	5	< 10	130	< 0.5	3	2.52	33	308	4.79	< 10	< 1	1.28	34	2.32
B410805	0.7	0.5	81	672	1	145	< 2	52	2.58	5	< 10	196	< 0.5	2	2.51	33	339	4.77	< 10	< 1	1.19	42	2.48
B410806	< 0.2	< 0.5	32	239	< 1	29	< 2	19	0.69	< 2	< 10	25	< 0.5	2	1.68	8	41	1.48	< 10	< 1	0.14	22	0.80

## Results

## Activation Laboratories Ltd.

## Report: A21-08952

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B410807	1.1	< 0.5	80	662	2	168	5	48	2.01	2	< 10	58	< 0.5	< 2	4.43	33	329	4.26	< 10	< 1	0.38	26	2.66
B410808	8.5	< 0.5	329	697	15	41	4	34	1.44	5	< 10	25	< 0.5	< 2	2.50	41	17	6.28	< 10	< 1	0.14	< 10	1.54
B410809	0.6	< 0.5	95	644	222	99	< 2	53	2.58	< 2	< 10	50	< 0.5	< 2	2.07	35	228	5.24	< 10	3	0.19	< 10	2.61
B410810	< 0.2	< 0.5	1	61	< 1	1	< 2	4	0.06	< 2	< 10	< 10	< 0.5	< 2	0.01	< 1	8	0.51	< 10	< 1	< 0.01	< 10	< 0.01
B410811	0.7	< 0.5	80	547	37	196	3	39	2.27	< 2	< 10	87	< 0.5	< 2	2.98	33	483	3.98	< 10	< 1	0.43	18	2.98
B410812	1.2	< 0.5	165	656	14	155	2	33	1.84	2	< 10	31	< 0.5	< 2	3.78	40	349	5.26	< 10	< 1	0.28	15	2.30
B410813	0.8	< 0.5	118	710	17	35	< 2	40	2.21	2	< 10	50	< 0.5	< 2	2.16	39	26	6.18	< 10	2	0.81	< 10	1.94
B410814	0.5	< 0.5	97	721	14	24	< 2	43	2.09	3	< 10	23	< 0.5	< 2	2.53	35	11	5.91	< 10	1	0.19	< 10	1.81
B410815	0.6	< 0.5	124	555	14	17	< 2	40	1.68	2	< 10	89	< 0.5	< 2	1.75	27	9	4.21	< 10	< 1	0.44	15	1.44
B410816	0.6	< 0.5	136	526	10	15	2	39	1.62	2	< 10	94	< 0.5	< 2	1.67	23	8	3.87	< 10	< 1	0.43	15	1.34
B410817	0.6	< 0.5	48	554	2	23	< 2	49	1.82	2	< 10	169	< 0.5	< 2	2.14	21	19	3.56	< 10	< 1	0.75	15	1.46
B410818	< 0.2	< 0.5	93	598	8	30	< 2	49	1.55	< 2	< 10	73	< 0.5	< 2	2.56	27	40	4.73	< 10	< 1	0.42	< 10	1.66
B410819	0.7	< 0.5	161	519	20	79	< 2	42	1.81	10	13	50	< 0.5	< 2	1.99	43	79	4.20	< 10	< 1	0.32	< 10	2.25
B410821	< 0.2	< 0.5	41	607	< 1	217	< 2	58	2.64	15	< 10	249	< 0.5	< 2	3.30	26	493	3.44	< 10	< 1	1.28	72	3.23
B410822	< 0.2	< 0.5	24	394	< 1	214	5	46	2.11	14	< 10	252	< 0.5	< 2	2.00	24	553	2.76	< 10	< 1	1.25	64	2.77
B410823	< 0.2	< 0.5	26	477	5	226	3	50	2.80	17	< 10	173	< 0.5	< 2	2.55	32	542	3.20	< 10	< 1	1.05	55	3.14
B410824	0.4	< 0.5	212	385	< 1	56	2	30	1.45	7	< 10	43	< 0.5	< 2	1.63	27	52	3.47	< 10	< 1	0.17	18	1.19
B410825	0.4	< 0.5	166	620	47	120	< 2	48	2.27	17	< 10	61	< 0.5	< 2	3.05	52	255	4.34	< 10	< 1	0.50	39	2.39
B410826	0.4	< 0.5	40	664	53	263	3	67	3.30	25	< 10	79	< 0.5	< 2	3.20	39	626	4.19	< 10	< 1	1.58	36	3.83
B410827	0.2	< 0.5	29	408	6	188	< 2	42	2.21	28	< 10	275	< 0.5	< 2	2.19	27	623	2.75	< 10	< 1	1.35	65	2.68
B410828	1.6	< 0.5	36	354	< 1	218	4	47	2.30	18	< 10	434	< 0.5	< 2	1.37	30	761	3.12	< 10	< 1	1.83	71	3.02
B410829	0.3	< 0.5	110	414	110	119	< 2	32	1.83	28	< 10	93	< 0.5	< 2	1.72	41	292	3.49	< 10	< 1	0.58	15	2.03
B410830	< 0.2	< 0.5	2	59	< 1	1	< 2	4	0.07	< 2	< 10	< 10	< 0.5	< 2	0.01	< 1	8	0.56	< 10	< 1	0.01	< 10	< 0.01
B410831	0.5	< 0.5	122	459	89	50	< 2	30	1.77	21	< 10	51	< 0.5	< 2	1.87	36	42	3.82	< 10	< 1	0.23	< 10	1.32
B410832	0.2	< 0.5	69	488	59	30	< 2	33	1.46	9	< 10	35	< 0.5	< 2	1.94	30	35	4.80	< 10	< 1	0.13	< 10	1.20
B410833	< 0.2	< 0.5	31	496	59	30	< 2	34	1.24	7	< 10	22	< 0.5	< 2	1.69	21	45	4.70	< 10	< 1	0.19	< 10	1.29
B410834	< 0.2	< 0.5	10	369	50	30	< 2	26	1.05	7	< 10	40	0.5	< 2	1.02	19	46	3.02	< 10	< 1	0.45	< 10	1.15
B410835	< 0.2	< 0.5	9	478	17	47	< 2	38	1.53	4	< 10	60	0.8	< 2	1.12	26	76	3.84	< 10	< 1	0.93	< 10	1.78
B410836	< 0.2	< 0.5	4	480	10	50	< 2	39	1.56	4	< 10	64	0.8	< 2	1.09	28	78	3.89	< 10	< 1	0.98	< 10	1.81
B410837	< 0.2	< 0.5	62	353	45	29	< 2	21	0.92	6	< 10	13	< 0.5	< 2	1.49	18	45	3.47	< 10	< 1	0.17	15	1.02
B410838	< 0.2	< 0.5	54	268	93	6	< 2	15	0.84	4	< 10	< 10	< 0.5	< 2	1.48	14	3	3.62	< 10	< 1	0.07	15	0.46
B410839	0.2	< 0.5	108	336	< 1	9	< 2	19	1.01	3	< 10	< 10	< 0.5	< 2	1.58	19	3	3.87	< 10	< 1	0.06	14	0.68
B410840	0.2	< 0.5	47	552	< 1	114	9	87	2.06	11	< 10	66	0.6	< 2	1.12	34	60	4.98	< 10	< 1	0.13	16	1.65
B410841	0.2	< 0.5	76	407	< 1	16	< 2	24	2.02	6	< 10	< 10	< 0.5	< 2	2.37	19	8	3.69	< 10	< 1	0.06	14	1.07
B410842	0.2	< 0.5	61	388	< 1	43	< 2	25	2.80	20	< 10	< 10	< 0.5	< 2	2.20	81	46	3.19	< 10	< 1	0.10	< 10	1.31

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B410603	0.126	0.046	1.14	3	14	6	0.21	< 20	3	< 2	< 10	241	< 10	16	16
B410604	0.186	0.049	0.95	4	11	16	0.25	< 20	< 1	< 2	< 10	199	< 10	14	16
B410605	0.148	0.043	1.28	10	15	13	0.16	< 20	< 1	< 2	< 10	195	< 10	13	16
B410606	0.042	0.043	0.44	6	29	8	0.11	< 20	2	< 2	< 10	263	< 10	14	10
B410607	0.140	0.035	0.01	4	8	47	0.14	< 20	< 1	< 2	< 10	97	< 10	7	5
B410608	0.158	0.032	0.72	3	10	23	0.09	< 20	< 1	< 2	< 10	114	< 10	7	8
B410609	0.128	0.039	0.09	4	11	30	0.12	< 20	1	< 2	< 10	136	< 10	7	8
B410610	0.014	0.001	< 0.01	< 2	< 1	1	< 0.01	< 20	< 1	< 2	< 10	1	< 10	< 1	3
B410611	0.029	0.040	0.57	7	24	5	0.13	< 20	< 1	< 2	< 10	258	< 10	9	14
B410612	0.024	0.032	0.55	12	26	2	0.09	< 20	< 1	< 2	< 10	230	< 10	7	12
B410613	0.054	0.011	0.86	8	13	7	0.08	< 20	4	< 2	< 10	127	< 10	6	9
B410614	0.056	0.026	1.45	9	17	4	0.12	< 20	< 1	< 2	< 10	167	< 10	6	13
B410615	0.064	0.023	0.57	5	6	40	0.13	< 20	< 1	< 2	< 10	84	< 10	4	8
B410616	0.067	0.023	0.45	3	6	40	0.14	< 20	< 1	< 2	< 10	78	< 10	4	8
B410617	0.122	0.026	0.10	< 2	6	59	0.20	< 20	1	4	< 10	78	< 10	4	8
B410618	0.153	0.029	0.11	< 2	5	65	0.22	< 20	6	< 2	< 10	84	< 10	4	6
B410619	0.127	0.030	0.20	< 2	5	44	0.16	< 20	1	< 2	< 10	65	< 10	4	6
B410620	0.330	0.152	0.82	3	4	97	0.13	< 20	1	< 2	< 10	46	< 10	11	4
B410621	0.146	0.029	0.06	2	7	18	0.16	< 20	3	< 2	< 10	64	< 10	6	5
B410622	0.148	0.030	0.12	2	7	22	0.18	< 20	1	< 2	< 10	65	< 10	6	4
B410623	0.165	0.029	0.17	< 2	8	25	0.18	< 20	3	< 2	< 10	75	< 10	7	5
B410624	0.183	0.032	0.14	3	9	21	0.20	< 20	4	< 2	< 10	83	< 10	7	6
B410625	0.177	0.031	0.11	3	9	27	0.21	< 20	4	< 2	< 10	82	< 10	8	5
B410626	0.179	0.033	0.21	2	9	24	0.20	< 20	1	< 2	< 10	85	< 10	6	7
B410627	0.174	0.031	0.16	2	8	23	0.19	< 20	2	< 2	< 10	81	< 10	7	6
B410628	0.159	0.028	0.34	< 2	8	25	0.19	< 20	< 1	< 2	< 10	81	< 10	6	5
B410629	0.165	0.030	0.59	3	8	27	0.21	< 20	3	< 2	< 10	89	< 10	6	7
B410630	0.016	0.002	< 0.01	< 2	< 1	2	< 0.01	< 20	< 1	< 2	< 10	1	< 10	< 1	3
B410631	0.184	0.031	0.12	2	9	26	0.22	< 20	2	< 2	< 10	83	< 10	8	4
B410632	0.198	0.030	0.21	< 2	10	30	0.23	< 20	5	< 2	< 10	90	< 10	8	4
B410633	0.179	0.030	0.12	< 2	8	19	0.26	< 20	5	< 2	< 10	75	< 10	9	4
B410634	0.182	0.031	0.13	3	8	23	0.21	< 20	3	< 2	< 10	79	< 10	7	5
B410635	0.180	0.029	0.13	2	8	19	0.24	< 20	3	< 2	< 10	79	< 10	8	4
B410636	0.167	0.029	0.14	3	8	17	0.23	< 20	5	< 2	< 10	73	< 10	8	4
B410637	0.161	0.027	0.14	3	9	31	0.22	< 20	7	< 2	< 10	82	< 10	7	4
B410638	0.130	0.026	0.08	< 2	8	25	0.19	< 20	4	< 2	< 10	69	< 10	6	4
B410639	0.128	0.026	0.12	2	7	31	0.20	< 20	1	< 2	< 10	76	< 10	5	5
B410640	0.328	0.090	0.02	< 2	5	97	0.20	< 20	5	< 2	< 10	48	< 10	11	4
B410641	0.170	0.031	0.13	< 2	7	42	0.18	< 20	< 1	< 2	< 10	89	< 10	6	5
B410642	0.195	0.032	0.12	2	7	35	0.17	< 20	2	< 2	< 10	90	< 10	6	6
B410643	0.193	0.031	0.10	3	7	37	0.19	< 20	< 1	< 2	< 10	90	< 10	6	6
B410644	0.222	0.032	0.18	3	9	50	0.20	< 20	< 1	< 2	< 10	98	< 10	6	6
B410645	0.207	0.032	0.11	3	7	32	0.22	< 20	2	< 2	< 10	103	< 10	6	7
B410646	0.181	0.031	1.05	4	8	29	0.19	< 20	2	< 2	< 10	106	< 10	6	9
B410647	0.212	0.034	0.34	< 2	10	34	0.22	< 20	3	< 2	< 10	105	< 10	6	7
B410648	0.251	0.035	0.98	3	12	37	0.21	< 20	< 1	< 2	< 10	106	< 10	7	8
B410649	0.091	0.034	1.86	5	15	10	0.18	< 20	< 1	< 2	< 10	163	< 10	7	11
B410650	0.015	0.002	< 0.01	< 2	< 1	1	< 0.01	< 20	< 1	< 2	< 10	1	< 10	< 1	3
B410651	0.104	0.029	2.49	4	10	21	0.19	< 20	< 1	< 2	< 10	97	< 10	6	10
B410652	0.140	0.035	1.16	3	12	12	0.20	< 20	< 1	< 2	< 10	144	< 10	7	8
B410653	0.130	0.036	1.01	4	11	18	0.21	< 20	2	< 2	< 10	124	< 10	7	8

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	10	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B410654	0.108	0.028	1.17	2	7	29	0.22	< 20	3	< 2	< 10	87	< 10	5	8
B410655	0.119	0.028	0.56	3	7	33	0.22	< 20	< 1	< 2	< 10	82	< 10	5	7
B410656	0.121	0.029	0.59	2	6	33	0.21	< 20	< 1	< 2	< 10	76	< 10	4	7
B410657	0.090	0.025	1.33	4	9	32	0.22	< 20	< 1	< 2	< 10	97	< 10	5	8
B410658	0.213	0.035	0.76	3	8	32	0.20	< 20	2	< 2	< 10	109	< 10	7	7
B410659	0.209	0.035	0.10	< 2	7	33	0.19	< 20	2	< 2	< 10	100	< 10	7	5
B410660	0.066	0.029	0.72	< 2	10	46	0.23	< 20	< 1	< 2	< 10	111	< 10	8	13
B410661	0.164	0.035	0.15	3	7	54	0.29	< 20	3	< 2	< 10	117	< 10	7	7
B410662	0.133	0.028	0.19	2	7	34	0.29	< 20	1	< 2	< 10	112	< 10	6	6
B410663	0.120	0.029	0.54	< 2	4	66	0.24	< 20	3	< 2	< 10	106	< 10	5	8
B410664	0.099	0.029	0.64	3	3	90	0.22	< 20	3	< 2	< 10	107	< 10	5	8
B410665	0.147	0.034	0.32	< 2	5	66	0.22	< 20	1	< 2	< 10	110	< 10	5	8
B410666	0.161	0.032	0.16	2	6	70	0.19	< 20	4	< 2	< 10	112	< 10	5	8
B410667	0.177	0.034	0.16	< 2	5	50	0.18	< 20	3	< 2	< 10	108	< 10	4	8
B410668	0.170	0.032	0.15	< 2	5	63	0.18	< 20	4	< 2	< 10	102	< 10	5	8
B410669	0.143	0.031	0.19	< 2	5	94	0.21	< 20	3	< 2	< 10	95	< 10	5	8
B410670	0.015	0.002	< 0.01	< 2	< 1	2	< 0.01	< 20	< 1	< 2	< 10	2	< 10	< 1	3
B410671	0.160	0.035	0.23	3	6	81	0.21	< 20	4	< 2	< 10	125	< 10	6	9
B410672	0.174	0.034	0.13	< 2	6	61	0.20	< 20	5	< 2	< 10	112	< 10	6	8
B410673	0.138	0.065	0.15	< 2	6	86	0.17	< 20	1	< 2	< 10	96	< 10	6	11
B410674	0.138	0.076	0.42	3	9	51	0.17	< 20	< 1	< 2	< 10	131	< 10	7	11
B410675	0.212	0.034	0.25	< 2	9	37	0.18	< 20	3	< 2	< 10	100	< 10	7	8
B410676	0.216	0.036	0.21	< 2	8	35	0.19	< 20	3	< 2	< 10	98	< 10	6	9
B410677	0.174	0.033	0.25	< 2	8	48	0.17	< 20	4	< 2	< 10	92	< 10	6	7
B410678	0.172	0.029	0.21	< 2	7	43	0.16	< 20	< 1	< 2	< 10	80	< 10	6	7
B410679	0.210	0.031	0.11	3	12	55	0.21	< 20	< 1	< 2	< 10	122	< 10	7	7
B410680	0.328	0.147	0.81	4	4	96	0.12	< 20	< 1	< 2	< 10	45	< 10	11	3
B410681	0.075	0.012	0.14	< 2	8	79	0.19	< 20	1	< 2	< 10	84	< 10	6	7
B410682	0.042	0.015	0.69	4	21	10	0.22	< 20	3	< 2	< 10	193	10	9	11
B410683	0.028	0.007	0.43	6	16	6	0.16	< 20	< 1	< 2	< 10	148	< 10	7	8
B410684	0.020	0.010	0.46	4	25	7	0.16	< 20	< 1	< 2	< 10	191	< 10	8	9
B410685	0.017	0.007	0.69	5	30	5	0.16	< 20	< 1	< 2	< 10	210	12	8	9
B410686	0.019	0.012	0.50	6	30	4	0.12	< 20	< 1	< 2	< 10	237	16	10	10
B410687	0.036	0.014	0.62	4	17	5	0.09	< 20	< 1	< 2	< 10	150	< 10	8	10
B410688	0.016	0.016	0.37	4	25	3	0.17	< 20	< 1	< 2	< 10	212	< 10	10	8
B410689	0.132	0.030	0.28	4	11	42	0.20	< 20	< 1	3	< 10	125	< 10	6	8
B410690	0.013	0.002	< 0.01	< 2	< 1	1	< 0.01	< 20	< 1	< 2	< 10	1	< 10	< 1	3
B410691	0.184	0.033	0.22	6	8	39	0.20	< 20	1	< 2	< 10	94	< 10	6	7
B410692	0.174	0.031	0.14	< 2	7	31	0.18	< 20	5	< 2	< 10	84	< 10	6	6
B410693	0.185	0.030	0.14	< 2	8	27	0.17	< 20	2	< 2	< 10	85	< 10	6	5
B410694	0.195	0.034	0.19	2	8	29	0.16	< 20	4	< 2	< 10	93	< 10	6	6
B410695	0.202	0.036	0.52	2	8	31	0.19	< 20	2	< 2	< 10	108	< 10	7	8
B410696	0.189	0.035	0.43	< 2	7	29	0.18	< 20	3	< 2	< 10	104	< 10	6	7
B410697	0.084	0.021	0.05	< 2	5	46	0.18	< 20	7	< 2	< 10	46	< 10	5	5
B410698	0.114	0.024	0.06	< 2	5	33	0.17	< 20	< 1	< 2	< 10	57	< 10	4	6
B410699	0.208	0.035	0.16	3	8	26	0.16	< 20	3	< 2	< 10	97	< 10	6	7
B410700	0.332	0.092	0.01	3	5	98	0.22	< 20	6	< 2	< 10	48	< 10	11	5
B410701	0.230	0.035	0.15	< 2	8	31	0.18	< 20	4	< 2	< 10	103	< 10	7	6
B410702	0.279	0.037	0.27	< 2	9	25	0.17	< 20	4	< 2	< 10	110	< 10	8	7
B410703	0.246	0.037	0.22	< 2	8	31	0.15	< 20	< 1	< 2	< 10	120	< 10	7	7
B410704	0.227	0.038	0.14	< 2	8	24	0.16	< 20	3	< 2	< 10	124	< 10	7	8

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	10	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B410705	0.178	0.029	0.07	3	6	60	0.20	< 20	5	< 2	< 10	94	< 10	4	7
B410706	0.155	0.031	1.22	2	7	36	0.19	< 20	2	< 2	< 10	99	< 10	5	9
B410707	0.213	0.033	0.66	< 2	7	45	0.18	< 20	1	< 2	< 10	99	< 10	6	8
B410708	0.208	0.032	0.12	< 2	7	31	0.17	< 20	5	< 2	< 10	103	< 10	6	6
B410709	0.160	0.030	0.18	< 2	7	23	0.20	< 20	2	< 2	< 10	71	< 10	7	6
B410710	0.015	0.001	< 0.01	< 2	< 1	2	< 0.01	< 20	< 1	< 2	< 10	1	< 10	< 1	3
B410711	0.201	0.032	0.16	< 2	9	31	0.24	< 20	2	< 2	< 10	91	< 10	8	5
B410712	0.215	0.033	0.15	< 2	9	24	0.25	< 20	5	< 2	< 10	95	< 10	9	5
B410713	0.187	0.032	0.12	3	8	21	0.21	< 20	5	< 2	< 10	79	< 10	7	4
B410714	0.199	0.031	0.68	2	9	22	0.22	< 20	5	< 2	< 10	91	< 10	7	5
B410715	0.238	0.036	0.10	< 2	10	24	0.19	< 20	< 1	< 2	< 10	97	< 10	8	5
B410716	0.228	0.036	0.12	< 2	9	21	0.17	< 20	4	< 2	< 10	99	< 10	7	5
B410717	0.229	0.035	0.11	< 2	9	24	0.16	< 20	5	< 2	< 10	93	< 10	7	5
B410718	0.239	0.034	0.29	< 2	9	28	0.18	< 20	< 1	< 2	< 10	96	< 10	8	6
B410719	0.218	0.034	0.14	2	8	17	0.21	< 20	6	< 2	< 10	88	< 10	7	5
B410720	0.065	0.029	0.71	< 2	9	46	0.23	< 20	2	< 2	< 10	111	< 10	8	12
B410721	0.231	0.033	0.09	< 2	8	24	0.21	< 20	< 1	< 2	< 10	88	< 10	7	5
B410722	0.218	0.036	0.11	< 2	8	16	0.20	< 20	4	< 2	< 10	95	< 10	7	5
B410723	0.147	0.031	0.10	3	8	30	0.19	< 20	< 1	< 2	< 10	98	23	8	5
B410724	0.235	0.036	0.19	< 2	9	31	0.21	< 20	< 1	< 2	< 10	110	< 10	7	5
B410725	0.266	0.036	0.10	3	10	24	0.23	< 20	1	< 2	< 10	114	< 10	8	6
B410726	0.241	0.034	0.07	2	9	25	0.22	< 20	6	< 2	< 10	103	< 10	8	6
B410727	0.261	0.035	0.09	3	9	22	0.23	< 20	2	< 2	< 10	103	< 10	9	5
B410728	0.277	0.034	0.12	< 2	10	27	0.25	< 20	4	< 2	< 10	112	< 10	9	5
B410729	0.237	0.033	0.08	3	9	33	0.23	< 20	4	< 2	< 10	111	< 10	9	4
B410730	0.014	0.002	< 0.01	< 2	< 1	2	< 0.01	< 20	< 1	< 2	< 10	2	< 10	< 1	3
B410731	0.306	0.036	0.17	3	10	22	0.21	< 20	5	< 2	< 10	123	< 10	9	6
B410732	0.297	0.037	0.13	3	10	26	0.22	< 20	3	< 2	< 10	119	< 10	9	6
B410733	0.210	0.032	0.21	4	9	33	0.20	< 20	2	< 2	< 10	101	< 10	8	5
B410734	0.222	0.039	0.11	3	10	21	0.21	< 20	< 1	< 2	< 10	114	< 10	8	6
B410735	0.262	0.039	0.07	3	11	43	0.27	< 20	3	< 2	< 10	124	< 10	10	6
B410736	0.246	0.038	0.11	2	11	50	0.30	< 20	1	< 2	< 10	123	< 10	11	6
B410737	0.257	0.039	0.11	2	11	25	0.22	< 20	3	< 2	< 10	125	< 10	10	6
B410738	0.291	0.036	0.17	2	10	26	0.22	< 20	2	< 2	< 10	119	< 10	8	6
B410739	0.220	0.057	0.61	< 2	7	41	0.21	< 20	2	< 2	< 10	125	< 10	8	9
B410740	0.334	0.154	0.83	< 2	4	98	0.12	< 20	2	< 2	< 10	45	< 10	11	4
B410741	0.273	0.041	0.36	3	11	29	0.14	< 20	2	< 2	< 10	140	< 10	8	6
B410742	0.324	0.038	0.15	< 2	13	41	0.15	< 20	< 1	< 2	< 10	149	< 10	9	5
B410743	0.307	0.037	0.13	2	10	38	0.19	< 20	4	< 2	< 10	126	< 10	9	5
B410744	0.337	0.036	0.28	2	12	33	0.20	< 20	< 1	< 2	< 10	129	< 10	9	5
B410745	0.286	0.036	0.77	3	12	23	0.21	< 20	4	< 2	< 10	127	< 10	8	8
B410746	0.280	0.036	0.45	< 2	10	48	0.18	< 20	1	< 2	< 10	112	< 10	7	9
B410747	0.281	0.038	0.87	2	9	44	0.17	< 20	5	< 2	< 10	111	< 10	8	9
B410748	0.217	0.036	1.39	< 2	9	34	0.16	< 20	< 1	< 2	< 10	115	< 10	8	9
B410749	0.221	0.038	1.59	< 2	9	47	0.21	< 20	2	< 2	< 10	108	< 10	7	11
B410750	0.015	0.001	< 0.01	< 2	< 1	2	< 0.01	< 20	< 1	< 2	< 10	2	< 10	< 1	3
B410751	0.180	0.040	0.31	3	10	47	0.19	< 20	3	< 2	< 10	111	< 10	6	8
B410752	0.080	0.224	0.45	2	7	86	0.22	< 20	1	< 2	< 10	110	< 10	8	7
B410753	0.107	0.277	0.27	4	6	163	0.25	< 20	3	< 2	< 10	77	< 10	8	5
B410754	0.131	0.130	0.14	3	5	59	0.21	< 20	< 1	< 2	< 10	87	< 10	5	12
B410755	0.136	0.043	< 0.01	< 2	6	24	0.13	< 20	4	< 2	< 10	49	< 10	4	18

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B410756	0.142	0.043	< 0.01	< 2	6	26	0.14	< 20	1	< 2	< 10	52	< 10	4	19
B410757	0.166	0.228	0.01	3	6	94	0.20	< 20	2	< 2	< 10	61	< 10	7	4
B410758	0.185	0.311	0.07	2	6	177	0.17	< 20	2	< 2	< 10	58	< 10	8	3
B410759	0.198	0.276	0.12	< 2	7	116	0.17	< 20	1	< 2	< 10	53	< 10	8	3
B410760	0.321	0.093	0.02	< 2	5	96	0.20	< 20	2	< 2	< 10	47	< 10	11	4
B410761	0.232	0.223	0.26	< 2	7	130	0.13	< 20	2	< 2	< 10	59	< 10	9	3
B410762	0.194	0.038	0.39	< 2	8	34	0.17	< 20	3	< 2	< 10	112	< 10	6	14
B410763	0.186	0.053	0.37	3	8	38	0.16	< 20	2	< 2	< 10	98	< 10	6	14
B410764	0.117	0.058	< 0.01	3	6	22	0.12	< 20	< 1	< 2	< 10	59	< 10	4	13
B410765	0.118	0.051	< 0.01	< 2	5	28	0.13	< 20	< 1	< 2	< 10	60	< 10	4	12
B410766	0.144	0.042	0.29	3	8	22	0.26	< 20	< 1	< 2	< 10	119	< 10	5	13
B410767	0.141	0.054	2.70	3	16	44	0.20	< 20	4	< 2	< 10	139	< 10	12	29
B410768	0.254	0.047	0.83	< 2	11	92	0.20	< 20	1	< 2	< 10	115	< 10	8	17
B410769	0.269	0.040	2.15	3	15	89	0.25	< 20	< 1	< 2	< 10	159	< 10	9	11
B410770	0.012	0.003	< 0.01	< 2	< 1	3	< 0.01	< 20	< 1	< 2	< 10	2	< 10	< 1	3
B410771	0.139	0.032	0.09	3	6	62	0.15	< 20	1	< 2	< 10	57	< 10	5	12
B410772	0.229	0.027	0.30	2	6	122	0.21	< 20	2	< 2	< 10	78	< 10	6	13
B410773	0.248	0.032	0.28	< 2	6	118	0.18	< 20	2	< 2	< 10	68	< 10	6	12
B410774	0.030	0.017	1.29	< 2	2	172	0.05	< 20	< 1	< 2	< 10	34	< 10	4	4
B410775	0.095	0.013	0.45	< 2	2	159	0.06	< 20	< 1	< 2	< 10	23	< 10	4	6
B410776	0.102	0.012	0.48	< 2	2	170	0.06	< 20	< 1	< 2	< 10	23	< 10	4	5
B410777	0.069	0.077	0.84	2	3	201	0.11	< 20	3	< 2	< 10	38	< 10	4	9
B410778	0.077	0.057	1.53	2	6	133	0.13	< 20	< 1	< 2	< 10	63	< 10	4	10
B410779	0.014	0.002	0.09	< 2	2	115	0.01	< 20	2	< 2	< 10	10	< 10	2	< 1
B410780	0.063	0.028	0.70	3	9	45	0.23	< 20	4	< 2	< 10	108	< 10	8	14
B410781	0.101	0.022	2.75	2	6	103	0.16	< 20	4	< 2	< 10	73	< 10	5	5
B410782	0.162	0.046	0.95	3	10	39	0.27	< 20	1	< 2	< 10	130	< 10	7	9
B410783	0.143	0.037	1.79	< 2	10	57	0.24	< 20	4	< 2	< 10	111	< 10	8	7
B410784	0.178	0.035	1.55	< 2	14	44	0.26	< 20	< 1	< 2	< 10	150	32	8	11
B410785	0.251	0.065	1.93	< 2	8	138	0.18	< 20	1	< 2	< 10	76	15	6	15
B410786	0.200	0.145	0.08	4	6	127	0.16	< 20	1	< 2	< 10	55	< 10	6	4
B410787	0.263	0.112	0.51	< 2	8	155	0.18	< 20	2	< 2	< 10	75	< 10	6	13
B410788	0.257	0.046	0.31	< 2	8	84	0.14	< 20	3	< 2	< 10	67	< 10	5	16
B410789	0.186	0.037	1.34	< 2	9	102	0.24	< 20	< 1	< 2	< 10	122	< 10	7	14
B410790	0.012	0.001	< 0.01	< 2	< 1	1	< 0.01	< 20	< 1	< 2	< 10	1	< 10	< 1	3
B410791	0.218	0.024	1.05	< 2	10	115	0.25	< 20	2	< 2	< 10	125	< 10	8	12
B410792	0.128	0.014	0.28	< 2	5	179	0.10	< 20	3	< 2	< 10	49	< 10	4	16
B410793	0.299	0.066	0.35	< 2	11	80	0.22	< 20	2	< 2	< 10	114	< 10	9	12
B410794	0.347	0.044	1.18	< 2	15	121	0.26	< 20	< 1	< 2	< 10	153	< 10	10	9
B410795	0.341	0.037	1.30	3	12	130	0.28	< 20	6	< 2	< 10	150	< 10	10	6
B410796	0.350	0.036	1.37	4	13	132	0.29	< 20	3	< 2	< 10	153	< 10	10	6
B410797	0.263	0.149	0.87	< 2	7	133	0.23	< 20	2	< 2	< 10	94	< 10	9	15
B410798	0.274	0.080	0.71	< 2	10	138	0.27	< 20	4	< 2	< 10	127	< 10	8	10
B410799	0.175	0.160	0.02	2	6	134	0.17	< 20	1	< 2	< 10	55	< 10	7	3
B410800	0.330	0.141	0.79	3	4	97	0.11	< 20	< 1	< 2	< 10	43	< 10	11	3
B410801	0.164	0.030	1.59	3	11	89	0.30	< 20	6	< 2	< 10	177	< 10	9	5
B410802	0.119	0.039	1.51	2	10	64	0.32	< 20	4	< 2	< 10	151	< 10	9	6
B410803	0.087	0.119	0.66	< 2	8	72	0.28	< 20	3	< 2	< 10	116	< 10	8	14
B410804	0.108	0.142	0.29	< 2	9	80	0.29	< 20	3	< 2	< 10	128	< 10	9	11
B410805	0.109	0.162	0.31	2	9	83	0.27	< 20	< 1	< 2	< 10	121	< 10	10	8
B410806	0.134	0.101	0.15	< 2	2	66	0.08	< 20	3	< 2	< 10	18	< 10	4	3

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B410807	0.126	0.127	0.69	3	8	128	0.10	< 20	1	< 2	< 10	86	< 10	6	4
B410808	0.114	0.061	2.58	< 2	11	40	0.15	< 20	< 1	< 2	< 10	132	< 10	7	21
B410809	0.221	0.070	0.26	2	14	43	0.11	< 20	< 1	< 2	< 10	130	< 10	7	13
B410810	0.012	0.001	< 0.01	< 2	< 1	2	< 0.01	< 20	< 1	< 2	< 10	1	< 10	< 1	3
B410811	0.119	0.061	0.26	2	9	101	0.12	< 20	< 1	< 2	< 10	102	< 10	5	14
B410812	0.049	0.055	2.23	3	6	105	0.16	< 20	4	< 2	< 10	99	< 10	6	16
B410813	0.201	0.037	1.36	< 2	16	25	0.26	< 20	3	< 2	< 10	163	< 10	9	13
B410814	0.232	0.051	0.77	< 2	16	31	0.19	< 20	1	< 2	< 10	153	< 10	10	13
B410815	0.160	0.053	0.60	< 2	10	28	0.17	< 20	3	< 2	< 10	101	< 10	9	22
B410816	0.156	0.057	0.55	< 2	9	29	0.17	< 20	4	< 2	< 10	90	< 10	9	22
B410817	0.191	0.055	0.22	< 2	10	43	0.16	< 20	3	< 2	< 10	106	< 10	8	17
B410818	0.202	0.046	0.12	2	15	23	0.19	< 20	1	< 2	< 10	155	22	8	16
B410819	0.183	0.049	0.91	2	13	40	0.20	< 20	6	< 2	< 10	107	< 10	7	17
B410821	0.172	0.295	0.19	6	9	119	0.09	< 20	< 1	< 2	< 10	70	< 10	9	< 1
B410822	0.148	0.251	0.08	2	7	113	0.10	< 20	< 1	< 2	< 10	62	< 10	7	< 1
B410823	0.142	0.234	0.30	3	7	124	0.17	< 20	< 1	< 2	< 10	66	< 10	7	3
B410824	0.204	0.070	1.04	< 2	9	95	0.20	< 20	3	< 2	< 10	70	< 10	8	10
B410825	0.132	0.156	1.24	< 2	9	105	0.18	< 20	3	< 2	< 10	69	< 10	8	11
B410826	0.121	0.171	0.67	3	7	132	0.19	< 20	< 1	< 2	< 10	75	< 10	6	9
B410827	0.137	0.237	0.23	2	5	119	0.16	< 20	2	< 2	< 10	57	< 10	6	2
B410828	0.102	0.224	0.12	4	5	67	0.10	< 20	< 1	< 2	< 10	67	< 10	6	1
B410829	0.124	0.067	0.59	3	10	131	0.21	< 20	1	< 2	< 10	83	< 10	6	13
B410830	0.012	0.002	< 0.01	< 2	< 1	2	< 0.01	< 20	< 1	< 2	< 10	2	< 10	< 1	3
B410831	0.131	0.026	0.67	< 2	11	89	0.24	< 20	4	< 2	< 10	96	< 10	7	8
B410832	0.192	0.032	0.16	2	11	34	0.29	< 20	4	< 2	< 10	124	< 10	10	10
B410833	0.162	0.030	0.04	< 2	12	19	0.29	< 20	3	< 2	< 10	140	> 200	9	11
B410834	0.113	0.014	0.04	< 2	9	12	0.17	< 20	4	< 2	< 10	102	42	4	10
B410835	0.135	0.019	0.07	< 2	11	15	0.22	< 20	2	< 2	< 10	130	138	5	14
B410836	0.131	0.020	0.08	< 2	12	16	0.22	< 20	2	< 2	< 10	135	102	5	15
B410837	0.119	0.106	0.19	< 2	9	19	0.26	< 20	3	< 2	< 10	78	> 200	22	3
B410838	0.093	0.141	0.11	< 2	5	13	0.27	< 20	3	< 2	< 10	46	27	29	4
B410839	0.104	0.124	0.27	2	7	11	0.27	< 20	5	< 2	< 10	50	< 10	28	4
B410840	0.333	0.087	0.02	< 2	5	99	0.20	< 20	5	2	< 10	46	< 10	10	4
B410841	0.130	0.122	0.14	< 2	10	27	0.34	< 20	5	< 2	< 10	67	13	27	9
B410842	0.334	0.019	0.61	< 2	6	32	0.13	< 20	2	< 2	< 10	61	< 10	4	5



Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas	0.3	< 0.5	68	1000	1	23	93	120	6.64	206	< 10	694	0.8	3	0.11	13	78	5.40	10	2	1.05	< 10	0.38
GXR-6 Cert	1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9	0.609
GXR-6 Meas	0.3	< 0.5	69	1030	1	23	96	123	6.84	215	< 10	720	0.8	< 2	0.12	14	80	5.57	20	2	1.08	< 10	0.39
GXR-6 Cert	1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9	0.609
GXR-6 Meas	0.4	< 0.5	67	1040	1	24	94	126	7.03	222	< 10	704	0.8	< 2	0.12	14	81	5.55	20	4	1.10	< 10	0.38
GXR-6 Cert	1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9	0.609
OREAS 922 (AQUA REGIA) Meas	0.9	< 0.5	2240	766	< 1	35	60	264	2.91	5	78	0.7	10	0.38	19	47	5.19	< 10		0.48	37	1.35	
OREAS 922 (AQUA REGIA) Cert	0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12	70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5	1.33	
OREAS 922 (AQUA REGIA) Meas	0.8	< 0.5	2070	737	< 1	33	55	248	2.76	3	76	0.7	6	0.37	20	44	4.86	< 10		0.46	35	1.27	
OREAS 922 (AQUA REGIA) Cert	0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12	70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5	1.33	
OREAS 922 (AQUA REGIA) Meas	0.8	< 0.5	2250	785	< 1	35	61	260	2.86	6	79	0.7	11	0.39	20	48	5.17	< 10		0.47	37	1.37	
OREAS 922 (AQUA REGIA) Cert	0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12	70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5	1.33	
OREAS 923 (AQUA REGIA) Meas	1.8	< 0.5	4310	850	< 1	31	76	330	2.82	7	64	0.7	27	0.38	21	42	5.79	< 10		0.41	33	1.42	
OREAS 923 (AQUA REGIA) Cert	1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07	54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0	1.43	
OREAS 923 (AQUA REGIA) Meas	1.5	< 0.5	4080	841	< 1	29	76	326	2.74	7	60	0.6	20	0.37	21	42	5.60	< 10		0.39	32	1.37	
OREAS 923 (AQUA REGIA) Cert	1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07	54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0	1.43	
OREAS 923 (AQUA REGIA) Meas	1.7	< 0.5	4350	845	< 1	31	77	328	2.84	7	62	0.6	25	0.38	22	43	5.85	< 10		0.41	34	1.43	
OREAS 923 (AQUA REGIA) Cert	1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07	54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0	1.43	
Oreas 621 (Aqua Regia) Meas	63.3	268	3450	507	12	24	> 5000	> 10000	1.74	74			0.5	6	1.44	29	32	3.21	< 10	4	0.37	18	0.42
Oreas 621 (Aqua Regia) Cert	68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4	0.436
Oreas 621 (Aqua Regia) Meas	62.9	268	3400	508	12	23	> 5000	> 10000	1.71	74			0.5	7	1.50	29	30	3.16	< 10	4	0.37	19	0.41
Oreas 621 (Aqua Regia) Cert	68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4	0.436
Oreas 621 (Aqua Regia) Meas	65.7	274	3520	524	13	23	> 5000	> 10000	1.72	75			0.5	15	1.55	30	30	3.26	< 10	4	0.36	19	0.42
Oreas 621 (Aqua Regia) Cert	68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4	0.436
OREAS 45f (Aqua Regia) Meas			336	160	< 1	220	12	26	7.03			124	0.9	< 2	0.06	38	339	13.3	20	1	0.10	< 10	0.17
OREAS 45f (Aqua Regia) Cert			336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750	39.2	341	13.7	20.3	0.0310	0.0820	10.7	0.152
OREAS 45f (Aqua			355	168	< 1	226	8	26	7.26			131	1.0	2	0.06	38	348	14.0	20	< 1	0.10	10	0.18

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Regia) Meas																							
OREAS 45f (Aqua Regia) Cert			336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750	39.2	341	13.7	20.3	0.0310	0.0820	10.7	0.152
B410615 Orig	< 0.2	< 0.5	63	841	10	278	< 2	46	2.18	645	< 10	29	< 0.5	< 2	3.40	64	938	5.56	< 10	2	0.24	< 10	2.21
B410615 Dup	< 0.2	< 0.5	62	826	10	282	< 2	45	2.16	644	< 10	28	< 0.5	< 2	3.34	67	924	5.51	< 10	2	0.24	< 10	2.16
B410629 Orig	0.2	< 0.5	223	722	< 1	92	< 2	48	1.78	29	< 10	47	< 0.5	< 2	3.31	43	167	5.05	< 10	< 1	0.22	< 10	1.75
B410629 Dup	1.3	< 0.5	231	739	< 1	95	< 2	49	1.81	32	< 10	48	< 0.5	< 2	3.38	44	171	5.15	< 10	< 1	0.22	< 10	1.79
B410642 Orig	0.4	< 0.5	205	810	< 1	62	< 2	54	1.96	28	< 10	68	< 0.5	< 2	3.66	37	106	4.91	< 10	< 1	0.41	< 10	1.71
B410642 Dup	0.4	< 0.5	205	794	< 1	61	< 2	54	1.93	31	< 10	68	< 0.5	< 2	3.58	38	103	4.76	< 10	< 1	0.41	< 10	1.65
B410652 Orig	0.5	0.5	214	830	< 1	126	< 2	57	2.86	121	< 10	18	< 0.5	< 2	1.33	50	278	7.77	< 10	< 1	0.22	< 10	2.32
B410652 Split PREP DUP	0.5	< 0.5	192	859	< 1	125	< 2	57	2.78	162	< 10	13	< 0.5	< 2	1.44	52	258	7.48	< 10	1	0.16	< 10	2.29
B410655 Orig	0.5	< 0.5	161	683	< 1	153	< 2	54	1.86	70	< 10	12	< 0.5	< 2	3.00	51	371	4.58	< 10	< 1	0.19	< 10	1.92
B410655 Dup	0.5	< 0.5	166	684	< 1	153	< 2	54	1.86	67	< 10	13	< 0.5	< 2	3.02	48	375	4.56	< 10	< 1	0.19	< 10	1.92
B410678 Orig	0.4	< 0.5	257	615	13	59	< 2	39	1.62	7	< 10	< 10	< 0.5	< 2	2.67	30	115	4.17	< 10	< 1	0.04	< 10	1.52
B410678 Dup	0.4	< 0.5	252	599	13	57	< 2	39	1.58	7	< 10	< 10	< 0.5	< 2	2.61	30	113	4.04	< 10	< 1	0.04	< 10	1.49
B410692 Orig	0.3	< 0.5	210	609	< 1	60	< 2	35	1.11	19	< 10	< 10	< 0.5	< 2	2.78	31	157	3.92	< 10	< 1	0.05	< 10	1.30
B410692 Dup	0.2	< 0.5	218	606	< 1	61	< 2	38	1.07	17	< 10	< 10	< 0.5	< 2	2.78	32	157	3.91	< 10	< 1	0.05	< 10	1.30
B410702 Orig	0.4	< 0.5	216	782	< 1	56	< 2	54	1.89	20	< 10	< 10	< 0.5	< 2	3.06	36	45	5.63	< 10	2	0.05	< 10	1.56
B410702 Split PREP DUP	0.4	< 0.5	213	772	< 1	54	< 2	53	1.85	17	< 10	< 10	< 0.5	< 2	3.02	37	44	5.55	< 10	2	0.05	< 10	1.55
B410704 Orig	0.5	< 0.5	238	736	< 1	52	< 2	53	1.53	15	< 10	12	< 0.5	< 2	2.62	34	39	5.94	< 10	1	0.07	< 10	1.44
B410704 Dup	0.5	< 0.5	237	723	< 1	52	< 2	52	1.48	14	< 10	13	< 0.5	< 2	2.57	33	39	5.79	< 10	1	0.07	< 10	1.40
B410718 Orig	< 0.2	< 0.5	291	743	3	58	< 2	53	1.75	19	< 10	20	< 0.5	< 2	3.11	39	110	5.04	< 10	< 1	0.07	< 10	1.57
B410718 Dup	< 0.2	< 0.5	285	739	3	60	< 2	53	1.77	21	< 10	19	< 0.5	< 2	3.08	38	109	5.06	< 10	< 1	0.07	< 10	1.56
B410734 Orig	< 0.2	< 0.5	188	804	< 1	51	< 2	64	1.86	42	< 10	< 10	< 0.5	< 2	2.62	40	76	5.56	< 10	2	0.05	< 10	1.73
B410734 Dup	< 0.2	< 0.5	191	808	< 1	50	< 2	64	1.88	41	< 10	< 10	< 0.5	< 2	2.65	39	77	5.63	< 10	1	0.05	< 10	1.75
B410748 Orig	1.2	< 0.5	304	663	< 1	52	< 2	54	2.04	84	< 10	11	< 0.5	< 2	2.77	41	41	6.43	< 10	2	0.07	< 10	1.91
B410748 Dup	1.0	< 0.5	302	676	1	53	< 2	47	2.02	81	< 10	11	< 0.5	< 2	2.81	41	43	6.41	< 10	3	0.07	< 10	1.91
B410752 Orig	0.6	< 0.5	108	539	2	141	< 2	62	2.62	16	< 10	145	< 0.5	< 2	1.81	39	466	4.83	< 10	< 1	1.06	49	3.10
B410752 Split PREP DUP	0.5	< 0.5	104	532	2	140	2	61	2.60	18	< 10	261	< 0.5	< 2	1.83	37	471	4.77	< 10	< 1	1.09	50	3.04
B410761 Orig	< 0.2	< 0.5	74	571	< 1	215	3	54	2.06	6	< 10	155	< 0.5	< 2	3.76	32	371	3.36	< 10	< 1	0.52	62	2.60
B410761 Dup	< 0.2	< 0.5	73	577	< 1	214	4	55	2.09	5	< 10	155	< 0.5	< 2	3.79	31	373	3.40	< 10	< 1	0.53	62	2.61
B410774 Orig	1.0	< 0.5	93	1410	2	32	< 2	62	1.14	5	< 10	38	< 0.5	< 2	9.46	11	56	4.50	< 10	< 1	0.38	< 10	3.12
B410774 Dup	1.0	< 0.5	88	1380	3	30	< 2	59	1.13	4	< 10	35	< 0.5	< 2	9.21	11	51	4.41	< 10	< 1	0.37	< 10	3.10
B410797 Orig	1.0	< 0.5	101	593	< 1	135	< 2	49	2.77	11	< 10	95	< 0.5	< 2	2.85	39	265	4.22	< 10	< 1	0.97	36	2.11
B410797 Dup	0.9	< 0.5	103	610	< 1	138	< 2	50	2.80	11	< 10	107	< 0.5	< 2	2.95	40	273	4.28	< 10	< 1	0.98	36	2.16
B410802 Orig	1.5	< 0.5	121	581	1	91	2	58	3.39	4	< 10	59	< 0.5	< 2	1.41	39	113	6.61	< 10	1	1.50	< 10	2.50
B410802 Split PREP DUP	1.5	< 0.5	122	592	2	90	2	59	3.47	3	< 10	65	< 0.5	< 2	1.44	39	115	6.79	< 10	2	1.54	< 10	2.53
B410811 Orig	0.7	< 0.5	80	550	37	197	4	40	2.28	< 2	< 10	88	< 0.5	< 2	3.00	32	488	4.00	< 10	< 1	0.44	18	3.00
B410811 Dup	0.7	< 0.5	80	544	36	195	3	39	2.26	2	< 10	87	< 0.5	< 2	2.97	33	479	3.96	< 10	< 1	0.43	18	2.97
B410821 Orig	< 0.2	< 0.5	41	607	< 1	216	< 2	59	2.64	17	< 10	249	< 0.5	< 2	3.31	26	492	3.44	< 10	< 1	1.27	72	3.23
B410821 Dup	0.2	< 0.5	41	607	< 1	218	2	58	2.64	14	< 10	249	< 0.5	< 2	3.28	26	494	3.43	< 10	< 1	1.28	73	3.24
B410823 Orig	< 0.2	< 0.5	26	479	5	227	2	51	2.86	17	< 10	174	< 0.5	< 2	2.57	32	542	3.26	< 10	2	1.08	56	3.16
B410823 Dup	< 0.2	< 0.5	27	474	5	225	3	50	2.74	17	< 10	173	< 0.5	< 2	2.53	33	543	3.14	< 10	< 1	1.03	54	3.13
B410837 Orig	< 0.2	< 0.5	62	350	45	29	3	21	0.91	5	< 10	13	< 0.5	< 2	1.48	18	45	3.45	< 10	< 1	0.17	15	1.01
B410837 Dup	< 0.2	< 0.5	62	355	44	29	< 2	21	0.93	6	< 10	12	< 0.5	< 2	1.50	19	46	3.50	< 10	< 1	0.17	15	1.03
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas	0.123	0.032	0.01	4	19	29		< 20	< 1	< 2	< 10	160	< 10	4	5
GXR-6 Cert	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
GXR-6 Meas	0.121	0.033	0.01	4	19	29		< 20	< 1	< 2	< 10	164	< 10	4	5
GXR-6 Cert	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
GXR-6 Meas	0.127	0.034	0.01	3	19	31		< 20	< 1	< 2	< 10	168	< 10	4	6
GXR-6 Cert	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
OREAS 922 (AQUA REGIA) Meas	0.033	0.059	0.37	< 2	4	17		< 20		< 2	< 10	35	< 10	19	12
OREAS 922 (AQUA REGIA) Cert	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas	0.030	0.057	0.35	3	4	16		< 20		< 2	< 10	35	< 10	18	11
OREAS 922 (AQUA REGIA) Cert	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas	0.031	0.065	0.38	< 2	4	18		< 20		< 2	< 10	36	< 10	19	18
OREAS 922 (AQUA REGIA) Cert	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 923 (AQUA REGIA) Meas		0.057	0.66	3	4	15		< 20		< 2	< 10	35	< 10	17	20
OREAS 923 (AQUA REGIA) Cert		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 923 (AQUA REGIA) Meas		0.055	0.63	< 2	4	15		< 20		< 2	< 10	34	< 10	17	20
OREAS 923 (AQUA REGIA) Cert		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 923 (AQUA REGIA) Meas		0.060	0.66	3	4	16		< 20		< 2	< 10	35	< 10	17	26
OREAS 923 (AQUA REGIA) Cert		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
Oreas 621 (Aqua Regia) Meas	0.177	0.031	4.36	115	2	18		< 20		< 2	< 10	13	< 10	7	63
Oreas 621 (Aqua Regia) Cert	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
Oreas 621 (Aqua Regia) Meas	0.176	0.031	4.31	113	2	19		< 20		< 2	< 10	12	< 10	7	62
Oreas 621 (Aqua Regia) Cert	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
Oreas 621 (Aqua Regia) Meas	0.176	0.033	4.53	109	2	20		< 20		< 2	< 10	13	< 10	7	63
Oreas 621 (Aqua Regia) Cert	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
OREAS 45f (Aqua Regia) Meas	0.046	0.019	0.02		25	15	0.09	< 20		< 2	< 10	190		4	10
OREAS 45f (Aqua Regia) Cert	0.0320	0.0220	0.0270		31.4	13.2	0.0970	7.67		0.120	1.09	217		6.74	30.0
OREAS 45f (Aqua	0.051	0.021	0.02		26	15	0.11	< 20		2	< 10	198		5	12

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Regia) Meas															
OREAS 45f (Aqua Regia) Cert	0.0320	0.0220	0.0270		31.4	13.2	0.0970	7.67		0.120	1.09	217		6.74	30.0
B410615 Orig	0.065	0.023	0.57	6	6	41	0.13	< 20	2	< 2	< 10	84	< 10	4	9
B410615 Dup	0.063	0.022	0.56	5	6	39	0.13	< 20	< 1	< 2	< 10	83	< 10	4	8
B410629 Orig	0.164	0.030	0.58	3	8	27	0.20	< 20	4	< 2	< 10	88	< 10	6	7
B410629 Dup	0.167	0.031	0.59	3	8	28	0.21	< 20	2	< 2	< 10	89	< 10	6	7
B410642 Orig	0.199	0.032	0.12	2	8	35	0.17	< 20	2	< 2	< 10	91	< 10	6	6
B410642 Dup	0.190	0.032	0.12	3	7	35	0.18	< 20	3	< 2	< 10	88	< 10	6	6
B410652 Orig	0.140	0.035	1.16	3	12	12	0.20	< 20	< 1	< 2	< 10	144	< 10	7	8
B410652 Split PREP DUP	0.152	0.035	1.05	3	12	12	0.19	< 20	1	< 2	< 10	141	< 10	7	8
B410655 Orig	0.118	0.028	0.56	3	7	33	0.21	< 20	1	< 2	< 10	81	< 10	5	7
B410655 Dup	0.120	0.028	0.57	2	7	33	0.22	< 20	< 1	< 2	< 10	82	< 10	5	7
B410678 Orig	0.174	0.029	0.21	< 2	7	44	0.16	< 20	2	< 2	< 10	81	< 10	6	7
B410678 Dup	0.169	0.029	0.20	< 2	7	43	0.15	< 20	< 1	< 2	< 10	79	< 10	6	6
B410692 Orig	0.176	0.031	0.14	< 2	7	31	0.18	< 20	7	< 2	< 10	84	< 10	5	6
B410692 Dup	0.172	0.031	0.14	2	7	30	0.17	< 20	3	< 2	< 10	85	< 10	6	6
B410702 Orig	0.279	0.037	0.27	< 2	9	25	0.17	< 20	4	< 2	< 10	110	< 10	8	7
B410702 Split PREP DUP	0.276	0.037	0.27	3	9	25	0.16	< 20	3	< 2	< 10	109	< 10	7	7
B410704 Orig	0.232	0.038	0.14	< 2	8	24	0.16	< 20	3	< 2	< 10	125	< 10	7	8
B410704 Dup	0.223	0.038	0.14	2	8	24	0.16	< 20	3	< 2	< 10	123	< 10	7	9
B410718 Orig	0.240	0.035	0.29	< 2	9	28	0.17	< 20	4	< 2	< 10	96	< 10	8	6
B410718 Dup	0.239	0.034	0.29	3	9	28	0.18	< 20	< 1	< 2	< 10	96	< 10	8	6
B410734 Orig	0.219	0.039	0.11	3	10	21	0.21	< 20	2	< 2	< 10	114	< 10	8	6
B410734 Dup	0.225	0.039	0.11	3	10	22	0.20	< 20	< 1	< 2	< 10	115	< 10	8	5
B410748 Orig	0.217	0.036	1.40	< 2	9	34	0.17	< 20	1	< 2	< 10	115	< 10	8	9
B410748 Dup	0.218	0.036	1.37	2	9	35	0.16	< 20	< 1	< 2	< 10	116	< 10	8	9
B410752 Orig	0.080	0.224	0.45	2	7	86	0.22	< 20	1	< 2	< 10	110	< 10	8	7
B410752 Split PREP DUP	0.088	0.229	0.44	3	7	90	0.24	< 20	4	< 2	< 10	109	< 10	9	7
B410761 Orig	0.228	0.224	0.27	< 2	7	129	0.13	< 20	2	< 2	< 10	58	< 10	9	3
B410761 Dup	0.237	0.221	0.26	< 2	7	131	0.13	< 20	1	< 2	< 10	59	< 10	9	3
B410774 Orig	0.030	0.018	1.32	< 2	2	171	0.05	< 20	< 1	< 2	< 10	34	< 10	5	4
B410774 Dup	0.030	0.017	1.26	2	2	173	0.05	< 20	1	< 2	< 10	33	< 10	4	4
B410797 Orig	0.258	0.147	0.86	2	7	132	0.22	< 20	2	< 2	< 10	93	< 10	9	15
B410797 Dup	0.267	0.152	0.88	< 2	8	135	0.23	< 20	2	< 2	< 10	96	< 10	9	15
B410802 Orig	0.119	0.039	1.51	2	10	64	0.32	< 20	4	< 2	< 10	151	< 10	9	6
B410802 Split PREP DUP	0.124	0.039	1.53	< 2	10	66	0.33	< 20	2	< 2	< 10	154	< 10	9	7
B410811 Orig	0.120	0.061	0.26	2	9	102	0.12	< 20	2	< 2	< 10	103	< 10	5	14
B410811 Dup	0.118	0.061	0.25	2	9	100	0.12	< 20	< 1	< 2	< 10	101	< 10	5	13
B410821 Orig	0.172	0.298	0.19	8	9	120	0.09	< 20	1	< 2	< 10	70	< 10	9	< 1
B410821 Dup	0.171	0.292	0.19	3	9	118	0.08	< 20	< 1	8	< 10	70	< 10	8	1
B410823 Orig	0.145	0.221	0.30	3	7	127	0.15	< 20	< 1	< 2	< 10	66	< 10	7	2
B410823 Dup	0.139	0.247	0.29	2	7	122	0.19	< 20	2	< 2	< 10	66	< 10	7	4
B410837 Orig	0.119	0.109	0.19	< 2	9	19	0.26	< 20	4	< 2	< 10	78	> 200	22	3
B410837 Dup	0.120	0.104	0.19	< 2	9	19	0.26	< 20	3	< 2	< 10	79	> 200	22	3
Method Blank	0.007	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.007	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.009	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Method Blank	0.010	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.009	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1



Report No.: A21-09336-1E3
Report Date: 16-Aug-21
Date Submitted: 26-May-21
Your Reference: LINGMAN LAKE WINTER 2021

SIGNATURE RESOURCES LTD
366 Bay Street, suite 200
Toronto ON M5H 4B2
Canada

ATTN: Robert Vallis

CERTIFICATE OF ANALYSIS

311 Core samples were submitted for analysis.

Table with 2 columns: The following analytical package(s) were requested: and Testing Date:
1E3-Tbay | QOP AquaGeo (Aqua Regia ICPOES) | 2021-08-13 10:18:46

REPORT A21-09336-1E3

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

Notes:

Values which exceed the upper limit should be assayed for accurate numbers.

Footnote: Sample B410960, B410980, B411000, and B413000 are insufficient.



LabID: 673

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CERTIFIED BY:

Handwritten signature of Emmanuel Esemé

Emmanuel Esemé, Ph.D.
Quality Control Coordinator

## Results

## Activation Laboratories Ltd.

## Report: A21-09336

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2		0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B410843	0.4	< 0.5	223	745	4	80	< 2	52	1.77	69	< 10	21	< 0.5	< 2	3.67	47	147	5.37	< 10	< 1	0.17	< 10	1.71
B410844	0.5	< 0.5	219	968	1	121	< 2	87	2.87	18	< 10	63	< 0.5	< 2	4.29	48	308	7.48	< 10	< 1	0.54	< 10	2.76
B410845	0.4	< 0.5	156	693	< 1	80	< 2	52	1.82	76	< 10	19	< 0.5	< 2	3.26	43	140	6.35	< 10	2	0.32	< 10	1.69
B410846	0.3	< 0.5	130	803	< 1	102	< 2	53	1.91	13	< 10	13	< 0.5	< 2	4.73	38	268	5.17	< 10	2	0.12	< 10	1.93
B410847	0.5	< 0.5	192	754	< 1	89	< 2	58	2.14	15	< 10	24	< 0.5	< 2	3.14	42	170	6.23	< 10	1	0.27	< 10	1.87
B410848	0.4	< 0.5	195	770	< 1	93	< 2	58	2.02	37	< 10	21	< 0.5	< 2	3.29	46	166	6.73	< 10	2	0.21	< 10	1.87
B410849	0.6	< 0.5	259	684	< 1	153	4	53	2.30	130	< 10	13	< 0.5	< 2	1.66	54	324	8.05	< 10	1	0.12	< 10	2.15
B410850	< 0.2	< 0.5	2	64	< 1	1	< 2	5	0.06	< 2	< 10	< 10	< 0.5	< 2	0.01	< 1	9	0.62	< 10	< 1	< 0.01	< 10	0.01
B410851	1.2	< 0.5	185	943	< 1	121	< 2	76	2.56	73	< 10	< 10	< 0.5	< 2	4.41	40	287	6.51	< 10	2	0.06	< 10	2.44
B410852	1.0	< 0.5	199	516	1	95	7	37	1.31	226	< 10	< 10	< 0.5	< 2	2.14	58	171	6.72	< 10	2	0.03	< 10	1.24
B410853	< 0.2	< 0.5	2	60	< 1	1	< 2	5	0.05	< 2	< 10	< 10	< 0.5	< 2	0.01	< 1	8	0.55	< 10	< 1	< 0.01	< 10	< 0.01
B410854	0.4	< 0.5	197	843	< 1	104	4	58	2.28	64	< 10	< 10	< 0.5	< 2	5.19	49	299	6.79	< 10	1	0.03	10	2.36
B410855	0.2	< 0.5	180	985	< 1	97	< 2	61	2.90	52	< 10	< 10	< 0.5	< 2	5.61	41	231	7.76	< 10	< 1	0.03	< 10	2.81
B410856	0.2	< 0.5	163	988	< 1	96	< 2	61	2.87	47	< 10	< 10	< 0.5	< 2	5.84	38	231	7.66	< 10	2	0.03	< 10	2.78
B410857	0.2	< 0.5	304	1100	< 1	93	< 2	56	2.96	40	< 10	< 10	< 0.5	< 2	5.73	45	136	7.88	< 10	< 1	0.04	< 10	3.13
B410858	< 0.2	< 0.5	203	778	< 1	133	2	59	2.26	29	< 10	< 10	< 0.5	< 2	3.93	47	191	5.78	< 10	2	0.04	13	2.44
B410859	< 0.2	< 0.5	118	772	< 1	140	< 2	56	2.78	36	< 10	16	< 0.5	< 2	2.36	44	346	6.78	< 10	1	0.03	20	2.80
B410860	1.4	< 0.5	120	594	4	149	25	62	2.86	52	15	43	< 0.5	< 2	2.87	30	408	4.30	< 10	2	0.19	< 10	2.96
B410861	< 0.2	< 0.5	266	887	< 1	149	< 2	55	3.53	62	< 10	< 10	< 0.5	3	0.59	71	266	10.6	10	< 1	0.02	< 10	2.34
B410862	< 0.2	< 0.5	266	781	< 1	100	< 2	55	2.55	18	< 10	< 10	< 0.5	< 2	2.41	50	237	7.25	< 10	< 1	0.04	< 10	2.15
B410863	< 0.2	< 0.5	238	671	< 1	60	< 2	53	1.57	9	< 10	< 10	< 0.5	< 2	2.31	31	147	5.36	< 10	< 1	0.03	< 10	1.52
B410864	0.3	< 0.5	419	652	< 1	68	< 2	51	1.52	6	< 10	< 10	< 0.5	< 2	2.61	36	158	5.51	< 10	< 1	0.03	< 10	1.30
B410865	< 0.2	< 0.5	174	816	< 1	81	< 2	87	2.85	5	< 10	< 10	< 0.5	< 2	1.57	39	182	6.74	< 10	< 1	0.03	< 10	2.68
B410866	< 0.2	< 0.5	222	675	< 1	58	< 2	51	1.65	6	< 10	< 10	< 0.5	< 2	2.78	30	142	5.07	< 10	< 1	0.03	< 10	1.55
B410867	< 0.2	< 0.5	200	656	< 1	54	< 2	44	1.41	5	< 10	< 10	< 0.5	< 2	2.66	27	161	4.94	< 10	< 1	0.03	< 10	1.37
B410868	< 0.2	< 0.5	212	666	< 1	57	< 2	45	1.50	< 2	< 10	43	< 0.5	< 2	2.93	27	183	5.72	< 10	2	0.09	< 10	1.51
B410869	< 0.2	< 0.5	72	475	< 1	129	< 2	41	1.50	4	< 10	30	< 0.5	< 2	3.28	21	373	3.06	< 10	< 1	0.08	30	1.89
B410870	< 0.2	< 0.5	2	57	< 1	1	< 2	5	0.07	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	8	0.55	< 10	< 1	0.01	< 10	< 0.01
B410871	< 0.2	< 0.5	22	421	< 1	202	3	45	1.76	8	< 10	136	< 0.5	< 2	2.44	27	625	2.84	< 10	< 1	0.32	82	2.56
B410872	0.4	< 0.5	200	563	< 1	124	4	43	1.55	3	< 10	54	< 0.5	< 2	2.54	50	282	5.10	< 10	< 1	0.16	14	1.67
B410873	< 0.2	< 0.5	147	478	< 1	136	< 2	50	1.77	2	< 10	78	< 0.5	< 2	1.90	30	419	3.85	< 10	< 1	0.22	35	2.19
B410874	< 0.2	< 0.5	47	423	< 1	163	7	48	1.62	5	< 10	191	< 0.5	< 2	2.01	23	590	2.62	< 10	< 1	0.47	85	2.28
B410875	< 0.2	< 0.5	18	378	< 1	186	4	55	1.76	10	< 10	280	< 0.5	< 2	1.62	28	580	2.89	< 10	< 1	0.68	68	2.49
B410876	< 0.2	< 0.5	20	382	< 1	182	7	56	1.76	10	< 10	275	< 0.5	< 2	1.59	27	581	2.92	< 10	< 1	0.67	66	2.50
B410877	0.3	< 0.5	171	610	< 1	132	2	45	1.80	4	< 10	197	< 0.5	< 2	2.91	37	330	4.46	< 10	< 1	0.45	23	2.00
B410878	0.8	< 0.5	274	668	3	271	5	59	2.42	31	< 10	33	< 0.5	2	1.56	92	369	8.28	< 10	1	0.35	< 10	2.02
B410879	0.4	< 0.5	132	731	1	89	< 2	64	2.25	13	< 10	< 10	< 0.5	2	2.02	51	146	6.92	< 10	< 1	0.04	< 10	1.86
B410880	0.3	< 0.5	76	1350	1	112	2	74	1.87	1020	< 10	56	< 0.5	< 2	1.91	30	47	6.35	< 10	1	0.08	13	2.31
B410881	0.3	< 0.5	239	730	< 1	90	< 2	53	1.88	17	< 10	< 10	< 0.5	< 2	2.90	51	109	5.72	< 10	1	0.04	< 10	1.71
B410882	< 0.2	< 0.5	116	962	< 1	74	< 2	78	2.76	4	< 10	< 10	< 0.5	< 2	4.37	34	186	7.49	< 10	2	0.03	< 10	2.35
B410883	< 0.2	< 0.5	209	704	2	71	< 2	47	1.53	8	< 10	< 10	< 0.5	< 2	3.31	30	201	4.33	< 10	< 1	0.03	< 10	1.50
B410884	0.5	< 0.5	159	862	< 1	118	< 2	84	2.21	63	< 10	< 10	< 0.5	< 2	3.47	48	279	6.04	< 10	1	0.06	< 10	2.24
B410885	0.4	< 0.5	359	806	< 1	21	3	95	2.15	708	< 10	54	< 0.5	< 2	2.86	38	5	9.40	< 10	< 1	0.25	< 10	1.23
B410886	0.4	< 0.5	337	831	< 1	20	3	98	2.14	4140	< 10	37	< 0.5	< 2	3.04	38	4	8.58	< 10	< 1	0.16	< 10	1.42
B410887	0.4	0.8	221	894	< 1	28	< 2	155	2.64	396	< 10	111	< 0.5	< 2	2.43	44	11	8.32	< 10	2	0.34	< 10	1.31
B410888	0.4	< 0.5	219	964	< 1	22	< 2	99	2.45	76	< 10	100	< 0.5	< 2	3.08	41	10	7.62	< 10	2	0.31	< 10	1.23
B410889	0.5	< 0.5	254	911	< 1	20	2	113	2.49	36	< 10	86	< 0.5	2	2.85	45	5	8.61	< 10	2	0.30	< 10	1.26
B410890	< 0.2	< 0.5	2	58	< 1	1	< 2	5	0.06	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	7	0.53	< 10	< 1	< 0.01	< 10	< 0.01
B410891	1.0	7.7	241	849	< 1	21	218	253	2.25	2560	< 10	67	< 0.5	< 2	3.23	38	8	7.90	< 10	< 1	0.24	< 10	1.18
B410892	0.4	< 0.5	199	679	< 1	16	< 2	91	2.35	30	< 10	84	< 0.5	< 2	2.74	42	2	7.72	< 10	< 1	0.42	< 10	1.23
B410893	0.5	< 0.5	247	655	< 1	20	< 2	79	2.47	27	< 10	105	< 0.5	< 2	2.65	44	2	7.91	< 10	< 1	0.70	< 10	1.32



## Results

## Activation Laboratories Ltd.

## Report: A21-09336

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2		0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B410894	0.5	< 0.5	205	680	< 1	16	< 2	77	2.54	25	< 10	70	< 0.5	< 2	2.39	38	1	7.75	< 10	1	0.47	< 10	1.37
B410895	0.3	< 0.5	220	996	1	33	< 2	103	3.25	393	< 10	79	< 0.5	< 2	2.88	41	2	9.05	10	2	0.49	< 10	1.82
B410896	0.8	< 0.5	424	943	2	52	2	96	2.99	292	< 10	71	< 0.5	< 2	2.87	37	3	8.78	10	1	0.43	< 10	1.69
B410897	0.3	1.0	146	1290	1	85	< 2	136	4.86	589	< 10	18	< 0.5	< 2	0.14	55	3	13.4	20	1	0.07	< 10	2.54
B410898	0.5	< 0.5	391	1170	1	89	< 2	130	4.26	1850	< 10	56	< 0.5	3	0.34	71	5	11.8	20	< 1	0.17	10	2.18
B410899	0.3	0.6	137	1400	2	111	< 2	102	4.20	258	< 10	43	< 0.5	< 2	0.80	40	4	11.7	10	2	0.12	< 10	2.31
B410900	< 0.2	< 0.5	49	577	< 1	121	9	90	2.18	12	< 10	73	0.6	< 2	1.22	34	60	5.31	< 10	2	0.14	16	1.69
B410901	0.4	< 0.5	215	1300	2	105	4	83	4.16	1690	< 10	21	< 0.5	< 2	0.12	77	6	12.3	20	< 1	0.23	< 10	2.21
B410902	2.2	< 0.5	170	1520	2	44	65	137	4.87	1280	< 10	22	< 0.5	5	0.17	49	2	12.2	20	< 1	0.08	< 10	2.98
B410903	0.7	< 0.5	357	1100	4	58	10	161	4.05	1090	< 10	15	< 0.5	3	0.34	61	4	12.1	20	< 1	0.78	< 10	2.35
B410904	0.8	0.7	426	933	< 1	48	23	114	2.92	292	< 10	23	< 0.5	< 2	2.12	54	24	10.6	10	1	1.03	< 10	1.91
B410905	0.4	0.8	221	965	< 1	46	< 2	105	3.58	993	< 10	42	< 0.5	< 2	1.49	48	29	9.90	10	2	0.37	< 10	2.18
B410906	0.6	< 0.5	257	891	1	32	18	123	2.71	1530	< 10	63	< 0.5	< 2	2.43	35	23	8.85	10	< 1	1.02	< 10	1.92
B410907	0.7	< 0.5	421	969	< 1	31	11	106	2.36	204	< 10	45	< 0.5	< 2	3.26	37	18	9.64	10	< 1	0.97	< 10	1.85
B410908	0.4	< 0.5	231	708	< 1	22	< 2	78	1.79	223	< 10	< 10	< 0.5	< 2	2.96	47	17	7.75	< 10	2	0.08	< 10	1.00
B410909	0.4	< 0.5	221	858	1	23	< 2	91	2.20	56	< 10	24	< 0.5	< 2	3.26	43	13	8.38	< 10	1	0.20	< 10	1.25
B410910	< 0.2	< 0.5	2	67	< 1	1	< 2	5	0.08	< 2	< 10	< 10	< 0.5	< 2	0.02	< 1	8	0.57	< 10	< 1	0.01	< 10	0.02
B410911	0.4	< 0.5	314	802	10	27	< 2	88	2.05	37	< 10	15	< 0.5	< 2	3.01	47	19	8.39	< 10	1	0.14	< 10	1.13
B410912	2.1	< 0.5	401	857	1	20	< 2	89	2.00	25	< 10	< 10	< 0.5	< 2	3.20	47	10	8.13	< 10	1	0.09	< 10	1.05
B410913	0.4	< 0.5	356	862	1	11	< 2	95	2.11	31	< 10	< 10	< 0.5	< 2	3.13	44	5	8.40	< 10	2	0.13	< 10	1.07
B410914	1.3	< 0.5	1490	781	11	10	5	99	1.87	19	< 10	18	< 0.5	< 2	3.24	43	2	7.78	< 10	2	0.16	< 10	0.98
B410915	1.7	0.8	1450	865	3	11	3	108	2.05	30	< 10	24	< 0.5	< 2	2.66	51	5	8.80	< 10	2	0.23	< 10	1.06
B410916	1.7	< 0.5	1460	870	2	12	4	111	2.13	32	< 10	22	< 0.5	2	2.63	53	4	8.97	< 10	< 1	0.22	< 10	1.10
B410917	0.9	< 0.5	696	795	< 1	10	< 2	102	2.30	21	< 10	60	< 0.5	< 2	2.32	45	3	9.07	10	1	0.45	< 10	1.22
B410918	0.8	< 0.5	535	818	< 1	10	< 2	104	2.09	29	< 10	28	< 0.5	< 2	2.71	49	2	8.51	< 10	2	0.21	< 10	0.98
B410919	0.4	< 0.5	279	767	< 1	16	3	118	2.52	1620	< 10	70	< 0.5	< 2	2.63	51	13	9.11	10	< 1	0.51	< 10	1.38
B410920	1.5	< 0.5	129	633	4	157	31	65	3.07	56	17	45	< 0.5	< 2	3.03	30	432	4.63	< 10	1	0.20	< 10	3.18
B410921	0.9	< 0.5	329	825	< 1	98	11	71	2.21	5100	< 10	10	< 0.5	< 2	4.28	85	124	7.20	< 10	< 1	0.07	< 10	2.16
B410922	0.4	< 0.5	187	1250	< 1	151	< 2	76	3.27	346	< 10	46	< 0.5	< 2	4.05	55	391	8.23	< 10	< 1	0.33	< 10	2.99
B410923	0.2	< 0.5	126	1010	< 1	154	< 2	52	2.27	103	< 10	< 10	< 0.5	< 2	3.67	55	316	5.43	< 10	< 1	0.05	< 10	2.24
B410924	0.6	< 0.5	287	1120	3	142	5	55	2.76	21	< 10	63	< 0.5	< 2	4.46	51	335	7.51	< 10	2	0.53	< 10	2.66
B410925	0.5	< 0.5	163	710	< 1	99	5	61	2.55	41	< 10	178	< 0.5	< 2	3.36	48	196	5.86	< 10	1	1.33	< 10	2.25
B410926	0.5	< 0.5	258	585	< 1	98	< 2	57	1.98	44	< 10	153	< 0.5	< 2	2.74	45	268	4.55	< 10	< 1	0.86	< 10	2.05
B410927	0.4	< 0.5	195	739	< 1	96	< 2	64	2.58	17	< 10	143	< 0.5	< 2	3.52	43	155	6.02	< 10	1	1.23	< 10	2.31
B410928	0.6	< 0.5	244	1010	1	176	4	48	2.41	2	< 10	55	< 0.5	< 2	4.09	60	407	7.58	< 10	2	0.99	< 10	2.50
B410929	0.3	< 0.5	186	949	< 1	140	< 2	75	3.08	< 2	< 10	61	< 0.5	< 2	3.15	49	266	8.14	< 10	1	1.09	< 10	2.62
B410930	< 0.2	< 0.5	2	117	< 1	2	< 2	< 2	0.06	< 2	< 10	11	< 0.5	< 2	0.01	< 1	13	0.95	< 10	< 1	< 0.01	< 10	< 0.01
B410931	0.2	< 0.5	129	986	< 1	96	< 2	79	2.99	21	< 10	216	< 0.5	< 2	4.17	41	232	6.84	< 10	2	1.21	< 10	2.70
B410932	< 0.2	< 0.5	185	803	< 1	75	< 2	57	1.83	44	< 10	< 10	< 0.5	< 2	3.21	45	148	5.74	< 10	< 1	0.06	< 10	1.77
B410933	< 0.2	< 0.5	214	818	< 1	66	< 2	54	1.84	47	< 10	< 10	< 0.5	< 2	3.85	41	141	5.49	< 10	< 1	0.05	< 10	1.68
B410934	< 0.2	< 0.5	213	796	< 1	70	< 2	55	1.93	42	< 10	< 10	< 0.5	< 2	3.46	42	151	5.67	< 10	< 1	0.05	< 10	1.72
B410935	< 0.2	< 0.5	176	851	< 1	80	< 2	69	2.52	34	< 10	11	< 0.5	< 2	2.74	40	177	6.36	< 10	2	0.05	< 10	2.56
B410936	< 0.2	< 0.5	203	816	< 1	80	2	66	2.42	35	< 10	< 10	< 0.5	< 2	2.56	42	177	6.22	< 10	2	0.05	< 10	2.43
B410937	< 0.2	< 0.5	160	1020	< 1	109	< 2	84	3.33	41	< 10	< 10	< 0.5	< 2	2.62	43	279	8.16	10	1	0.05	< 10	3.27
B410938	< 0.2	< 0.5	225	770	< 1	96	< 2	56	2.32	54	< 10	< 10	< 0.5	< 2	4.34	46	282	6.48	< 10	2	0.04	< 10	2.28
B410939	< 0.2	< 0.5	197	957	< 1	97	< 2	70	2.98	64	< 10	< 10	< 0.5	2	4.35	49	256	7.98	< 10	3	0.05	< 10	3.08
B410940	0.3	< 0.5	77	1350	1	110	3	73	1.83	1030	< 10	53	< 0.5	< 2	1.88	30	47	6.37	< 10	1	0.08	13	2.31
B410941	0.2	< 0.5	333	1170	< 1	53	< 2	70	3.09	70	< 10	< 10	< 0.5	< 2	5.17	49	124	8.71	10	2	0.10	< 10	2.20
B410942	< 0.2	< 0.5	250	1040	< 1	8	< 2	76	2.77	55	< 10	23	< 0.5	< 2	3.08	49	< 1	11.1	10	< 1	0.34	< 10	1.51
B410943	0.2	< 0.5	324	1130	< 1	9	< 2	89	2.95	90	< 10	18	< 0.5	< 2	3.39	53	2	10.6	10	1	0.24	< 10	1.54
B410944	0.3	< 0.5	552	1070	< 1	12	< 2	123	2.93	1340	< 10	50	< 0.5	< 2	3.14	43	1	9.55	10	< 1	0.39	< 10	1.88

## Results

## Activation Laboratories Ltd.

## Report: A21-09336

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2		0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B410945	0.7	< 0.5	523	1010	< 1	19	< 2	118	3.52	1380	< 10	21	< 0.5	< 2	2.35	69	1	11.6	10	2	0.15	< 10	2.32
B410946	0.5	0.6	191	982	< 1	11	< 2	126	3.72	68	< 10	36	< 0.5	2	2.46	52	2	10.1	10	1	0.19	< 10	2.26
B410947	1.6	< 0.5	242	843	1	7	< 2	94	3.07	47	< 10	73	< 0.5	< 2	2.84	49	1	9.23	10	1	0.35	< 10	1.43
B410948	1.0	< 0.5	554	958	< 1	9	< 2	97	2.93	36	< 10	108	< 0.5	< 2	3.08	45	1	9.24	10	1	0.45	< 10	1.49
B410949	0.4	< 0.5	284	901	< 1	15	< 2	86	2.67	74	< 10	71	< 0.5	2	2.53	52	1	9.74	10	2	0.38	< 10	1.44
B410950	< 0.2	< 0.5	2	102	< 1	1	< 2	< 2	0.07	< 2	< 10	11	< 0.5	< 2	0.01	< 1	13	0.93	< 10	< 1	0.01	< 10	< 0.01
B410951	0.4	0.7	278	1380	< 1	37	< 2	119	4.53	553	< 10	60	< 0.5	< 2	1.66	44	22	12.3	10	2	0.26	< 10	3.23
B410952	0.3	< 0.5	178	1400	3	208	< 2	102	4.38	225	< 10	< 10	< 0.5	< 2	0.17	72	228	11.9	10	2	0.02	< 10	2.74
B410953	0.3	< 0.5	178	1730	< 1	170	< 2	82	4.51	1070	< 10	< 10	< 0.5	< 2	0.09	69	307	14.2	10	1	0.03	< 10	2.67
B410954	0.4	< 0.5	257	1570	6	221	4	73	3.71	2280	< 10	< 10	< 0.5	< 2	0.59	70	524	11.5	10	< 1	0.02	< 10	2.28
B410955	1.0	< 0.5	581	1120	4	183	5	81	3.61	2970	< 10	22	< 0.5	< 2	0.31	71	431	10.8	10	< 1	0.12	< 10	2.32
B410956	0.9	< 0.5	537	1150	2	204	2	83	3.74	3720	< 10	21	< 0.5	< 2	0.34	81	454	11.2	10	< 1	0.11	< 10	2.39
B410957	1.2	< 0.5	871	856	3	136	3	68	2.61	1050	< 10	46	< 0.5	< 2	3.05	54	239	6.65	< 10	1	0.25	< 10	2.35
B410958	0.5	0.9	131	775	3	135	54	88	1.72	22	< 10	200	< 0.5	< 2	5.32	28	377	3.91	< 10	< 1	0.83	31	2.25
B410959	0.2	< 0.5	22	475	< 1	204	23	83	2.09	8	< 10	447	< 0.5	< 2	3.46	26	432	3.58	< 10	< 1	1.61	65	2.92
B410961	0.5	0.8	127	808	< 1	132	26	116	2.24	30	< 10	99	< 0.5	< 2	4.38	34	291	5.35	< 10	1	1.14	37	2.49
B410962	1.0	0.6	537	724	< 1	69	2	93	1.94	352	< 10	34	< 0.5	< 2	3.14	46	163	6.99	< 10	< 1	0.21	< 10	1.70
B410963	3.1	1.3	1400	900	< 1	106	5	93	2.34	31	< 10	166	< 0.5	< 2	4.49	44	265	5.71	< 10	2	0.81	< 10	2.20
B410964	0.4	< 0.5	266	760	< 1	93	< 2	67	2.31	24	< 10	161	< 0.5	< 2	3.70	39	215	5.31	< 10	1	0.81	< 10	2.06
B410965	0.3	< 0.5	206	820	< 1	92	< 2	62	2.27	13	< 10	77	< 0.5	< 2	3.97	39	182	5.56	< 10	2	0.46	< 10	1.95
B410966	0.3	< 0.5	241	859	< 1	81	< 2	58	2.24	10	< 10	51	< 0.5	< 2	4.09	38	144	5.65	< 10	2	0.26	< 10	1.91
B410967	0.2	< 0.5	169	860	< 1	90	< 2	61	2.39	8	< 10	94	< 0.5	< 2	3.60	42	153	6.36	< 10	2	0.55	< 10	2.01
B410968	0.3	< 0.5	196	854	< 1	82	< 2	63	2.36	18	< 10	109	< 0.5	< 2	3.85	40	158	6.08	< 10	< 1	0.54	< 10	2.05
B410969	0.2	< 0.5	179	822	< 1	77	< 2	57	2.25	20	< 10	50	< 0.5	< 2	4.06	39	151	5.86	< 10	< 1	0.24	< 10	2.00
B410970	< 0.2	< 0.5	2	119	< 1	2	< 2	3	0.10	< 2	< 10	< 10	< 0.5	< 2	0.03	< 1	13	1.01	< 10	< 1	0.01	< 10	0.01
B410971	0.2	< 0.5	261	842	< 1	72	4	63	2.30	31	< 10	28	< 0.5	< 2	3.69	39	160	5.74	< 10	2	0.14	< 10	1.95
B410972	0.3	< 0.5	158	926	< 1	64	< 2	62	2.36	40	< 10	14	< 0.5	< 2	3.77	39	136	5.63	< 10	< 1	0.09	< 10	2.00
B410973	0.2	< 0.5	132	987	2	87	< 2	73	3.12	61	< 10	< 10	< 0.5	< 2	3.11	44	190	6.85	< 10	< 1	0.08	< 10	2.46
B410974	< 0.2	< 0.5	296	776	< 1	78	< 2	60	1.74	14	< 10	32	< 0.5	< 2	3.12	40	113	5.77	< 10	2	0.14	< 10	1.63
B410975	< 0.2	< 0.5	109	938	< 1	72	< 2	65	2.24	10	< 10	173	< 0.5	< 2	4.21	32	135	5.55	< 10	< 1	0.66	< 10	1.92
B410976	< 0.2	< 0.5	108	885	< 1	81	< 2	60	2.00	11	< 10	131	< 0.5	< 2	3.89	35	122	5.34	< 10	2	0.51	< 10	1.77
B410977	0.3	< 0.5	277	768	< 1	42	< 2	58	1.71	48	< 10	15	< 0.5	< 2	3.05	41	26	5.78	< 10	2	0.10	< 10	1.31
B410978	< 0.2	< 0.5	194	766	3	40	< 2	64	1.85	52	< 10	< 10	< 0.5	< 2	2.97	37	34	5.67	< 10	1	0.08	< 10	1.39
B410979	< 0.2	< 0.5	208	787	2	38	< 2	56	1.53	34	< 10	12	< 0.5	< 2	3.07	37	45	5.09	< 10	< 1	0.10	< 10	1.32
B410981	0.2	< 0.5	353	815	< 1	40	< 2	67	1.85	30	< 10	< 10	< 0.5	< 2	3.07	39	42	5.82	< 10	1	0.08	< 10	1.39
B410982	0.3	< 0.5	322	831	< 1	50	< 2	62	1.95	15	< 10	21	< 0.5	< 2	3.20	42	26	6.87	< 10	< 1	0.10	< 10	1.41
B410983	0.3	< 0.5	287	812	< 1	38	< 2	63	1.76	23	< 10	24	< 0.5	< 2	2.63	38	20	6.18	< 10	1	0.15	< 10	1.37
B410984	0.3	< 0.5	279	820	1	35	< 2	65	1.66	27	< 10	17	< 0.5	< 2	2.77	36	16	6.25	< 10	1	0.13	< 10	1.28
B410985	0.3	< 0.5	248	931	2	49	< 2	81	2.41	21	< 10	114	< 0.5	< 2	3.65	39	44	7.11	< 10	< 1	0.40	< 10	1.65
B410986	< 0.2	< 0.5	226	774	1	38	< 2	59	1.66	43	< 10	< 10	< 0.5	< 2	2.57	39	30	5.38	< 10	< 1	0.09	< 10	1.33
B410987	0.4	< 0.5	284	802	< 1	46	< 2	70	1.97	39	< 10	< 10	< 0.5	< 2	2.76	42	40	6.16	< 10	2	0.07	< 10	1.50
B410988	0.3	< 0.5	318	754	< 1	45	< 2	60	1.72	43	< 10	< 10	< 0.5	< 2	2.80	42	43	5.47	< 10	< 1	0.08	< 10	1.36
B410989	0.3	< 0.5	235	796	< 1	46	< 2	55	1.65	48	< 10	12	< 0.5	< 2	3.13	40	52	5.33	< 10	< 1	0.12	< 10	1.44
B410990	< 0.2	< 0.5	2	104	< 1	2	< 2	< 2	0.07	< 2	< 10	< 10	< 0.5	< 2	0.01	< 1	13	0.93	< 10	< 1	0.01	< 10	< 0.01
B410991	0.2	< 0.5	195	828	2	55	< 2	81	1.98	31	< 10	30	< 0.5	< 2	3.15	43	71	5.84	< 10	1	0.13	< 10	1.56
B410992	0.4	0.6	334	806	13	56	< 2	153	1.89	39	< 10	19	< 0.5	< 2	3.07	41	57	5.90	< 10	3	0.11	< 10	1.55
B410993	0.3	< 0.5	277	685	6	58	< 2	78	2.11	25	< 10	13	< 0.5	< 2	2.26	45	59	6.14	< 10	< 1	0.10	< 10	1.91
B410994	< 0.2	< 0.5	234	606	4	41	< 2	40	1.62	22	< 10	< 10	< 0.5	< 2	2.40	34	54	5.22	< 10	< 1	0.05	< 10	1.56
B410995	< 0.2	< 0.5	237	572	5	32	< 2	34	1.30	31	< 10	< 10	< 0.5	< 2	1.95	34	32	5.16	< 10	< 1	0.05	< 10	1.40
B410996	< 0.2	< 0.5	247	563	4	33	< 2	34	1.30	36	< 10	< 10	< 0.5	< 2	1.91	37	33	5.27	< 10	< 1	0.05	< 10	1.40
B410997	< 0.2	< 0.5	284	635	9	34	< 2	42	1.45	32	< 10	< 10	< 0.5	< 2	2.36	39	29	6.31	< 10	1	0.07	< 10	1.38

## Results

## Activation Laboratories Ltd.

## Report: A21-09336

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2		0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B410998	< 0.2	< 0.5	123	692	8	37	< 2	55	1.67	32	< 10	< 10	< 0.5	< 2	2.33	40	34	6.32	< 10	1	0.07	< 10	1.50
B410999	< 0.2	< 0.5	123	820	7	45	< 2	56	2.13	16	< 10	< 10	< 0.5	< 2	2.74	39	30	6.50	< 10	2	0.05	< 10	1.72
B411001	0.5	< 0.5	262	731	4	40	< 2	51	2.12	11	< 10	< 10	< 0.5	< 2	2.50	38	25	6.92	< 10	1	0.12	< 10	1.70
B411002	0.5	< 0.5	257	847	< 1	48	3	54	2.60	11	< 10	18	< 0.5	< 2	3.50	38	54	7.19	< 10	< 1	0.19	< 10	1.96
B411003	0.6	< 0.5	209	945	5	56	< 2	55	2.89	191	< 10	< 10	< 0.5	< 2	2.70	45	44	7.44	< 10	1	0.11	< 10	1.92
B411004	0.6	0.7	327	1140	2	124	< 2	78	5.42	615	< 10	< 10	< 0.5	< 2	0.09	69	85	13.4	20	2	0.03	< 10	3.53
B411005	1.0	0.6	572	1560	3	120	< 2	75	4.82	683	< 10	14	< 0.5	< 2	0.06	74	94	12.9	10	1	0.05	< 10	2.43
B411006	0.4	< 0.5	239	1110	4	103	< 2	127	4.04	841	< 10	30	< 0.5	3	0.21	59	47	10.6	10	1	0.19	< 10	2.18
B411007	0.5	< 0.5	223	1070	45	24	< 2	83	2.73	11	< 10	112	< 0.5	< 2	3.50	40	1	8.83	< 10	2	1.03	< 10	1.68
B411008	0.8	< 0.5	249	914	5	27	< 2	78	2.17	6	< 10	75	< 0.5	< 2	2.88	38	1	8.66	< 10	< 1	0.65	< 10	1.58
B411009	0.7	< 0.5	204	846	3	24	< 2	71	1.94	7	< 10	69	< 0.5	< 2	2.66	37	1	7.75	< 10	2	0.48	< 10	1.44
B411010	< 0.2	< 0.5	2	101	< 1	2	2	2	0.09	3	< 10	11	< 0.5	< 2	0.02	< 1	12	0.98	< 10	< 1	0.02	< 10	0.02
B411011	1.5	< 0.5	370	705	8	21	< 2	55	1.52	15	< 10	13	< 0.5	< 2	2.25	31	2	6.17	< 10	2	0.14	< 10	1.17
B411012	0.8	< 0.5	225	684	8	21	< 2	47	1.60	12	< 10	< 10	< 0.5	< 2	2.62	29	2	5.81	< 10	< 1	0.13	< 10	1.12
B411013	0.7	< 0.5	187	463	4	24	< 2	29	1.23	16	< 10	< 10	< 0.5	< 2	2.44	24	4	3.85	< 10	< 1	0.06	< 10	0.74
B411014	0.6	< 0.5	252	797	6	39	< 2	61	2.27	24	< 10	< 10	< 0.5	< 2	2.98	42	1	6.90	< 10	2	0.11	< 10	1.52
B411015	0.6	< 0.5	298	745	3	42	< 2	59	2.04	18	< 10	11	< 0.5	< 2	2.91	38	1	6.58	< 10	< 1	0.14	< 10	1.42
B411016	0.6	< 0.5	322	733	4	40	< 2	57	2.00	16	< 10	10	< 0.5	< 2	2.92	36	1	6.41	< 10	2	0.13	< 10	1.39
B411017	< 0.2	< 0.5	8	354	< 1	170	< 2	44	1.76	< 2	< 10	119	< 0.5	< 2	0.93	23	590	2.76	< 10	< 1	0.37	< 10	2.20
B411018	0.8	< 0.5	249	569	1	61	< 2	45	1.64	2	< 10	15	< 0.5	< 2	1.75	49	55	5.70	< 10	< 1	0.09	< 10	1.66
B411019	0.5	< 0.5	203	582	4	89	< 2	48	1.77	2	< 10	130	< 0.5	< 2	1.90	41	159	5.24	< 10	1	0.36	< 10	1.85
B411020	< 0.2	< 0.5	49	575	< 1	119	10	89	2.17	11	< 10	71	0.7	< 2	1.22	34	60	5.33	< 10	1	0.14	16	1.68
B411021	< 0.2	< 0.5	6	399	< 1	142	2	41	1.56	3	< 10	68	< 0.5	< 2	1.26	20	411	2.60	< 10	< 1	0.17	10	2.04
B411022	0.4	< 0.5	181	533	2	115	< 2	52	2.04	3	< 10	46	< 0.5	< 2	1.47	31	255	4.82	< 10	< 1	0.12	< 10	2.17
B411023	0.6	< 0.5	372	700	4	59	3	38	2.01	3	< 10	24	< 0.5	< 2	2.45	107	40	6.76	< 10	1	0.26	< 10	1.51
B411024	0.9	< 0.5	481	803	6	67	< 2	48	2.49	3	< 10	48	< 0.5	< 2	2.33	46	47	7.09	< 10	< 1	0.14	< 10	2.00
B411025	0.7	< 0.5	247	639	6	83	< 2	62	2.72	3	< 10	182	< 0.5	< 2	1.40	45	105	6.43	< 10	< 1	0.63	< 10	2.44
B411026	< 0.2	< 0.5	7	418	< 1	171	< 2	45	2.16	2	< 10	119	< 0.5	< 2	1.38	26	518	3.07	< 10	< 1	0.59	11	2.41
B411027	< 0.2	< 0.5	4	412	< 1	148	< 2	42	1.84	< 2	< 10	85	< 0.5	< 2	1.32	23	454	2.82	< 10	< 1	0.50	11	2.18
B411028	< 0.2	< 0.5	9	469	< 1	183	< 2	54	2.43	< 2	< 10	84	< 0.5	< 2	1.63	26	516	3.23	< 10	< 1	0.72	10	2.61
B411029	0.4	< 0.5	47	340	< 1	113	< 2	44	2.43	8	< 10	248	< 0.5	< 2	0.93	21	278	2.90	< 10	< 1	1.09	19	2.30
B411030	< 0.2	< 0.5	2	66	< 1	2	< 2	6	0.07	< 2	< 10	11	< 0.5	< 2	0.02	< 1	9	0.60	< 10	< 1	0.01	< 10	0.02
B411031	< 0.2	< 0.5	7	215	4	8	4	17	1.39	2	< 10	89	< 0.5	< 2	0.18	6	4	1.38	< 10	< 1	0.72	13	0.79
B411032	< 0.2	< 0.5	12	395	1	54	3	36	1.78	< 2	< 10	72	< 0.5	< 2	1.02	13	138	2.24	< 10	< 1	0.88	13	1.42
B411033	0.4	< 0.5	119	655	8	187	< 2	30	1.13	4	< 10	41	< 0.5	< 2	3.77	46	229	3.55	< 10	< 1	0.13	< 10	1.55
B411034	0.8	< 0.5	214	765	4	229	2	43	1.86	< 2	< 10	150	< 0.5	< 2	4.21	50	368	4.39	< 10	< 1	0.54	11	2.09
B411035	0.8	< 0.5	244	549	11	247	3	49	2.14	3	< 10	176	< 0.5	< 2	3.56	40	417	3.53	< 10	< 1	0.71	19	2.21
B411036	0.6	< 0.5	213	505	9	233	6	50	2.17	2	< 10	193	< 0.5	< 2	3.25	39	424	3.36	< 10	< 1	0.74	20	2.20
B411037	9.8	< 0.5	1210	569	19	238	7	89	1.91	8	< 10	134	< 0.5	< 2	3.65	40	392	3.74	< 10	< 1	0.46	41	2.41
B412451	6.1	< 0.5	170	413	3	87	32	100	1.47	> 10000	< 10	15	< 0.5	< 2	0.97	39	107	7.55	< 10	< 1	0.14	< 10	1.30
B412452	6.7	< 0.5	196	323	< 1	153	24	63	1.39	4570	< 10	14	< 0.5	< 2	0.96	42	217	6.19	< 10	< 1	0.19	< 10	1.34
B412453	8.8	< 0.5	594	729	3	153	8	94	3.11	627	< 10	< 10	< 0.5	< 2	1.17	51	165	8.19	10	1	0.05	< 10	2.71
B412454	1.4	< 0.5	189	815	< 1	66	< 2	62	2.26	55	< 10	< 10	< 0.5	< 2	2.49	44	58	6.69	< 10	1	0.10	< 10	1.69
B412455	1.2	< 0.5	242	804	2	68	< 2	55	1.99	56	< 10	< 10	< 0.5	< 2	2.43	43	60	6.55	< 10	2	0.10	< 10	1.62
B412456	17.6	0.7	256	371	16	57	191	83	0.38	235	< 10	14	< 0.5	8	1.45	121	36	17.5	< 10	< 1	0.05	< 10	0.72
B412457	14.9	< 0.5	655	138	50	83	39	47	0.97	181	< 10	< 10	< 0.5	6	0.48	118	21	24.6	< 10	< 1	0.19	< 10	1.19
B412458	0.7	< 0.5	72	1360	2	119	5	43	0.48	5	< 10	23	< 0.5	< 2	6.15	29	187	6.25	< 10	< 1	0.06	< 10	3.44
B412459	3.7	< 0.5	22	453	3	63	31	77	1.46	6960	< 10	22	< 0.5	< 2	1.96	42	73	7.74	< 10	< 1	0.27	< 10	1.14
B412460	0.3	< 0.5	74	1300	1	109	< 2	70	1.83	1040	< 10	69	< 0.5	< 2	1.88	29	46	6.12	< 10	< 1	0.08	12	2.21
B412461	2.1	< 0.5	33	883	3	163	6	65	0.88	50	< 10	24	< 0.5	< 2	6.08	24	475	4.24	< 10	< 1	0.07	46	3.93
B412462	14.3	< 0.5	204	290	28	75	7	42	1.29	67	< 10	21	< 0.5	< 2	2.16	48	147	7.86	< 10	2	0.09	11	2.20

## Results

## Activation Laboratories Ltd.

## Report: A21-09336

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B412463	18.3	< 0.5	284	149	86	62	31	50	0.93	126	< 10	< 10	< 0.5	5	0.78	89	22	20.0	< 10	< 1	0.14	< 10	0.96
B412464	12.6	< 0.5	516	135	79	73	25	41	0.80	161	< 10	< 10	< 0.5	4	0.63	103	22	22.7	< 10	< 1	0.16	< 10	0.88
B412465	1.9	0.6	103	784	9	79	8	75	2.01	633	< 10	13	< 0.5	< 2	2.40	47	106	6.79	< 10	2	0.32	< 10	1.59
B412467	0.3	< 0.5	4	1140	< 1	46	< 2	67	1.01	12	< 10	26	< 0.5	< 2	6.26	28	52	6.37	< 10	2	0.06	< 10	3.57
B412468	0.6	< 0.5	669	417	6	57	5	20	1.20	178	< 10	70	< 0.5	< 2	2.38	35	64	6.32	< 10	1	0.33	< 10	0.83
B412901	< 0.2	< 0.5	148	525	24	52	< 2	47	2.14	5	< 10	37	< 0.5	< 2	2.48	35	96	4.13	< 10	< 1	0.28	< 10	1.65
B412902	3.6	< 0.5	130	589	1	279	3	113	2.67	75	< 10	16	< 0.5	< 2	4.72	32	689	3.99	< 10	< 1	0.03	27	4.13
B412903	0.8	< 0.5	37	270	1	30	10	69	0.99	6	< 10	156	< 0.5	< 2	1.47	11	49	2.24	< 10	< 1	0.13	20	0.84
B412904	1.1	0.5	25	284	1	30	12	75	1.10	6	< 10	305	< 0.5	< 2	1.13	11	50	2.30	< 10	< 1	0.30	21	0.87
B412905	0.4	< 0.5	25	240	1	26	5	36	0.79	9	< 10	82	< 0.5	< 2	0.91	9	50	1.89	< 10	< 1	0.09	21	0.67
B412906	1.3	< 0.5	58	366	< 1	201	5	33	1.76	19	< 10	219	< 0.5	< 2	2.44	32	628	2.93	< 10	< 1	0.77	58	2.39
B412907	2.6	< 0.5	82	365	6	227	3	81	1.95	37	< 10	628	< 0.5	< 2	1.89	35	605	3.05	< 10	< 1	0.98	68	2.71
B412908	0.8	< 0.5	47	390	< 1	195	5	38	1.96	26	< 10	180	< 0.5	< 2	2.41	34	710	3.19	< 10	< 1	1.38	60	2.61
B412909	8.0	< 0.5	95	540	6	95	27	49	1.08	2820	< 10	33	< 0.5	< 2	3.11	22	287	3.92	< 10	< 1	0.36	23	1.60
B412910	1.4	< 0.5	124	600	4	152	28	62	2.94	57	16	43	< 0.5	< 2	2.94	30	414	4.40	< 10	2	0.19	< 10	3.00
B412911	5.4	< 0.5	50	2320	3	4	9	44	0.39	672	< 10	< 10	< 0.5	< 2	9.22	4	2	4.08	< 10	3	0.02	< 10	5.60
B412912	61.4	< 0.5	95	1490	3	12	15	57	1.04	5790	< 10	36	< 0.5	< 2	5.64	13	6	5.35	< 10	< 1	0.22	< 10	2.78
B412913	1.9	< 0.5	74	816	1	19	7	78	1.77	36	< 10	83	< 0.5	< 2	3.43	28	9	5.93	< 10	< 1	0.56	< 10	1.81
B412914	0.9	< 0.5	86	770	169	21	< 2	83	3.13	8	< 10	65	< 0.5	< 2	1.29	42	9	8.90	10	2	0.25	< 10	2.25
B412915	1.0	< 0.5	141	844	14	42	< 2	58	2.97	8	< 10	84	< 0.5	< 2	2.73	36	35	6.15	< 10	3	0.34	< 10	2.23
B412916	< 0.2	< 0.5	48	566	< 1	118	9	88	2.13	11	< 10	70	0.6	< 2	1.22	34	59	5.20	< 10	2	0.14	15	1.64
B412917	1.1	0.6	108	670	1150	42	8	96	2.15	4	< 10	69	< 0.5	< 2	4.09	22	62	3.91	< 10	< 1	0.35	12	2.31
B412918	5.7	< 0.5	392	790	19	50	12	47	0.68	35	< 10	< 10	< 0.5	< 2	4.03	31	56	5.67	< 10	< 1	0.02	< 10	2.28
B412919	5.8	< 0.5	125	495	25	66	14	28	0.52	115	< 10	< 10	< 0.5	< 2	2.67	35	147	5.45	< 10	< 1	0.03	< 10	1.55
B412920	< 0.2	< 0.5	2	111	< 1	2	< 2	7	0.05	< 2	< 10	30	< 0.5	< 2	0.01	< 1	10	1.06	< 10	< 1	< 0.01	< 10	< 0.01
B412921	10.6	< 0.5	128	558	30	61	30	44	0.84	143	< 10	16	< 0.5	< 2	2.63	39	91	6.33	< 10	2	0.05	< 10	1.83
B412922	9.0	< 0.5	137	500	13	52	35	40	0.92	106	< 10	22	< 0.5	< 2	2.90	38	76	7.54	< 10	2	0.07	< 10	1.73
B412923	23.5	< 0.5	246	413	60	79	49	65	1.64	95	< 10	19	< 0.5	< 2	2.54	51	107	9.73	< 10	2	0.07	< 10	2.29
B412924	60.7	0.9	441	282	55	73	169	171	1.87	97	< 10	26	< 0.5	< 2	2.11	65	115	10.8	< 10	1	0.11	15	2.27
B412925	> 100	3.8	390	559	1040	67	503	262	3.28	88	< 10	39	< 0.5	4	4.32	57	42	11.0	10	3	0.17	13	3.12
B412926	6.2	< 0.5	104	573	633	90	11	154	4.00	18	< 10	230	< 0.5	< 2	3.53	44	122	7.12	10	< 1	0.24	< 10	3.36
B412927	1.5	< 0.5	190	761	104	116	3	65	3.44	2750	< 10	12	< 0.5	< 2	1.52	57	128	8.07	10	< 1	0.08	< 10	3.55
B412928	1.2	0.5	267	785	7	126	< 2	58	4.60	165	< 10	< 10	< 0.5	< 2	0.72	58	121	10.2	10	2	0.03	< 10	4.65
B412929	1.1	< 0.5	114	882	6	143	< 2	69	5.65	89	< 10	< 10	< 0.5	< 2	0.50	59	143	11.2	10	1	0.01	< 10	5.85
B412930	0.3	< 0.5	77	1310	2	109	< 2	71	1.82	1040	< 10	68	< 0.5	< 2	1.89	29	46	6.31	< 10	1	0.08	13	2.25
B412931	2.1	< 0.5	168	882	< 1	131	< 2	85	6.01	4170	< 10	< 10	< 0.5	< 2	0.38	51	146	11.8	20	< 1	0.02	< 10	6.11
B412932	7.6	< 0.5	200	769	5	117	21	59	3.26	8170	< 10	< 10	< 0.5	< 2	2.94	61	107	8.08	10	< 1	0.04	< 10	3.54
B412933	16.4	< 0.5	202	774	7	79	11	59	2.12	8640	< 10	< 10	< 0.5	< 2	5.83	39	52	7.37	< 10	< 1	0.07	< 10	2.71
B412934	0.8	< 0.5	223	655	6	56	< 2	47	1.63	2390	< 10	11	< 0.5	< 2	2.59	50	55	5.53	< 10	< 1	0.13	< 10	1.39
B412935	0.5	< 0.5	118	637	22	73	< 2	46	1.59	3970	< 10	< 10	< 0.5	< 2	2.36	56	69	5.69	< 10	< 1	0.10	< 10	1.41
B412936	< 0.2	< 0.5	3	177	< 1	1	2	9	0.08	7	< 10	13	< 0.5	< 2	0.02	2	10	1.03	< 10	< 1	< 0.01	< 10	0.01
B412937	0.4	< 0.5	224	636	3	58	< 2	51	1.60	993	< 10	10	< 0.5	< 2	2.77	54	57	5.24	< 10	2	0.09	< 10	1.33
B412938	0.5	< 0.5	272	628	2	47	< 2	48	1.54	454	< 10	< 10	< 0.5	< 2	2.32	45	44	5.18	< 10	1	0.07	< 10	1.43
B412939	0.6	< 0.5	289	629	2	47	< 2	45	1.38	254	< 10	< 10	< 0.5	< 2	2.28	43	46	4.78	< 10	< 1	0.05	< 10	1.32
B412940	1.4	< 0.5	123	594	4	152	28	62	2.88	56	17	43	< 0.5	< 2	2.93	31	411	4.35	< 10	< 1	0.19	< 10	2.96
B412941	0.4	< 0.5	212	626	1	45	< 2	40	1.40	135	< 10	< 10	< 0.5	< 2	2.08	42	49	4.79	< 10	< 1	0.04	< 10	1.28
B412942	0.5	< 0.5	280	604	5	49	< 2	40	1.41	1360	< 10	< 10	< 0.5	< 2	2.21	48	51	4.77	< 10	1	0.05	< 10	1.29
B412943	0.2	0.8	245	637	5	50	< 2	41	1.51	789	< 10	< 10	< 0.5	< 2	2.38	44	55	5.19	< 10	1	0.07	< 10	1.42
B412944	1.0	1.1	178	635	9	88	2	38	1.82	1000	< 10	< 10	< 0.5	< 2	1.65	63	110	6.33	< 10	< 1	0.05	< 10	1.98
B412945	16.5	< 0.5	227	910	31	106	11	78	3.12	> 10000	< 10	< 10	< 0.5	< 2	4.21	33	88	9.25	10	< 1	0.02	< 10	3.62
B412946	2.7	< 0.5	43	752	14	76	6	58	2.16	> 10000	< 10	< 10	< 0.5	< 2	5.30	34	87	5.99	< 10	< 1	0.01	< 10	2.55

## Results

## Activation Laboratories Ltd.

## Report: A21-09336

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2		0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B412947	2.1	0.7	519	885	< 1	93	2	88	3.18	431	< 10	< 10	< 0.5	< 2	2.21	44	176	7.66	10	< 1	0.02	< 10	3.21
B412948	1.1	< 0.5	270	782	3	67	5	99	2.65	163	< 10	< 10	< 0.5	< 2	2.79	43	90	7.12	< 10	1	0.03	< 10	2.37
B412949	8.4	< 0.5	176	142	1	30	23	23	0.40	> 10000	< 10	< 10	< 0.5	< 2	0.41	20	22	4.12	< 10	< 1	0.02	< 10	0.35
B412950	< 0.2	< 0.5	2	57	< 1	1	2	5	0.06	12	< 10	< 10	< 0.5	< 2	0.02	< 1	7	0.55	< 10	< 1	0.01	< 10	< 0.01
B412952	1.2	< 0.5	141	655	6	31	< 2	49	1.58	13	< 10	53	< 0.5	< 2	1.55	32	13	6.88	< 10	< 1	0.35	< 10	1.40
B412953	0.8	< 0.5	102	683	11	25	< 2	49	2.22	7	< 10	34	< 0.5	< 2	2.12	32	15	6.08	< 10	< 1	0.19	< 10	1.67
B412954	0.7	< 0.5	111	736	2	26	< 2	48	2.56	11	< 10	51	< 0.5	< 2	2.65	36	14	6.10	< 10	1	0.21	< 10	1.68
B412955	1.5	< 0.5	141	687	7	92	< 2	53	2.44	10	< 10	221	< 0.5	< 2	2.67	32	234	5.57	< 10	1	0.74	20	2.09
B412956	0.2	< 0.5	50	577	< 1	120	9	90	2.18	12	< 10	71	0.7	< 2	1.23	34	60	5.35	< 10	2	0.14	15	1.67
B412957	6.4	0.5	147	792	29	34	12	95	1.98	163	< 10	23	< 0.5	< 2	1.81	28	27	7.27	< 10	< 1	0.63	< 10	1.44
B412958	36.9	2.2	189	519	66	23	210	322	1.39	1240	< 10	41	< 0.5	< 2	0.45	64	12	6.41	< 10	< 1	0.52	< 10	0.94
B412959	3.4	< 0.5	213	789	7	36	7	88	2.34	19	< 10	55	< 0.5	< 2	1.95	28	15	7.73	< 10	3	0.48	< 10	1.71
B412960	< 0.2	< 0.5	3	57	< 1	1	< 2	6	0.06	< 2	< 10	< 10	< 0.5	< 2	0.02	< 1	7	0.56	< 10	< 1	< 0.01	< 10	< 0.01
B412961	7.4	1.0	484	523	42	62	14	148	1.55	10	< 10	< 10	< 0.5	< 2	0.61	49	16	9.43	< 10	< 1	0.60	< 10	1.18
B412962	8.4	< 0.5	154	675	42	47	15	100	2.80	1420	27	12	< 0.5	< 2	0.45	62	62	8.46	10	< 1	1.25	< 10	2.04
B412963	8.7	< 0.5	65	442	205	36	36	86	1.71	4540	19	14	< 0.5	< 2	0.90	37	37	6.58	< 10	< 1	0.79	< 10	1.29
B412964	42.4	0.8	57	194	328	44	168	81	1.04	4530	11	12	< 0.5	< 2	0.54	37	111	6.12	< 10	< 1	0.37	< 10	0.85
B412965	26.2	1.9	95	549	72	26	176	168	1.24	3530	13	27	< 0.5	< 2	3.26	35	11	7.05	< 10	< 1	0.24	< 10	0.93
B412966	87.2	0.6	114	61	52	16	99	74	0.40	> 10000	< 10	18	< 0.5	< 2	0.18	23	6	3.51	< 10	< 1	0.16	< 10	0.15
B412967	56.5	1.0	107	97	51	21	71	96	0.48	5340	< 10	25	< 0.5	< 2	0.20	28	8	4.27	< 10	< 1	0.18	< 10	0.17
B412968	66.0	0.6	283	78	55	11	53	59	0.23	1980	< 10	< 10	< 0.5	< 2	0.21	15	6	3.04	< 10	< 1	0.10	< 10	0.07
B412969	35.2	< 0.5	153	127	77	40	21	35	0.57	4410	< 10	32	< 0.5	< 2	0.24	25	61	4.08	< 10	< 1	0.15	< 10	0.33
B412970	< 0.2	< 0.5	2	57	< 1	1	< 2	11	0.07	2	< 10	13	< 0.5	< 2	< 0.01	< 1	7	0.54	< 10	< 1	0.01	< 10	< 0.01
B412971	2.5	< 0.5	46	919	5	17	7	72	2.07	46	< 10	54	< 0.5	< 2	4.78	23	8	5.57	< 10	2	0.47	13	2.38
B412972	1.4	< 0.5	53	819	34	33	3	70	2.82	53	11	25	< 0.5	< 2	2.42	36	27	6.13	< 10	2	0.28	17	1.86
B412973	13.9	< 0.5	183	570	137	75	10	57	2.04	> 10000	< 10	30	< 0.5	< 2	0.54	59	50	7.64	< 10	< 1	0.49	< 10	1.11
B412974	10.5	< 0.5	128	549	31	66	7	69	1.83	> 10000	< 10	17	< 0.5	< 2	0.76	40	47	6.46	< 10	< 1	0.34	< 10	1.09
B412975	4.4	< 0.5	80	444	66	46	3	37	1.63	8500	< 10	17	< 0.5	< 2	1.82	31	51	4.39	< 10	< 1	0.15	< 10	1.26
B412976	< 0.2	< 0.5	1	57	< 1	1	< 2	5	0.06	9	< 10	< 10	< 0.5	< 2	0.02	< 1	7	0.57	< 10	< 1	0.01	< 10	< 0.01
B412977	0.2	< 0.5	124	638	88	35	< 2	37	2.56	23	< 10	< 10	< 0.5	< 2	3.11	30	40	4.44	< 10	1	0.12	< 10	1.80
B412978	0.2	< 0.5	124	613	170	32	< 2	37	2.31	8	< 10	12	< 0.5	< 2	2.66	25	35	4.01	< 10	< 1	0.13	< 10	1.76
B412979	0.3	< 0.5	137	590	158	33	< 2	35	2.13	6	< 10	19	< 0.5	< 2	2.38	29	36	4.33	< 10	< 1	0.16	< 10	1.56
B412980	0.3	< 0.5	74	1290	2	109	4	70	1.81	1040	< 10	69	< 0.5	< 2	1.88	29	45	6.11	< 10	< 1	0.08	12	2.19
B412981	0.2	< 0.5	55	477	< 1	118	< 2	41	1.70	2	< 10	97	< 0.5	< 2	3.40	23	239	2.93	< 10	< 1	0.60	12	1.92
B412982	0.3	< 0.5	83	648	1	133	< 2	50	2.40	3	< 10	93	< 0.5	< 2	4.32	33	294	4.03	< 10	< 1	0.46	< 10	2.72
B412983	1.4	< 0.5	76	683	< 1	248	4	36	2.49	2	< 10	120	< 0.5	< 2	5.52	30	501	3.77	< 10	< 1	0.64	< 10	3.08
B412984	1.2	< 0.5	177	818	5	129	< 2	65	3.10	8	< 10	87	< 0.5	< 2	3.35	52	308	6.86	10	< 1	0.28	< 10	3.03
B412985	2.9	< 0.5	54	702	< 1	173	< 2	73	2.68	9	< 10	82	< 0.5	< 2	5.09	33	395	4.76	< 10	1	0.50	16	3.50
B412986	21.5	< 0.5	93	352	9	177	21	57	1.68	67	< 10	17	< 0.5	< 2	4.03	29	363	5.21	< 10	2	0.05	61	2.69
B412987	9.3	< 0.5	238	354	7	37	53	87	0.88	42	< 10	20	< 0.5	< 2	0.12	30	16	5.58	< 10	< 1	0.22	< 10	0.91
B412988	2.5	< 0.5	126	985	7	32	12	82	3.34	64	11	61	< 0.5	< 2	0.41	44	18	8.71	10	3	1.25	< 10	2.07
B412989	0.7	< 0.5	12	389	< 1	6	10	54	1.43	7	12	80	< 0.5	< 2	0.42	8	5	2.14	< 10	< 1	0.55	29	0.79
B412990	< 0.2	< 0.5	2	60	< 1	1	< 2	5	0.05	< 2	< 10	10	< 0.5	< 2	< 0.01	< 1	8	0.53	< 10	< 1	< 0.01	< 10	< 0.01
B412991	3.9	2.9	75	734	20	24	16	335	2.75	567	17	62	< 0.5	< 2	0.59	32	11	6.49	< 10	< 1	1.00	14	1.56
B412992	9.5	< 0.5	109	350	16	32	14	67	1.39	6680	< 10	18	< 0.5	< 2	0.41	60	9	8.30	< 10	< 1	0.69	< 10	0.70
B412993	47.6	14.8	126	120	22	16	27	1910	0.37	> 10000	< 10	< 10	< 0.5	< 2	2.16	17	4	3.68	< 10	< 1	0.14	< 10	0.19
B412994	15.7	0.5	87	122	6	12	23	66	0.44	4050	< 10	11	< 0.5	< 2	1.35	14	5	3.04	< 10	< 1	0.12	< 10	0.23
B412995	5.9	< 0.5	65	227	7	63	30	45	1.22	441	14	38	< 0.5	< 2	2.08	32	174	4.77	< 10	< 1	0.21	11	1.44
B412996	< 0.2	< 0.5	1	53	< 1	1	< 2	7	0.05	4	< 10	< 10	< 0.5	< 2	0.02	< 1	8	0.50	< 10	< 1	< 0.01	< 10	< 0.01
B412997	0.4	< 0.5	20	364	< 1	250	3	50	2.23	22	< 10	262	< 0.5	< 2	1.61	32	722	3.07	< 10	< 1	1.15	38	3.20
B412998	0.4	< 0.5	117	355	2	53	2	40	1.21	29	< 10	53	< 0.5	< 2	1.27	38	98	5.23	< 10	2	0.31	16	1.52

**Results**

**Activation Laboratories Ltd.**

**Report: A21-09336**

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B412999	< 0.2	< 0.5	46	532	< 1	19	2	39	1.33	29	< 10	24	< 0.5	< 2	2.64	29	24	4.56	< 10	< 1	0.12	17	1.25

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B410843	0.135	0.030	0.34	< 2	6	41	0.18	< 20	< 1	< 2	< 10	101	< 10	6	7
B410844	0.057	0.028	1.23	4	7	64	0.28	< 20	1	< 2	< 10	121	< 10	5	10
B410845	0.076	0.029	1.31	2	7	38	0.17	< 20	< 1	< 2	< 10	118	< 10	5	10
B410846	0.100	0.026	0.37	< 2	6	59	0.18	< 20	3	< 2	< 10	93	< 10	5	7
B410847	0.160	0.035	0.46	< 2	7	30	0.21	< 20	3	< 2	< 10	118	< 10	6	9
B410848	0.107	0.030	1.53	3	7	30	0.23	< 20	4	< 2	< 10	108	< 10	6	10
B410849	0.077	0.040	2.62	4	8	21	0.19	< 20	< 1	< 2	< 10	117	< 10	6	14
B410850	0.011	0.002	< 0.01	< 2	< 1	1	< 0.01	< 20	< 1	< 2	< 10	2	< 10	< 1	3
B410851	0.085	0.031	0.66	4	9	42	0.24	< 20	< 1	< 2	< 10	114	< 10	6	9
B410852	0.033	0.022	3.79	5	7	22	0.20	< 20	6	< 2	< 10	105	< 10	5	7
B410853	0.010	0.001	< 0.01	< 2	< 1	1	< 0.01	< 20	< 1	< 2	< 10	1	< 10	< 1	3
B410854	0.043	0.057	1.10	4	8	47	0.31	< 20	1	< 2	< 10	124	< 10	9	12
B410855	0.056	0.035	0.32	4	10	62	0.37	< 20	4	< 2	< 10	146	< 10	10	10
B410856	0.053	0.035	0.31	4	9	64	0.35	< 20	7	2	< 10	144	< 10	9	9
B410857	0.065	0.030	0.39	2	11	40	0.33	< 20	2	< 2	< 10	137	< 10	9	9
B410858	0.081	0.080	0.44	2	6	64	0.27	< 20	2	< 2	< 10	100	< 10	6	13
B410859	0.059	0.115	0.47	2	10	43	0.32	< 20	3	< 2	< 10	121	< 10	8	17
B410860	0.054	0.028	0.67	< 2	9	44	0.24	< 20	1	< 2	< 10	107	< 10	8	16
B410861	0.027	0.012	0.83	5	26	12	0.32	< 20	< 1	< 2	< 10	214	< 10	11	10
B410862	0.100	0.035	0.45	3	11	38	0.27	< 20	1	< 2	< 10	141	< 10	8	10
B410863	0.129	0.034	0.14	< 2	5	33	0.20	< 20	2	< 2	< 10	99	< 10	6	7
B410864	0.110	0.035	0.33	3	5	51	0.20	< 20	2	< 2	< 10	107	< 10	6	7
B410865	0.104	0.038	0.17	2	6	23	0.20	< 20	2	< 2	< 10	107	< 10	5	8
B410866	0.152	0.033	0.16	< 2	5	32	0.20	< 20	< 1	< 2	< 10	93	< 10	5	7
B410867	0.139	0.034	0.11	< 2	4	41	0.19	< 20	1	< 2	< 10	97	< 10	5	7
B410868	0.159	0.034	0.08	< 2	5	58	0.21	< 20	3	< 2	< 10	112	< 10	5	8
B410869	0.072	0.143	0.11	< 2	4	100	0.14	< 20	< 1	< 2	< 10	58	< 10	5	3
B410870	0.011	0.002	< 0.01	< 2	< 1	1	< 0.01	< 20	< 1	< 2	< 10	2	< 10	< 1	3
B410871	0.074	0.342	0.08	2	5	83	0.17	< 20	2	< 2	< 10	51	< 10	7	2
B410872	0.115	0.070	1.07	2	5	78	0.16	< 20	< 1	< 2	< 10	88	< 10	5	16
B410873	0.110	0.155	0.16	3	6	46	0.17	< 20	< 1	< 2	< 10	78	< 10	6	3
B410874	0.085	0.356	0.01	3	5	71	0.14	< 20	1	< 2	< 10	49	< 10	8	2
B410875	0.085	0.328	0.04	2	4	61	0.16	< 20	1	< 2	< 10	49	< 10	6	3
B410876	0.085	0.324	0.04	< 2	4	57	0.16	< 20	< 1	< 2	< 10	49	< 10	6	2
B410877	0.128	0.116	0.34	2	5	92	0.18	< 20	< 1	< 2	< 10	78	< 10	5	11
B410878	0.099	0.032	1.52	4	12	42	0.18	< 20	< 1	< 2	< 10	166	< 10	6	13
B410879	0.134	0.032	0.46	< 2	11	43	0.18	< 20	< 1	< 2	< 10	143	< 10	8	9
B410880	0.320	0.151	0.83	3	4	104	0.13	< 20	< 1	< 2	< 10	46	< 10	12	3
B410881	0.166	0.033	0.56	< 2	8	41	0.16	< 20	< 1	< 2	< 10	105	< 10	6	9
B410882	0.087	0.035	0.10	3	7	97	0.18	< 20	< 1	< 2	< 10	144	< 10	6	6
B410883	0.118	0.031	0.17	2	5	55	0.17	< 20	2	< 2	< 10	81	< 10	5	7
B410884	0.106	0.029	0.68	2	8	29	0.26	< 20	2	< 2	< 10	109	< 10	7	9
B410885	0.152	0.042	0.59	4	7	16	0.13	< 20	< 1	< 2	< 10	191	< 10	11	10
B410886	0.120	0.038	1.63	7	8	13	0.09	< 20	< 1	< 2	< 10	157	< 10	11	11
B410887	0.209	0.041	0.25	3	7	13	0.13	< 20	< 1	< 2	< 10	152	< 10	10	8
B410888	0.247	0.040	0.19	3	8	17	0.17	< 20	< 1	< 2	< 10	145	< 10	10	8
B410889	0.243	0.044	0.21	3	8	13	0.18	< 20	< 1	< 2	< 10	170	< 10	11	10
B410890	0.013	0.001	< 0.01	< 2	< 1	1	< 0.01	< 20	< 1	< 2	< 10	1	< 10	< 1	3
B410891	0.160	0.041	0.70	< 2	7	19	0.08	< 20	< 1	< 2	< 10	157	< 10	11	9
B410892	0.187	0.043	0.20	2	7	12	0.19	< 20	< 1	< 2	< 10	167	< 10	12	11
B410893	0.176	0.043	0.22	3	7	13	0.22	< 20	< 1	< 2	< 10	161	< 10	12	12

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B410894	0.192	0.045	0.26	3	7	8	0.20	< 20	< 1	< 2	< 10	153	< 10	13	12
B410895	0.133	0.041	0.54	3	9	12	0.16	< 20	< 1	< 2	< 10	155	< 10	12	12
B410896	0.130	0.038	0.86	3	8	12	0.14	< 20	< 1	< 2	< 10	142	< 10	12	11
B410897	0.020	0.045	0.74	4	17	3	0.09	< 20	< 1	< 2	< 10	238	< 10	16	14
B410898	0.026	0.040	0.68	5	16	4	0.12	< 20	< 1	< 2	< 10	201	13	19	17
B410899	0.025	0.038	1.01	3	17	5	0.12	< 20	< 1	< 2	< 10	233	11	13	15
B410900	0.302	0.093	0.02	< 2	5	100	0.23	< 20	< 1	< 2	< 10	49	< 10	11	3
B410901	0.025	0.033	1.38	5	19	2	0.11	< 20	< 1	< 2	< 10	283	20	15	16
B410902	0.016	0.043	0.53	4	15	2	0.10	< 20	< 1	< 2	< 10	253	< 10	14	11
B410903	0.026	0.039	1.98	4	16	4	0.19	< 20	< 1	< 2	< 10	241	< 10	13	18
B410904	0.098	0.041	2.63	4	11	12	0.23	< 20	< 1	< 2	< 10	193	< 10	12	18
B410905	0.100	0.041	0.71	4	11	8	0.13	< 20	< 1	< 2	< 10	192	< 10	12	12
B410906	0.095	0.044	1.61	5	12	17	0.23	< 20	2	< 2	< 10	213	< 10	11	16
B410907	0.077	0.039	2.22	5	8	23	0.24	< 20	2	< 2	< 10	174	< 10	10	16
B410908	0.165	0.044	0.15	3	8	14	0.11	< 20	< 1	< 2	< 10	191	< 10	13	11
B410909	0.170	0.043	0.25	3	9	17	0.16	< 20	< 1	< 2	< 10	184	< 10	13	10
B410910	0.013	0.001	< 0.01	< 2	< 1	2	< 0.01	< 20	< 1	< 2	< 10	2	< 10	< 1	4
B410911	0.197	0.044	0.26	3	8	15	0.17	< 20	< 1	< 2	< 10	182	< 10	12	10
B410912	0.216	0.044	0.46	4	9	15	0.16	< 20	< 1	< 2	< 10	158	< 10	11	11
B410913	0.234	0.045	0.33	3	9	16	0.19	< 20	< 1	< 2	< 10	150	< 10	12	14
B410914	0.200	0.045	0.70	3	8	18	0.19	< 20	< 1	< 2	< 10	132	< 10	11	13
B410915	0.241	0.046	0.58	3	9	12	0.20	< 20	< 1	< 2	< 10	149	< 10	11	16
B410916	0.245	0.048	0.55	4	10	11	0.18	< 20	< 1	< 2	< 10	155	< 10	11	15
B410917	0.201	0.049	0.56	3	10	13	0.22	< 20	< 1	< 2	< 10	171	< 10	13	14
B410918	0.248	0.044	0.49	3	9	12	0.19	< 20	< 1	< 2	< 10	143	< 10	11	11
B410919	0.160	0.046	1.03	6	9	16	0.14	< 20	< 1	< 2	< 10	171	< 10	12	13
B410920	0.059	0.030	0.73	2	9	47	0.25	< 20	1	< 2	< 10	114	< 10	8	13
B410921	0.056	0.026	2.20	34	6	37	0.08	< 20	< 1	< 2	< 10	101	< 10	6	9
B410922	0.063	0.031	1.07	6	11	37	0.16	< 20	4	< 2	< 10	127	< 10	7	11
B410923	0.092	0.029	0.52	3	6	37	0.15	< 20	3	< 2	< 10	77	< 10	5	8
B410924	0.064	0.025	1.31	4	8	59	0.19	< 20	< 1	2	< 10	109	< 10	6	9
B410925	0.110	0.029	0.14	2	4	51	0.25	< 20	3	< 2	< 10	97	< 10	4	8
B410926	0.118	0.027	0.08	< 2	4	35	0.20	< 20	< 1	2	< 10	77	< 10	4	7
B410927	0.100	0.029	0.14	< 2	5	61	0.22	< 20	< 1	< 2	< 10	101	< 10	5	6
B410928	0.051	0.021	1.55	4	10	76	0.23	< 20	< 1	< 2	< 10	122	< 10	5	10
B410929	0.126	0.035	1.11	3	11	40	0.28	< 20	3	< 2	< 10	154	< 10	7	11
B410930	0.014	0.002	< 0.01	< 2	< 1	1	< 0.01	< 20	< 1	< 2	< 10	1	< 10	< 1	3
B410931	0.147	0.031	0.13	3	8	59	0.28	< 20	3	< 2	< 10	119	< 10	6	9
B410932	0.186	0.034	0.27	2	9	37	0.24	< 20	1	< 2	< 10	108	< 10	8	6
B410933	0.188	0.032	0.19	< 2	8	43	0.23	< 20	4	< 2	< 10	103	< 10	7	6
B410934	0.171	0.033	0.18	< 2	7	58	0.26	< 20	< 1	< 2	< 10	107	< 10	7	7
B410935	0.129	0.033	0.43	3	6	35	0.28	< 20	3	< 2	< 10	105	< 10	6	8
B410936	0.126	0.033	0.45	2	6	31	0.28	< 20	2	< 2	< 10	106	< 10	6	8
B410937	0.085	0.036	0.53	5	7	25	0.32	< 20	2	< 2	< 10	138	< 10	7	9
B410938	0.084	0.030	0.31	3	7	25	0.33	< 20	4	< 2	< 10	120	< 10	9	8
B410939	0.085	0.032	0.42	4	11	47	0.35	< 20	2	< 2	< 10	143	< 10	10	9
B410940	0.307	0.150	0.83	7	4	101	0.12	< 20	< 1	< 2	< 10	46	< 10	11	3
B410941	0.046	0.055	0.53	< 2	10	96	0.39	< 20	1	< 2	< 10	166	< 10	11	9
B410942	0.150	0.047	0.26	4	11	63	0.36	< 20	2	< 2	< 10	182	< 10	13	10
B410943	0.128	0.045	0.34	4	11	70	0.29	< 20	< 1	< 2	< 10	177	< 10	13	10
B410944	0.058	0.041	1.70	4	10	40	0.24	< 20	< 1	< 2	< 10	164	< 10	10	13



Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B410945	0.109	0.047	3.14	5	11	28	0.20	< 20	< 1	< 2	< 10	171	< 10	11	18
B410946	0.203	0.051	0.34	5	10	24	0.25	< 20	< 1	< 2	< 10	167	< 10	13	12
B410947	0.291	0.050	0.19	4	11	29	0.20	< 20	< 1	< 2	< 10	166	< 10	14	10
B410948	0.272	0.048	0.13	3	10	26	0.23	< 20	< 1	< 2	< 10	167	< 10	15	12
B410949	0.203	0.044	1.03	4	9	23	0.19	< 20	< 1	< 2	< 10	164	< 10	12	15
B410950	0.018	0.002	< 0.01	< 2	< 1	1	< 0.01	< 20	< 1	< 2	< 10	1	< 10	< 1	3
B410951	0.088	0.044	1.11	5	15	14	0.18	< 20	< 1	< 2	< 10	195	< 10	15	12
B410952	0.023	0.022	0.73	5	26	3	0.14	< 20	< 1	< 2	< 10	235	< 10	10	10
B410953	0.016	0.014	1.10	7	36	3	0.09	< 20	< 1	< 2	< 10	254	14	9	12
B410954	0.028	0.006	0.66	6	25	11	0.07	< 20	< 1	< 2	< 10	217	10	9	11
B410955	0.038	0.019	0.60	5	23	7	0.08	< 20	< 1	< 2	< 10	199	< 10	7	13
B410956	0.043	0.020	0.75	6	25	7	0.08	< 20	< 1	< 2	< 10	213	< 10	7	14
B410957	0.122	0.032	0.41	3	11	58	0.12	< 20	< 1	< 2	< 10	131	< 10	6	10
B410958	0.083	0.137	0.32	3	5	237	0.16	< 20	< 1	< 2	< 10	73	< 10	7	5
B410959	0.122	0.239	0.10	3	4	252	0.11	< 20	< 1	< 2	< 10	84	< 10	10	1
B410961	0.087	0.181	0.65	3	6	224	0.21	< 20	< 1	< 2	< 10	108	< 10	9	7
B410962	0.124	0.039	0.85	4	6	68	0.15	< 20	< 1	< 2	< 10	132	< 10	7	14
B410963	0.137	0.027	0.32	< 2	7	104	0.23	< 20	< 1	< 2	< 10	92	< 10	5	9
B410964	0.154	0.030	0.24	< 2	7	100	0.24	< 20	< 1	< 2	< 10	91	< 10	5	8
B410965	0.146	0.031	0.51	< 2	7	90	0.23	< 20	< 1	< 2	< 10	95	< 10	5	9
B410966	0.188	0.033	0.34	2	8	68	0.22	< 20	< 1	< 2	< 10	101	< 10	6	8
B410967	0.201	0.032	0.44	3	9	51	0.24	< 20	< 1	< 2	< 10	115	< 10	7	10
B410968	0.177	0.033	0.23	2	8	58	0.26	< 20	4	< 2	< 10	109	< 10	7	10
B410969	0.164	0.033	0.14	2	8	56	0.26	< 20	1	< 2	< 10	104	< 10	6	9
B410970	0.013	0.002	< 0.01	< 2	< 1	2	< 0.01	< 20	< 1	< 2	< 10	2	< 10	< 1	3
B410971	0.185	0.032	0.15	2	10	58	0.24	< 20	1	< 2	< 10	108	< 10	7	9
B410972	0.187	0.034	0.11	< 2	10	53	0.19	< 20	2	< 2	< 10	106	< 10	7	8
B410973	0.190	0.038	0.13	3	13	54	0.21	< 20	2	< 2	< 10	133	< 10	9	9
B410974	0.147	0.032	0.56	2	8	36	0.27	< 20	2	< 2	< 10	105	< 10	7	6
B410975	0.130	0.033	0.25	2	7	50	0.23	< 20	1	< 2	< 10	98	< 10	6	8
B410976	0.136	0.033	0.33	< 2	7	42	0.21	< 20	3	< 2	< 10	94	< 10	6	8
B410977	0.201	0.036	0.48	< 2	8	18	0.20	< 20	2	< 2	< 10	102	< 10	7	6
B410978	0.196	0.037	0.31	< 2	8	18	0.21	< 20	< 1	< 2	< 10	104	< 10	8	6
B410979	0.217	0.034	0.11	< 2	8	17	0.20	< 20	< 1	< 2	< 10	98	< 10	7	6
B410981	0.241	0.038	0.21	< 2	9	24	0.22	< 20	< 1	< 2	< 10	107	< 10	9	6
B410982	0.240	0.040	0.93	2	10	24	0.23	< 20	< 1	< 2	< 10	121	< 10	9	8
B410983	0.249	0.039	0.30	2	9	20	0.23	< 20	< 1	< 2	< 10	120	< 10	8	8
B410984	0.252	0.039	0.12	< 2	8	23	0.23	< 20	< 1	< 2	< 10	122	< 10	9	8
B410985	0.242	0.039	0.34	2	9	37	0.23	< 20	2	< 2	< 10	129	< 10	9	6
B410986	0.243	0.037	0.11	< 2	9	18	0.24	< 20	3	< 2	< 10	107	< 10	8	7
B410987	0.240	0.038	0.32	< 2	9	22	0.25	< 20	2	< 2	< 10	111	< 10	8	7
B410988	0.230	0.037	0.29	2	9	20	0.23	< 20	2	< 2	< 10	102	< 10	8	6
B410989	0.234	0.034	0.13	2	9	22	0.28	< 20	2	< 2	< 10	103	< 10	9	5
B410990	0.014	0.002	< 0.01	< 2	< 1	1	< 0.01	< 20	< 1	< 2	< 10	1	< 10	< 1	3
B410991	0.212	0.033	0.38	3	10	21	0.22	< 20	< 1	< 2	< 10	109	< 10	8	5
B410992	0.237	0.034	0.25	3	10	17	0.24	< 20	1	< 2	< 10	108	< 10	8	5
B410993	0.227	0.036	0.28	2	9	8	0.21	< 20	1	< 2	< 10	110	< 10	7	8
B410994	0.178	0.036	0.12	< 2	8	11	0.20	< 20	2	< 2	< 10	99	< 10	7	7
B410995	0.199	0.039	0.04	< 2	8	8	0.22	< 20	< 1	< 2	< 10	105	< 10	7	8
B410996	0.201	0.040	0.04	< 2	8	8	0.21	< 20	2	< 2	< 10	107	< 10	7	8
B410997	0.192	0.039	0.10	3	7	12	0.22	< 20	2	< 2	< 10	122	< 10	8	9

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B410998	0.215	0.040	0.10	2	9	10	0.23	< 20	3	< 2	< 10	128	< 10	8	10
B410999	0.271	0.039	0.28	3	10	14	0.24	< 20	3	< 2	< 10	130	< 10	9	9
B411001	0.275	0.042	0.21	3	10	16	0.25	< 20	2	< 2	< 10	144	< 10	10	7
B411002	0.293	0.039	0.16	< 2	11	20	0.24	< 20	< 1	< 2	< 10	137	< 10	10	8
B411003	0.240	0.040	0.29	2	12	20	0.17	< 20	< 1	< 2	< 10	143	< 10	11	8
B411004	0.017	0.028	0.85	5	26	3	0.10	< 20	< 1	< 2	< 10	276	14	9	18
B411005	0.026	0.010	0.75	6	28	3	0.12	< 20	< 1	< 2	< 10	253	12	7	18
B411006	0.048	0.028	0.67	4	17	5	0.14	< 20	< 1	< 2	< 10	203	< 10	11	23
B411007	0.251	0.039	0.10	3	10	24	0.32	< 20	2	2	< 10	239	< 10	11	12
B411008	0.234	0.033	0.08	3	10	22	0.33	< 20	2	< 2	< 10	267	< 10	9	10
B411009	0.232	0.032	0.27	2	9	19	0.32	< 20	< 1	< 2	< 10	239	< 10	8	9
B411010	0.016	0.002	< 0.01	< 2	< 1	2	< 0.01	< 20	< 1	< 2	< 10	2	< 10	< 1	3
B411011	0.224	0.028	0.13	2	8	18	0.23	< 20	< 1	< 2	< 10	182	< 10	7	7
B411012	0.196	0.027	0.13	< 2	8	47	0.26	< 20	2	< 2	< 10	165	< 10	7	6
B411013	0.104	0.013	0.24	< 2	5	69	0.15	< 20	4	< 2	< 10	93	< 10	4	4
B411014	0.280	0.030	0.11	< 2	9	37	0.24	< 20	3	< 2	< 10	214	< 10	7	5
B411015	0.255	0.028	0.09	< 2	10	39	0.25	< 20	1	< 2	< 10	231	< 10	7	5
B411016	0.251	0.029	0.11	< 2	10	40	0.25	< 20	1	< 2	< 10	225	< 10	7	5
B411017	0.086	0.049	< 0.01	3	6	21	0.16	< 20	2	< 2	< 10	61	< 10	4	23
B411018	0.174	0.037	0.81	< 2	9	14	0.20	< 20	< 1	< 2	< 10	110	< 10	7	9
B411019	0.156	0.038	0.76	< 2	7	23	0.22	< 20	6	< 2	< 10	94	< 10	6	15
B411020	0.292	0.095	0.02	5	5	99	0.25	< 20	2	< 2	< 10	49	< 10	11	4
B411021	0.104	0.056	< 0.01	2	6	23	0.15	< 20	1	< 2	< 10	55	< 10	4	14
B411022	0.141	0.054	0.57	< 2	8	22	0.22	< 20	2	< 2	< 10	96	< 10	6	15
B411023	0.213	0.032	2.00	3	9	43	0.19	< 20	< 1	< 2	< 10	102	13	8	14
B411024	0.265	0.044	0.69	2	11	35	0.22	< 20	1	< 2	< 10	131	< 10	9	8
B411025	0.168	0.031	0.50	2	10	22	0.31	< 20	2	< 2	< 10	147	< 10	7	13
B411026	0.155	0.058	< 0.01	2	7	54	0.18	< 20	< 1	< 2	< 10	67	< 10	5	15
B411027	0.130	0.062	< 0.01	2	7	39	0.18	< 20	< 1	< 2	< 10	62	< 10	5	14
B411028	0.166	0.054	0.01	< 2	7	64	0.20	< 20	2	< 2	< 10	69	< 10	5	13
B411029	0.129	0.087	0.02	2	4	63	0.19	< 20	2	< 2	< 10	45	< 10	4	18
B411030	0.012	0.002	< 0.01	< 2	< 1	2	< 0.01	< 20	< 1	< 2	< 10	2	< 10	< 1	3
B411031	0.067	0.024	0.01	< 2	< 1	12	0.06	< 20	< 1	< 2	< 10	11	< 10	3	31
B411032	0.118	0.025	0.01	< 2	3	38	0.14	< 20	< 1	< 2	< 10	36	< 10	4	26
B411033	0.099	0.020	0.61	< 2	8	88	0.18	< 20	1	< 2	< 10	59	< 10	5	8
B411034	0.160	0.074	0.81	< 2	9	157	0.23	< 20	3	< 2	< 10	76	< 10	6	15
B411035	0.188	0.120	0.69	< 2	6	224	0.23	< 20	3	< 2	< 10	59	< 10	6	17
B411036	0.186	0.125	0.58	3	6	222	0.24	< 20	2	< 2	< 10	60	< 10	6	16
B411037	0.100	0.229	0.81	< 2	7	116	0.26	< 20	2	< 2	< 10	72	< 10	9	7
B412451	0.060	0.032	5.05	46	7	8	0.20	< 20	3	< 2	< 10	101	< 10	7	14
B412452	0.058	0.034	4.14	37	7	10	0.20	< 20	1	< 2	< 10	90	< 10	7	15
B412453	0.064	0.044	1.43	5	15	13	0.33	< 20	< 1	< 2	< 10	171	< 10	12	15
B412454	0.218	0.037	0.65	2	9	18	0.30	< 20	5	< 2	< 10	117	< 10	9	7
B412455	0.192	0.037	1.06	3	9	18	0.32	< 20	2	< 2	< 10	114	< 10	10	10
B412456	0.097	0.082	9.76	7	12	120	0.15	< 20	2	< 2	< 10	289	< 10	7	55
B412457	0.061	0.093	20.0	8	13	16	0.19	< 20	< 1	< 2	< 10	264	< 10	7	46
B412458	0.071	0.002	0.18	2	15	306	0.13	< 20	< 1	< 2	< 10	110	< 10	4	9
B412459	0.041	0.030	6.40	17	11	14	0.17	< 20	3	< 2	< 10	97	< 10	8	14
B412460	0.313	0.152	0.79	3	4	102	0.15	< 20	1	< 2	< 10	46	< 10	11	3
B412461	0.075	0.131	0.15	3	17	390	0.09	< 20	< 1	< 2	< 10	73	< 10	9	4
B412462	0.146	0.057	3.94	3	17	36	0.16	< 20	< 1	< 2	< 10	89	< 10	8	23

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B412463	0.083	0.089	13.7	7	13	27	0.17	< 20	4	< 2	< 10	236	< 10	9	61
B412464	0.081	0.089	17.7	8	15	25	0.19	< 20	< 1	< 2	< 10	248	< 10	9	61
B412465	0.028	0.035	5.20	7	14	18	0.30	< 20	4	< 2	< 10	137	< 10	11	12
B412467	0.058	0.021	0.02	< 2	19	305	0.13	< 20	< 1	< 2	< 10	120	< 10	6	10
B412468	0.090	0.031	0.77	< 2	7	5	0.38	< 20	4	< 2	< 10	129	< 10	8	10
B412901	0.133	0.022	0.29	< 2	8	55	0.22	< 20	3	< 2	< 10	101	< 10	6	6
B412902	0.047	0.104	0.05	4	10	185	0.06	< 20	< 1	< 2	< 10	84	< 10	5	4
B412903	0.144	0.064	0.03	< 2	3	51	0.13	< 20	2	< 2	< 10	44	< 10	5	12
B412904	0.161	0.063	0.02	< 2	4	43	0.16	< 20	4	< 2	< 10	48	< 10	5	15
B412905	0.140	0.064	0.02	< 2	3	41	0.15	< 20	2	< 2	< 10	40	< 10	5	10
B412906	0.136	0.268	0.28	3	7	139	0.25	< 20	2	< 2	< 10	64	< 10	7	5
B412907	0.168	0.248	0.21	3	7	116	0.24	< 20	2	< 2	< 10	63	< 10	8	5
B412908	0.104	0.269	0.32	4	6	115	0.29	< 20	1	< 2	< 10	76	< 10	7	5
B412909	0.068	0.120	1.61	7	5	74	0.15	< 20	< 1	< 2	< 10	54	< 10	6	20
B412910	0.057	0.029	0.68	4	9	45	0.25	< 20	3	< 2	< 10	109	< 10	8	17
B412911	0.019	0.003	1.05	< 2	2	94	0.02	< 20	< 1	< 2	< 10	21	< 10	4	3
B412912	0.087	0.015	1.17	8	8	58	0.07	< 20	1	< 2	< 10	70	< 10	7	7
B412913	0.144	0.039	1.22	< 2	12	37	0.19	< 20	3	< 2	< 10	137	< 10	9	13
B412914	0.133	0.066	0.69	3	22	29	0.21	< 20	< 1	< 2	< 10	251	< 10	13	17
B412915	0.234	0.035	0.89	< 2	16	48	0.22	< 20	< 1	< 2	< 10	152	< 10	9	12
B412916	0.287	0.093	0.01	< 2	5	97	0.25	< 20	< 1	< 2	< 10	48	< 10	10	4
B412917	0.131	0.066	0.22	< 2	9	55	0.12	< 20	< 1	< 2	< 10	70	39	8	10
B412918	0.085	0.011	0.65	2	13	195	0.11	< 20	< 1	< 2	< 10	115	< 10	3	12
B412919	0.115	0.030	2.45	2	11	119	0.10	< 20	2	< 2	< 10	85	< 10	3	13
B412920	0.016	0.002	< 0.01	< 2	< 1	2	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	3
B412921	0.107	0.037	2.56	3	14	129	0.11	< 20	< 1	< 2	< 10	107	< 10	3	15
B412922	0.117	0.094	3.53	3	13	105	0.11	< 20	1	< 2	< 10	135	< 10	7	20
B412923	0.097	0.162	4.20	5	18	101	0.12	< 20	3	< 2	< 10	204	< 10	10	21
B412924	0.074	0.149	5.29	5	23	64	0.13	< 20	< 1	< 2	< 10	227	< 10	10	29
B412925	0.043	0.072	3.71	6	29	80	0.10	< 20	1	< 2	< 10	245	< 10	7	15
B412926	0.080	0.036	0.56	2	17	95	0.07	< 20	< 1	< 2	< 10	163	< 10	5	7
B412927	0.110	0.045	1.02	4	14	12	0.27	< 20	< 1	< 2	< 10	183	< 10	9	12
B412928	0.043	0.043	1.35	5	14	5	0.31	< 20	< 1	< 2	< 10	194	< 10	9	12
B412929	0.017	0.045	1.00	3	17	3	0.34	< 20	< 1	< 2	< 10	233	< 10	10	11
B412930	0.312	0.155	0.80	3	4	100	0.15	< 20	< 1	< 2	< 10	46	< 10	11	3
B412931	0.020	0.046	1.10	6	18	3	0.23	< 20	< 1	< 2	< 10	244	< 10	8	11
B412932	0.032	0.033	2.23	13	14	37	0.17	< 20	3	< 2	< 10	178	< 10	7	11
B412933	0.063	0.033	2.94	22	7	46	0.13	< 20	1	< 2	< 10	94	< 10	5	8
B412934	0.250	0.036	0.29	3	9	14	0.23	< 20	2	< 2	< 10	112	< 10	8	6
B412935	0.235	0.037	0.65	< 2	9	13	0.22	< 20	< 1	< 2	< 10	118	< 10	8	8
B412936	0.015	0.002	< 0.01	< 2	< 1	2	< 0.01	< 20	< 1	< 2	< 10	2	< 10	< 1	3
B412937	0.250	0.036	0.15	2	8	28	0.24	< 20	6	< 2	< 10	105	< 10	8	6
B412938	0.249	0.038	0.22	< 2	9	18	0.24	< 20	3	< 2	< 10	104	< 10	8	6
B412939	0.211	0.037	0.22	< 2	8	29	0.27	< 20	1	< 2	< 10	95	< 10	7	6
B412940	0.057	0.029	0.67	< 2	9	44	0.25	< 20	3	< 2	< 10	108	< 10	8	16
B412941	0.193	0.035	0.23	2	7	30	0.32	< 20	7	< 2	< 10	94	< 10	8	6
B412942	0.189	0.037	0.21	2	7	25	0.28	< 20	2	< 2	< 10	94	< 10	8	6
B412943	0.227	0.035	0.22	2	8	13	0.32	< 20	2	< 2	< 10	102	< 10	9	8
B412944	0.138	0.041	0.83	4	9	10	0.44	< 20	4	< 2	< 10	137	< 10	11	18
B412945	0.061	0.035	2.53	67	9	23	0.14	< 20	< 1	< 2	< 10	142	< 10	5	10
B412946	0.046	0.030	1.25	41	6	38	0.12	< 20	3	< 2	< 10	97	< 10	4	8

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B412947	0.049	0.032	0.85	4	7	15	0.35	< 20	3	< 2	< 10	143	< 10	9	10
B412948	0.090	0.037	0.57	3	7	15	0.34	< 20	4	< 2	< 10	133	< 10	9	8
B412949	0.027	0.009	2.54	101	4	6	0.06	< 20	< 1	< 2	< 10	54	< 10	2	4
B412950	0.010	0.002	< 0.01	< 2	< 1	1	< 0.01	< 20	< 1	< 2	< 10	3	< 10	1	3
B412952	0.150	0.043	1.62	< 2	15	12	0.22	< 20	< 1	< 2	< 10	188	< 10	10	20
B412953	0.226	0.045	0.36	2	17	18	0.19	< 20	< 1	< 2	< 10	179	< 10	11	14
B412954	0.288	0.046	0.30	< 2	18	36	0.19	< 20	< 1	< 2	< 10	170	< 10	12	12
B412955	0.205	0.117	0.39	2	14	66	0.24	< 20	< 1	< 2	< 10	145	< 10	11	20
B412956	0.296	0.097	0.01	< 2	5	99	0.27	< 20	< 1	< 2	< 10	50	< 10	11	5
B412957	0.136	0.039	2.77	5	15	23	0.30	< 20	2	< 2	< 10	168	< 10	12	16
B412958	0.083	0.022	3.29	21	13	8	0.21	< 20	4	< 2	< 10	135	< 10	9	12
B412959	0.217	0.048	2.10	5	18	30	0.34	< 20	2	< 2	< 10	190	< 10	14	17
B412960	0.010	0.002	< 0.01	< 2	< 1	2	< 0.01	< 20	< 1	< 2	< 10	2	< 10	< 1	3
B412961	0.081	0.043	6.20	6	21	23	0.28	< 20	1	< 2	< 10	231	< 10	10	25
B412962	0.056	0.054	4.13	12	23	15	0.27	< 20	3	< 2	< 10	216	< 10	8	24
B412963	0.052	0.038	4.31	21	12	18	0.17	< 20	2	< 2	< 10	128	< 10	7	18
B412964	0.029	0.071	5.23	33	5	15	0.09	< 20	< 1	< 2	< 10	54	< 10	7	22
B412965	0.045	0.018	5.16	26	10	18	0.13	< 20	1	< 2	< 10	98	< 10	7	12
B412966	0.015	0.019	2.48	130	2	2	0.02	< 20	< 1	< 2	< 10	17	< 10	3	7
B412967	0.018	0.006	3.85	56	3	2	0.04	< 20	< 1	< 2	< 10	32	< 10	3	9
B412968	0.012	0.002	2.65	50	1	2	0.03	< 20	< 1	< 2	< 10	14	< 10	2	5
B412969	0.027	0.008	3.32	39	2	4	0.04	< 20	< 1	< 2	< 10	29	< 10	3	10
B412970	0.012	0.002	< 0.01	< 2	< 1	2	< 0.01	< 20	< 1	< 2	< 10	1	< 10	< 1	3
B412971	0.172	0.050	1.10	4	13	55	0.18	< 20	2	< 2	< 10	124	< 10	11	6
B412972	0.161	0.074	1.06	5	18	40	0.23	< 20	< 1	< 2	< 10	154	< 10	13	10
B412973	0.043	0.018	4.13	86	11	10	0.11	< 20	4	< 2	< 10	96	< 10	8	13
B412974	0.053	0.015	3.49	92	9	13	0.09	< 20	< 1	< 2	< 10	87	< 10	7	10
B412975	0.088	0.024	1.40	25	10	21	0.12	< 20	1	< 2	< 10	79	17	8	9
B412976	0.010	0.002	< 0.01	< 2	< 1	1	< 0.01	< 20	< 1	< 2	< 10	1	< 10	< 1	3
B412977	0.185	0.030	0.07	3	12	40	0.28	< 20	4	< 2	< 10	116	< 10	7	8
B412978	0.209	0.031	0.07	2	13	27	0.27	< 20	3	< 2	< 10	113	< 10	8	9
B412979	0.205	0.032	0.17	< 2	13	26	0.26	< 20	4	< 2	< 10	114	< 10	8	9
B412980	0.314	0.152	0.78	3	4	100	0.16	< 20	< 1	< 2	< 10	46	< 10	11	4
B412981	0.202	0.045	0.20	< 2	6	123	0.16	< 20	2	< 2	< 10	56	< 10	4	20
B412982	0.224	0.047	0.36	2	10	116	0.17	< 20	< 1	< 2	< 10	90	< 10	6	19
B412983	0.155	0.062	0.21	3	6	169	0.17	< 20	4	< 2	< 10	58	< 10	5	18
B412984	0.136	0.056	0.73	3	16	103	0.18	< 20	< 1	< 2	< 10	162	18	8	19
B412985	0.132	0.099	0.67	< 2	7	250	0.16	< 20	< 1	< 2	< 10	72	< 10	6	16
B412986	0.054	0.088	2.60	4	6	70	0.10	< 20	< 1	< 2	< 10	77	< 10	8	20
B412987	0.079	0.010	4.08	3	15	12	0.09	< 20	< 1	< 2	< 10	179	< 10	4	21
B412988	0.068	0.039	1.40	3	29	10	0.28	< 20	< 1	< 2	< 10	262	20	8	22
B412989	0.083	0.046	0.32	< 2	2	14	0.10	< 20	1	< 2	< 10	23	< 10	5	21
B412990	0.010	0.001	< 0.01	< 2	< 1	1	< 0.01	< 20	< 1	< 2	< 10	1	< 10	< 1	3
B412991	0.049	0.036	0.99	5	18	10	0.20	< 20	2	< 2	< 10	162	11	8	19
B412992	0.022	0.020	5.91	33	9	4	0.10	< 20	1	< 2	< 10	82	11	4	22
B412993	0.014	0.014	2.95	71	2	7	< 0.01	< 20	< 1	< 2	< 10	18	< 10	2	6
B412994	0.013	0.014	2.15	18	1	11	0.01	< 20	2	2	< 10	19	< 10	2	4
B412995	0.028	0.058	3.25	7	6	26	0.08	< 20	3	< 2	< 10	47	< 10	4	14
B412996	0.009	0.001	< 0.01	< 2	< 1	2	< 0.01	< 20	< 1	< 2	< 10	1	< 10	< 1	3
B412997	0.096	0.245	0.20	5	7	86	0.23	< 20	1	< 2	< 10	66	< 10	7	5
B412998	0.092	0.077	1.41	3	10	50	0.22	< 20	4	< 2	< 10	127	< 10	8	18

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B412999	0.088	0.084	0.53	2	9	66	0.21	< 20	2	< 2	< 10	117	< 10	8	19

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas	0.3	< 0.5	68	994	1	24	89	121	6.82	229	< 10	795	0.9	< 2	0.15	13	76	5.51	20	2	1.04	< 10	0.38
GXR-6 Cert	1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9	0.609
GXR-6 Meas	0.3	< 0.5	68	1010	1	24	91	123	6.94	233	< 10	811	0.9	< 2	0.15	13	77	5.50	20	< 1	1.06	< 10	0.38
GXR-6 Cert	1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9	0.609
GXR-6 Meas	0.3	< 0.5	69	1050	1	24	95	127	7.23	229	< 10	854	0.9	< 2	0.15	13	80	5.75	20	1	1.11	< 10	0.40
GXR-6 Cert	1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9	0.609
OREAS 922 (AQUA REGIA) Meas	0.8	< 0.5	2250	754	< 1	35	59	253	2.87	5		78	0.8	10	0.41	19	45	5.27	< 10		0.45	34	1.33
OREAS 922 (AQUA REGIA) Cert	0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5	1.33
OREAS 922 (AQUA REGIA) Meas	0.7	< 0.5	2100	731	< 1	32	55	251	2.77	7		80	0.8	8	0.40	19	44	5.00	< 10		0.46	34	1.27
OREAS 922 (AQUA REGIA) Cert	0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5	1.33
OREAS 922 (AQUA REGIA) Meas	0.7	< 0.5	2250	782	< 1	34	59	268	3.04	4		92	0.8	8	0.43	20	47	5.35	< 10		0.52	37	1.37
OREAS 922 (AQUA REGIA) Cert	0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5	1.33
OREAS 923 (AQUA REGIA) Meas	1.6	< 0.5	4250	831	< 1	33	77	322	2.81	5		68	0.7	19	0.41	20	41	5.79	< 10		0.40	31	1.36
OREAS 923 (AQUA REGIA) Cert	1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0	1.43
OREAS 923 (AQUA REGIA) Meas	1.6	< 0.5	4430	879	< 1	34	79	339	3.02	5		73	0.7	22	0.42	21	44	6.15	< 10		0.43	34	1.47
OREAS 923 (AQUA REGIA) Cert	1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0	1.43
Oreas 96 (Aqua Regia) Meas	10.7		> 10000				89	423						70		47							
Oreas 96 (Aqua Regia) Cert	11.50		39100.00				100	448						27.9		49.2							
OREAS 923 (4 Acid) Meas	1.7	< 0.5	4470	847	< 1	33	79	334	2.85	5		65	0.7	25	0.40	21	42	6.03	< 10		0.39	32	1.41
OREAS 923 (4 Acid) Cert	1.60	0.420	4230	950	0.930	35.8	83.0	345	7.29	7.61		434	2.42	21.4	0.473	23.1	71.0	6.43	20.3		2.51	42.2	1.69
Oreas 621 (Aqua Regia) Meas	67.0	284	3580	517	13	28	> 5000	> 10000	1.71	79			0.6	10	1.61	30	34	3.45	10	4	0.36	18	0.42
Oreas 621 (Aqua Regia) Cert	68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4	0.436
Oreas 621 (Aqua Regia) Meas	65.3	283	3540	510	13	25	> 5000	> 10000	1.70	77			0.6	6	1.61	31	30	3.35	< 10	4	0.35	17	0.41
Oreas 621 (Aqua Regia) Cert	68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4	0.436
Oreas 621 (Aqua Regia) Meas	68.4	293	3650	547	13	26	> 5000	> 10000	1.83	79			0.6	10	1.56	31	33	3.52	10	4	0.38	19	0.44
Oreas 621 (Aqua Regia) Cert	68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4	0.436
OREAS 45f (Aqua Regia) Meas			352	173	< 1	234	8	27	7.48			139	1.1	< 2	0.07	40	347	14.0	20	< 1	0.11	10	0.18
OREAS 45f (Aqua Regia) Cert			336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750	39.2	341	13.7	20.3	0.0310	0.0820	10.7	0.152

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2		0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Regia) Cert																							
B410855 Orig	0.2	< 0.5	180	986	< 1	98	< 2	61	2.90	50	< 10	< 10	< 0.5	< 2	5.64	40	231	7.83	< 10	< 1	0.03	< 10	2.82
B410855 Dup	0.2	< 0.5	179	984	< 1	96	< 2	61	2.89	53	< 10	< 10	< 0.5	< 2	5.57	41	231	7.70	< 10	< 1	0.03	< 10	2.80
B410869 Orig	< 0.2	< 0.5	74	480	< 1	131	< 2	41	1.52	3	< 10	30	< 0.5	< 2	3.32	22	377	3.11	< 10	< 1	0.08	31	1.91
B410869 Dup	< 0.2	< 0.5	71	471	< 1	127	< 2	40	1.49	5	< 10	30	< 0.5	< 2	3.25	20	368	3.01	< 10	< 1	0.08	30	1.87
B410882 Orig	< 0.2	< 0.5	117	968	< 1	76	< 2	79	2.79	5	< 10	< 10	< 0.5	< 2	4.39	35	187	7.61	< 10	2	0.03	< 10	2.38
B410882 Dup	< 0.2	< 0.5	115	956	< 1	72	< 2	78	2.74	3	< 10	< 10	< 0.5	< 2	4.35	34	185	7.38	< 10	2	0.03	< 10	2.33
B410892 Orig	0.4	< 0.5	199	679	< 1	16	< 2	91	2.35	30	< 10	84	< 0.5	< 2	2.74	42	2	7.72	< 10	< 1	0.42	< 10	1.23
B410892 Split PREP DUP	0.5	< 0.5	196	704	< 1	18	< 2	91	2.36	28	< 10	82	< 0.5	< 2	2.86	40	2	7.76	< 10	2	0.40	< 10	1.22
B410895 Orig	0.4	0.7	219	999	1	32	< 2	104	3.25	397	< 10	78	< 0.5	< 2	2.89	41	2	9.06	10	2	0.50	< 10	1.83
B410895 Dup	0.3	< 0.5	221	994	1	33	< 2	102	3.25	390	< 10	79	< 0.5	< 2	2.86	40	2	9.04	10	2	0.49	< 10	1.82
B410918 Orig	0.7	< 0.5	535	818	< 1	10	< 2	104	2.09	30	< 10	29	< 0.5	< 2	2.71	49	2	8.54	< 10	2	0.21	< 10	0.98
B410918 Dup	0.8	< 0.5	535	818	< 1	10	< 2	105	2.10	28	< 10	28	< 0.5	< 2	2.71	50	3	8.49	10	1	0.22	< 10	0.98
B410932 Orig	< 0.2	< 0.5	184	789	< 1	76	< 2	56	1.79	44	< 10	< 10	< 0.5	< 2	3.17	44	145	5.65	< 10	< 1	0.06	< 10	1.73
B410932 Dup	< 0.2	< 0.5	185	818	< 1	74	< 2	58	1.86	45	< 10	< 10	< 0.5	< 2	3.26	45	151	5.82	< 10	< 1	0.06	< 10	1.81
B410942 Orig	< 0.2	< 0.5	250	1040	< 1	8	< 2	76	2.77	55	< 10	23	< 0.5	< 2	3.08	49	< 1	11.1	10	< 1	0.34	< 10	1.51
B410942 Split PREP DUP	0.2	< 0.5	249	1050	< 1	8	< 2	75	2.78	53	< 10	22	< 0.5	2	3.13	47	< 1	11.0	10	< 1	0.34	< 10	1.49
B410944 Orig	0.3	< 0.5	559	1070	< 1	12	< 2	124	2.95	1360	< 10	50	< 0.5	< 2	2.97	43	1	9.62	10	2	0.40	< 10	1.89
B410944 Dup	0.3	< 0.5	545	1060	< 1	12	< 2	122	2.92	1330	< 10	50	< 0.5	< 2	3.31	43	1	9.48	10	< 1	0.39	< 10	1.87
B410958 Orig	0.5	0.8	129	779	3	134	53	89	1.71	23	< 10	203	< 0.5	< 2	5.34	29	377	3.91	< 10	< 1	0.82	31	2.25
B410958 Dup	0.6	0.9	133	772	3	136	54	88	1.72	21	< 10	197	< 0.5	< 2	5.29	27	377	3.92	< 10	< 1	0.83	32	2.25
B410959 Orig	0.2	< 0.5	22	478	< 1	205	24	83	2.10	8	< 10	448	< 0.5	< 2	3.47	25	438	3.60	< 10	< 1	1.62	65	2.94
B410959 Dup	0.2	< 0.5	22	472	< 1	203	23	82	2.07	9	< 10	445	< 0.5	< 2	3.44	26	426	3.57	< 10	< 1	1.60	65	2.89
B410974 Orig	< 0.2	< 0.5	296	780	< 1	78	< 2	59	1.76	14	< 10	31	< 0.5	< 2	3.13	40	113	5.81	< 10	2	0.14	< 10	1.64
B410974 Dup	< 0.2	< 0.5	296	772	< 1	78	< 2	60	1.73	14	< 10	33	< 0.5	< 2	3.11	40	113	5.74	< 10	1	0.14	< 10	1.62
B410979 Orig	< 0.2	< 0.5	209	790	2	38	< 2	56	1.53	34	< 10	12	< 0.5	< 2	3.08	37	45	5.12	< 10	< 1	0.10	< 10	1.33
B410979 Dup	< 0.2	< 0.5	208	784	2	38	< 2	56	1.52	33	< 10	12	< 0.5	< 2	3.06	37	45	5.07	< 10	< 1	0.10	< 10	1.31
B410988 Orig	0.3	< 0.5	319	756	< 1	45	< 2	60	1.72	43	< 10	< 10	< 0.5	< 2	2.81	42	43	5.46	< 10	1	0.08	< 10	1.36
B410988 Dup	0.4	< 0.5	318	753	< 1	45	< 2	60	1.72	43	< 10	< 10	< 0.5	< 2	2.80	42	43	5.48	< 10	< 1	0.08	< 10	1.37
B410992 Orig	0.4	0.6	334	806	13	56	< 2	153	1.89	39	< 10	19	< 0.5	< 2	3.07	41	57	5.90	< 10	3	0.11	< 10	1.55
B410992 Split PREP DUP	0.3	< 0.5	299	749	10	52	< 2	138	1.77	42	< 10	18	< 0.5	< 2	2.86	40	52	5.49	< 10	2	0.11	< 10	1.45
B410999 Orig	< 0.2	< 0.5	124	815	7	45	< 2	55	2.12	15	< 10	< 10	< 0.5	< 2	2.73	39	30	6.47	< 10	1	0.05	< 10	1.71
B410999 Dup	< 0.2	< 0.5	123	826	7	46	< 2	56	2.14	16	< 10	< 10	< 0.5	< 2	2.75	39	30	6.52	< 10	2	0.05	< 10	1.72
B411001 Orig	0.5	< 0.5	263	724	5	39	< 2	50	2.10	13	< 10	< 10	< 0.5	< 2	2.48	38	25	6.86	< 10	1	0.12	< 10	1.69
B411001 Dup	0.4	< 0.5	261	738	4	42	< 2	51	2.15	10	< 10	11	< 0.5	< 2	2.52	38	25	6.98	< 10	1	0.12	< 10	1.72
B411014 Orig	0.6	< 0.5	251	797	5	39	< 2	60	2.27	22	< 10	< 10	< 0.5	< 2	2.95	40	1	6.89	< 10	2	0.11	< 10	1.52
B411014 Dup	0.7	< 0.5	253	797	6	39	< 2	62	2.26	27	< 10	< 10	< 0.5	< 2	3.00	44	1	6.92	< 10	1	0.12	< 10	1.52
B411037 Orig	9.6	0.6	1200	571	19	239	8	89	1.91	8	< 10	136	< 0.5	< 2	3.66	40	392	3.75	< 10	< 1	0.46	41	2.42
B411037 Dup	9.9	< 0.5	1220	566	18	238	6	89	1.90	8	< 10	133	< 0.5	< 2	3.64	39	391	3.73	< 10	< 1	0.46	41	2.41
B412455 Orig	1.2	< 0.5	242	804	2	68	< 2	55	1.99	56	< 10	< 10	< 0.5	< 2	2.43	43	60	6.55	< 10	2	0.10	< 10	1.62
B412455 Split PREP DUP	1.2	< 0.5	244	807	2	67	< 2	55	2.03	55	< 10	< 10	< 0.5	< 2	2.45	43	59	6.64	< 10	< 1	0.11	< 10	1.63
B412463 Orig	18.9	< 0.5	285	149	86	62	30	49	0.93	126	< 10	< 10	< 0.5	4	0.79	88	22	20.0	< 10	< 1	0.14	< 10	0.96
B412463 Dup	17.8	< 0.5	284	150	85	63	31	50	0.93	125	< 10	< 10	< 0.5	6	0.77	89	22	20.0	< 10	< 1	0.14	< 10	0.96
B412909 Orig	9.9	< 0.5	96	547	6	96	27	49	1.11	2810	< 10	33	< 0.5	< 2	3.15	23	288	3.96	< 10	< 1	0.36	23	1.64
B412909 Dup	6.1	< 0.5	94	533	6	93	26	49	1.05	2840	< 10	34	< 0.5	< 2	3.07	22	285	3.87	< 10	< 1	0.36	23	1.57
B412923 Orig	22.7	< 0.5	245	413	60	79	49	65	1.64	95	< 10	19	< 0.5	2	2.54	51	106	9.75	< 10	1	0.07	< 10	2.29
B412923 Dup	24.4	< 0.5	246	413	60	80	48	65	1.64	95	< 10	19	< 0.5	< 2	2.55	51	107	9.72	< 10	3	0.07	< 10	2.28
B412938 Orig	0.5	< 0.5	272	628	2	47	< 2	48	1.54	454	< 10	< 10	< 0.5	< 2	2.32	45	44	5.18	< 10	1	0.07	< 10	1.43

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B412938 Split PREP DUP	0.5	< 0.5	275	628	3	46	< 2	47	1.52	425	< 10	< 10	< 0.5	< 2	2.32	45	44	5.11	< 10	< 1	0.06	< 10	1.42
B412938 Split PREP DUP	0.5	< 0.5	275	628	3	46	< 2	47	1.52	425	< 10	< 10	< 0.5	< 2	2.32	45	44	5.11	< 10	< 1	0.06	< 10	1.42
B412953 Orig	0.8	< 0.5	102	678	11	26	2	49	2.20	6	< 10	34	< 0.5	< 2	2.11	32	15	6.05	< 10	1	0.19	< 10	1.66
B412953 Dup	0.8	< 0.5	102	688	11	24	< 2	50	2.24	7	< 10	33	< 0.5	< 2	2.13	32	15	6.11	< 10	< 1	0.19	< 10	1.68
B412966 Orig	88.6	0.6	115	62	54	17	101	75	0.42	> 10000	< 10	19	< 0.5	< 2	0.18	23	6	3.56	< 10	< 1	0.17	< 10	0.15
B412966 Dup	85.8	0.6	112	60	50	16	97	73	0.38	> 10000	< 10	18	< 0.5	< 2	0.18	23	6	3.46	< 10	< 1	0.15	< 10	0.14
B412980 Orig	0.3	< 0.5	76	1310	2	111	3	71	1.79	1050	< 10	69	< 0.5	< 2	1.88	29	46	6.18	< 10	2	0.08	12	2.22
B412980 Dup	0.3	< 0.5	73	1270	2	108	6	70	1.83	1030	< 10	69	< 0.5	< 2	1.88	30	45	6.04	< 10	< 1	0.08	12	2.16
B412989 Orig	0.7	< 0.5	12	389	< 1	6	10	54	1.43	7	12	80	< 0.5	< 2	0.42	8	5	2.14	< 10	< 1	0.55	29	0.79
B412989 Split PREP DUP	0.7	< 0.5	13	371	< 1	6	11	51	1.38	8	11	77	< 0.5	< 2	0.40	9	5	2.08	< 10	< 1	0.52	28	0.76
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01



Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas	0.125	0.034	0.01	4	19	33		< 20	< 1	< 2	< 10	163	< 10	5	8
GXR-6 Cert	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
GXR-6 Meas	0.126	0.035	0.01	3	20	33		< 20	< 1	< 2	< 10	168	< 10	5	10
GXR-6 Cert	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
GXR-6 Meas	0.145	0.035	0.01	4	20	36		< 20	< 1	< 2	< 10	172	< 10	5	8
GXR-6 Cert	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
OREAS 922 (AQUA REGIA) Meas	0.027	0.065	0.36	2	4	17		< 20		< 2	< 10	34	< 10	19	22
OREAS 922 (AQUA REGIA) Cert	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas	0.028	0.063	0.34	2	4	16		< 20		< 2	< 10	35	< 10	19	18
OREAS 922 (AQUA REGIA) Cert	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas	0.034	0.065	0.38	2	4	18		< 20		< 2	< 10	38	< 10	21	13
OREAS 922 (AQUA REGIA) Cert	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 923 (AQUA REGIA) Meas		0.060	0.63	< 2	4	14		< 20		< 2	< 10	34	< 10	17	27
OREAS 923 (AQUA REGIA) Cert		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 923 (AQUA REGIA) Meas		0.061	0.68	3	4	15		< 20		< 2	< 10	37	< 10	19	19
OREAS 923 (AQUA REGIA) Cert		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
Oreas 96 (Aqua Regia) Meas			4.03	5											
Oreas 96 (Aqua Regia) Cert			4.38	4.53											
OREAS 923 (4 Acid) Meas	0.021	0.062	0.65	2	4	15	0.19	< 20		< 2	< 10	34	< 10	17	30
OREAS 923 (4 Acid) Cert	0.324	0.0630	0.691	1.29	13.1	43.0	0.405	16.5		0.860	3.06	91.0	4.85	26.4	116
Oreas 621 (Aqua Regia) Meas	0.151	0.034	4.31	111	2	19		< 20		< 2	< 10	12	< 10	7	64
Oreas 621 (Aqua Regia) Cert	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
Oreas 621 (Aqua Regia) Meas	0.149	0.034	4.27	108	2	18		< 20		< 2	< 10	12	< 10	7	65
Oreas 621 (Aqua Regia) Cert	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
Oreas 621 (Aqua Regia) Meas	0.162	0.035	4.49	117	2	19		< 20		< 2	< 10	13	< 10	7	69
Oreas 621 (Aqua Regia) Cert	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
OREAS 45f (Aqua Regia) Meas	0.044	0.022	0.02		28	16	0.14	< 20		< 2	< 10	204		5	18
OREAS 45f (Aqua Regia) Meas	0.0320	0.0220	0.0270		31.4	13.2	0.0970	7.67		0.120	1.09	217		6.74	30.0

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Regia) Cert															
B410855 Orig	0.057	0.035	0.32	4	10	62	0.37	< 20	3	< 2	< 10	147	< 10	10	10
B410855 Dup	0.054	0.035	0.32	4	10	62	0.36	< 20	5	< 2	< 10	145	< 10	10	9
B410869 Orig	0.073	0.145	0.11	< 2	4	101	0.14	< 20	< 1	< 2	< 10	58	< 10	5	3
B410869 Dup	0.072	0.142	0.10	< 2	4	99	0.13	< 20	< 1	< 2	< 10	57	< 10	5	3
B410882 Orig	0.089	0.035	0.10	3	8	98	0.18	< 20	< 1	< 2	< 10	145	< 10	6	5
B410882 Dup	0.084	0.035	0.10	3	7	96	0.18	< 20	2	< 2	< 10	143	< 10	6	6
B410892 Orig	0.187	0.043	0.20	2	7	12	0.19	< 20	< 1	< 2	< 10	167	< 10	12	11
B410892 Split PREP DUP	0.192	0.043	0.20	3	7	13	0.20	< 20	3	< 2	< 10	167	< 10	12	11
B410895 Orig	0.133	0.041	0.54	3	9	12	0.16	< 20	< 1	< 2	< 10	154	< 10	12	12
B410895 Dup	0.134	0.041	0.54	3	9	12	0.17	< 20	< 1	< 2	< 10	155	< 10	12	13
B410918 Orig	0.247	0.044	0.49	3	9	12	0.19	< 20	< 1	< 2	< 10	142	< 10	11	12
B410918 Dup	0.248	0.044	0.50	3	9	12	0.18	< 20	< 1	< 2	< 10	143	< 10	11	11
B410932 Orig	0.182	0.034	0.27	2	8	37	0.23	< 20	1	< 2	< 10	106	< 10	8	6
B410932 Dup	0.190	0.034	0.28	3	9	38	0.25	< 20	1	< 2	< 10	110	< 10	8	6
B410942 Orig	0.150	0.047	0.26	4	11	63	0.36	< 20	2	< 2	< 10	182	< 10	13	10
B410942 Split PREP DUP	0.151	0.046	0.27	4	10	67	0.37	< 20	4	< 2	< 10	179	< 10	14	10
B410944 Orig	0.058	0.041	1.54	4	10	40	0.24	< 20	< 1	< 2	< 10	165	< 10	10	12
B410944 Dup	0.057	0.040	1.86	4	10	40	0.24	< 20	2	< 2	< 10	163	< 10	10	13
B410958 Orig	0.084	0.137	0.32	3	5	236	0.16	< 20	< 1	< 2	< 10	73	< 10	7	5
B410958 Dup	0.082	0.137	0.32	3	5	238	0.16	< 20	< 1	< 2	< 10	72	< 10	7	4
B410959 Orig	0.126	0.243	0.10	3	4	255	0.11	< 20	< 1	< 2	< 10	86	< 10	10	1
B410959 Dup	0.118	0.235	0.10	2	4	249	0.10	< 20	< 1	< 2	< 10	83	< 10	10	1
B410974 Orig	0.147	0.032	0.55	2	8	36	0.27	< 20	3	< 2	< 10	105	< 10	7	6
B410974 Dup	0.147	0.032	0.56	2	8	36	0.27	< 20	1	< 2	< 10	104	< 10	7	6
B410979 Orig	0.218	0.035	0.11	2	8	17	0.20	< 20	6	< 2	< 10	98	< 10	7	6
B410979 Dup	0.216	0.034	0.11	< 2	8	17	0.20	< 20	< 1	< 2	< 10	97	< 10	7	6
B410988 Orig	0.229	0.037	0.29	2	9	20	0.23	< 20	1	< 2	< 10	102	< 10	8	6
B410988 Dup	0.231	0.037	0.29	2	9	20	0.23	< 20	2	< 2	< 10	101	< 10	8	6
B410992 Orig	0.237	0.034	0.25	3	10	17	0.24	< 20	1	< 2	< 10	108	< 10	8	5
B410992 Split PREP DUP	0.217	0.033	0.24	3	9	16	0.22	< 20	1	< 2	< 10	100	< 10	7	5
B410999 Orig	0.269	0.039	0.28	2	10	14	0.23	< 20	2	< 2	< 10	129	< 10	9	9
B410999 Dup	0.274	0.040	0.28	3	10	14	0.24	< 20	3	< 2	< 10	130	< 10	9	9
B411001 Orig	0.271	0.042	0.21	3	10	16	0.25	< 20	2	< 2	< 10	143	< 10	10	7
B411001 Dup	0.278	0.042	0.21	3	10	16	0.25	< 20	1	< 2	< 10	146	< 10	10	7
B411014 Orig	0.279	0.030	0.11	< 2	9	37	0.24	< 20	4	< 2	< 10	214	< 10	7	5
B411014 Dup	0.281	0.030	0.11	3	9	37	0.24	< 20	1	< 2	< 10	215	< 10	7	5
B411037 Orig	0.100	0.229	0.81	< 2	7	116	0.26	< 20	2	< 2	< 10	72	< 10	9	7
B411037 Dup	0.100	0.229	0.81	< 2	7	117	0.26	< 20	3	< 2	< 10	72	< 10	9	7
B412455 Orig	0.192	0.037	1.06	3	9	18	0.32	< 20	2	< 2	< 10	114	< 10	10	10
B412455 Split PREP DUP	0.196	0.037	1.07	3	9	18	0.31	< 20	4	< 2	< 10	116	< 10	10	9
B412463 Orig	0.083	0.089	13.9	7	13	27	0.17	< 20	3	< 2	< 10	234	< 10	9	61
B412463 Dup	0.084	0.089	13.6	6	13	26	0.17	< 20	4	< 2	< 10	238	< 10	9	61
B412909 Orig	0.071	0.121	1.64	7	5	75	0.16	< 20	2	< 2	< 10	55	< 10	6	20
B412909 Dup	0.064	0.119	1.59	7	5	73	0.15	< 20	< 1	< 2	< 10	53	< 10	5	20
B412923 Orig	0.096	0.162	4.18	5	18	101	0.12	< 20	2	< 2	< 10	204	< 10	10	20
B412923 Dup	0.097	0.162	4.22	5	18	102	0.13	< 20	4	< 2	< 10	205	< 10	10	22
B412938 Orig	0.249	0.038	0.22	< 2	9	18	0.24	< 20	3	< 2	< 10	104	< 10	8	6

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B412938 Split PREP DUP	0.247	0.037	0.22	< 2	9	18	0.25	< 20	< 1	< 2	< 10	104	< 10	8	6
B412938 Split PREP DUP	0.247	0.037	0.22	< 2	9	18	0.25	< 20	< 1	< 2	< 10	104	< 10	8	6
B412953 Orig	0.225	0.045	0.35	2	17	18	0.19	< 20	2	< 2	< 10	178	< 10	11	14
B412953 Dup	0.227	0.045	0.36	2	17	18	0.20	< 20	< 1	< 2	< 10	181	< 10	11	14
B412966 Orig	0.016	0.019	2.52	131	2	2	0.02	< 20	2	< 2	< 10	18	< 10	3	7
B412966 Dup	0.015	0.019	2.43	128	1	2	0.02	< 20	< 1	< 2	< 10	16	< 10	3	6
B412980 Orig	0.310	0.154	0.79	4	4	99	0.15	< 20	< 1	< 2	< 10	46	< 10	11	4
B412980 Dup	0.317	0.151	0.77	3	4	101	0.16	< 20	3	< 2	< 10	45	< 10	11	4
B412989 Orig	0.083	0.046	0.32	< 2	2	14	0.10	< 20	1	< 2	< 10	23	< 10	5	21
B412989 Split PREP DUP	0.081	0.044	0.34	< 2	2	14	0.10	< 20	2	< 2	< 10	21	< 10	5	22
Method Blank	0.006	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.008	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.006	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.009	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.008	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.008	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1



Report No.: A21-09845-1E3
Report Date: 18-Jun-21
Date Submitted: 01-Jun-21
Your Reference: LINGMAN LAKE WINTER 2021

SIGNATURE RESOURCES LTD
366 Bay Street, suite 200
Toronto ON M5H 4B2
Canada

ATTN: Robert Vallis

CERTIFICATE OF ANALYSIS

170 Core samples were submitted for analysis.

Table with 2 columns: The following analytical package(s) were requested: and Testing Date:
1E3-Tbay | QOP AquaGeo (Aqua Regia ICPOES) | 2021-06-15 19:34:35

REPORT A21-09845-1E3

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

Notes:

Values which exceed the upper limit should be assayed for accurate numbers.

Footnote: B411263 is insufficient



LabID: 673

ACTIVATION LABORATORIES LTD.
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CERTIFIED BY:

[Handwritten signature]

Emmanuel Esemé, Ph.D.
Quality Control Coordinator

## Results

## Activation Laboratories Ltd.

## Report: A21-09845

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2		0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B411213	< 0.2	< 0.5	54	728	< 1	209	3	85	2.76	4	< 10	141	< 0.5	< 2	4.05	28	487	4.19	< 10	2	0.55	32	3.60
B411214	0.4	< 0.5	33	757	< 1	239	6	81	3.12	14	< 10	153	< 0.5	< 2	6.06	29	433	4.28	< 10	1	0.86	67	4.16
B411215	0.9	< 0.5	101	616	3	23	3	47	2.01	6	13	22	< 0.5	< 2	1.92	29	14	5.35	< 10	< 1	0.09	10	2.12
B411216	0.4	< 0.5	106	659	3	25	< 2	49	2.23	5	11	15	< 0.5	< 2	2.10	29	13	6.00	< 10	2	0.07	< 10	2.38
B411217	0.7	< 0.5	137	684	12	27	< 2	43	2.22	4	11	16	< 0.5	< 2	2.26	34	17	5.97	< 10	2	0.11	< 10	2.26
B411218	1.7	< 0.5	130	657	36	29	3	46	2.56	48	21	47	< 0.5	2	1.90	48	13	7.19	< 10	< 1	0.41	< 10	2.74
B411219	2.8	< 0.5	190	812	145	38	7	61	2.91	29	17	37	< 0.5	< 2	0.97	38	29	8.30	10	< 1	1.11	< 10	2.72
B411220	0.3	< 0.5	78	1310	1	113	5	76	1.67	1040	< 10	69	< 0.5	< 2	2.01	28	46	5.92	< 10	< 1	0.08	12	2.28
B411221	5.0	< 0.5	444	790	18	41	22	76	2.07	164	< 10	18	< 0.5	< 2	0.13	32	7	8.73	< 10	1	1.30	< 10	1.30
B411222	1.5	< 0.5	118	509	29	61	16	40	1.45	23	< 10	16	< 0.5	< 2	1.49	47	102	6.05	< 10	1	0.74	18	1.60
B411223	< 0.2	< 0.5	1	588	34	120	3	33	1.28	22	< 10	48	< 0.5	< 2	3.03	20	322	2.41	< 10	< 1	0.26	46	2.21
B411224	< 0.2	< 0.5	9	683	42	47	3	20	1.08	10	< 10	20	< 0.5	< 2	5.72	11	109	2.13	< 10	< 1	0.11	18	2.95
B411225	< 0.2	< 0.5	15	464	5	74	4	26	1.76	16	< 10	77	< 0.5	< 2	3.17	18	224	2.34	< 10	< 1	0.35	26	1.88
B411226	< 0.2	< 0.5	75	526	4	163	5	49	2.39	20	< 10	245	< 0.5	< 2	3.43	34	467	3.57	< 10	2	1.18	46	3.06
B411227	< 0.2	< 0.5	29	447	6	19	2	22	1.96	10	< 10	31	< 0.5	2	2.75	19	7	2.51	< 10	< 1	0.17	< 10	1.13
B411228	0.2	< 0.5	71	607	12	46	< 2	39	3.11	3	< 10	98	< 0.5	< 2	3.40	27	49	4.47	< 10	1	0.37	< 10	1.89
B411229	0.3	< 0.5	47	532	1	204	< 2	44	1.82	7	< 10	85	< 0.5	< 2	2.72	29	444	3.16	< 10	< 1	0.20	13	2.46
B411230	< 0.2	< 0.5	< 1	58	< 1	< 1	< 2	< 2	0.06	< 2	< 10	< 10	< 0.5	< 2	0.09	< 1	5	0.47	< 10	< 1	0.01	< 10	0.02
B411231	1.9	< 0.5	176	551	7	211	16	36	1.35	38	< 10	14	< 0.5	< 2	2.58	85	537	5.33	< 10	1	0.05	< 10	2.07
B411232	< 0.2	< 0.5	34	548	35	87	< 2	29	0.83	3	< 10	< 10	< 0.5	< 2	3.82	22	314	2.52	< 10	< 1	0.04	< 10	1.65
B411233	1.0	< 0.5	293	630	5	212	6	34	1.39	< 2	< 10	19	< 0.5	< 2	2.97	43	459	4.84	< 10	< 1	0.09	< 10	1.89
B411234	0.8	< 0.5	237	688	3	250	6	28	1.17	7	< 10	36	< 0.5	< 2	3.13	71	293	5.03	< 10	< 1	0.13	< 10	1.45
B411235	0.3	< 0.5	87	528	5	124	3	21	0.69	3	< 10	20	< 0.5	< 2	3.21	32	160	2.29	< 10	< 1	0.04	< 10	0.95
B411236	0.3	< 0.5	69	531	6	124	3	22	0.79	2	< 10	23	< 0.5	< 2	3.11	32	190	2.26	< 10	< 1	0.05	< 10	1.04
B411237	0.3	< 0.5	79	520	5	115	3	26	0.82	< 2	< 10	13	< 0.5	< 2	3.20	30	160	2.48	< 10	< 1	0.06	< 10	1.28
B411238	0.6	< 0.5	152	637	3	168	6	37	1.27	3	< 10	22	< 0.5	< 2	3.42	47	197	4.27	< 10	2	0.08	< 10	1.86
B411239	0.8	< 0.5	177	564	4	79	2	32	1.01	2	< 10	< 10	< 0.5	< 2	2.90	29	123	3.10	< 10	< 1	0.04	< 10	1.49
B411240	1.6	< 0.5	130	616	4	154	36	66	2.75	54	17	48	< 0.5	< 2	3.23	31	413	4.27	< 10	2	0.21	< 10	3.10
B411241	0.8	< 0.5	167	590	8	127	< 2	38	1.43	2	< 10	58	< 0.5	< 2	2.36	34	243	4.04	< 10	1	0.28	10	1.88
B411242	0.9	< 0.5	157	666	15	139	6	65	1.63	< 2	< 10	131	< 0.5	< 2	1.84	40	152	5.22	< 10	1	0.59	< 10	1.82
B411243	0.5	< 0.5	81	587	10	62	2	47	1.57	4	< 10	40	< 0.5	< 2	1.91	30	66	4.37	< 10	2	0.17	< 10	1.64
B411244	0.5	< 0.5	106	473	17	144	4	35	1.92	8	< 10	85	< 0.5	< 2	1.67	38	183	4.52	< 10	1	0.33	< 10	2.21
B411245	0.4	< 0.5	70	377	16	105	< 2	30	1.17	5	< 10	113	< 0.5	< 2	1.94	24	258	2.58	< 10	< 1	0.27	< 10	1.81
B411246	1.5	< 0.5	132	416	13	179	6	36	1.33	7	< 10	102	< 0.5	< 2	3.03	32	349	2.61	< 10	< 1	0.17	24	2.15
B411247	< 0.2	< 0.5	59	570	7	263	4	57	2.33	5	< 10	30	< 0.5	< 2	4.81	30	473	3.29	< 10	< 1	0.13	56	3.42
B411248	1.1	< 0.5	181	644	14	278	6	77	3.19	3	< 10	231	< 0.5	< 2	5.80	38	518	4.99	< 10	2	1.17	29	4.65
B411249	0.3	< 0.5	37	324	< 1	105	4	42	1.51	2	< 10	66	< 0.5	< 2	2.70	19	228	2.54	< 10	< 1	0.17	17	2.26
B411250	< 0.2	< 0.5	< 1	94	< 1	< 1	2	2	0.07	< 2	< 10	12	< 0.5	< 2	0.05	< 1	5	0.52	< 10	< 1	0.01	< 10	0.01
B411251	0.7	< 0.5	62	531	2	221	6	43	1.94	9	< 10	584	< 0.5	< 2	3.97	30	630	3.16	< 10	< 1	1.00	51	3.08
B411252	0.4	< 0.5	82	388	4	214	8	40	1.54	4	< 10	390	< 0.5	< 2	2.72	30	488	2.56	< 10	< 1	0.64	40	2.23
B411253	0.4	< 0.5	83	393	2	218	6	42	1.60	3	< 10	356	< 0.5	< 2	2.76	30	506	2.65	< 10	< 1	0.65	44	2.34
B411254	0.8	< 0.5	172	411	19	170	5	31	1.24	3	< 10	191	< 0.5	< 2	3.17	32	235	2.24	< 10	< 1	0.39	14	1.45
B411255	0.8	< 0.5	249	787	1	466	< 2	91	2.55	< 2	< 10	96	< 0.5	< 2	6.24	44	668	4.52	< 10	2	1.21	20	3.18
B411256	13.8	2.3	1950	775	159	572	18	321	2.09	8	< 10	36	< 0.5	< 2	4.58	204	231	7.64	< 10	1	1.06	< 10	1.99
B411257	< 0.2	< 0.5	3	56	< 1	1	< 2	2	0.07	< 2	< 10	11	< 0.5	< 2	0.03	< 1	5	0.43	< 10	< 1	0.02	< 10	0.01
B411258	2.5	< 0.5	566	564	90	364	7	78	2.33	25	< 10	46	< 0.5	< 2	2.94	96	241	4.38	< 10	2	0.81	15	1.68
B411259	< 0.2	< 0.5	2	57	< 1	< 1	< 2	< 2	0.06	< 2	< 10	< 10	< 0.5	< 2	0.01	< 1	5	0.50	< 10	< 1	0.01	< 10	< 0.01
B411260	0.9	< 0.5	111	421	< 1	173	4	35	2.11	2	< 10	110	< 0.5	< 2	3.21	25	426	2.45	< 10	< 1	1.04	< 10	2.00
B411261	1.7	< 0.5	259	368	6	141	< 2	42	1.32	13	< 10	75	< 0.5	< 2	1.85	38	308	2.46	< 10	< 1	0.67	< 10	1.63
B411262	0.4	< 0.5	65	462	1	110	< 2	46	1.71	28	< 10	109	< 0.5	< 2	1.85	29	329	2.99	< 10	< 1	0.86	< 10	1.84
B411264	< 0.2	< 0.5	< 1	61	< 1	< 1	< 2	3	0.06	< 2	< 10	11	< 0.5	< 2	0.03	< 1	5	0.48	< 10	< 1	< 0.01	< 10	< 0.01

## Results

## Activation Laboratories Ltd.

## Report: A21-09845

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2		0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B411265	< 0.2	< 0.5	8	444	< 1	104	< 2	35	1.26	17	< 10	33	< 0.5	< 2	2.69	19	328	1.97	< 10	< 1	0.29	< 10	1.80
B411266	0.3	< 0.5	13	666	< 1	131	< 2	67	2.08	12	< 10	39	< 0.5	< 2	3.40	21	405	2.94	< 10	< 1	0.39	< 10	2.43
B411267	1.3	0.9	84	1090	1	150	< 2	126	2.62	< 2	< 10	55	< 0.5	< 2	8.58	24	351	4.17	< 10	< 1	0.64	< 10	4.22
B411268	1.9	< 0.5	62	996	2	286	3	97	3.24	22	< 10	63	< 0.5	< 2	6.50	32	629	4.60	< 10	1	0.69	< 10	3.40
B411269	0.9	< 0.5	101	672	54	48	3	51	2.07	11	< 10	59	< 0.5	< 2	2.53	33	63	5.59	< 10	< 1	0.39	< 10	2.01
B411270	0.7	< 0.5	146	655	42	25	< 2	52	2.18	8	< 10	46	< 0.5	< 2	2.14	33	12	5.69	< 10	1	0.35	< 10	1.76
B411271	0.7	< 0.5	130	760	104	23	< 2	51	2.33	6	< 10	44	< 0.5	< 2	3.08	32	13	5.61	< 10	< 1	0.27	< 10	1.91
B411272	0.6	< 0.5	108	713	8	23	< 2	56	2.19	4	< 10	66	< 0.5	< 2	2.56	28	12	5.27	< 10	2	0.34	< 10	1.73
B411273	6.5	< 0.5	174	709	94	39	7	50	1.82	17	< 10	33	< 0.5	< 2	2.09	34	31	6.84	< 10	< 1	0.38	< 10	1.59
B411274	3.2	< 0.5	138	986	17	40	6	93	3.35	406	15	37	< 0.5	< 2	0.97	46	20	9.19	10	1	0.74	< 10	2.33
B411275	14.5	0.5	134	834	21	54	22	114	3.00	2560	17	35	< 0.5	< 2	0.44	52	72	9.24	10	< 1	1.07	< 10	2.20
B411276	4.5	< 0.5	126	873	26	49	14	108	3.06	1470	15	40	< 0.5	< 2	0.47	48	62	9.12	10	< 1	1.09	< 10	2.19
B411277	7.0	< 0.5	106	600	85	90	9	67	2.51	2360	19	22	< 0.5	< 2	1.27	47	164	7.38	< 10	< 1	0.84	< 10	2.33
B411278	20.7	16.9	120	566	22	27	664	2630	2.17	2790	19	35	< 0.5	< 2	1.96	29	17	4.71	< 10	< 1	0.37	< 10	1.57
B411279	3.1	< 0.5	93	667	26	87	6	47	3.72	97	18	73	< 0.5	< 2	1.93	38	108	5.42	< 10	< 1	1.00	< 10	2.03
B411280	0.2	0.5	51	584	< 1	124	12	95	2.07	14	< 10	76	0.7	2	1.36	33	60	5.07	< 10	2	0.15	< 10	1.70
B411281	0.2	< 0.5	73	625	61	62	< 2	38	3.92	< 2	10	77	< 0.5	< 2	3.68	28	95	3.81	< 10	2	0.98	< 10	2.18
B411282	< 0.2	< 0.5	90	446	55	47	< 2	30	2.50	4	< 10	38	< 0.5	< 2	2.77	23	75	2.86	< 10	< 1	0.57	< 10	1.61
B411283	< 0.2	< 0.5	20	572	< 1	120	3	31	0.95	15	< 10	89	< 0.5	< 2	5.14	16	325	1.90	< 10	< 1	0.20	< 10	1.52
B411284	1.4	< 0.5	365	764	< 1	110	5	63	1.67	15	< 10	51	< 0.5	< 2	4.20	47	241	5.82	< 10	2	0.15	< 10	1.91
B411285	1.1	< 0.5	228	859	< 1	87	3	104	2.40	< 2	< 10	20	< 0.5	< 2	3.43	38	197	7.52	< 10	< 1	0.09	< 10	2.75
B411286	0.5	< 0.5	217	775	< 1	72	4	72	1.94	< 2	< 10	< 10	< 0.5	< 2	3.01	41	146	6.55	< 10	< 1	0.04	< 10	1.99
B411287	0.4	< 0.5	140	927	< 1	93	< 2	140	3.20	2	< 10	< 10	< 0.5	< 2	1.86	31	156	7.44	< 10	1	0.04	< 10	3.26
B411288	6.0	0.6	3490	1250	2	266	6	99	3.10	71	< 10	< 10	< 0.5	5	0.81	82	172	9.84	< 10	2	0.02	< 10	2.52
B411289	0.5	< 0.5	214	1390	< 1	122	< 2	80	4.51	332	< 10	< 10	< 0.5	< 2	0.07	65	132	13.0	20	< 1	0.02	< 10	2.53
B411290	0.3	< 0.5	11	79	< 1	9	50	67	1.20	7	27	159	< 0.5	< 2	> 10.0	1	21	1.16	< 10	< 1	0.07	< 10	1.56
B411291	1.2	< 0.5	280	1080	16	96	11	71	3.34	11	< 10	13	< 0.5	< 2	0.43	50	76	10.6	10	2	0.05	< 10	2.23
B411292	0.4	< 0.5	130	740	1	16	3	59	1.15	10	< 10	27	< 0.5	< 2	2.30	37	< 1	8.49	< 10	1	0.10	< 10	1.01
B411293	0.2	< 0.5	55	715	12	4	5	68	1.04	14	< 10	16	< 0.5	< 2	2.02	30	< 1	6.99	< 10	< 1	0.07	< 10	0.80
B411294	0.3	< 0.5	76	818	4	4	< 2	87	1.32	12	< 10	< 10	< 0.5	< 2	1.80	31	< 1	8.65	< 10	1	0.05	< 10	0.90
B411295	0.7	< 0.5	249	802	6	10	7	79	1.43	3	< 10	51	< 0.5	< 2	1.82	34	< 1	8.91	< 10	1	0.16	< 10	1.06
B411296	0.8	< 0.5	240	750	6	9	7	77	1.37	5	< 10	49	< 0.5	< 2	1.64	40	< 1	8.92	< 10	< 1	0.17	< 10	1.01
B411297	0.4	< 0.5	72	893	8	10	< 2	97	1.89	3	< 10	25	< 0.5	< 2	1.90	41	1	9.20	< 10	< 1	0.12	< 10	1.36
B411298	0.3	< 0.5	63	665	< 1	111	< 2	74	2.10	8	< 10	108	< 0.5	< 2	2.27	30	286	4.88	< 10	< 1	0.30	< 10	2.05
B411299	< 0.2	< 0.5	25	517	3	107	< 2	51	1.35	8	< 10	30	< 0.5	< 2	3.01	18	293	2.74	< 10	< 1	0.07	< 10	1.86
B411300	0.3	< 0.5	79	1320	2	113	4	75	1.67	1030	< 10	64	< 0.5	< 2	1.99	29	46	6.03	< 10	1	0.09	< 10	2.31
B411301	< 0.2	< 0.5	275	562	1	91	4	59	1.40	20	< 10	25	< 0.5	< 2	2.60	45	244	4.49	< 10	< 1	0.06	< 10	1.81
B411302	< 0.2	< 0.5	20	566	< 1	113	2	52	1.23	8	< 10	73	< 0.5	< 2	2.77	22	333	3.46	< 10	< 1	0.15	< 10	1.79
B411303	0.7	< 0.5	138	567	9	85	5	61	1.69	3	< 10	77	< 0.5	< 2	1.90	51	186	6.69	< 10	1	0.66	< 10	1.90
B411304	< 0.2	< 0.5	14	429	< 1	223	6	52	1.85	8	< 10	460	< 0.5	< 2	2.45	29	703	3.07	< 10	< 1	1.19	< 10	2.82
B411305	0.3	< 0.5	114	767	12	74	< 2	88	2.95	7	< 10	152	< 0.5	< 2	1.74	44	7	7.24	< 10	2	1.56	< 10	2.62
B411306	0.2	< 0.5	33	884	12	64	2	68	2.25	7	< 10	54	< 0.5	< 2	2.26	34	4	5.53	< 10	3	0.49	< 10	1.84
B411307	0.2	< 0.5	38	807	10	65	< 2	63	2.16	< 2	< 10	104	< 0.5	< 2	2.85	35	5	5.37	< 10	2	0.68	< 10	1.95
B411308	0.3	< 0.5	109	837	13	104	3	47	1.73	3	< 10	82	< 0.5	< 2	3.89	38	30	4.76	< 10	1	0.43	< 10	1.93
B411309	0.7	< 0.5	176	1160	11	179	5	86	2.57	57	< 10	28	< 0.5	< 2	1.20	56	67	7.35	< 10	1	0.09	< 10	2.24
B411310	0.3	< 0.5	12	88	< 1	11	55	72	1.39	7	31	128	< 0.5	< 2	> 10.0	2	24	1.32	< 10	< 1	0.14	< 10	1.79
B411311	0.7	< 0.5	169	1920	4	237	< 2	130	3.46	71	< 10	< 10	< 0.5	< 2	0.31	66	135	11.2	< 10	< 1	0.04	< 10	2.68
B411312	0.6	< 0.5	165	1860	14	268	6	90	3.32	58	< 10	10	< 0.5	< 2	0.10	68	168	12.7	< 10	< 1	0.08	< 10	2.89
B411313	0.3	< 0.5	42	873	8	137	3	54	2.41	44	< 10	21	< 0.5	< 2	1.21	43	101	6.41	< 10	< 1	0.15	< 10	2.45
B411314	< 0.2	< 0.5	38	463	< 1	211	5	44	2.07	68	< 10	116	< 0.5	< 2	2.48	36	487	3.30	< 10	< 1	0.17	< 10	2.96
B411315	1.1	< 0.5	86	723	2	299	2	62	2.86	11	< 10	200	< 0.5	< 2	5.74	37	717	4.60	< 10	2	0.47	< 10	4.44

## Results

## Activation Laboratories Ltd.

## Report: A21-09845

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2		0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B411316	1.1	< 0.5	62	711	1	306	5	60	2.72	11	< 10	194	< 0.5	< 2	5.72	34	755	4.35	< 10	2	0.44	18	4.27
B411317	3.1	0.9	383	650	50	232	14	125	1.85	3	< 10	115	< 0.5	< 2	5.87	31	504	3.37	< 10	< 1	0.27	40	3.33
B411318	0.9	< 0.5	77	913	6	278	6	69	2.71	7	< 10	235	< 0.5	< 2	6.95	35	623	4.75	< 10	2	0.69	17	4.80
B411319	0.5	< 0.5	64	765	3	246	6	57	2.31	30	< 10	342	< 0.5	< 2	6.47	35	574	4.13	< 10	1	0.67	42	4.15
B411320	1.6	< 0.5	132	619	4	155	31	66	2.80	54	16	48	< 0.5	< 2	3.24	30	413	4.38	< 10	< 1	0.21	< 10	3.15
B411321	0.9	< 0.5	112	894	9	278	11	66	2.24	9	< 10	127	< 0.5	< 2	7.86	37	544	4.72	< 10	2	0.28	54	5.35
B411322	0.5	< 0.5	86	522	20	219	4	56	1.79	23	< 10	189	< 0.5	< 2	4.60	30	396	3.15	< 10	< 1	0.34	61	2.99
B411323	0.3	< 0.5	41	275	4	51	< 2	45	0.89	5	< 10	133	< 0.5	< 2	1.35	14	98	1.94	< 10	< 1	0.32	20	0.95
B411324	< 0.2	< 0.5	18	212	< 1	28	3	31	0.66	3	< 10	105	< 0.5	< 2	1.05	9	44	1.57	< 10	< 1	0.29	20	0.59
B411325	0.9	< 0.5	126	589	10	255	4	50	2.09	3	< 10	122	< 0.5	< 2	4.68	31	488	3.31	< 10	< 1	0.29	< 10	3.21
B411326	0.6	< 0.5	73	645	4	150	4	39	1.80	< 2	< 10	75	< 0.5	< 2	4.03	30	294	3.99	< 10	1	0.36	12	2.70
B411327	1.0	< 0.5	77	704	< 1	196	3	74	3.11	3	< 10	105	< 0.5	< 2	4.30	41	408	4.97	< 10	2	0.90	13	3.81
B411328	0.8	< 0.5	58	554	< 1	194	5	54	2.25	4	< 10	229	< 0.5	< 2	4.26	30	480	3.46	< 10	< 1	1.28	48	3.16
B411329	1.0	0.8	93	783	< 1	102	7	123	2.22	3	< 10	133	< 0.5	< 2	5.81	26	189	4.22	< 10	< 1	0.57	< 10	3.25
B411330	0.3	< 0.5	10	74	< 1	9	49	65	1.11	5	27	171	< 0.5	< 2	> 10.0	2	20	1.06	< 10	< 1	0.10	< 10	1.45
B411331	0.2	< 0.5	39	433	< 1	96	< 2	41	1.30	6	< 10	41	< 0.5	< 2	2.43	21	246	2.39	< 10	< 1	0.13	< 10	1.85
B411332	0.3	< 0.5	46	489	< 1	110	< 2	38	1.24	11	< 10	34	< 0.5	< 2	3.73	20	239	2.28	< 10	< 1	0.11	< 10	1.78
B411333	0.2	< 0.5	36	540	< 1	134	< 2	39	1.70	3	< 10	46	< 0.5	< 2	4.00	23	325	2.81	< 10	< 1	0.15	< 10	2.39
B411334	0.5	< 0.5	28	668	< 1	192	6	58	2.37	< 2	< 10	127	< 0.5	< 2	5.68	26	508	3.41	< 10	< 1	0.58	44	3.57
B411335	0.7	< 0.5	19	867	< 1	250	4	75	2.98	< 2	< 10	195	< 0.5	< 2	7.38	28	565	4.11	< 10	2	0.90	32	4.50
B411336	0.6	< 0.5	21	864	< 1	250	4	73	2.93	< 2	< 10	196	< 0.5	< 2	7.44	28	580	4.04	< 10	< 1	0.90	36	4.44
B411337	1.4	< 0.5	57	526	6	255	9	49	1.84	5	< 10	78	< 0.5	< 2	4.34	44	535	4.09	< 10	1	0.23	36	2.90
B411338	7.6	< 0.5	215	716	75	43	8	59	2.20	10	< 10	24	< 0.5	< 2	1.17	45	18	7.33	< 10	2	0.78	< 10	1.67
B411339	0.7	< 0.5	113	708	30	30	4	58	2.37	9	< 10	24	< 0.5	< 2	2.26	38	15	6.30	< 10	< 1	0.19	< 10	2.37
B411340	0.2	0.6	52	592	< 1	125	11	94	2.06	13	< 10	77	0.7	< 2	1.35	36	61	5.17	< 10	2	0.15	15	1.73
B411341	0.5	< 0.5	102	936	20	31	< 2	64	2.99	231	12	29	< 0.5	< 2	2.73	40	16	7.63	10	< 1	0.18	< 10	2.82
B411342	5.1	0.6	92	634	52	85	12	69	2.25	894	14	18	< 0.5	< 2	0.47	42	144	6.96	< 10	< 1	1.02	< 10	1.90
B411343	0.3	< 0.5	10	78	< 1	9	50	67	1.20	7	29	185	< 0.5	< 2	> 10.0	2	21	1.15	< 10	< 1	0.08	< 10	1.56
B411344	4.7	0.6	184	436	141	74	41	135	1.89	1870	< 10	17	< 0.5	< 2	0.39	48	83	5.59	< 10	< 1	0.82	< 10	1.23
B411345	2.8	< 0.5	84	513	61	52	53	117	1.67	1750	< 10	25	< 0.5	< 2	1.86	27	45	4.16	< 10	< 1	0.33	< 10	0.90
B411346	1.2	< 0.5	46	688	48	33	10	129	2.93	42	< 10	40	< 0.5	< 2	2.96	30	34	4.97	< 10	1	0.53	14	1.74
B411347	0.4	< 0.5	48	531	< 1	257	6	48	2.12	5	< 10	665	< 0.5	< 2	3.76	29	471	3.37	< 10	< 1	1.54	46	2.84
B411348	2.4	< 0.5	60	1220	< 1	285	12	91	2.93	11	< 10	192	< 0.5	4	9.26	31	480	5.14	< 10	2	1.26	12	5.51
B411349	1.4	< 0.5	110	1500	< 1	63	5	63	1.96	3	< 10	102	< 0.5	< 2	9.50	33	86	5.42	< 10	2	0.64	< 10	4.93
B411350	0.3	< 0.5	11	81	< 1	9	50	70	1.22	7	29	144	< 0.5	< 2	> 10.0	2	21	1.17	< 10	< 1	0.06	< 10	1.60
B411351	1.0	< 0.5	114	884	< 1	137	3	73	2.68	3	< 10	136	< 0.5	< 2	4.82	40	243	5.97	< 10	< 1	1.24	17	2.82
B411352	0.6	< 0.5	85	769	< 1	117	2	40	2.30	< 2	< 10	164	< 0.5	< 2	5.07	29	200	4.85	< 10	2	1.23	19	2.93
B411353	0.6	< 0.5	159	792	2	83	< 2	57	3.69	3	< 10	149	< 0.5	< 2	1.95	48	136	8.00	10	1	1.28	< 10	2.22
B411354	0.4	< 0.5	89	644	7	77	< 2	54	2.57	< 2	< 10	205	< 0.5	< 2	2.55	29	167	5.40	< 10	2	0.92	25	2.10
B411355	0.6	< 0.5	157	604	3	72	< 2	58	2.37	< 2	< 10	208	< 0.5	< 2	1.93	39	115	5.92	< 10	1	0.93	< 10	2.00
B411356	0.5	< 0.5	128	636	2	70	< 2	60	2.40	< 2	< 10	227	< 0.5	< 2	2.08	37	118	5.93	< 10	1	0.86	< 10	2.05
B411357	0.5	< 0.5	136	652	4	79	< 2	56	2.00	< 2	< 10	148	< 0.5	< 2	2.40	33	140	4.95	< 10	< 1	0.37	< 10	1.88
B411358	0.8	< 0.5	161	647	2	124	< 2	71	2.48	6	< 10	91	< 0.5	< 2	2.46	50	209	6.01	< 10	2	0.40	< 10	2.54
B411359	< 0.2	< 0.5	33	484	< 1	221	3	49	2.13	47	< 10	74	< 0.5	< 2	2.26	35	499	3.21	< 10	< 1	0.25	< 10	2.96
B411360	0.3	< 0.5	77	1320	1	113	3	74	1.67	1050	< 10	72	< 0.5	< 2	2.01	29	45	5.93	< 10	< 1	0.08	12	2.29
B411361	< 0.2	< 0.5	59	472	< 1	209	5	52	2.07	70	< 10	83	< 0.5	< 2	2.15	37	467	3.37	< 10	< 1	0.21	< 10	2.78
B411362	0.5	< 0.5	32	216	1	37	5	56	0.89	< 2	< 10	59	< 0.5	< 2	0.83	14	61	2.09	< 10	< 1	0.12	22	0.90
B411363	< 0.2	< 0.5	9	344	< 1	43	5	37	1.10	3	< 10	20	< 0.5	< 2	2.57	11	46	2.51	< 10	< 1	0.04	21	1.16
B411364	< 0.2	< 0.5	49	403	2	58	< 2	42	1.38	< 2	< 10	74	< 0.5	< 2	2.48	19	107	2.80	< 10	< 1	0.19	19	1.60
B411365	0.6	< 0.5	37	564	1	174	7	44	2.16	13	< 10	177	< 0.5	< 2	4.64	28	377	3.79	< 10	< 1	0.41	34	3.12
B411366	1.8	< 0.5	84	648	< 1	140	4	35	2.18	9	< 10	108	< 0.5	< 2	5.61	33	368	4.10	< 10	2	0.31	< 10	3.01

## Results

## Activation Laboratories Ltd.

## Report: A21-09845

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B411367	0.4	< 0.5	97	464	3	145	< 2	41	1.84	19	< 10	50	< 0.5	< 2	2.80	32	326	3.91	< 10	1	0.13	32	2.71
B411368	0.3	< 0.5	71	694	< 1	173	< 2	57	3.30	10	< 10	68	< 0.5	< 2	6.88	36	354	5.96	< 10	2	0.34	22	4.62
B411369	0.3	< 0.5	82	738	< 1	236	4	69	3.49	16	< 10	96	< 0.5	< 2	6.86	36	547	5.76	10	1	0.57	31	5.19
B411370	0.3	< 0.5	10	76	< 1	9	49	65	1.18	7	28	179	< 0.5	< 2	> 10.0	2	22	1.12	< 10	< 1	0.04	< 10	1.52
B411371	0.6	< 0.5	20	696	< 1	287	6	76	2.95	29	< 10	101	< 0.5	< 2	6.96	33	614	4.51	< 10	< 1	0.44	50	4.54
B411372	2.0	< 0.5	242	497	13	36	6	63	1.67	12	< 10	25	< 0.5	< 2	1.64	42	16	6.70	< 10	1	0.18	< 10	1.83
B411373	0.8	< 0.5	96	669	21	25	4	59	1.61	27	< 10	20	< 0.5	< 2	1.82	40	17	6.87	< 10	2	0.10	11	1.69
B411374	1.8	< 0.5	324	381	4	15	3	43	1.02	19	< 10	15	< 0.5	< 2	1.11	21	11	2.94	< 10	< 1	0.05	41	1.06
B411375	1.4	< 0.5	80	296	10	25	4	67	1.48	43	< 10	22	< 0.5	< 2	0.45	34	18	6.61	< 10	2	0.11	20	1.52
B411376	1.6	< 0.5	77	300	11	24	4	67	1.52	42	< 10	21	< 0.5	< 2	0.38	36	17	6.61	< 10	< 1	0.12	20	1.54
B411377	0.8	< 0.5	59	633	28	170	8	68	1.99	26	< 10	36	< 0.5	< 2	3.37	28	462	4.50	< 10	1	0.76	44	2.75
B411378	< 0.2	< 0.5	18	865	< 1	280	4	73	3.13	7	< 10	536	< 0.5	< 2	4.82	31	669	4.31	< 10	< 1	1.78	54	4.15
B411379	< 0.2	< 0.5	19	773	4	327	< 2	71	3.25	6	11	356	< 0.5	< 2	5.31	33	776	4.77	< 10	2	1.23	39	5.09
B411380	1.5	< 0.5	130	607	4	154	29	64	2.75	55	17	46	< 0.5	< 2	3.18	29	405	4.28	< 10	1	0.21	< 10	3.11
B411381	< 0.2	< 0.5	78	759	471	142	< 2	79	2.66	6	< 10	174	< 0.5	< 2	3.98	33	389	5.78	< 10	3	0.42	29	3.50
B411382	< 0.2	< 0.5	193	605	22	32	< 2	38	1.59	5	< 10	13	< 0.5	< 2	3.04	30	47	4.99	< 10	2	0.06	< 10	1.53



Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B411213	0.293	0.155	0.08	2	9	160	0.18	< 20	< 1	< 2	< 10	76	< 10	7	5
B411214	0.208	0.340	0.20	< 2	8	188	0.14	< 20	< 1	< 2	< 10	69	< 10	10	2
B411215	0.226	0.050	0.27	< 2	18	19	0.17	< 20	2	< 2	< 10	161	< 10	10	19
B411216	0.236	0.052	0.26	< 2	21	18	0.17	< 20	2	< 2	< 10	176	< 10	11	17
B411217	0.273	0.046	0.23	3	20	23	0.18	< 20	1	< 2	< 10	179	< 10	10	15
B411218	0.240	0.042	1.58	2	24	32	0.21	< 20	< 1	< 2	< 10	230	< 10	11	19
B411219	0.128	0.037	1.81	3	28	41	0.28	< 20	4	< 2	< 10	243	14	9	22
B411220	0.365	0.147	0.83	3	4	106	0.13	< 20	< 1	< 2	< 10	46	< 10	11	3
B411221	0.049	0.025	4.26	4	21	6	0.27	< 20	2	< 2	< 10	212	36	5	22
B411222	0.098	0.112	3.99	< 2	17	53	0.32	< 20	3	< 2	< 10	122	< 10	11	20
B411223	0.122	0.208	0.34	< 2	11	109	0.22	< 20	3	< 2	< 10	70	< 10	8	4
B411224	0.053	0.065	0.45	< 2	4	159	0.12	< 20	2	< 2	< 10	33	< 10	5	9
B411225	0.082	0.123	0.42	< 2	8	172	0.21	< 20	3	< 2	< 10	58	16	7	9
B411226	0.124	0.174	0.37	2	10	139	0.23	< 20	2	< 2	< 10	91	< 10	9	6
B411227	0.180	0.050	0.18	< 2	14	164	0.33	< 20	3	< 2	< 10	104	16	12	16
B411228	0.474	0.028	0.17	< 2	18	103	0.22	< 20	2	< 2	< 10	133	< 10	10	7
B411229	0.155	0.091	0.06	< 2	8	61	0.18	< 20	< 1	< 2	< 10	71	< 10	5	8
B411230	0.015	0.002	< 0.01	< 2	< 1	3	< 0.01	< 20	< 1	< 2	< 10	2	< 10	< 1	3
B411231	0.125	0.040	2.20	4	12	34	0.25	< 20	6	< 2	< 10	97	< 10	6	14
B411232	0.132	0.015	0.08	< 2	11	46	0.22	< 20	2	< 2	< 10	64	< 10	5	6
B411233	0.148	0.020	1.06	3	13	35	0.20	< 20	1	< 2	< 10	97	< 10	5	10
B411234	0.120	0.019	1.26	< 2	11	46	0.16	< 20	2	< 2	< 10	94	< 10	4	8
B411235	0.116	0.009	0.42	< 2	8	46	0.14	< 20	3	< 2	< 10	51	< 10	4	7
B411236	0.126	0.010	0.30	< 2	9	48	0.16	< 20	4	< 2	< 10	56	< 10	4	8
B411237	0.130	0.013	0.27	< 2	8	41	0.16	< 20	4	< 2	< 10	55	< 10	4	9
B411238	0.188	0.023	0.52	< 2	13	36	0.19	< 20	< 1	< 2	< 10	87	< 10	5	8
B411239	0.168	0.026	0.18	< 2	9	28	0.20	< 20	3	< 2	< 10	71	< 10	5	6
B411240	0.069	0.028	0.72	2	10	48	0.24	< 20	3	< 2	< 10	111	< 10	8	16
B411241	0.199	0.059	0.36	2	10	24	0.18	< 20	3	< 2	< 10	83	< 10	6	11
B411242	0.205	0.039	0.30	< 2	12	15	0.24	< 20	3	< 2	< 10	128	< 10	7	16
B411243	0.222	0.043	0.33	< 2	16	11	0.20	< 20	2	< 2	< 10	132	< 10	8	15
B411244	0.201	0.046	0.56	< 2	13	23	0.18	< 20	< 1	< 2	< 10	115	< 10	6	15
B411245	0.176	0.050	0.29	< 2	9	30	0.15	< 20	< 1	< 2	< 10	66	< 10	5	17
B411246	0.238	0.114	0.34	< 2	8	71	0.16	< 20	2	< 2	< 10	57	< 10	5	4
B411247	0.328	0.272	0.12	< 2	8	164	0.14	< 20	1	< 2	< 10	57	< 10	8	2
B411248	0.131	0.172	0.51	2	10	306	0.18	< 20	< 1	< 2	< 10	87	< 10	8	7
B411249	0.096	0.078	0.10	< 2	7	105	0.10	< 20	1	< 2	< 10	61	< 10	5	3
B411250	0.015	0.003	< 0.01	< 2	< 1	2	< 0.01	< 20	< 1	< 2	< 10	2	< 10	1	3
B411251	0.144	0.212	0.22	2	9	273	0.17	< 20	2	< 2	< 10	77	< 10	8	3
B411252	0.154	0.160	0.22	2	9	97	0.12	< 20	< 1	< 2	< 10	62	< 10	7	2
B411253	0.154	0.180	0.23	< 2	9	99	0.16	< 20	< 1	< 2	< 10	63	< 10	7	3
B411254	0.171	0.045	0.42	< 2	7	126	0.14	< 20	2	< 2	< 10	52	< 10	5	17
B411255	0.057	0.072	0.72	2	6	224	0.20	< 20	< 1	< 2	< 10	73	< 10	5	22
B411256	0.152	0.020	3.03	3	8	82	0.18	< 20	3	< 2	< 10	96	< 10	8	26
B411257	0.014	0.002	< 0.01	< 2	< 1	2	< 0.01	< 20	< 1	< 2	< 10	1	< 10	< 1	3
B411258	0.214	0.035	1.57	< 2	11	83	0.18	< 20	1	< 2	< 10	90	< 10	8	22
B411259	0.013	0.002	< 0.01	< 2	< 1	2	< 0.01	< 20	< 1	< 2	< 10	2	< 10	< 1	3
B411260	0.223	0.041	0.10	< 2	7	108	0.20	< 20	3	< 2	< 10	72	< 10	5	17
B411261	0.134	0.029	0.38	< 2	7	36	0.16	< 20	2	< 2	< 10	66	< 10	5	17
B411262	0.167	0.034	0.13	< 2	10	33	0.21	< 20	2	< 2	< 10	106	< 10	5	19
B411264	0.014	0.002	< 0.01	< 2	< 1	2	< 0.01	< 20	< 1	< 2	< 10	1	< 10	< 1	3

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B411265	0.158	0.031	0.03	< 2	7	41	0.16	< 20	3	< 2	< 10	48	< 10	5	21
B411266	0.191	0.018	0.05	< 2	7	73	0.15	< 20	< 1	< 2	< 10	61	< 10	4	23
B411267	0.057	0.102	0.27	2	5	190	0.15	< 20	< 1	< 2	< 10	56	< 10	6	8
B411268	0.082	0.124	0.15	2	6	198	0.18	< 20	< 1	< 2	< 10	83	< 10	6	7
B411269	0.259	0.067	0.38	< 2	18	23	0.19	< 20	2	< 2	< 10	162	< 10	10	18
B411270	0.247	0.048	0.20	< 2	18	9	0.19	< 20	< 1	< 2	< 10	170	< 10	10	15
B411271	0.237	0.043	0.18	< 2	17	24	0.18	< 20	2	< 2	< 10	157	< 10	10	15
B411272	0.285	0.043	0.11	2	18	20	0.18	< 20	6	< 2	< 10	159	< 10	11	13
B411273	0.211	0.037	2.08	4	17	19	0.21	< 20	2	< 2	< 10	168	< 10	9	21
B411274	0.139	0.042	1.62	6	25	31	0.18	< 20	< 1	< 2	< 10	267	15	12	16
B411275	0.066	0.045	2.56	13	20	15	0.17	< 20	< 1	< 2	< 10	234	16	7	17
B411276	0.069	0.047	2.25	7	21	17	0.17	< 20	3	< 2	< 10	240	12	8	18
B411277	0.026	0.040	2.64	11	18	17	0.14	< 20	< 1	< 2	< 10	150	< 10	5	13
B411278	0.220	0.047	1.52	17	15	50	0.13	< 20	< 1	< 2	< 10	117	< 10	8	7
B411279	0.328	0.019	1.09	2	15	49	0.17	< 20	3	< 2	< 10	124	< 10	6	7
B411280	0.361	0.090	0.02	2	6	109	0.23	< 20	< 1	< 2	< 10	50	< 10	11	4
B411281	0.517	0.018	0.09	< 2	11	62	0.18	< 20	2	< 2	< 10	100	< 10	5	5
B411282	0.277	0.018	0.07	< 2	9	46	0.16	< 20	2	< 2	< 10	85	29	5	6
B411283	0.088	0.117	0.03	< 2	5	188	0.11	< 20	< 1	< 2	< 10	38	< 10	6	2
B411284	0.129	0.082	1.14	< 2	5	112	0.16	< 20	1	< 2	< 10	87	< 10	5	18
B411285	0.148	0.044	0.21	3	7	68	0.15	< 20	1	< 2	< 10	145	< 10	6	9
B411286	0.246	0.036	0.37	2	10	46	0.17	< 20	< 1	< 2	< 10	136	< 10	7	9
B411287	0.132	0.036	0.12	< 2	13	34	0.17	< 20	< 1	< 2	< 10	148	< 10	6	9
B411288	0.026	0.009	1.79	4	25	17	0.13	< 20	< 1	< 2	< 10	204	< 10	6	12
B411289	0.019	0.030	0.90	6	28	7	0.11	< 20	< 1	< 2	< 10	271	< 10	3	13
B411290	0.044	0.014	0.48	< 2	2	320	0.05	< 20	< 1	< 2	< 10	31	< 10	4	6
B411291	0.066	0.026	0.98	4	24	19	0.21	< 20	< 1	< 2	< 10	229	< 10	5	15
B411292	0.183	0.053	0.43	4	7	16	0.17	< 20	< 1	< 2	< 10	178	< 10	12	13
B411293	0.180	0.048	0.13	< 2	7	14	0.13	< 20	4	< 2	< 10	119	< 10	14	13
B411294	0.232	0.058	0.23	3	8	12	0.17	< 20	6	< 2	< 10	102	< 10	15	14
B411295	0.234	0.067	1.31	4	8	16	0.17	< 20	1	< 2	< 10	101	< 10	15	20
B411296	0.220	0.068	1.37	5	8	15	0.17	< 20	1	< 2	< 10	99	< 10	14	20
B411297	0.245	0.055	0.41	4	8	15	0.16	< 20	< 1	< 2	< 10	125	< 10	11	11
B411298	0.251	0.056	0.28	< 2	8	65	0.17	< 20	< 1	< 2	< 10	79	< 10	7	14
B411299	0.141	0.067	0.02	< 2	5	59	0.17	< 20	1	< 2	< 10	55	< 10	5	6
B411300	0.364	0.144	0.83	3	4	105	0.12	< 20	< 1	< 2	< 10	46	< 10	11	3
B411301	0.134	0.166	1.23	< 2	7	91	0.12	< 20	1	< 2	< 10	104	< 10	8	1
B411302	0.191	0.263	0.08	< 2	8	120	0.11	< 20	2	< 2	< 10	79	< 10	9	1
B411303	0.174	0.136	0.76	< 2	8	52	0.23	< 20	2	< 2	< 10	238	< 10	7	14
B411304	0.122	0.254	0.18	3	6	121	0.13	< 20	1	< 2	< 10	67	< 10	8	< 1
B411305	0.153	0.025	0.40	2	14	40	0.26	< 20	3	< 2	< 10	168	< 10	6	10
B411306	0.249	0.022	0.06	< 2	12	26	0.22	< 20	3	< 2	< 10	115	< 10	7	8
B411307	0.248	0.023	0.14	< 2	12	33	0.21	< 20	2	< 2	< 10	114	< 10	6	8
B411308	0.194	0.023	0.36	3	14	74	0.17	< 20	2	< 2	< 10	101	13	5	10
B411309	0.099	0.017	0.42	2	23	31	0.15	< 20	1	< 2	< 10	157	< 10	5	14
B411310	0.062	0.015	0.71	< 2	2	342	0.05	< 20	< 1	< 2	< 10	35	< 10	4	2
B411311	0.035	0.006	0.77	4	36	4	0.16	< 20	< 1	< 2	< 10	219	< 10	5	18
B411312	0.012	0.010	0.90	4	41	2	0.14	< 20	< 1	< 2	< 10	243	< 10	4	13
B411313	0.067	0.013	0.24	3	17	24	0.14	< 20	4	< 2	< 10	137	< 10	4	14
B411314	0.298	0.053	0.04	< 2	9	64	0.13	< 20	< 1	< 2	< 10	75	< 10	5	12
B411315	0.093	0.077	0.16	2	13	307	0.11	< 20	1	< 2	< 10	105	< 10	5	9

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B411316	0.090	0.079	0.13	3	12	305	0.10	< 20	2	< 2	< 10	98	< 10	5	6
B411317	0.115	0.152	0.39	< 2	8	355	0.09	< 20	< 1	< 2	< 10	61	< 10	7	2
B411318	0.080	0.029	0.14	3	11	565	0.13	< 20	2	< 2	< 10	85	< 10	4	21
B411319	0.097	0.192	0.19	2	9	508	0.12	< 20	< 1	< 2	< 10	86	< 10	7	3
B411320	0.069	0.028	0.73	2	10	48	0.24	< 20	< 1	< 2	< 10	111	< 10	8	15
B411321	0.066	0.249	0.40	2	10	584	0.10	< 20	< 1	< 2	< 10	80	< 10	9	3
B411322	0.137	0.332	0.22	< 2	7	312	0.11	< 20	< 1	< 2	< 10	63	< 10	9	2
B411323	0.180	0.063	0.12	< 2	3	55	0.13	< 20	< 1	< 2	< 10	42	< 10	4	8
B411324	0.196	0.079	0.10	< 2	3	43	0.11	< 20	4	< 2	< 10	35	< 10	4	4
B411325	0.193	0.048	0.32	< 2	6	187	0.11	< 20	2	< 2	< 10	54	< 10	4	16
B411326	0.189	0.073	0.62	< 2	8	127	0.15	< 20	2	< 2	< 10	85	< 10	6	16
B411327	0.278	0.079	0.45	2	13	168	0.20	< 20	3	< 2	< 10	109	< 10	7	20
B411328	0.261	0.241	0.24	< 2	9	243	0.20	< 20	< 1	< 2	< 10	65	< 10	8	4
B411329	0.293	0.033	0.70	< 2	9	159	0.16	< 20	< 1	< 2	< 10	62	< 10	5	17
B411330	0.053	0.013	0.43	< 2	2	297	0.05	< 20	< 1	< 2	< 10	29	< 10	4	9
B411331	0.290	0.031	0.12	< 2	9	58	0.16	< 20	2	< 2	< 10	52	< 10	5	20
B411332	0.280	0.012	0.12	< 2	8	91	0.14	< 20	< 1	< 2	< 10	44	< 10	4	18
B411333	0.370	0.027	0.06	< 2	10	87	0.15	< 20	< 1	< 2	< 10	60	< 10	5	17
B411334	0.229	0.176	< 0.01	< 2	8	362	0.15	< 20	< 1	< 2	< 10	60	< 10	7	3
B411335	0.118	0.138	0.02	3	7	496	0.15	< 20	< 1	< 2	< 10	65	< 10	6	4
B411336	0.118	0.148	0.01	2	7	497	0.15	< 20	< 1	< 2	< 10	65	< 10	6	4
B411337	0.161	0.236	1.06	2	8	160	0.14	< 20	< 1	< 2	< 10	73	< 10	7	4
B411338	0.188	0.040	2.38	2	22	19	0.23	< 20	2	< 2	< 10	205	13	8	24
B411339	0.295	0.052	0.37	3	21	19	0.20	< 20	< 1	< 2	< 10	182	< 10	11	17
B411340	0.361	0.092	0.02	3	6	108	0.22	< 20	1	< 2	< 10	50	< 10	11	4
B411341	0.353	0.049	0.22	3	26	39	0.13	< 20	< 1	< 2	< 10	216	< 10	12	14
B411342	0.070	0.051	3.09	6	20	23	0.20	< 20	2	< 2	< 10	170	< 10	6	21
B411343	0.049	0.014	0.33	< 2	2	305	0.05	< 20	< 1	< 2	< 10	31	< 10	4	13
B411344	0.098	0.006	2.92	9	24	37	0.17	< 20	2	< 2	< 10	133	< 10	7	17
B411345	0.153	0.007	2.57	9	7	38	0.07	< 20	< 1	< 2	< 10	48	< 10	4	6
B411346	0.373	0.059	1.36	< 2	13	77	0.21	< 20	< 1	< 2	< 10	125	< 10	10	10
B411347	0.166	0.195	0.14	5	7	148	0.19	< 20	< 1	< 2	< 10	72	< 10	8	3
B411348	0.068	0.069	0.78	2	6	389	0.14	< 20	3	< 2	< 10	69	< 10	5	18
B411349	0.084	0.020	0.81	< 2	7	156	0.12	< 20	1	< 2	< 10	85	< 10	6	6
B411350	0.043	0.014	0.65	< 2	2	309	0.05	< 20	< 1	< 2	< 10	31	< 10	4	6
B411351	0.180	0.093	0.73	< 2	11	114	0.21	< 20	2	< 2	< 10	148	< 10	8	18
B411352	0.205	0.095	0.69	2	10	120	0.20	< 20	2	< 2	< 10	115	< 10	8	17
B411353	0.305	0.042	0.64	2	24	81	0.27	< 20	< 1	< 2	< 10	213	< 10	11	10
B411354	0.300	0.118	0.22	2	16	77	0.21	< 20	1	< 2	< 10	149	< 10	11	13
B411355	0.296	0.047	0.44	2	19	53	0.23	< 20	< 1	< 2	< 10	172	< 10	9	12
B411356	0.313	0.046	0.37	< 2	20	55	0.22	< 20	< 1	< 2	< 10	176	< 10	10	11
B411357	0.323	0.038	0.25	< 2	17	42	0.19	< 20	2	< 2	< 10	128	< 10	9	10
B411358	0.273	0.048	0.85	3	14	38	0.20	< 20	1	< 2	< 10	133	< 10	8	13
B411359	0.188	0.052	0.05	3	7	53	0.14	< 20	1	< 2	< 10	65	< 10	4	14
B411360	0.368	0.149	0.85	3	4	106	0.14	< 20	1	< 2	< 10	46	< 10	11	3
B411361	0.167	0.058	0.08	2	7	46	0.13	< 20	1	< 2	< 10	72	< 10	5	13
B411362	0.175	0.062	0.08	< 2	3	34	0.16	< 20	1	< 2	< 10	55	< 10	5	6
B411363	0.169	0.084	0.08	< 2	4	70	0.16	< 20	< 1	< 2	< 10	50	< 10	6	4
B411364	0.207	0.082	0.20	< 2	5	69	0.15	< 20	3	< 2	< 10	52	< 10	5	4
B411365	0.149	0.153	0.22	< 2	8	125	0.14	< 20	< 1	< 2	< 10	89	< 10	8	3
B411366	0.119	0.028	0.53	< 2	9	134	0.13	< 20	4	< 2	< 10	101	< 10	6	19

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B411367	0.170	0.159	0.29	< 2	11	64	0.15	< 20	2	< 2	< 10	100	< 10	8	4
B411368	0.059	0.087	0.14	2	18	239	0.10	< 20	< 1	< 2	< 10	129	< 10	6	8
B411369	0.063	0.156	0.06	3	17	319	0.12	< 20	< 1	< 2	< 10	121	< 10	8	3
B411370	0.039	0.014	0.35	< 2	2	301	0.05	< 20	< 1	< 2	< 10	30	< 10	4	13
B411371	0.104	0.263	0.07	2	10	309	0.09	< 20	< 1	< 2	< 10	93	< 10	9	3
B411372	0.152	0.032	2.35	2	16	24	0.17	< 20	2	< 2	< 10	203	< 10	7	23
B411373	0.235	0.049	0.85	2	16	25	0.18	< 20	< 1	< 2	< 10	186	< 10	10	22
B411374	0.182	0.072	0.50	< 2	8	24	0.10	< 20	< 1	< 2	< 10	64	< 10	8	6
B411375	0.141	0.056	3.29	< 2	17	14	0.14	< 20	1	< 2	< 10	155	< 10	10	44
B411376	0.144	0.059	3.26	2	17	14	0.14	< 20	2	< 2	< 10	157	< 10	11	47
B411377	0.179	0.224	1.32	< 2	11	66	0.18	< 20	1	< 2	< 10	93	< 10	8	6
B411378	0.239	0.225	0.11	2	9	135	0.19	< 20	1	< 2	< 10	79	< 10	7	4
B411379	0.154	0.214	0.13	3	10	113	0.18	< 20	< 1	< 2	< 10	78	< 10	7	4
B411380	0.067	0.028	0.71	3	10	47	0.24	< 20	2	< 2	< 10	109	< 10	8	15
B411381	0.222	0.154	0.15	< 2	13	87	0.19	< 20	< 1	< 2	< 10	115	< 10	8	6
B411382	0.206	0.033	0.19	< 2	14	72	0.20	< 20	2	< 2	< 10	147	< 10	8	11

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas	0.4	< 0.5	73	1040	1	25	99	125	6.46	238	< 10	763	0.8	3	0.13	13	77	5.55	20	< 1	1.12	< 10	0.39
GXR-6 Cert	1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9	0.609
GXR-6 Meas	0.4	< 0.5	74	1060	1	25	101	131	6.61	242	< 10	781	0.9	3	0.14	14	79	5.63	20	2	1.17	< 10	0.40
GXR-6 Cert	1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9	0.609
OREAS 98 (Aqua Regia) Meas	41.1	> 10000					261	1170						6		96							
OREAS 98 (Aqua Regia) Cert	42.8		147000				343	1300						90		110							
OREAS 98 (Aqua Regia) Meas	42.2	> 10000					268	1200						19		99							
OREAS 98 (Aqua Regia) Cert	42.8		147000				343	1300						93		110							
OREAS 922 (AQUA REGIA) Meas	0.9	< 0.5	2300	760	< 1	35	62	264	2.67	4		86	0.7	7	0.43	19	44	5.03	< 10		0.49	34	1.33
OREAS 922 (AQUA REGIA) Cert	0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5	1.33
OREAS 922 (AQUA REGIA) Meas	0.9	< 0.5	2290	764	< 1	34	62	265	2.70	3		89	0.8	7	0.44	19	45	5.03	< 10		0.51	34	1.33
OREAS 922 (AQUA REGIA) Cert	0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5	1.33
OREAS 923 (AQUA REGIA) Meas	1.7	< 0.5	4520	864	< 1	33	86	342	2.68	7		70	0.7	21	0.43	22	41	5.82	< 10		0.41	31	1.41
OREAS 923 (AQUA REGIA) Cert	1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0	1.43
OREAS 923 (AQUA REGIA) Meas	1.8	< 0.5	4510	868	< 1	34	84	337	2.70	6		73	0.7	22	0.44	21	42	5.79	< 10		0.43	32	1.41
OREAS 923 (AQUA REGIA) Cert	1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0	1.43
Oreas 96 (Aqua Regia) Meas	11.1	> 10000					92	417						48		46							
Oreas 96 (Aqua Regia) Cert	11.50		39100.00				100	448						27.9		49.2							
Oreas 96 (Aqua Regia) Meas	11.3	> 10000					91	419						51		45							
Oreas 96 (Aqua Regia) Cert	11.50		39100.00				100	448						27.9		49.2							
Oreas 621 (Aqua Regia) Meas	67.3	280	3730	549	13	26	> 5000	> 10000	1.64	80			0.6	4	1.47	31	31	3.24	10	4	0.37	17	0.44
Oreas 621 (Aqua Regia) Cert	68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4	0.436
Oreas 621 (Aqua Regia) Meas	71.1	283	3760	543	14	25	> 5000	> 10000	1.68	82			0.6	< 2	1.57	31	31	3.31	< 10	4	0.39	17	0.45
Oreas 621 (Aqua Regia) Cert	68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4	0.436
B411220 Orig	0.3	< 0.5	78	1310	2	113	5	76	1.66	1040	< 10	70	< 0.5	< 2	2.00	28	45	5.88	< 10	< 1	0.08	12	2.28
B411220 Dup	0.3	< 0.5	79	1320	1	114	4	76	1.68	1040	< 10	69	< 0.5	< 2	2.01	29	46	5.96	< 10	2	0.08	12	2.29
B411234 Orig	0.8	< 0.5	237	689	3	252	6	28	1.18	7	< 10	35	< 0.5	< 2	3.36	72	293	5.03	< 10	< 1	0.13	< 10	1.45
B411234 Dup	0.8	< 0.5	238	688	2	248	7	28	1.17	7	< 10	36	< 0.5	< 2	2.90	71	293	5.04	< 10	1	0.13	< 10	1.45
B411247 Orig	< 0.2	< 0.5	59	580	7	266	4	58	2.37	5	< 10	30	< 0.5	< 2	4.85	30	480	3.36	< 10	< 1	0.13	56	3.48
B411247 Dup	< 0.2	< 0.5	59	560	8	261	4	56	2.28	5	< 10	30	< 0.5	< 2	4.76	30	465	3.22	< 10	< 1	0.13	56	3.36

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B411261 Orig	1.7	< 0.5	259	366	6	140	< 2	43	1.31	14	< 10	74	< 0.5	< 2	1.85	39	307	2.42	< 10	< 1	0.67	< 10	1.62
B411261 Dup	1.7	0.7	260	370	6	141	< 2	42	1.33	13	< 10	75	< 0.5	< 2	1.86	37	310	2.50	< 10	< 1	0.67	< 10	1.64
B411262 Orig	0.4	< 0.5	65	462	1	110	< 2	46	1.71	28	< 10	109	< 0.5	< 2	1.85	29	329	2.99	< 10	< 1	0.86	< 10	1.84
B411262 Split PREP DUP	0.4	< 0.5	64	479	2	112	< 2	47	1.74	28	< 10	108	< 0.5	< 2	1.91	29	334	3.04	< 10	< 1	0.87	< 10	1.88
B411284 Orig	1.3	< 0.5	358	755	< 1	106	5	63	1.65	16	< 10	51	< 0.5	< 2	4.16	46	238	5.78	< 10	2	0.15	15	1.88
B411284 Dup	1.4	< 0.5	371	773	< 1	113	5	64	1.69	15	< 10	52	< 0.5	< 2	4.25	48	244	5.85	< 10	2	0.16	15	1.93
B411298 Orig	0.3	< 0.5	65	664	< 1	112	3	75	2.12	9	< 10	109	< 0.5	< 2	2.28	30	288	4.94	< 10	1	0.31	< 10	2.07
B411298 Dup	0.3	< 0.5	62	666	1	109	< 2	74	2.08	8	< 10	107	< 0.5	< 2	2.26	29	283	4.82	< 10	< 1	0.30	< 10	2.03
B411311 Orig	0.7	< 0.5	172	1950	4	241	8	132	3.53	70	< 10	< 10	< 0.5	< 2	0.32	66	137	11.4	< 10	< 1	0.04	< 10	2.74
B411311 Dup	0.6	< 0.5	166	1880	4	233	< 2	128	3.39	72	< 10	< 10	< 0.5	< 2	0.30	66	132	11.0	< 10	1	0.04	< 10	2.63
B411312 Orig	0.6	< 0.5	165	1860	14	268	6	90	3.32	58	< 10	10	< 0.5	< 2	0.10	68	168	12.7	< 10	< 1	0.08	< 10	2.89
B411312 Split PREP DUP	0.6	< 0.5	169	1870	14	268	< 2	92	3.32	58	< 10	10	< 0.5	< 2	0.10	69	169	12.8	< 10	< 1	0.08	< 10	2.89
B411325 Orig	0.9	< 0.5	125	589	10	255	4	50	2.09	3	< 10	122	< 0.5	< 2	4.66	30	487	3.32	< 10	< 1	0.29	< 10	3.21
B411325 Dup	0.9	< 0.5	126	590	10	255	4	49	2.09	3	< 10	123	< 0.5	< 2	4.69	31	488	3.30	< 10	< 1	0.29	< 10	3.21
B411341 Orig	0.5	< 0.5	102	942	20	31	2	64	3.02	234	12	29	< 0.5	< 2	2.75	40	16	7.69	10	2	0.18	< 10	2.84
B411341 Dup	0.5	< 0.5	102	931	20	30	< 2	65	2.97	228	12	28	< 0.5	< 2	2.71	41	16	7.56	10	< 1	0.17	< 10	2.80
B411355 Orig	0.6	< 0.5	158	609	3	72	< 2	58	2.38	< 2	< 10	225	< 0.5	< 2	1.94	40	115	5.95	< 10	2	0.93	< 10	2.01
B411355 Dup	0.7	< 0.5	156	598	3	71	< 2	58	2.36	< 2	< 10	190	< 0.5	< 2	1.92	39	114	5.89	< 10	1	0.94	< 10	1.99
B411362 Orig	0.5	< 0.5	32	216	1	37	5	56	0.89	< 2	< 10	59	< 0.5	< 2	0.83	14	61	2.09	< 10	< 1	0.12	22	0.90
B411362 Split PREP DUP	0.5	< 0.5	33	214	1	37	5	53	0.89	< 2	< 10	60	< 0.5	< 2	0.84	14	59	2.11	< 10	< 1	0.12	23	0.90
B411368 Orig	0.4	< 0.5	70	701	< 1	172	4	57	3.27	9	< 10	68	< 0.5	< 2	6.85	36	354	5.91	< 10	2	0.34	22	4.60
B411368 Dup	0.3	< 0.5	72	688	< 1	174	< 2	57	3.32	11	< 10	68	< 0.5	< 2	6.90	36	355	6.01	< 10	2	0.34	22	4.64
B411382 Orig	< 0.2	< 0.5	194	609	22	33	< 2	38	1.60	6	< 10	13	< 0.5	< 2	3.06	30	48	5.04	< 10	1	0.07	< 10	1.54
B411382 Dup	0.2	< 0.5	192	601	22	32	< 2	37	1.58	4	< 10	12	< 0.5	< 2	3.01	29	47	4.95	< 10	2	0.06	< 10	1.52
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas	0.119	0.034	0.01	4	20	31		< 20	< 1	< 2	< 10	170	< 10	4	8
GXR-6 Cert	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
GXR-6 Meas	0.123	0.034	0.01	5	21	32		< 20	< 1	< 2	< 10	174	< 10	4	8
GXR-6 Cert	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
OREAS 98 (Aqua Regia) Meas				18											
OREAS 98 (Aqua Regia) Cert				15											
OREAS 98 (Aqua Regia) Meas				18											
OREAS 98 (Aqua Regia) Cert				15											
OREAS 922 (AQUA REGIA) Meas	0.032	0.061	0.38	< 2	4	18		< 20		< 2	< 10	36	< 10	18	14
OREAS 922 (AQUA REGIA) Cert	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas	0.032	0.061	0.38	< 2	4	18		< 20		< 2	< 10	37	< 10	19	16
OREAS 922 (AQUA REGIA) Cert	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 923 (AQUA REGIA) Meas		0.059	0.69	3	4	16		< 20		< 2	< 10	35	< 10	17	24
OREAS 923 (AQUA REGIA) Cert		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 923 (AQUA REGIA) Meas		0.058	0.68	2	4	16		< 20		< 2	< 10	36	< 10	17	23
OREAS 923 (AQUA REGIA) Cert		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
Oreas 96 (Aqua Regia) Meas			4.05	6											
Oreas 96 (Aqua Regia) Cert			4.38	4.53											
Oreas 96 (Aqua Regia) Meas			3.84	7											
Oreas 96 (Aqua Regia) Cert			4.38	4.53											
Oreas 621 (Aqua Regia) Meas	0.188	0.033	4.52	110	2	19		< 20		< 2	< 10	13	< 10	7	62
Oreas 621 (Aqua Regia) Cert	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
Oreas 621 (Aqua Regia) Meas	0.196	0.034	4.70	120	3	19		< 20		< 2	< 10	13	< 10	7	65
Oreas 621 (Aqua Regia) Cert	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
B411220 Orig	0.364	0.146	0.82	4	4	106	0.14	< 20	1	< 2	< 10	46	< 10	11	3
B411220 Dup	0.366	0.147	0.84	3	4	106	0.13	< 20	< 1	< 2	< 10	46	< 10	11	3
B411234 Orig	0.120	0.019	1.46	< 2	12	47	0.16	< 20	2	< 2	< 10	93	< 10	4	8
B411234 Dup	0.120	0.019	1.06	< 2	11	45	0.16	< 20	1	< 2	< 10	94	< 10	4	8
B411247 Orig	0.340	0.254	0.12	< 2	8	165	0.12	< 20	1	< 2	< 10	58	< 10	8	1
B411247 Dup	0.316	0.290	0.12	< 2	8	163	0.17	< 20	2	< 2	< 10	56	< 10	8	3

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B411261 Orig	0.134	0.029	0.38	< 2	7	35	0.16	< 20	2	< 2	< 10	66	< 10	5	17
B411261 Dup	0.135	0.029	0.39	< 2	7	36	0.17	< 20	3	< 2	< 10	66	< 10	5	18
B411262 Orig	0.167	0.034	0.13	< 2	10	33	0.21	< 20	2	< 2	< 10	106	< 10	5	19
B411262 Split PREP DUP	0.171	0.034	0.13	< 2	11	34	0.22	< 20	2	< 2	< 10	108	< 10	5	21
B411284 Orig	0.127	0.081	1.12	< 2	5	110	0.15	< 20	1	< 2	< 10	86	< 10	5	18
B411284 Dup	0.131	0.083	1.16	< 2	5	113	0.16	< 20	1	< 2	< 10	88	< 10	5	18
B411298 Orig	0.255	0.056	0.28	< 2	8	66	0.17	< 20	< 1	< 2	< 10	80	< 10	7	14
B411298 Dup	0.248	0.055	0.27	< 2	7	65	0.17	< 20	1	< 2	< 10	78	< 10	7	14
B411311 Orig	0.037	0.006	0.80	5	37	4	0.17	< 20	< 1	< 2	< 10	223	< 10	5	18
B411311 Dup	0.034	0.006	0.73	4	35	4	0.16	< 20	< 1	< 2	< 10	216	< 10	4	19
B411312 Orig	0.012	0.010	0.90	4	41	2	0.14	< 20	< 1	< 2	< 10	243	< 10	4	13
B411312 Split PREP DUP	0.013	0.010	0.93	6	41	2	0.14	< 20	< 1	< 2	< 10	247	< 10	4	11
B411325 Orig	0.194	0.048	0.31	< 2	6	187	0.11	< 20	1	< 2	< 10	54	< 10	4	16
B411325 Dup	0.192	0.048	0.32	3	6	188	0.11	< 20	3	< 2	< 10	54	< 10	4	16
B411341 Orig	0.357	0.049	0.23	4	26	39	0.13	< 20	< 1	< 2	< 10	217	< 10	12	14
B411341 Dup	0.348	0.049	0.22	3	26	38	0.13	< 20	< 1	< 2	< 10	214	< 10	12	14
B411355 Orig	0.298	0.047	0.45	2	19	53	0.23	< 20	4	< 2	< 10	173	< 10	9	12
B411355 Dup	0.294	0.047	0.44	3	19	53	0.23	< 20	< 1	< 2	< 10	171	< 10	9	11
B411362 Orig	0.175	0.062	0.08	< 2	3	34	0.16	< 20	1	< 2	< 10	55	< 10	5	6
B411362 Split PREP DUP	0.178	0.062	0.09	< 2	3	34	0.16	< 20	3	< 2	< 10	55	< 10	5	6
B411368 Orig	0.060	0.087	0.14	2	18	237	0.10	< 20	< 1	< 2	< 10	129	< 10	6	9
B411368 Dup	0.059	0.088	0.14	2	18	241	0.09	< 20	< 1	< 2	< 10	130	< 10	6	7
B411382 Orig	0.209	0.034	0.19	< 2	14	72	0.20	< 20	2	< 2	< 10	149	< 10	8	11
B411382 Dup	0.203	0.033	0.18	2	14	71	0.20	< 20	2	< 2	< 10	146	< 10	8	11
Method Blank	0.008	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.008	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.008	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1





Report No.: A21-09911-1E3
Report Date: 18-Aug-21
Date Submitted: 02-Jun-21
Your Reference:

SIGNATURE RESOURCES LTD
366 Bay Street, suite 200
Toronto ON M5H 4B2
Canada

ATTN: Robert Vallis

CERTIFICATE OF ANALYSIS

175 Core samples were submitted for analysis.

Table with 2 columns: The following analytical package(s) were requested: and Testing Date:
1A2B-30-Dryden | QOP AA-Au (Au - Fire Assay AA)

REPORT A21-09911-1E3

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

Notes:

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



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CERTIFIED BY:

Handwritten signature of Emmanuel Esemé

Emmanuel Esemé, Ph.D.
Quality Control Coordinator

## Results

## Activation Laboratories Ltd.

## Report: A21-09911

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2		0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B411038	0.3	< 0.5	48	416	7	146	6	39	1.30	7	< 10	99	< 0.5	< 2	3.01	20	296	2.33	< 10	< 1	0.38	66	2.07
B411039	1.7	< 0.5	53	700	95	146	6	31	1.16	5	< 10	104	< 0.5	< 2	6.72	21	225	2.11	< 10	< 1	0.45	24	4.30
B411040	0.2	< 0.5	75	1300	1	108	5	69	1.75	1060	< 10	71	< 0.5	< 2	1.76	29	44	6.00	< 10	< 1	0.08	12	2.25
B411041	0.3	< 0.5	57	420	14	123	< 2	33	1.61	9	< 10	142	< 0.5	< 2	1.46	32	334	3.07	< 10	< 1	0.69	12	1.96
B411042	0.3	< 0.5	65	394	< 1	171	3	39	1.92	4	< 10	235	< 0.5	< 2	1.33	33	519	2.99	< 10	< 1	1.04	17	2.46
B411043	1.0	< 0.5	146	546	< 1	99	< 2	44	2.21	3	< 10	144	< 0.5	< 2	1.74	36	214	5.30	< 10	< 1	0.64	< 10	2.00
B411044	0.9	< 0.5	163	691	12	65	< 2	51	3.17	12	< 10	124	< 0.5	< 2	2.76	38	119	6.49	< 10	1	0.46	< 10	2.21
B411045	0.3	< 0.5	110	660	9	66	< 2	36	2.67	5	< 10	67	< 0.5	< 2	2.26	32	107	5.49	< 10	1	0.35	< 10	1.82
B411046	1.7	< 0.5	103	685	< 1	105	2	41	3.15	12	< 10	131	< 0.5	3	2.81	40	270	5.31	< 10	1	1.15	27	2.26
B411047	< 0.2	< 0.5	2	343	< 1	178	6	37	1.70	13	< 10	629	< 0.5	< 2	1.63	31	626	2.54	< 10	< 1	0.95	59	2.41
B411048	1.4	0.6	67	1020	1	51	7	50	1.49	34	< 10	125	< 0.5	< 2	7.95	19	115	3.70	< 10	< 1	0.58	13	4.25
B411049	< 0.2	< 0.5	24	383	2	165	5	30	1.70	18	< 10	815	< 0.5	< 2	1.89	28	576	2.80	< 10	< 1	0.64	62	2.57
B411050	< 0.2	< 0.5	2	114	< 1	2	< 2	5	0.08	< 2	< 10	21	< 0.5	< 2	0.02	< 1	10	1.02	< 10	< 1	0.01	< 10	0.01
B411051	0.6	< 0.5	24	356	1	190	3	36	1.91	17	< 10	751	< 0.5	< 2	1.62	25	696	2.74	< 10	< 1	1.36	83	2.76
B411052	0.5	< 0.5	18	557	< 1	177	6	42	1.88	13	< 10	733	< 0.5	< 2	3.17	25	704	3.31	< 10	< 1	1.56	75	2.91
B411053	0.5	< 0.5	31	579	1	179	8	46	2.10	16	< 10	112	< 0.5	< 2	3.30	35	676	4.08	< 10	< 1	1.22	69	3.12
B411054	1.8	< 0.5	63	682	2	86	6	43	1.29	8	< 10	204	< 0.5	< 2	6.38	17	328	2.79	< 10	< 1	0.51	46	3.38
B411055	0.3	< 0.5	31	389	< 1	177	3	39	1.81	11	< 10	977	< 0.5	< 2	2.13	27	638	2.76	< 10	< 1	1.07	80	2.73
B411056	0.3	< 0.5	33	378	< 1	179	3	39	1.77	9	< 10	771	< 0.5	< 2	2.07	28	647	2.76	< 10	< 1	1.11	82	2.69
B411057	8.0	< 0.5	36	610	< 1	244	5	51	2.94	7	< 10	875	< 0.5	< 2	3.91	28	681	3.53	< 10	< 1	1.37	79	3.91
B411058	< 0.2	< 0.5	24	401	< 1	188	3	40	1.92	2	< 10	99	< 0.5	< 2	2.55	25	419	2.67	< 10	< 1	0.35	18	2.39
B411059	< 0.2	< 0.5	18	375	< 1	153	< 2	38	1.45	2	< 10	44	< 0.5	< 2	2.80	19	376	2.12	< 10	< 1	0.22	30	2.12
B411060	1.4	< 0.5	128	620	4	151	31	63	3.00	54	15	45	< 0.5	< 2	2.89	29	415	4.42	< 10	2	0.21	< 10	3.13
B411061	1.0	< 0.5	56	312	< 1	28	2	35	0.90	3	< 10	25	< 0.5	2	1.25	12	43	1.97	< 10	< 1	0.10	22	0.89
B411062	0.7	< 0.5	72	173	< 1	28	< 2	16	0.48	8	< 10	< 10	< 0.5	< 2	0.61	10	37	1.47	< 10	< 1	0.02	23	0.42
B411063	0.4	< 0.5	44	237	< 1	63	< 2	25	0.78	12	< 10	< 10	< 0.5	< 2	1.24	13	123	1.52	< 10	< 1	0.04	26	0.81
B411064	1.1	< 0.5	147	737	7	45	2	51	1.83	4	< 10	11	< 0.5	< 2	2.29	34	68	5.61	< 10	2	0.12	12	1.94
B411065	2.3	< 0.5	367	722	40	34	3	43	1.69	2	< 10	< 10	< 0.5	< 2	2.25	50	14	6.77	< 10	< 1	0.10	< 10	1.57
B411066	3.8	0.7	165	741	22	72	4	48	2.64	497	< 10	61	< 0.5	< 2	1.17	53	80	6.16	< 10	< 1	0.77	< 10	1.70
B411067	0.7	< 0.5	56	861	4	35	< 2	48	3.26	23	< 10	72	< 0.5	< 2	2.53	30	27	4.54	< 10	< 1	0.58	15	1.89
B411068	0.3	< 0.5	68	713	< 1	50	< 2	56	2.93	28	< 10	114	< 0.5	< 2	2.46	34	81	4.79	< 10	2	0.92	20	2.14
B411069	0.7	< 0.5	95	719	103	57	< 2	43	2.93	18	< 10	123	< 0.5	< 2	2.85	33	79	4.42	< 10	3	1.09	< 10	2.44
B411070	< 0.2	< 0.5	2	104	< 1	1	< 2	5	0.06	< 2	< 10	< 10	< 0.5	< 2	0.02	< 1	8	0.89	< 10	< 1	< 0.01	< 10	< 0.01
B411071	1.0	< 0.5	79	614	119	85	4	43	2.58	29	< 10	33	< 0.5	< 2	2.15	37	165	3.95	< 10	< 1	1.19	14	2.37
B411072	< 0.2	< 0.5	31	607	10	178	< 2	75	2.93	54	< 10	297	< 0.5	< 2	1.99	28	570	4.39	< 10	< 1	1.71	63	3.32
B411073	0.7	< 0.5	73	479	715	112	< 2	56	2.03	26	< 10	157	< 0.5	< 2	1.79	20	297	2.86	< 10	< 1	0.88	33	2.25
B411074	< 0.2	< 0.5	10	473	124	128	< 2	48	1.95	20	< 10	165	< 0.5	< 2	2.01	19	404	2.76	< 10	< 1	0.89	51	2.53
B411075	< 0.2	< 0.5	10	421	2	191	3	47	2.05	25	< 10	217	< 0.5	< 2	1.91	28	676	2.89	< 10	< 1	1.15	73	2.75
B411076	< 0.2	< 0.5	8	424	< 1	185	< 2	48	2.05	22	< 10	225	< 0.5	< 2	1.85	23	673	2.90	< 10	< 1	1.17	79	2.74
B411077	0.2	< 0.5	114	525	38	114	< 2	43	2.31	11	17	162	< 0.5	< 2	1.76	36	329	4.10	< 10	< 1	0.94	34	2.73
B411078	< 0.2	< 0.5	81	468	19	146	5	42	2.26	9	16	160	< 0.5	< 2	1.75	28	438	3.77	< 10	< 1	0.84	48	3.01
B411079	< 0.2	< 0.5	17	378	8	135	3	33	1.77	8	< 10	113	< 0.5	< 2	1.53	22	469	2.80	< 10	< 1	0.71	44	2.41
B411080	< 0.2	< 0.5	49	576	< 1	118	9	87	2.09	12	< 10	71	0.6	< 2	1.14	34	58	5.17	< 10	1	0.14	15	1.68
B411081	0.4	< 0.5	144	519	101	100	< 2	33	2.30	4	< 10	53	< 0.5	< 2	2.30	34	256	3.59	< 10	< 1	0.37	20	2.37
B411082	0.4	< 0.5	216	1160	< 1	24	< 2	117	3.52	172	< 10	47	< 0.5	2	3.79	41	1	10.8	10	1	0.60	< 10	1.96
B411083	0.6	< 0.5	431	985	< 1	17	< 2	92	3.09	38	< 10	29	< 0.5	< 2	3.10	40	1	9.38	10	< 1	0.46	< 10	1.73
B411084	0.5	< 0.5	325	847	< 1	20	< 2	79	2.57	34	< 10	15	< 0.5	< 2	3.17	45	1	8.01	< 10	< 1	0.19	< 10	1.37
B411085	0.4	< 0.5	216	810	< 1	26	< 2	82	2.66	38	< 10	31	< 0.5	< 2	3.31	43	2	7.67	< 10	< 1	0.32	< 10	1.42
B411086	0.5	< 0.5	298	838	< 1	28	< 2	90	2.89	101	< 10	35	< 0.5	< 2	2.31	43	2	8.33	< 10	1	0.36	< 10	1.70
B411087	0.7	< 0.5	537	973	< 1	30	9	80	2.72	2790	< 10	40	< 0.5	< 2	2.76	37	2	9.58	10	< 1	0.47	< 10	1.79
B411088	0.5	0.6	296	832	< 1	24	17	103	2.28	442	< 10	28	< 0.5	< 2	3.13	44	10	8.06	< 10	1	0.30	< 10	1.46

Results

Activation Laboratories Ltd.

Report: A21-09911

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2		0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B411089	0.6	< 0.5	538	752	< 1	34	< 2	89	2.39	1680	< 10	39	< 0.5	3	2.23	52	12	9.94	< 10	< 1	0.63	< 10	1.33
B411090	< 0.2	< 0.5	2	59	< 1	1	< 2	7	0.06	< 2	< 10	< 10	< 0.5	< 2	0.01	< 1	7	0.54	< 10	< 1	< 0.01	< 10	< 0.01
B411091	0.3	< 0.5	229	811	< 1	26	< 2	95	2.55	67	< 10	62	< 0.5	< 2	2.71	42	12	8.32	< 10	< 1	0.55	< 10	1.43
B411092	0.3	< 0.5	243	798	< 1	28	< 2	93	2.52	54	< 10	70	< 0.5	2	3.13	40	11	8.85	< 10	2	0.70	< 10	1.35
B411093	0.3	< 0.5	204	814	< 1	22	< 2	89	2.16	39	< 10	34	< 0.5	< 2	3.17	42	9	7.20	< 10	1	0.34	< 10	1.11
B411094	0.7	0.8	689	809	< 1	27	< 2	100	2.42	392	< 10	37	< 0.5	2	2.43	50	8	9.40	< 10	1	0.31	< 10	1.36
B411095	0.3	< 0.5	228	912	< 1	6	< 2	88	2.09	39	< 10	12	< 0.5	< 2	2.78	43	1	7.68	< 10	2	0.17	< 10	1.00
B411096	0.3	0.6	253	916	< 1	7	< 2	91	2.13	34	< 10	13	< 0.5	2	2.75	40	1	7.75	< 10	< 1	0.16	< 10	1.03
B411097	0.2	< 0.5	171	912	< 1	9	< 2	90	2.31	41	< 10	11	< 0.5	3	2.35	43	< 1	8.83	< 10	1	0.13	< 10	1.13
B411098	< 0.2	< 0.5	133	1010	< 1	8	< 2	92	2.65	42	< 10	< 10	< 0.5	< 2	2.94	44	< 1	8.64	< 10	1	0.13	< 10	1.25
B411099	0.2	< 0.5	138	890	< 1	6	< 2	85	2.41	36	< 10	< 10	< 0.5	< 2	2.53	41	< 1	7.74	< 10	< 1	0.12	< 10	1.12
B411100	0.3	< 0.5	74	1290	1	105	< 2	89	1.70	1040	< 10	65	< 0.5	< 2	1.75	28	45	5.93	< 10	1	0.08	12	2.24
B411101	< 0.2	< 0.5	59	997	< 1	6	< 2	89	2.48	25	< 10	< 10	< 0.5	< 2	2.80	29	< 1	8.19	< 10	< 1	0.11	< 10	1.13
B411102	0.2	0.5	202	945	< 1	8	< 2	83	2.28	39	< 10	14	< 0.5	3	2.62	46	1	7.60	< 10	< 1	0.14	< 10	1.08
B411103	0.3	< 0.5	224	993	< 1	9	< 2	94	2.60	40	< 10	32	< 0.5	< 2	2.50	42	< 1	8.84	< 10	2	0.23	< 10	1.23
B411104	0.3	< 0.5	188	923	< 1	6	< 2	91	2.35	47	< 10	24	< 0.5	2	2.33	48	1	8.18	< 10	2	0.20	< 10	1.10
B411105	0.3	0.8	467	939	< 1	8	< 2	85	2.53	561	< 10	51	< 0.5	2	3.22	38	< 1	9.34	< 10	2	0.36	< 10	1.30
B411106	0.3	1.3	282	933	< 1	9	< 2	107	2.77	803	< 10	53	< 0.5	3	2.68	40	< 1	10.4	10	< 1	0.36	< 10	1.44
B411107	< 0.2	< 0.5	205	928	2	8	< 2	93	2.26	30	< 10	42	< 0.5	< 2	2.35	40	< 1	8.58	< 10	1	0.29	< 10	1.24
B411108	< 0.2	< 0.5	197	838	< 1	7	< 2	92	2.12	32	< 10	< 10	< 0.5	< 2	2.42	42	1	8.38	< 10	2	0.10	< 10	1.08
B411109	0.7	< 0.5	551	827	11	8	< 2	88	2.15	44	< 10	48	< 0.5	< 2	2.80	48	1	8.20	< 10	2	0.25	< 10	1.02
B411110	< 0.2	< 0.5	2	54	< 1	1	< 2	4	0.06	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	7	0.51	< 10	< 1	< 0.01	< 10	< 0.01
B411111	0.3	< 0.5	222	839	< 1	9	< 2	82	2.09	35	< 10	21	< 0.5	2	2.39	48	1	7.99	< 10	2	0.18	< 10	1.10
B411112	< 0.2	< 0.5	78	921	< 1	10	< 2	82	2.28	37	< 10	30	< 0.5	3	2.83	43	1	8.34	< 10	< 1	0.22	< 10	1.16
B411113	2.7	< 0.5	4160	863	< 1	16	< 2	108	2.47	15	< 10	16	< 0.5	3	1.62	42	1	11.0	< 10	2	0.55	< 10	1.37
B411114	< 0.2	< 0.5	129	916	< 1	10	< 2	91	2.52	26	< 10	106	< 0.5	< 2	2.74	41	1	9.53	< 10	1	0.43	< 10	1.36
B411115	0.4	< 0.5	352	1050	< 1	15	3	96	2.86	16	< 10	44	< 0.5	3	3.37	41	1	9.74	10	< 1	0.24	< 10	1.64
B411116	0.5	< 0.5	390	968	< 1	15	2	87	2.62	15	< 10	48	< 0.5	< 2	3.30	46	< 1	9.35	< 10	< 1	0.27	< 10	1.49
B411117	1.1	< 0.5	766	846	2	64	3	89	2.70	11	< 10	60	< 0.5	< 2	3.11	51	116	8.95	< 10	1	0.30	< 10	2.10
B411118	0.4	< 0.5	207	681	< 1	78	< 2	70	1.65	40	< 10	72	< 0.5	< 2	2.98	39	193	4.26	< 10	< 1	0.20	< 10	1.71
B411119	0.3	< 0.5	184	697	< 1	75	< 2	51	1.57	31	< 10	45	< 0.5	< 2	3.05	40	168	4.45	< 10	< 1	0.15	< 10	1.63
B411120	1.4	< 0.5	125	610	4	149	28	62	2.93	55	15	44	< 0.5	< 2	2.88	29	409	4.34	< 10	1	0.20	< 10	3.06
B411121	0.3	< 0.5	192	866	< 1	85	< 2	69	2.49	8	< 10	65	< 0.5	< 2	3.70	39	152	6.19	< 10	1	0.37	< 10	2.17
B411122	0.3	< 0.5	200	867	< 1	120	< 2	60	2.40	2	< 10	109	< 0.5	< 2	3.92	44	282	6.18	< 10	2	0.87	< 10	2.27
B411123	0.3	< 0.5	196	668	< 1	86	2	38	1.52	14	< 10	29	< 0.5	< 2	2.98	41	139	4.44	< 10	< 1	0.17	< 10	1.67
B411124	< 0.2	< 0.5	133	501	< 1	84	< 2	27	1.04	25	< 10	27	< 0.5	< 2	2.87	29	416	2.72	< 10	< 1	0.11	< 10	1.51
B411125	< 0.2	< 0.5	34	636	6	121	2	41	1.52	23	< 10	131	< 0.5	< 2	3.46	28	685	3.17	< 10	1	0.33	13	1.98
B411126	< 0.2	< 0.5	12	441	< 1	186	20	59	2.02	14	< 10	575	< 0.5	< 2	2.95	29	399	3.34	< 10	< 1	1.17	86	2.49
B411127	0.2	< 0.5	121	672	< 1	128	3	63	2.01	7	< 10	225	< 0.5	< 2	3.23	36	263	4.91	< 10	< 1	0.77	33	2.02
B411128	0.5	0.5	367	742	< 1	94	< 2	58	1.78	9	< 10	45	< 0.5	< 2	3.31	38	201	5.40	< 10	< 1	0.21	< 10	1.72
B411129	0.3	< 0.5	213	818	< 1	107	< 2	85	2.03	10	< 10	84	< 0.5	< 2	3.95	38	245	5.40	< 10	2	0.29	< 10	2.00
B411130	< 0.2	< 0.5	3	123	< 1	2	< 2	3	0.09	< 2	< 10	13	< 0.5	< 2	0.04	< 1	15	1.10	< 10	< 1	0.02	< 10	0.02
B411131	0.2	0.5	194	746	< 1	74	< 2	54	1.57	10	< 10	15	< 0.5	< 2	3.62	37	148	5.02	< 10	2	0.07	11	1.58
B411132	0.8	< 0.5	1030	629	< 1	52	5	35	1.25	30	< 10	< 10	< 0.5	< 2	3.15	33	70	4.18	< 10	< 1	0.08	< 10	1.29
B411133	< 0.2	< 0.5	72	1190	< 1	98	< 2	88	3.42	28	< 10	89	< 0.5	3	4.88	46	260	7.59	< 10	< 1	0.45	< 10	2.91
B411134	0.2	< 0.5	226	1030	< 1	83	< 2	79	3.29	< 2	< 10	139	< 0.5	2	3.92	43	85	8.51	< 10	1	0.99	< 10	2.47
B411135	0.3	0.6	342	1100	3	72	< 2	57	2.17	8	< 10	60	< 0.5	< 2	5.00	40	73	6.51	< 10	1	0.38	< 10	1.79
B411136	0.3	< 0.5	377	1100	4	77	< 2	61	2.34	8	< 10	73	< 0.5	< 2	4.50	41	76	6.89	< 10	2	0.44	< 10	1.95
B411137	0.3	< 0.5	313	813	1	87	< 2	62	2.38	19	< 10	151	< 0.5	< 2	2.94	44	141	6.64	< 10	2	0.81	< 10	1.95
B411138	< 0.2	< 0.5	249	713	< 1	59	< 2	46	1.41	26	< 10	27	< 0.5	< 2	2.68	37	81	4.83	< 10	< 1	0.15	< 10	1.53
B411139	< 0.2	< 0.5	266	783	< 1	65	< 2	57	1.75	27	< 10	63	< 0.5	< 2	2.79	39	95	5.56	< 10	< 1	0.28	< 10	1.71

## Results

## Activation Laboratories Ltd.

## Report: A21-09911

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2		0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B411140	< 0.2	< 0.5	49	574	< 1	116	9	87	2.06	13	< 10	69	0.6	< 2	1.13	33	58	5.14	< 10	< 1	0.14	15	1.67
B411141	< 0.2	< 0.5	185	1090	2	124	< 2	86	3.41	1210	< 10	11	< 0.5	2	0.89	66	272	10.5	10	1	0.07	< 10	2.14
B411142	0.4	< 0.5	751	1280	< 1	174	< 2	107	4.49	167	< 10	13	< 0.5	< 2	0.22	70	412	13.3	10	< 1	0.07	< 10	2.75
B411143	0.6	0.9	364	971	3	189	6	110	3.20	493	< 10	31	< 0.5	< 2	0.11	76	187	8.06	< 10	1	0.10	< 10	1.89
B411144	0.4	0.7	230	1730	1	331	< 2	71	4.78	324	< 10	< 10	< 0.5	< 2	0.03	102	163	12.2	10	< 1	0.02	< 10	2.43
B411145	0.3	< 0.5	187	769	1	52	< 2	74	1.81	12	< 10	29	< 0.5	< 2	2.68	33	51	5.65	< 10	2	0.13	< 10	1.68
B411146	0.5	< 0.5	392	763	2	73	< 2	71	2.04	4	< 10	39	< 0.5	< 2	2.83	50	67	6.48	< 10	2	0.17	< 10	1.81
B411147	0.2	< 0.5	139	656	14	51	< 2	47	1.36	16	< 10	15	< 0.5	< 2	2.47	31	68	4.60	< 10	< 1	0.09	< 10	1.69
B411148	< 0.2	< 0.5	105	627	< 1	43	< 2	47	1.33	13	< 10	< 10	< 0.5	< 2	2.09	30	42	4.60	< 10	< 1	0.07	< 10	1.48
B411149	< 0.2	< 0.5	105	659	< 1	39	< 2	50	1.28	10	< 10	< 10	< 0.5	< 2	2.36	28	34	4.62	< 10	< 1	0.06	< 10	1.48
B411150	< 0.2	< 0.5	2	107	< 1	2	< 2	< 2	0.07	< 2	< 10	11	< 0.5	< 2	< 0.01	< 1	13	0.92	< 10	< 1	0.01	< 10	< 0.01
B411151	< 0.2	< 0.5	224	660	< 1	40	< 2	50	1.38	7	< 10	< 10	< 0.5	< 2	2.67	31	25	5.32	< 10	2	0.08	< 10	1.35
B411152	0.4	< 0.5	307	568	1	38	< 2	49	1.50	9	< 10	< 10	< 0.5	< 2	1.69	34	24	5.81	< 10	1	0.09	< 10	1.51
B411153	0.4	< 0.5	195	688	3	50	< 2	52	1.94	10	< 10	78	< 0.5	< 2	2.40	34	55	6.26	< 10	2	0.72	< 10	1.75
B411154	0.4	< 0.5	182	671	6	47	< 2	55	1.87	8	< 10	50	< 0.5	< 2	2.17	36	45	6.48	< 10	2	0.47	< 10	1.70
B411155	0.4	< 0.5	119	828	2	82	< 2	61	2.91	22	< 10	73	< 0.5	2	3.25	39	115	6.89	< 10	1	0.57	< 10	2.45
B411156	0.4	< 0.5	141	799	4	80	2	55	2.70	20	< 10	71	< 0.5	3	3.40	43	121	6.32	< 10	< 1	0.55	< 10	2.21
B411157	< 0.2	< 0.5	87	653	2	14	< 2	69	2.28	17	< 10	107	< 0.5	< 2	2.04	27	5	5.45	< 10	2	0.43	< 10	1.38
B411158	0.9	< 0.5	264	594	2	67	3	30	1.02	2	< 10	177	< 0.5	< 2	2.87	22	26	2.98	< 10	< 1	0.39	< 10	1.41
B411159	1.4	< 0.5	395	810	2	155	< 2	53	1.94	< 2	< 10	133	< 0.5	< 2	2.14	49	174	6.14	< 10	< 1	0.53	< 10	2.17
B411160	0.3	< 0.5	79	1390	1	113	2	73	1.82	1080	< 10	62	< 0.5	< 2	1.83	30	48	6.43	< 10	2	0.08	13	2.38
B411161	1.5	< 0.5	90	1020	21	211	2	61	2.37	< 2	< 10	103	< 0.5	< 2	1.19	52	320	6.84	< 10	< 1	0.45	< 10	2.18
B411162	0.4	< 0.5	75	802	5	171	< 2	53	1.94	5	< 10	95	< 0.5	< 2	1.75	41	308	5.52	< 10	< 1	0.44	< 10	2.14
B411163	< 0.2	< 0.5	6	401	3	90	< 2	25	0.87	4	< 10	38	< 0.5	< 2	1.44	17	375	2.26	< 10	< 1	0.15	< 10	1.60
B411164	< 0.2	< 0.5	2	370	4	45	< 2	17	0.63	4	< 10	< 10	< 0.5	< 2	1.74	10	229	1.87	< 10	< 1	0.03	< 10	1.08
B411165	< 0.2	< 0.5	10	425	3	122	< 2	30	1.17	3	< 10	51	< 0.5	< 2	1.48	19	430	2.86	< 10	< 1	0.25	24	1.83
B411166	0.2	< 0.5	36	495	2	252	5	38	1.65	< 2	< 10	37	< 0.5	< 2	1.16	29	539	3.76	< 10	< 1	0.16	14	2.49
B411167	1.6	1.0	664	829	6	1010	< 2	117	3.08	5	< 10	29	< 0.5	< 2	0.80	142	2020	10.3	10	< 1	0.68	< 10	3.63
B411168	0.3	< 0.5	30	846	8	543	< 2	50	1.60	42	< 10	< 10	< 0.5	< 2	2.71	71	1710	7.33	< 10	< 1	< 0.01	< 10	3.20
B411169	< 0.2	< 0.5	19	509	34	382	< 2	43	1.65	11	< 10	< 10	< 0.5	< 2	0.98	45	1710	5.56	< 10	1	< 0.01	< 10	3.26
B411170	< 0.2	< 0.5	2	138	< 1	2	2	< 2	0.06	< 2	< 10	< 10	< 0.5	< 2	0.04	< 1	17	1.15	< 10	< 1	0.01	< 10	0.01
B411171	0.3	< 0.5	28	574	18	409	< 2	45	1.54	25	< 10	< 10	< 0.5	< 2	0.96	59	1720	6.92	< 10	< 1	< 0.01	< 10	3.70
B411172	0.2	< 0.5	18	580	45	376	< 2	42	1.47	32	< 10	< 10	< 0.5	< 2	0.89	60	1780	6.69	< 10	1	< 0.01	< 10	3.46
B411173	1.4	0.6	160	626	27	644	< 2	52	1.66	53	< 10	< 10	< 0.5	< 2	0.64	91	1930	7.87	< 10	2	< 0.01	< 10	3.81
B411174	0.4	< 0.5	36	1200	14	370	< 2	34	1.28	55	< 10	< 10	< 0.5	3	2.50	80	2060	8.54	< 10	1	< 0.01	< 10	4.09
B411175	0.3	< 0.5	34	1380	< 1	328	4	28	1.13	70	< 10	< 10	< 0.5	3	2.97	71	1740	8.40	< 10	1	< 0.01	< 10	4.27
B411176	0.3	< 0.5	35	1330	< 1	343	< 2	29	1.16	72	< 10	< 10	< 0.5	2	2.84	76	1790	8.61	< 10	1	< 0.01	< 10	4.32
B411177	0.4	< 0.5	35	1190	20	362	< 2	36	1.43	49	< 10	< 10	< 0.5	2	2.34	73	1740	8.49	< 10	< 1	< 0.01	< 10	4.17
B411178	0.4	< 0.5	76	1340	2	351	2	35	1.36	43	< 10	< 10	< 0.5	< 2	2.64	66	1670	8.47	< 10	1	< 0.01	< 10	4.37
B411179	0.2	< 0.5	44	1310	22	350	< 2	39	1.33	29	< 10	< 10	< 0.5	4	2.31	60	1810	9.12	< 10	1	< 0.01	< 10	4.17
B411180	1.4	< 0.5	126	619	4	150	29	63	2.98	56	15	45	< 0.5	< 2	2.88	31	416	4.38	< 10	2	0.20	< 10	3.10
B411181	0.4	< 0.5	47	1210	17	313	< 2	42	1.53	8	< 10	< 10	< 0.5	< 2	2.89	59	1540	8.55	< 10	< 1	0.03	< 10	3.90
B411182	0.3	< 0.5	71	661	17	376	< 2	40	1.57	5	< 10	26	< 0.5	< 2	1.39	59	1300	7.41	< 10	2	0.19	< 10	3.26
B411183	< 0.2	< 0.5	82	572	7	376	< 2	40	1.63	4	< 10	76	< 0.5	< 2	1.46	54	1180	6.97	< 10	< 1	0.48	< 10	3.06
B411184	1.3	< 0.5	136	726	6	443	< 2	50	1.40	19	< 10	26	< 0.5	< 2	2.57	68	1030	6.36	< 10	< 1	0.16	< 10	2.64
B411185	0.9	< 0.5	133	689	32	386	< 2	28	1.32	23	< 10	36	< 0.5	< 2	3.23	53	793	4.88	< 10	< 1	0.17	< 10	2.12
B411186	0.3	< 0.5	113	686	6	354	< 2	39	1.94	14	< 10	74	< 0.5	< 2	2.39	60	1060	5.89	< 10	1	0.34	< 10	2.67
B411187	0.5	< 0.5	112	537	35	441	< 2	27	1.36	10	< 10	84	< 0.5	< 2	2.16	61	826	4.48	< 10	< 1	0.37	< 10	2.36
B411188	1.3	< 0.5	453	584	18	636	< 2	34	1.56	5	< 10	32	< 0.5	< 2	1.70	102	880	7.69	< 10	1	0.13	< 10	2.00
B411189	0.4	< 0.5	133	782	14	210	3	29	1.50	9	< 10	52	< 0.5	< 2	3.65	60	453	5.01	< 10	< 1	0.19	< 10	1.95
B411190	< 0.2	< 0.5	3	150	< 1	2	< 2	2	0.07	< 2	< 10	< 10	< 0.5	< 2	0.02	< 1	20	1.44	< 10	< 1	0.01	< 10	0.01

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B411191	0.5	< 0.5	175	723	10	199	< 2	35	1.80	9	< 10	96	< 0.5	< 2	2.87	56	541	5.62	< 10	< 1	0.46	< 10	1.97
B411192	0.6	< 0.5	161	790	10	166	3	35	1.77	13	< 10	93	< 0.5	< 2	3.28	65	400	5.74	< 10	2	0.47	< 10	2.03
B411193	0.5	< 0.5	169	1020	13	247	2	38	1.87	80	< 10	39	< 0.5	< 2	4.21	73	500	6.61	< 10	< 1	0.31	< 10	2.57
B411194	0.8	< 0.5	146	654	43	274	3	37	1.61	83	< 10	44	< 0.5	< 2	2.30	69	439	6.50	< 10	< 1	0.17	< 10	2.39
B411195	0.3	< 0.5	61	679	2	103	< 2	27	1.08	26	< 10	32	< 0.5	< 2	3.51	35	245	3.16	< 10	< 1	0.12	< 10	1.68
B411196	0.2	< 0.5	54	664	1	93	< 2	26	1.01	26	< 10	26	< 0.5	< 2	3.49	33	220	2.93	< 10	< 1	0.09	< 10	1.59
B411197	0.3	< 0.5	92	735	6	84	< 2	29	1.09	50	< 10	49	< 0.5	< 2	4.00	37	235	3.27	< 10	< 1	0.24	< 10	1.81
B411198	< 0.2	< 0.5	102	709	3	74	< 2	27	1.01	40	< 10	30	< 0.5	< 2	4.11	34	246	3.01	< 10	< 1	0.16	< 10	1.69
B411199	0.3	< 0.5	70	764	8	116	< 2	40	1.54	47	< 10	98	< 0.5	< 2	3.88	39	365	4.22	< 10	< 1	0.43	< 10	2.07
B411200	0.2	< 0.5	52	607	< 1	124	11	92	2.18	11	< 10	73	0.7	3	1.18	36	62	5.47	< 10	< 1	0.15	16	1.77
B411201	0.3	< 0.5	72	799	3	95	< 2	34	1.33	26	< 10	70	< 0.5	< 2	4.51	33	375	3.52	< 10	< 1	0.29	< 10	1.91
B411202	0.5	< 0.5	101	761	3	154	< 2	41	1.64	17	< 10	125	< 0.5	< 2	3.66	42	477	4.27	< 10	< 1	0.59	< 10	1.99
B411203	0.4	< 0.5	93	598	4	120	< 2	29	1.31	18	< 10	113	< 0.5	< 2	3.15	33	362	3.24	< 10	< 1	0.49	< 10	1.91
B411204	0.6	< 0.5	97	684	15	182	3	31	1.24	58	< 10	56	< 0.5	< 2	3.25	51	274	3.56	< 10	< 1	0.23	< 10	1.89
B411205	0.3	< 0.5	78	522	2	127	3	46	1.84	131	< 10	48	< 0.5	< 2	2.23	40	302	3.32	< 10	< 1	0.18	< 10	1.93
B411206	0.2	< 0.5	58	360	3	111	< 2	38	1.38	148	< 10	27	< 0.5	< 2	1.20	39	332	2.79	< 10	< 1	0.11	< 10	1.66
B411207	1.0	< 0.5	195	521	24	252	3	75	2.16	134	< 10	72	< 0.5	< 2	4.07	44	444	3.76	< 10	< 1	0.26	46	2.97
B411208	1.0	0.7	62	823	3	329	3	136	3.22	160	< 10	192	< 0.5	< 2	6.02	42	682	4.78	< 10	2	0.64	57	4.60
B411209	3.1	4.1	357	790	20	294	4	267	2.36	193	< 10	177	< 0.5	< 2	6.22	50	387	4.03	< 10	< 1	0.44	54	3.60
B411210	< 0.2	< 0.5	2	135	< 1	2	< 2	2	0.07	< 2	< 10	< 10	< 0.5	< 2	0.01	< 1	17	1.16	< 10	< 1	0.01	< 10	0.01
B411211	4.5	0.8	625	880	19	136	11	95	1.33	7	< 10	67	< 0.5	< 2	5.17	43	178	4.70	< 10	< 1	0.58	< 10	2.18
B411212	0.5	< 0.5	67	419	< 1	141	4	42	1.80	8	< 10	271	< 0.5	< 2	1.75	24	362	2.91	< 10	< 1	0.67	16	2.10

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B411038	0.112	0.355	0.14	< 2	8	102	0.21	< 20	4	< 2	< 10	55	< 10	10	3
B411039	0.067	0.112	0.14	< 2	4	177	0.15	< 20	2	< 2	< 10	33	< 10	6	8
B411040	0.282	0.146	0.81	3	4	102	0.16	< 20	< 1	< 2	< 10	45	< 10	11	5
B411041	0.139	0.058	0.28	2	9	42	0.23	< 20	4	< 2	< 10	86	< 10	6	19
B411042	0.139	0.076	0.25	2	7	60	0.21	< 20	1	< 2	< 10	71	< 10	5	18
B411043	0.189	0.051	0.54	3	13	52	0.25	< 20	2	< 2	< 10	143	< 10	8	11
B411044	0.240	0.039	0.75	< 2	19	116	0.21	< 20	3	< 2	< 10	181	11	11	8
B411045	0.292	0.041	0.46	2	16	111	0.21	< 20	< 1	< 2	< 10	148	< 10	10	8
B411046	0.162	0.123	0.80	2	11	108	0.28	< 20	< 1	< 2	< 10	126	< 10	10	17
B411047	0.152	0.248	0.16	3	8	178	0.22	< 20	4	< 2	< 10	58	< 10	8	7
B411048	0.053	0.065	1.33	< 2	6	296	0.11	< 20	2	< 2	< 10	62	< 10	6	11
B411049	0.197	0.257	0.16	3	9	322	0.16	< 20	3	< 2	< 10	59	< 10	9	5
B411050	0.014	0.002	< 0.01	< 2	< 1	3	< 0.01	< 20	< 1	< 2	< 10	2	< 10	< 1	4
B411051	0.154	0.338	0.07	4	5	314	0.23	< 20	6	< 2	< 10	60	< 10	8	4
B411052	0.138	0.310	0.19	3	7	536	0.23	< 20	3	< 2	< 10	83	< 10	9	4
B411053	0.073	0.292	0.69	4	12	445	0.18	< 20	2	< 2	< 10	95	< 10	10	5
B411054	0.087	0.190	0.21	< 2	7	501	0.12	< 20	3	< 2	< 10	55	< 10	7	6
B411055	0.192	0.328	0.15	< 2	7	384	0.22	< 20	3	< 2	< 10	60	< 10	9	4
B411056	0.186	0.340	0.15	3	7	369	0.22	< 20	2	< 2	< 10	61	< 10	10	4
B411057	0.229	0.331	0.04	3	8	334	0.22	< 20	2	< 2	< 10	68	< 10	10	4
B411058	0.196	0.077	0.09	2	8	118	0.21	< 20	2	< 2	< 10	57	< 10	7	17
B411059	0.126	0.074	0.15	< 2	5	96	0.20	< 20	3	< 2	< 10	40	< 10	6	16
B411060	0.057	0.028	0.72	2	10	48	0.24	< 20	< 1	< 2	< 10	110	< 10	9	17
B411061	0.192	0.108	0.15	< 2	4	43	0.20	< 20	3	< 2	< 10	21	< 10	6	9
B411062	0.136	0.080	0.32	< 2	2	28	0.18	< 20	3	< 2	< 10	24	< 10	6	18
B411063	0.137	0.097	0.18	< 2	3	59	0.20	< 20	2	< 2	< 10	24	< 10	6	14
B411064	0.197	0.060	0.66	< 2	18	51	0.32	< 20	3	< 2	< 10	157	< 10	13	22
B411065	0.192	0.052	2.11	2	19	28	0.37	< 20	4	< 2	< 10	157	< 10	16	18
B411066	0.142	0.023	1.78	3	16	36	0.26	< 20	4	< 2	< 10	130	< 10	8	12
B411067	0.269	0.056	0.41	< 2	15	110	0.25	< 20	1	< 2	< 10	113	< 10	11	8
B411068	0.246	0.083	0.49	< 2	16	85	0.28	< 20	< 1	< 2	< 10	123	< 10	12	11
B411069	0.146	0.018	0.84	< 2	11	48	0.20	< 20	2	< 2	< 10	99	25	6	7
B411070	0.012	0.001	< 0.01	< 2	< 1	2	< 0.01	< 20	< 1	< 2	< 10	1	< 10	< 1	3
B411071	0.125	0.071	1.69	2	9	62	0.21	< 20	3	< 2	< 10	93	< 10	6	15
B411072	0.092	0.306	0.11	3	7	94	0.25	< 20	1	< 2	< 10	73	< 10	9	5
B411073	0.117	0.156	0.25	< 2	7	100	0.20	< 20	4	< 2	< 10	59	35	6	14
B411074	0.089	0.215	0.04	< 2	5	92	0.19	< 20	3	< 2	< 10	52	23	6	4
B411075	0.080	0.311	0.15	2	5	98	0.24	< 20	3	< 2	< 10	63	< 10	8	4
B411076	0.079	0.324	0.07	< 2	5	93	0.24	< 20	1	< 2	< 10	63	< 10	8	4
B411077	0.118	0.144	0.59	< 2	10	111	0.27	< 20	2	< 2	< 10	97	< 10	8	20
B411078	0.104	0.226	0.30	2	10	70	0.28	< 20	7	< 2	< 10	94	< 10	9	7
B411079	0.091	0.182	0.10	3	7	56	0.24	< 20	4	< 2	< 10	64	< 10	7	7
B411080	0.270	0.091	0.01	< 2	5	99	0.26	< 20	4	< 2	< 10	49	< 10	11	8
B411081	0.212	0.091	0.24	< 2	12	84	0.23	< 20	4	< 2	< 10	91	44	8	14
B411082	0.045	0.040	0.72	3	13	67	0.26	< 20	2	< 2	< 10	205	< 10	14	12
B411083	0.120	0.044	0.43	5	11	41	0.28	< 20	< 1	< 2	< 10	170	< 10	14	11
B411084	0.206	0.040	0.46	4	9	33	0.24	< 20	1	< 2	< 10	163	< 10	11	10
B411085	0.215	0.037	0.30	2	9	31	0.24	< 20	1	< 2	< 10	180	< 10	11	9
B411086	0.156	0.040	0.77	< 2	8	19	0.25	< 20	1	< 2	< 10	187	< 10	11	12
B411087	0.055	0.037	2.80	6	11	24	0.24	< 20	3	< 2	< 10	201	< 10	11	16
B411088	0.117	0.039	1.36	4	8	23	0.19	< 20	2	< 2	< 10	166	< 10	11	14

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B411089	0.113	0.040	2.62	8	10	17	0.20	< 20	1	< 2	< 10	178	< 10	12	13
B411090	0.010	0.001	< 0.01	< 2	< 1	1	< 0.01	< 20	< 1	< 2	< 10	2	< 10	< 1	3
B411091	0.138	0.045	1.11	2	9	22	0.24	< 20	3	< 2	< 10	184	< 10	13	10
B411092	0.135	0.041	1.21	4	8	24	0.23	< 20	3	< 2	< 10	172	< 10	12	10
B411093	0.180	0.041	0.30	3	8	22	0.20	< 20	1	< 2	< 10	146	< 10	11	8
B411094	0.117	0.041	2.46	5	9	21	0.23	< 20	4	< 2	< 10	163	< 10	12	14
B411095	0.221	0.043	0.16	3	9	18	0.22	< 20	< 1	< 2	< 10	126	< 10	11	11
B411096	0.226	0.043	0.14	2	9	17	0.23	< 20	2	< 2	< 10	128	< 10	11	11
B411097	0.254	0.045	0.22	5	10	10	0.21	< 20	< 1	< 2	< 10	141	< 10	12	14
B411098	0.247	0.046	0.09	3	10	22	0.25	< 20	4	< 2	< 10	143	< 10	13	11
B411099	0.244	0.043	0.14	4	10	27	0.23	< 20	2	< 2	< 10	134	< 10	11	11
B411100	0.275	0.146	0.80	3	4	97	0.14	< 20	2	< 2	< 10	44	< 10	11	4
B411101	0.260	0.047	0.05	4	11	19	0.23	< 20	2	< 2	< 10	145	< 10	12	12
B411102	0.264	0.046	0.25	3	9	12	0.20	< 20	1	< 2	< 10	125	< 10	11	11
B411103	0.270	0.046	0.53	3	10	10	0.20	< 20	< 1	< 2	< 10	144	< 10	12	13
B411104	0.276	0.047	0.17	4	10	9	0.19	< 20	4	< 2	< 10	139	< 10	12	13
B411105	0.142	0.043	1.39	6	10	24	0.18	< 20	< 1	< 2	< 10	153	< 10	13	14
B411106	0.117	0.047	2.17	4	12	23	0.26	< 20	3	< 2	< 10	182	< 10	15	17
B411107	0.105	0.045	1.20	4	10	17	0.20	< 20	< 1	< 2	< 10	156	< 10	13	14
B411108	0.165	0.046	0.40	3	9	14	0.17	< 20	1	< 2	< 10	157	< 10	13	12
B411109	0.217	0.046	0.38	3	9	19	0.19	< 20	< 1	< 2	< 10	143	< 10	12	11
B411110	0.010	0.001	< 0.01	< 2	< 1	1	< 0.01	< 20	< 1	< 2	< 10	1	< 10	< 1	4
B411111	0.226	0.043	0.49	2	9	19	0.21	< 20	2	< 2	< 10	142	< 10	11	14
B411112	0.219	0.041	0.23	4	9	29	0.20	< 20	< 1	< 2	< 10	164	< 10	11	10
B411113	0.125	0.044	2.80	3	10	20	0.25	< 20	2	< 2	< 10	192	< 10	12	15
B411114	0.154	0.042	0.43	4	10	37	0.20	< 20	< 1	< 2	< 10	188	< 10	12	10
B411115	0.132	0.052	1.87	3	10	34	0.22	< 20	2	< 2	< 10	176	< 10	14	17
B411116	0.124	0.049	1.90	3	10	36	0.22	< 20	< 1	< 2	< 10	173	< 10	13	16
B411117	0.096	0.037	1.76	2	9	40	0.24	< 20	< 1	< 2	< 10	145	11	10	19
B411118	0.130	0.027	0.10	< 2	6	35	0.19	< 20	< 1	< 2	< 10	75	< 10	5	7
B411119	0.157	0.028	0.10	< 2	7	36	0.19	< 20	5	< 2	< 10	86	< 10	5	6
B411120	0.054	0.028	0.70	< 2	9	47	0.24	< 20	3	< 2	< 10	109	< 10	8	16
B411121	0.151	0.033	0.17	4	8	69	0.23	< 20	< 1	< 2	< 10	113	< 10	6	8
B411122	0.090	0.028	0.97	3	6	86	0.25	< 20	3	< 2	< 10	100	< 10	5	11
B411123	0.081	0.024	0.64	< 2	6	58	0.19	< 20	3	< 2	< 10	78	< 10	4	10
B411124	0.071	0.020	0.05	< 2	5	54	0.18	< 20	2	< 2	< 10	52	< 10	3	7
B411125	0.057	0.070	0.04	2	4	99	0.16	< 20	4	< 2	< 10	58	< 10	4	12
B411126	0.110	0.341	0.20	< 2	4	136	0.25	< 20	3	< 2	< 10	75	< 10	11	5
B411127	0.124	0.160	0.37	< 2	6	96	0.23	< 20	2	< 2	< 10	101	< 10	8	11
B411128	0.121	0.033	0.68	2	6	85	0.22	< 20	1	< 2	< 10	103	< 10	5	13
B411129	0.116	0.029	0.50	3	6	103	0.23	< 20	3	< 2	< 10	88	< 10	5	11
B411130	0.015	0.002	< 0.01	< 2	< 1	4	< 0.01	< 20	< 1	< 2	< 10	2	< 10	1	4
B411131	0.158	0.061	0.42	< 2	7	75	0.20	< 20	< 1	< 2	< 10	89	< 10	6	14
B411132	0.117	0.028	0.32	< 2	7	21	0.29	< 20	4	< 2	< 10	78	< 10	9	5
B411133	0.123	0.036	0.09	3	10	58	0.22	< 20	< 1	< 2	< 10	127	< 10	8	9
B411134	0.124	0.037	0.72	3	10	42	0.24	< 20	< 1	< 2	< 10	150	< 10	9	10
B411135	0.113	0.032	0.76	3	7	43	0.18	< 20	3	< 2	< 10	111	< 10	8	10
B411136	0.125	0.034	0.77	3	8	40	0.20	< 20	1	< 2	< 10	120	< 10	8	10
B411137	0.166	0.037	0.47	3	10	27	0.23	< 20	< 1	< 2	< 10	126	< 10	8	9
B411138	0.189	0.033	0.20	< 2	10	16	0.25	< 20	2	< 2	< 10	98	< 10	9	6
B411139	0.212	0.035	0.20	< 2	12	18	0.27	< 20	1	< 2	< 10	107	< 10	9	7

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B411140	0.267	0.092	0.01	3	5	99	0.24	< 20	3	< 2	< 10	48	< 10	11	6
B411141	0.041	0.014	0.43	7	25	14	0.09	< 20	< 1	< 2	< 10	225	15	14	9
B411142	0.019	0.039	0.93	8	25	8	0.16	< 20	< 1	< 2	< 10	252	< 10	15	10
B411143	0.021	0.010	0.43	4	24	4	0.12	< 20	< 1	< 2	< 10	183	< 10	7	13
B411144	0.011	0.008	0.55	6	31	1	0.14	< 20	< 1	< 2	< 10	260	11	3	14
B411145	0.207	0.031	0.28	2	10	15	0.20	< 20	< 1	< 2	< 10	106	< 10	7	6
B411146	0.211	0.043	0.91	3	11	16	0.20	< 20	3	< 2	< 10	112	< 10	9	9
B411147	0.194	0.034	0.14	< 2	10	12	0.22	< 20	< 1	< 2	< 10	98	< 10	8	9
B411148	0.194	0.039	0.16	< 2	9	11	0.21	< 20	3	< 2	< 10	98	< 10	8	7
B411149	0.182	0.034	0.14	< 2	9	13	0.22	< 20	3	< 2	< 10	101	< 10	8	7
B411150	0.013	0.001	< 0.01	< 2	< 1	1	< 0.01	< 20	< 1	< 2	< 10	1	< 10	< 1	3
B411151	0.159	0.038	0.57	< 2	7	15	0.18	< 20	< 1	< 2	< 10	101	< 10	8	8
B411152	0.171	0.040	0.26	< 2	7	10	0.20	< 20	1	< 2	< 10	116	< 10	7	9
B411153	0.165	0.037	0.25	< 2	7	18	0.23	< 20	4	< 2	< 10	124	< 10	7	10
B411154	0.173	0.040	0.33	< 2	8	15	0.22	< 20	3	< 2	< 10	131	< 10	8	10
B411155	0.170	0.042	0.96	3	8	37	0.20	< 20	3	< 2	< 10	118	< 10	7	12
B411156	0.178	0.036	0.93	3	8	41	0.21	< 20	2	< 2	< 10	108	< 10	7	11
B411157	0.189	0.037	0.35	2	7	14	0.18	< 20	4	< 2	< 10	116	< 10	8	16
B411158	0.111	0.018	0.11	< 2	7	56	0.17	< 20	3	< 2	< 10	61	< 10	5	9
B411159	0.110	0.021	0.59	< 2	16	39	0.24	< 20	6	< 2	< 10	131	< 10	5	10
B411160	0.306	0.157	0.87	3	4	105	0.14	< 20	< 1	< 2	< 10	48	< 10	12	4
B411161	0.087	0.018	0.49	2	18	34	0.21	< 20	5	< 2	< 10	155	< 10	6	16
B411162	0.116	0.042	0.42	3	16	27	0.20	< 20	3	< 2	< 10	108	< 10	6	14
B411163	0.102	0.022	0.02	< 2	7	27	0.16	< 20	1	< 2	< 10	46	< 10	4	10
B411164	0.065	0.009	< 0.01	< 2	4	48	0.12	< 20	3	< 2	< 10	30	< 10	5	6
B411165	0.085	0.127	0.07	3	6	36	0.22	< 20	2	< 2	< 10	59	< 10	8	8
B411166	0.066	0.083	0.11	< 2	4	24	0.20	< 20	2	< 2	< 10	63	< 10	4	16
B411167	0.042	0.007	1.89	10	7	17	0.25	< 20	< 1	< 2	< 10	130	< 10	3	15
B411168	0.012	0.014	0.25	8	2	96	0.06	< 20	< 1	2	< 10	84	< 10	2	3
B411169	0.014	0.013	0.02	8	2	30	0.10	< 20	< 1	< 2	< 10	82	< 10	< 1	4
B411170	0.014	0.001	< 0.01	< 2	< 1	2	< 0.01	< 20	< 1	< 2	< 10	1	< 10	< 1	3
B411171	0.012	0.012	0.04	9	2	37	0.08	< 20	< 1	< 2	< 10	86	< 10	< 1	4
B411172	0.011	0.013	0.03	9	2	34	0.07	< 20	< 1	< 2	< 10	84	< 10	1	3
B411173	0.009	0.009	0.14	9	2	23	0.06	< 20	1	< 2	< 10	94	< 10	1	4
B411174	0.008	0.012	0.12	12	5	128	0.03	< 20	< 1	< 2	< 10	81	< 10	2	2
B411175	0.008	0.010	0.04	9	7	148	0.03	< 20	< 1	< 2	< 10	70	< 10	2	2
B411176	0.007	0.011	0.04	11	7	140	0.03	< 20	< 1	< 2	< 10	72	< 10	2	2
B411177	0.008	0.012	0.06	10	5	108	0.03	< 20	< 1	< 2	< 10	89	< 10	2	2
B411178	0.009	0.012	0.05	9	8	111	0.04	< 20	1	< 2	< 10	83	< 10	2	2
B411179	0.010	0.012	0.04	10	8	106	0.04	< 20	< 1	< 2	< 10	82	< 10	2	2
B411180	0.056	0.029	0.72	2	9	48	0.24	< 20	2	< 2	< 10	111	< 10	9	15
B411181	0.011	0.013	0.13	8	8	107	0.05	< 20	2	< 2	< 10	88	< 10	2	3
B411182	0.018	0.013	0.07	8	3	56	0.09	< 20	2	< 2	< 10	97	< 10	1	5
B411183	0.028	0.015	0.07	6	3	59	0.12	< 20	< 1	< 2	< 10	99	< 10	1	7
B411184	0.034	0.014	0.62	6	3	93	0.09	< 20	< 1	< 2	< 10	78	< 10	2	7
B411185	0.054	0.014	0.80	4	4	112	0.10	< 20	< 1	< 2	< 10	69	< 10	2	8
B411186	0.048	0.012	0.63	5	5	84	0.14	< 20	< 1	< 2	< 10	95	< 10	3	10
B411187	0.054	0.015	0.75	4	4	41	0.12	< 20	1	< 2	< 10	62	< 10	2	7
B411188	0.095	0.019	2.41	6	8	30	0.15	< 20	3	< 2	< 10	84	< 10	4	10
B411189	0.102	0.021	0.83	3	14	70	0.18	< 20	3	< 2	< 10	91	< 10	6	9
B411190	0.013	0.002	< 0.01	< 2	< 1	2	< 0.01	< 20	< 1	< 2	< 10	1	< 10	< 1	3



Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B411191	0.109	0.015	0.87	4	15	56	0.18	< 20	< 1	< 2	< 10	116	< 10	5	10
B411192	0.117	0.025	0.85	3	12	72	0.17	< 20	3	< 2	< 10	95	< 10	4	10
B411193	0.033	0.016	0.55	3	6	161	0.09	< 20	< 1	< 2	< 10	92	< 10	2	7
B411194	0.057	0.016	0.24	3	5	69	0.10	< 20	< 1	< 2	< 10	81	< 10	2	6
B411195	0.110	0.018	0.16	< 2	9	43	0.14	< 20	< 1	< 2	< 10	65	< 10	4	6
B411196	0.105	0.017	0.14	< 2	9	44	0.13	< 20	1	< 2	< 10	60	< 10	4	6
B411197	0.108	0.019	0.11	< 2	9	40	0.15	< 20	1	< 2	< 10	69	< 10	4	7
B411198	0.106	0.020	0.04	< 2	9	41	0.15	< 20	< 1	< 2	< 10	65	< 10	4	6
B411199	0.122	0.019	0.17	< 2	11	68	0.18	< 20	< 1	< 2	< 10	86	< 10	4	7
B411200	0.288	0.098	0.02	2	6	104	0.25	< 20	2	< 2	< 10	51	< 10	12	7
B411201	0.107	0.028	0.07	2	8	87	0.17	< 20	1	< 2	< 10	72	< 10	4	6
B411202	0.116	0.020	0.20	2	10	87	0.19	< 20	2	< 2	< 10	84	< 10	4	7
B411203	0.084	0.018	0.12	< 2	7	79	0.19	< 20	2	< 2	< 10	61	< 10	4	6
B411204	0.074	0.021	0.35	< 2	6	108	0.14	< 20	2	< 2	< 10	56	< 10	3	9
B411205	0.146	0.036	0.16	< 2	8	49	0.14	< 20	1	< 2	< 10	71	< 10	5	16
B411206	0.133	0.040	0.11	< 2	9	17	0.13	< 20	2	< 2	< 10	77	< 10	5	19
B411207	0.095	0.210	0.49	2	8	235	0.09	< 20	1	3	< 10	72	< 10	8	3
B411208	0.068	0.278	0.23	3	10	436	0.11	< 20	< 1	< 2	< 10	88	< 10	10	3
B411209	0.072	0.316	0.55	< 2	7	304	0.10	< 20	< 1	< 2	< 10	65	16	10	3
B411210	0.012	0.001	< 0.01	< 2	< 1	2	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	3
B411211	0.076	0.032	1.75	< 2	6	95	0.19	< 20	2	< 2	< 10	83	< 10	7	15
B411212	0.169	0.066	0.21	< 2	6	54	0.16	< 20	2	< 2	< 10	57	< 10	5	18

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2		0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas	0.3	< 0.5	65	1010	1	23	92	123	6.85	214	< 10	822	0.9	< 2	0.15	13	77	5.42	20	< 1	1.03	< 10	0.38
GXR-6 Cert	1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9	0.609
GXR-6 Meas	0.3	< 0.5	67	1030	< 1	23	94	124	6.94	198	< 10	821	0.9	< 2	0.15	13	78	5.55	20	2	1.05	< 10	0.39
GXR-6 Cert	1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9	0.609
GXR-6 Meas	0.3	0.5	71	1030	< 1	24	93	120	7.22	239	< 10	731	0.9	< 2	0.13	13	76	5.64	20	1	1.14	< 10	0.40
GXR-6 Cert	1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9	0.609
GXR-6 Meas	0.3	< 0.5	70	1050	1	24	96	122	7.03	231	< 10	767	0.9	< 2	0.13	13	78	5.60	20	2	1.13	< 10	0.40
GXR-6 Cert	1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9	0.609
GXR-6 Meas	0.3	< 0.5	69	1040	< 1	23	93	122	7.03	239	< 10	769	0.9	< 2	0.13	13	77	5.53	20	1	1.12	< 10	0.40
GXR-6 Cert	1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9	0.609
OREAS 922 (AQUA REGIA) Meas	0.8	< 0.5	2210	769	< 1	34	56	259	2.95	4		86	0.8	10	0.42	19	46	5.31	< 10		0.49	36	1.35
OREAS 922 (AQUA REGIA) Cert	0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5	1.33
OREAS 922 (AQUA REGIA) Meas	0.7	< 0.5	2100	733	< 1	34	60	254	2.79	5		77	0.7	9	0.40	19	45	5.07	< 10		0.45	34	1.30
OREAS 922 (AQUA REGIA) Cert	0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5	1.33
OREAS 922 (AQUA REGIA) Meas	0.7	< 0.5	2250	732	< 1	34	53	243	2.87	5		73	0.7	7	0.39	19	42	5.15	< 10		0.47	33	1.37
OREAS 922 (AQUA REGIA) Cert	0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5	1.33
OREAS 922 (AQUA REGIA) Meas	0.9	< 0.5	2270	756	< 1	37	58	254	2.94	5		80	0.8	8	0.40	19	45	5.23	< 10		0.49	35	1.38
OREAS 922 (AQUA REGIA) Cert	0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5	1.33
OREAS 922 (AQUA REGIA) Meas	1.4	< 0.5	2210	756	< 1	32	58	255	2.89	4		82	0.8	7	0.40	19	45	5.05	< 10		0.50	34	1.34
OREAS 922 (AQUA REGIA) Cert	0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5	1.33
OREAS 923 (AQUA REGIA) Meas	1.6	< 0.5	4450	886	< 1	33	81	340	2.99	8		74	0.7	19	0.42	21	43	6.19	< 10		0.43	34	1.47
OREAS 923 (AQUA REGIA) Cert	1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0	1.43
OREAS 923 (AQUA REGIA) Meas	10.4	< 0.5	4210	842	< 1	31	78	334	2.85	4		66	0.7	29	0.41	22	42	5.87	< 10		0.40	32	1.40
OREAS 923 (AQUA REGIA) Cert	1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0	1.43
OREAS 923 (AQUA REGIA) Meas	2.4	< 0.5	4520	870	< 1	32	77	337	2.98	8		70	0.7	23	0.41	22	42	6.03	< 10		0.44	33	1.48
OREAS 923 (AQUA REGIA) Cert	1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0	1.43
OREAS 923	1.5	< 0.5	4270	844	< 1	32	76	322	2.86	7		68	0.7	24	0.40	21	41	5.76	< 10		0.43	32	1.41

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
(AQUA REGIA) Meas																							
OREAS 923 (AQUA REGIA) Cert	1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0	1.43
Oreas 96 (Aqua Regia) Meas	10.7		> 10000				88	422						79		48							
Oreas 96 (Aqua Regia) Cert	11.50		39100.00				100	448						27.9		49.2							
Oreas 96 (Aqua Regia) Meas	10.3		> 10000				86	410						82		47							
Oreas 96 (Aqua Regia) Cert	11.50		39100.00				100	448						27.9		49.2							
Oreas 621 (Aqua Regia) Meas	68.1	293	3630	546	13	27	> 5000	> 10000	1.85	80			0.6	7	1.64	32	35	3.53	10	4	0.38	19	0.44
Oreas 621 (Aqua Regia) Cert	68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4	0.436
Oreas 621 (Aqua Regia) Meas	65.3	283	3500	527	13	25	> 5000	> 10000	1.79	74			0.6	8	1.60	31	32	3.37	10	4	0.38	19	0.43
Oreas 621 (Aqua Regia) Cert	68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4	0.436
Oreas 621 (Aqua Regia) Meas	66.1	276	3590	515	13	27	> 5000	> 10000	1.76	78			0.6	7	1.57	29	35	3.30	< 10	4	0.38	18	0.43
Oreas 621 (Aqua Regia) Cert	68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4	0.436
Oreas 621 (Aqua Regia) Meas	67.3	283	3650	522	13	25	> 5000	> 10000	1.78	81			0.6	6	1.60	30	32	3.34	10	4	0.38	18	0.44
Oreas 621 (Aqua Regia) Cert	68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4	0.436
Oreas 621 (Aqua Regia) Meas	65.1	278	3490	512	13	23	> 5000	> 10000	1.71	77			0.6	8	1.53	31	27	3.23	10	3	0.37	18	0.42
Oreas 621 (Aqua Regia) Cert	68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4	0.436
OREAS 45f (Aqua Regia) Meas			337	167	< 1	233	10	27	7.26			139	1.0	< 2	0.07	39	345	13.7	20	< 1	0.10	10	0.17
OREAS 45f (Aqua Regia) Cert			336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750	39.2	341	13.7	20.3	0.0310	0.0820	10.7	0.152
OREAS 45f (Aqua Regia) Meas			350	168	< 1	234	7	26	7.47			135	1.1	< 2	0.07	40	339	14.0	20	< 1	0.11	10	0.18
OREAS 45f (Aqua Regia) Cert			336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750	39.2	341	13.7	20.3	0.0310	0.0820	10.7	0.152
OREAS 45f (Aqua Regia) Meas			350	168	< 1	228	9	26	7.45			139	1.0	3	0.07	39	342	13.9	20	< 1	0.11	10	0.18
OREAS 45f (Aqua Regia) Cert			336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750	39.2	341	13.7	20.3	0.0310	0.0820	10.7	0.152
OREAS 45f (Aqua Regia) Meas			344	174	< 1	226	12	26	7.46			138	1.0	2	0.07	37	336	13.7	20	< 1	0.11	11	0.18
OREAS 45f (Aqua Regia) Cert			336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750	39.2	341	13.7	20.3	0.0310	0.0820	10.7	0.152
B411050 Orig	< 0.2	< 0.5	2	115	< 1	2	< 2	5	0.07	< 2	< 10	21	< 0.5	< 2	0.02	< 1	10	1.02	< 10	< 1	0.01	< 10	0.01
B411050 Dup	< 0.2	< 0.5	2	114	< 1	2	< 2	4	0.08	< 2	< 10	21	< 0.5	< 2	0.02	< 1	10	1.02	< 10	< 1	0.01	< 10	0.01
B411064 Orig	1.1	< 0.5	146	722	8	44	2	49	1.79	4	< 10	11	< 0.5	< 2	2.24	33	67	5.50	< 10	2	0.12	11	1.90
B411064 Dup	1.2	< 0.5	149	752	7	45	3	52	1.87	3	< 10	11	< 0.5	< 2	2.34	35	69	5.71	< 10	2	0.13	12	1.99
B411077 Orig	0.2	< 0.5	115	540	38	117	< 2	44	2.37	11	18	161	< 0.5	< 2	1.82	37	334	4.22	< 10	< 1	0.95	35	2.79
B411077 Dup	0.2	< 0.5	113	510	37	112	< 2	42	2.26	11	17	162	< 0.5	< 2	1.69	36	325	3.99	< 10	< 1	0.92	34	2.67
B411087 Orig	0.7	< 0.5	537	973	< 1	30	9	80	2.72	2790	< 10	40	< 0.5	< 2	2.76	37	2	9.58	10	< 1	0.47	< 10	1.79
B411087 Split PREP DUP	0.6	< 0.5	497	967	< 1	30	9	78	2.64	2730	< 10	40	< 0.5	2	2.79	38	2	9.26	10	< 1	0.47	< 10	1.74

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B411090 Orig	< 0.2	< 0.5	2	59	< 1	1	< 2	7	0.06	< 2	< 10	< 10	< 0.5	< 2	0.01	< 1	7	0.54	< 10	< 1	< 0.01	< 10	< 0.01
B411113 Orig	2.7	< 0.5	4210	861	< 1	17	< 2	108	2.48	16	< 10	15	< 0.5	3	1.63	43	1	11.0	< 10	2	0.55	< 10	1.37
B411113 Dup	2.6	< 0.5	4110	866	< 1	16	< 2	109	2.46	15	< 10	17	< 0.5	3	1.62	41	1	10.9	< 10	2	0.55	< 10	1.36
B411127 Orig	0.2	< 0.5	121	667	< 1	127	4	63	2.00	7	< 10	227	< 0.5	< 2	3.23	35	264	4.89	< 10	< 1	0.77	33	2.02
B411127 Dup	0.2	< 0.5	121	677	< 1	128	2	63	2.01	8	< 10	223	< 0.5	< 2	3.24	37	262	4.92	< 10	< 1	0.76	32	2.03
B411137 Orig	0.3	< 0.5	313	813	1	87	< 2	62	2.38	19	< 10	151	< 0.5	< 2	2.94	44	141	6.64	< 10	2	0.81	< 10	1.95
B411137 Split PREP DUP	0.3	< 0.5	300	839	< 1	83	< 2	62	2.35	22	< 10	147	< 0.5	< 2	3.14	43	138	6.56	< 10	1	0.76	< 10	1.96
B411139 Orig	< 0.2	< 0.5	268	805	< 1	66	< 2	59	1.80	26	< 10	64	< 0.5	< 2	2.85	39	97	5.72	< 10	< 1	0.29	< 10	1.76
B411139 Dup	0.2	< 0.5	263	762	< 1	64	< 2	56	1.71	27	< 10	63	< 0.5	< 2	2.72	39	93	5.39	< 10	1	0.28	< 10	1.66
B411153 Orig	0.4	< 0.5	193	686	3	50	< 2	52	1.92	10	< 10	78	< 0.5	< 2	2.39	34	55	6.22	< 10	2	0.72	< 10	1.74
B411153 Dup	0.4	< 0.5	196	690	3	50	< 2	52	1.96	10	< 10	78	< 0.5	< 2	2.41	35	55	6.30	< 10	2	0.73	< 10	1.76
B411169 Orig	0.2	< 0.5	19	499	34	378	< 2	43	1.63	12	< 10	< 10	< 0.5	< 2	0.96	46	1700	5.50	< 10	2	< 0.01	< 10	3.23
B411169 Dup	< 0.2	< 0.5	19	519	34	387	< 2	44	1.66	10	< 10	< 10	< 0.5	< 2	0.99	45	1730	5.62	< 10	1	< 0.01	< 10	3.30
B411183 Orig	< 0.2	< 0.5	81	569	7	373	< 2	40	1.63	4	< 10	77	< 0.5	< 2	1.45	54	1180	6.99	< 10	< 1	0.48	< 10	3.05
B411183 Dup	< 0.2	< 0.5	83	575	7	380	< 2	40	1.63	4	< 10	75	< 0.5	< 2	1.48	55	1180	6.95	< 10	2	0.48	< 10	3.08
B411187 Orig	0.5	< 0.5	112	537	35	441	< 2	27	1.36	10	< 10	84	< 0.5	< 2	2.16	61	826	4.48	< 10	< 1	0.37	< 10	2.36
B411187 Split PREP DUP	0.4	< 0.5	109	507	22	440	< 2	26	1.29	15	< 10	80	< 0.5	< 2	2.04	59	793	4.30	< 10	< 1	0.34	< 10	2.22
B411195 Orig	0.3	< 0.5	61	692	2	104	< 2	28	1.09	24	< 10	32	< 0.5	< 2	3.55	34	249	3.22	< 10	< 1	0.12	< 10	1.71
B411195 Dup	0.3	< 0.5	61	666	2	101	< 2	27	1.08	27	< 10	31	< 0.5	< 2	3.47	35	241	3.10	< 10	< 1	0.12	< 10	1.65
B411209 Orig	3.2	4.1	358	790	20	295	4	269	2.37	192	< 10	161	< 0.5	< 2	6.22	51	389	4.04	< 10	< 1	0.44	54	3.62
B411209 Dup	2.9	4.0	355	789	21	293	3	264	2.35	193	< 10	192	< 0.5	< 2	6.23	49	384	4.03	< 10	< 1	0.44	54	3.58
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas	0.138	0.033	0.01	3	20	33		< 20	< 1	< 2	< 10	163	< 10	5	7
GXR-6 Cert	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
GXR-6 Meas	0.138	0.033	0.01	2	20	34		< 20	< 1	< 2	< 10	161	< 10	5	4
GXR-6 Cert	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
GXR-6 Meas	0.116	0.035	0.01	3	22	34		< 20	3	< 2	< 10	165	< 10	5	7
GXR-6 Cert	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
GXR-6 Meas	0.125	0.035	0.01	2	22	34		< 20	< 1	< 2	< 10	166	< 10	5	6
GXR-6 Cert	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
GXR-6 Meas	0.126	0.034	0.01	4	21	33		< 20	< 1	< 2	< 10	168	< 10	5	8
GXR-6 Cert	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
OREAS 922 (AQUA REGIA) Meas	0.029	0.064	0.37	3	4	17		< 20		< 2	< 10	37	< 10	20	16
OREAS 922 (AQUA REGIA) Cert	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas	0.030	0.059	0.35	2	4	16		< 20		< 2	< 10	34	< 10	19	8
OREAS 922 (AQUA REGIA) Cert	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas	0.026	0.063	0.36	< 2	4	18		< 20		< 2	< 10	33	< 10	19	17
OREAS 922 (AQUA REGIA) Cert	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas	0.029	0.064	0.37	3	4	18		< 20		< 2	< 10	35	< 10	20	13
OREAS 922 (AQUA REGIA) Cert	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas	0.028	0.062	0.36	3	4	18		< 20		< 2	< 10	36	< 10	20	22
OREAS 922 (AQUA REGIA) Cert	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 923 (AQUA REGIA) Meas		0.061	0.68	2	4	15		< 20		< 2	< 10	37	< 10	19	24
OREAS 923 (AQUA REGIA) Cert		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 923 (AQUA REGIA) Meas		0.058	0.64	< 2	4	15		< 20		< 2	< 10	35	< 10	17	19
OREAS 923 (AQUA REGIA) Cert		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 923 (AQUA REGIA) Meas		0.062	0.68	2	4	16		< 20		< 2	< 10	36	< 10	19	25
OREAS 923 (AQUA REGIA) Cert		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 923		0.058	0.65	< 2	4	15		< 20		< 2	< 10	35	< 10	18	27

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
(AQUA REGIA) Meas															
OREAS 923 (AQUA REGIA) Cert		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
Oreas 96 (Aqua Regia) Meas			3.97	6											
Oreas 96 (Aqua Regia) Cert			4.38	4.53											
Oreas 96 (Aqua Regia) Meas			3.76	6											
Oreas 96 (Aqua Regia) Cert			4.38	4.53											
Oreas 621 (Aqua Regia) Meas	0.164	0.035	4.58	120	2	20		< 20		< 2	< 10	13	< 10	7	71
Oreas 621 (Aqua Regia) Cert	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
Oreas 621 (Aqua Regia) Meas	0.159	0.034	4.40	106	2	21		< 20		< 2	< 10	13	< 10	7	67
Oreas 621 (Aqua Regia) Cert	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
Oreas 621 (Aqua Regia) Meas	0.136	0.033	4.27	104	2	21		< 20		< 2	< 10	12	< 10	7	61
Oreas 621 (Aqua Regia) Cert	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
Oreas 621 (Aqua Regia) Meas	0.142	0.034	4.46	103	2	20		< 20		< 2	< 10	12	< 10	7	63
Oreas 621 (Aqua Regia) Cert	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
Oreas 621 (Aqua Regia) Meas	0.140	0.032	4.40	103	2	20		< 20		< 2	< 10	12	< 10	7	61
Oreas 621 (Aqua Regia) Cert	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
OREAS 45f (Aqua Regia) Meas	0.047	0.020	0.02		27	16	0.10	< 20		< 2	< 10	190		5	8
OREAS 45f (Aqua Regia) Cert	0.0320	0.0220	0.0270		31.4	13.2	0.0970	7.67		0.120	1.09	217		6.74	30.0
OREAS 45f (Aqua Regia) Meas	0.043	0.021	0.02		30	17	0.11	< 20		< 2	< 10	200		5	13
OREAS 45f (Aqua Regia) Cert	0.0320	0.0220	0.0270		31.4	13.2	0.0970	7.67		0.120	1.09	217		6.74	30.0
OREAS 45f (Aqua Regia) Meas	0.045	0.021	0.02		29	16	0.10	< 20		2	< 10	199		5	10
OREAS 45f (Aqua Regia) Cert	0.0320	0.0220	0.0270		31.4	13.2	0.0970	7.67		0.120	1.09	217		6.74	30.0
OREAS 45f (Aqua Regia) Meas	0.043	0.021	0.02		29	16	0.14	< 20		< 2	< 10	203		5	18
OREAS 45f (Aqua Regia) Cert	0.0320	0.0220	0.0270		31.4	13.2	0.0970	7.67		0.120	1.09	217		6.74	30.0
B411050 Orig	0.014	0.002	< 0.01	< 2	< 1	3	< 0.01	< 20	< 1	< 2	< 10	2	< 10	< 1	4
B411050 Dup	0.014	0.002	< 0.01	< 2	< 1	3	< 0.01	< 20	< 1	< 2	< 10	2	< 10	< 1	4
B411064 Orig	0.192	0.060	0.65	< 2	18	50	0.31	< 20	5	< 2	< 10	154	< 10	13	21
B411064 Dup	0.201	0.061	0.67	3	19	52	0.32	< 20	1	< 2	< 10	160	< 10	14	22
B411077 Orig	0.123	0.146	0.59	< 2	10	115	0.28	< 20	3	< 2	< 10	100	< 10	8	20
B411077 Dup	0.114	0.142	0.58	< 2	9	107	0.27	< 20	2	< 2	< 10	95	< 10	7	20
B411087 Orig	0.055	0.037	2.80	6	11	24	0.24	< 20	3	< 2	< 10	201	< 10	11	16
B411087 Split PREP DUP	0.052	0.036	2.63	5	10	24	0.23	< 20	< 1	< 2	< 10	195	< 10	11	16

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B411090 Orig	0.010	0.001	< 0.01	< 2	< 1	1	< 0.01	< 20	< 1	< 2	< 10	2	< 10	< 1	3
B411113 Orig	0.124	0.044	2.80	3	10	20	0.25	< 20	2	< 2	< 10	194	< 10	12	15
B411113 Dup	0.126	0.043	2.80	3	10	21	0.26	< 20	2	< 2	< 10	191	< 10	12	16
B411127 Orig	0.123	0.160	0.37	< 2	6	97	0.23	< 20	2	< 2	< 10	101	< 10	8	11
B411127 Dup	0.124	0.159	0.37	2	6	96	0.24	< 20	1	< 2	< 10	101	< 10	8	11
B411137 Orig	0.166	0.037	0.47	3	10	27	0.23	< 20	< 1	< 2	< 10	126	< 10	8	9
B411137 Split PREP DUP	0.174	0.037	0.45	2	11	27	0.24	< 20	1	< 2	< 10	121	< 10	8	9
B411139 Orig	0.219	0.036	0.20	3	12	19	0.28	< 20	1	< 2	< 10	110	< 10	9	7
B411139 Dup	0.206	0.035	0.20	< 2	11	18	0.27	< 20	1	< 2	< 10	104	< 10	9	7
B411153 Orig	0.165	0.037	0.24	3	7	18	0.23	< 20	5	< 2	< 10	124	< 10	7	10
B411153 Dup	0.165	0.037	0.25	< 2	7	18	0.23	< 20	3	< 2	< 10	125	< 10	7	10
B411169 Orig	0.014	0.013	0.02	8	2	30	0.09	< 20	< 1	< 2	< 10	81	< 10	< 1	4
B411169 Dup	0.015	0.013	0.02	8	2	30	0.10	< 20	< 1	< 2	< 10	83	< 10	< 1	5
B411183 Orig	0.029	0.015	0.07	6	3	59	0.12	< 20	3	< 2	< 10	99	< 10	1	7
B411183 Dup	0.028	0.015	0.07	6	3	60	0.12	< 20	< 1	< 2	< 10	98	< 10	1	7
B411187 Orig	0.054	0.015	0.75	4	4	41	0.12	< 20	1	< 2	< 10	62	< 10	2	7
B411187 Split PREP DUP	0.051	0.015	0.72	4	4	36	0.12	< 20	4	< 2	< 10	60	< 10	2	7
B411195 Orig	0.113	0.018	0.16	< 2	10	43	0.15	< 20	< 1	< 2	< 10	67	< 10	4	6
B411195 Dup	0.108	0.018	0.16	< 2	9	43	0.14	< 20	1	< 2	< 10	64	< 10	4	6
B411209 Orig	0.069	0.318	0.55	< 2	7	306	0.09	< 20	< 1	< 2	< 10	66	15	10	3
B411209 Dup	0.074	0.314	0.54	2	7	302	0.10	< 20	< 1	< 2	< 10	65	17	10	3
Method Blank	0.006	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.008	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.006	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.006	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.009	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.007	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.007	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.006	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.006	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1



Report No.: A21-10913-1E3  
 Report Date: 25-Aug-21  
 Date Submitted: 14-Jun-21  
 Your Reference: LINGMAN LAKE WINTER 2021

**SIGNATURE RESOURCES LTD**  
 366 Bay Street, suite 200  
 Toronto ON M5H 4B2  
 Canada

ATTN: Robert Vallis

### CERTIFICATE OF ANALYSIS

154 Core samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1E3-Tbay	QOP AquaGeo (Aqua Regia ICPOES)	2021-08-12 09:40:40

REPORT **A21-10913-1E3**

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Notes:

Values which exceed the upper limit should be assayed for accurate numbers.



LabID: 673

**ACTIVATION LABORATORIES LTD.**  
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CERTIFIED BY:

Emmanuel Esemé, Ph.D.  
 Quality Control Coordinator



## Results

## Activation Laboratories Ltd.

## Report: A21-10913

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2		0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B411444	0.7	< 0.5	167	685	1	81	5	53	3.23	< 2	< 10	149	< 0.5	< 2	2.50	38	107	4.99	< 10	< 1	1.00	< 10	2.02
B411445	0.7	< 0.5	195	674	9	76	< 2	40	1.92	< 2	< 10	94	< 0.5	< 2	2.68	39	86	5.37	< 10	1	0.43	< 10	1.86
B411446	0.3	< 0.5	208	628	< 1	83	< 2	49	1.56	3	< 10	130	< 0.5	< 2	2.97	31	163	5.57	< 10	1	0.49	25	1.64
B411447	0.2	3.3	83	622	< 1	187	5	167	2.41	16	< 10	413	< 0.5	< 2	3.41	32	421	4.16	< 10	< 1	1.36	44	2.92
B411448	1.3	0.6	653	476	4	225	10	151	1.39	82	< 10	15	< 0.5	< 2	1.45	87	82	6.12	< 10	2	0.06	< 10	1.22
B411449	0.8	0.6	476	841	16	78	< 2	104	1.81	93	< 10	< 10	< 0.5	< 2	2.85	72	46	7.77	< 10	< 1	0.04	< 10	1.52
B411450	0.3	< 0.5	13	88	< 1	8	43	59	1.39	13	29	140	< 0.5	< 2	> 10.0	2	21	1.30	< 10	< 1	0.15	< 10	1.65
B411451	0.5	< 0.5	208	906	28	63	< 2	71	3.15	43	< 10	< 10	< 0.5	< 2	1.52	45	62	9.71	10	2	0.06	< 10	2.38
B411452	0.5	1.4	163	801	18	114	< 2	55	3.06	734	< 10	24	< 0.5	< 2	1.94	56	181	7.87	< 10	< 1	0.18	< 10	2.22
B411453	0.4	< 0.5	136	941	7	83	< 2	55	3.02	26	< 10	89	< 0.5	< 2	3.01	41	105	6.92	< 10	< 1	0.79	< 10	2.38
B411454	0.3	< 0.5	103	1060	10	56	< 2	75	4.09	10	< 10	39	< 0.5	2	0.21	44	18	10.3	10	< 1	0.31	< 10	2.84
B411455	0.3	< 0.5	68	1160	13	52	< 2	83	4.35	3	< 10	47	< 0.5	< 2	1.52	32	22	10.3	10	< 1	0.34	< 10	3.55
B411456	0.4	< 0.5	76	1180	11	55	< 2	84	4.33	2	< 10	45	< 0.5	3	1.64	35	22	10.6	10	1	0.33	12	3.61
B411457	0.3	< 0.5	136	959	13	44	< 2	100	4.76	< 2	< 10	27	< 0.5	3	0.08	44	8	11.3	20	1	0.12	11	3.22
B411458	0.6	< 0.5	176	754	14	11	< 2	66	1.68	8	< 10	49	< 0.5	< 2	1.83	39	3	8.49	< 10	2	0.21	< 10	1.15
B411459	0.8	< 0.5	149	846	4	45	3	63	1.88	5	< 10	10	< 0.5	3	2.38	61	3	9.06	< 10	1	0.06	10	1.34
B411460	1.4	< 0.5	124	602	4	146	26	62	2.86	53	16	42	< 0.5	< 2	2.82	27	397	4.31	< 10	< 1	0.20	< 10	3.03
B411461	0.3	< 0.5	187	604	5	49	< 2	58	1.87	11	< 10	142	< 0.5	< 2	1.63	49	94	6.90	< 10	1	0.48	11	1.71
B411462	< 0.2	< 0.5	12	470	24	123	< 2	43	1.55	3	< 10	227	< 0.5	< 2	2.06	20	346	2.79	< 10	< 1	0.55	16	2.13
B411463	< 0.2	< 0.5	< 1	498	< 1	334	< 2	61	2.55	7	< 10	350	< 0.5	< 2	2.88	29	900	2.97	< 10	< 1	0.99	33	3.57
B411464	0.4	< 0.5	268	658	4	73	< 2	37	1.07	3	< 10	91	< 0.5	< 2	3.03	28	135	3.40	< 10	< 1	0.27	< 10	1.37
B411465	0.5	< 0.5	293	692	6	72	< 2	69	2.83	5	< 10	99	< 0.5	< 2	2.01	46	27	7.48	10	1	0.51	< 10	2.58
B411466	1.3	< 0.5	374	755	3	30	< 2	62	1.78	3	< 10	14	< 0.5	< 2	2.25	35	2	6.88	< 10	2	0.08	< 10	1.38
B411467	0.5	< 0.5	379	846	9	45	< 2	138	2.01	21	< 10	37	< 0.5	< 2	3.24	35	39	5.84	< 10	< 1	0.17	< 10	1.52
B411468	< 0.2	< 0.5	37	584	10	108	< 2	32	1.18	4	< 10	16	< 0.5	< 2	2.97	30	176	3.27	< 10	< 1	0.09	< 10	1.84
B411469	0.9	< 0.5	101	1030	18	87	< 2	59	2.09	< 2	< 10	48	< 0.5	2	5.97	35	131	5.75	< 10	< 1	0.82	< 10	3.47
B411470	0.3	< 0.5	10	77	< 1	8	40	56	1.25	5	28	78	< 0.5	< 2	> 10.0	1	19	1.13	< 10	< 1	0.06	< 10	1.53
B411471	1.0	< 0.5	221	760	11	189	8	52	1.68	66	< 10	152	< 0.5	< 2	6.25	34	251	4.04	< 10	< 1	0.68	11	3.39
B411472	0.8	< 0.5	161	620	10	130	4	42	1.06	68	< 10	90	< 0.5	< 2	5.80	37	207	3.01	< 10	< 1	0.22	< 10	2.98
B411473	1.2	< 0.5	322	651	27	274	12	77	2.23	16	< 10	67	< 0.5	< 2	4.99	42	441	4.70	< 10	< 1	0.38	39	3.40
B411474	1.3	< 0.5	418	415	25	237	7	84	1.31	209	< 10	21	< 0.5	< 2	2.77	52	426	3.57	< 10	< 1	0.35	50	1.97
B411475	0.5	< 0.5	138	399	6	116	< 2	71	1.12	52	< 10	73	< 0.5	< 2	2.51	25	184	2.49	< 10	< 1	0.18	31	1.45
B411476	0.6	0.6	176	431	7	144	5	77	1.23	79	< 10	74	< 0.5	< 2	2.82	28	242	2.69	< 10	< 1	0.19	35	1.62
B411477	< 0.2	< 0.5	23	293	< 1	31	2	53	1.19	15	< 10	154	< 0.5	< 2	0.94	13	49	2.21	< 10	< 1	0.62	21	1.00
B411478	< 0.2	< 0.5	30	368	< 1	36	4	74	1.69	22	< 10	229	< 0.5	< 2	0.93	12	54	2.80	< 10	< 1	0.98	21	1.23
B411479	3.6	1.6	972	633	34	207	5	185	3.45	880	< 10	62	< 0.5	< 2	3.92	60	290	4.43	< 10	< 1	0.27	40	2.49
B411480	0.2	< 0.5	50	575	< 1	118	10	88	2.11	13	< 10	71	0.6	< 2	1.15	35	59	5.26	< 10	< 1	0.14	16	1.72
B411481	2.7	1.4	788	582	35	123	5	147	2.45	302	< 10	89	< 0.5	< 2	3.27	49	107	5.26	< 10	< 1	0.34	< 10	1.87
B411482	1.4	< 0.5	447	879	7	102	< 2	177	3.43	4	< 10	55	< 0.5	< 2	2.70	50	140	8.35	10	< 1	0.44	< 10	2.93
B411483	2.3	< 0.5	449	1180	16	100	< 2	154	3.34	3	< 10	91	< 0.5	< 2	4.50	50	145	9.06	10	< 1	0.95	< 10	3.62
B411484	1.7	< 0.5	198	843	2	109	< 2	67	2.12	40	< 10	72	< 0.5	< 2	4.55	64	171	5.76	< 10	< 1	0.66	11	2.63
B411485	1.1	< 0.5	137	576	9	107	< 2	61	1.99	70	< 10	66	< 0.5	< 2	2.13	36	173	5.69	< 10	< 1	0.36	10	2.04
B411486	0.6	< 0.5	128	696	16	24	< 2	46	2.21	7	< 10	43	< 0.5	< 2	3.01	32	15	5.69	< 10	2	0.18	< 10	1.64
B411487	1.0	< 0.5	248	737	12	28	< 2	48	2.37	8	< 10	15	< 0.5	< 2	3.09	43	15	6.47	< 10	< 1	0.11	< 10	1.77
B411488	0.5	< 0.5	141	754	13	28	< 2	46	2.25	2	< 10	12	< 0.5	< 2	2.87	35	14	5.92	< 10	< 1	0.11	< 10	1.77
B411489	0.2	< 0.5	42	761	45	23	< 2	47	2.29	7	< 10	12	< 0.5	< 2	2.84	30	14	5.52	< 10	2	0.12	< 10	1.81
B411490	0.3	< 0.5	11	79	< 1	8	40	57	1.32	6	29	85	< 0.5	< 2	> 10.0	2	19	1.19	< 10	< 1	0.06	< 10	1.57
B411491	0.9	< 0.5	132	928	16	25	< 2	57	2.78	6	< 10	< 10	< 0.5	< 2	4.04	31	14	7.00	10	2	0.08	11	2.47
B411492	0.6	< 0.5	100	753	1000	29	< 2	46	2.51	7	< 10	12	< 0.5	< 2	2.83	34	13	6.31	< 10	2	0.14	< 10	2.16
B411493	0.2	< 0.5	151	649	1390	28	< 2	45	2.00	5	< 10	22	< 0.5	< 2	2.63	32	13	5.80	< 10	2	0.18	< 10	1.72
B411494	0.2	< 0.5	166	692	56	22	< 2	50	1.79	6	< 10	13	< 0.5	< 2	2.18	34	13	6.27	< 10	1	0.13	< 10	1.53

## Results

## Activation Laboratories Ltd.

## Report: A21-10913

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2		0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B411495	0.2	< 0.5	164	718	126	23	< 2	43	2.00	7	< 10	10	< 0.5	< 2	2.36	34	12	6.55	< 10	1	0.12	< 10	1.68
B411496	< 0.2	< 0.5	148	678	66	22	< 2	42	1.99	9	< 10	< 10	< 0.5	< 2	2.32	32	12	6.09	< 10	< 1	0.11	< 10	1.53
B411497	< 0.2	< 0.5	82	694	332	24	< 2	44	2.20	3	< 10	15	< 0.5	< 2	2.38	28	14	5.55	< 10	1	0.15	< 10	1.70
B411498	0.2	< 0.5	73	686	341	24	< 2	42	2.29	14	17	29	< 0.5	< 2	2.28	32	13	6.02	< 10	< 1	0.30	< 10	2.20
B411499	< 0.2	< 0.5	95	679	65	23	< 2	40	2.15	3	12	10	< 0.5	< 2	2.07	30	13	6.51	< 10	< 1	0.16	< 10	1.93
B411500	0.5	< 0.5	156	702	1	80	< 2	59	3.81	10	19	21	< 0.5	< 2	3.22	31	110	5.44	< 10	2	0.08	< 10	2.17
B411501	< 0.2	< 0.5	230	670	144	26	< 2	44	2.19	5	< 10	18	< 0.5	< 2	1.93	33	14	6.82	< 10	2	0.21	< 10	1.86
B411502	< 0.2	< 0.5	143	751	56	22	< 2	42	2.36	9	< 10	< 10	< 0.5	< 2	2.55	32	12	6.59	< 10	2	0.12	< 10	1.83
B411503	< 0.2	< 0.5	101	694	12	22	< 2	40	1.99	9	12	< 10	< 0.5	< 2	2.13	32	11	6.52	< 10	< 1	0.11	< 10	1.83
B411504	1.3	< 0.5	199	648	1050	27	< 2	37	2.23	11	20	19	< 0.5	< 2	2.03	32	11	7.01	< 10	2	0.16	< 10	2.05
B411505	1.1	< 0.5	222	607	100	16	2	42	2.59	298	25	26	< 0.5	< 2	1.49	34	6	7.93	10	2	0.28	< 10	2.40
B411506	0.4	< 0.5	48	560	20	181	4	61	2.71	226	< 10	44	< 0.5	< 2	2.71	40	586	4.45	< 10	1	1.55	50	3.00
B411507	< 0.2	< 0.5	13	476	7	174	4	63	2.21	32	< 10	240	< 0.5	< 2	2.13	24	555	3.18	< 10	< 1	1.11	50	2.71
B411508	0.7	< 0.5	103	582	89	73	2	55	4.35	22	< 10	35	< 0.5	< 2	2.76	43	103	4.65	< 10	2	1.52	< 10	2.28
B411509	0.5	< 0.5	49	737	132	71	2	45	5.91	25	< 10	66	< 0.5	< 2	4.79	35	102	5.13	< 10	1	1.83	< 10	2.39
B411510	0.3	< 0.5	11	81	< 1	8	41	60	1.36	6	29	65	< 0.5	< 2	> 10.0	1	20	1.23	< 10	< 1	0.04	< 10	1.62
B411511	0.9	< 0.5	65	708	66	71	< 2	57	5.87	10	12	71	< 0.5	< 2	4.19	32	98	5.13	10	1	1.92	< 10	2.56
B411512	0.3	< 0.5	103	632	81	60	< 2	39	4.14	3	< 10	122	< 0.5	< 2	3.68	28	93	4.14	< 10	2	1.09	< 10	1.99
B411513	< 0.2	< 0.5	111	523	154	56	< 2	33	2.83	5	< 10	12	< 0.5	< 2	2.71	28	84	3.49	< 10	< 1	0.16	< 10	1.76
B411514	0.7	< 0.5	67	500	42	42	< 2	24	2.59	3	< 10	21	< 0.5	< 2	4.03	23	61	2.98	< 10	< 1	0.19	< 10	1.50
B411515	< 0.2	< 0.5	150	834	< 1	275	< 2	34	1.59	11	< 10	126	< 0.5	< 2	3.34	47	1210	5.75	< 10	2	0.74	< 10	3.17
B411516	< 0.2	< 0.5	145	806	< 1	280	3	36	1.58	10	< 10	116	< 0.5	< 2	3.12	46	1270	5.93	< 10	< 1	0.66	< 10	3.13
B411517	0.4	0.6	203	682	< 1	14	2	62	2.32	476	< 10	69	< 0.5	< 2	3.22	37	4	7.42	< 10	2	0.47	< 10	1.26
B411518	0.2	< 0.5	127	771	< 1	8	< 2	67	2.19	1520	< 10	11	< 0.5	< 2	2.91	40	2	7.72	< 10	< 1	0.12	< 10	1.10
B411619	0.6	< 0.5	498	805	< 1	66	< 2	68	2.18	33	< 10	< 10	< 0.5	< 2	3.66	40	84	5.96	< 10	< 1	0.07	< 10	1.93
B411620	1.2	< 0.5	139	666	2	109	16	65	3.06	32	33	36	< 0.5	< 2	2.83	32	267	5.40	< 10	2	0.14	< 10	2.63
B411621	0.3	< 0.5	252	710	< 1	58	< 2	58	1.87	31	< 10	30	< 0.5	< 2	3.02	40	80	5.45	< 10	1	0.15	< 10	1.60
B411622	0.3	< 0.5	263	790	< 1	71	< 2	61	2.19	38	< 10	114	< 0.5	< 2	3.92	42	155	6.14	< 10	2	0.53	< 10	1.84
B411623	0.3	< 0.5	374	794	< 1	75	< 2	51	1.98	11	< 10	41	< 0.5	< 2	3.81	37	148	5.69	< 10	< 1	0.22	< 10	1.74
B411624	0.3	< 0.5	196	654	< 1	74	< 2	44	1.38	25	< 10	< 10	< 0.5	< 2	3.20	37	170	4.57	< 10	< 1	0.06	< 10	1.55
B411625	0.5	0.6	498	1400	< 1	243	< 2	94	5.28	304	< 10	12	< 0.5	< 2	0.09	82	475	12.9	10	2	0.07	< 10	3.62
B411626	0.4	0.9	260	1200	1	172	3	86	3.26	119	< 10	10	< 0.5	3	0.08	61	324	9.25	10	2	0.05	< 10	1.99
B411627	0.5	0.6	293	1000	< 1	222	10	95	3.23	37	< 10	55	< 0.5	< 2	0.46	70	342	8.76	10	1	0.29	< 10	2.36
B411628	0.5	< 0.5	220	967	< 1	89	< 2	74	3.03	12	< 10	158	< 0.5	< 2	3.10	42	166	7.06	< 10	< 1	0.71	< 10	2.34
B411629	0.4	< 0.5	234	759	< 1	63	< 2	54	1.52	2	< 10	37	< 0.5	< 2	3.27	29	115	4.97	< 10	< 1	0.23	< 10	1.55
B411630	0.2	< 0.5	11	80	< 1	8	42	60	1.30	6	28	55	< 0.5	< 2	> 10.0	1	21	1.19	< 10	< 1	0.04	< 10	1.57
B411631	0.3	0.5	256	731	< 1	59	< 2	47	1.43	6	< 10	23	< 0.5	< 2	3.16	29	155	4.31	< 10	< 1	0.13	< 10	1.54
B411632	0.3	< 0.5	261	748	< 1	56	< 2	46	1.45	8	< 10	< 10	< 0.5	< 2	3.19	29	138	4.83	< 10	< 1	0.07	< 10	1.55
B411633	0.3	< 0.5	319	721	< 1	62	< 2	50	1.59	7	< 10	21	< 0.5	< 2	2.96	31	150	4.95	< 10	< 1	0.12	< 10	1.71
B411634	< 0.2	< 0.5	110	624	< 1	106	< 2	46	1.89	8	< 10	51	< 0.5	< 2	2.63	29	285	3.85	< 10	< 1	0.15	< 10	2.04
B411635	0.4	< 0.5	363	715	< 1	70	< 2	62	2.05	14	< 10	58	< 0.5	< 2	2.86	37	171	5.42	< 10	< 1	0.19	< 10	1.85
B411636	0.6	< 0.5	436	747	< 1	67	< 2	59	2.02	14	< 10	61	< 0.5	< 2	3.46	34	161	5.32	< 10	1	0.20	< 10	1.80
B411637	0.7	< 0.5	490	844	4	4	< 2	72	1.75	16	< 10	< 10	< 0.5	< 2	2.32	33	5	9.08	< 10	< 1	0.03	< 10	1.16
B411638	0.7	< 0.5	244	698	4	13	6	49	1.39	15	< 10	74	< 0.5	< 2	2.57	39	4	6.76	< 10	< 1	0.26	< 10	1.10
B411639	0.3	< 0.5	176	760	< 1	65	< 2	51	1.69	3	< 10	78	< 0.5	< 2	3.04	33	59	5.15	< 10	1	0.19	< 10	1.51
B411640	0.5	< 0.5	161	711	1	83	5	60	3.90	11	20	19	< 0.5	< 2	3.29	32	111	5.57	< 10	< 1	0.08	< 10	2.21
B411641	0.3	< 0.5	202	792	< 1	61	< 2	65	2.07	< 2	< 10	71	< 0.5	< 2	3.03	35	63	5.98	< 10	1	0.22	< 10	1.75
B411642	0.5	< 0.5	272	813	< 1	55	< 2	66	2.09	3	< 10	35	< 0.5	< 2	3.18	34	63	6.03	< 10	1	0.12	< 10	1.78
B411643	0.2	< 0.5	109	1140	2	66	3	80	2.84	< 2	< 10	112	< 0.5	< 2	3.17	29	69	8.64	10	< 1	0.64	50	3.45
B411644	< 0.2	< 0.5	38	710	< 1	137	< 2	114	4.44	3	< 10	216	< 0.5	2	1.08	22	434	8.38	20	< 1	1.03	65	4.27
B411645	< 0.2	< 0.5	73	533	18	56	< 2	28	0.82	< 2	< 10	34	< 0.5	< 2	3.28	18	85	2.50	< 10	< 1	0.12	< 10	1.49

## Results

## Activation Laboratories Ltd.

## Report: A21-10913

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2		0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B411646	0.3	< 0.5	81	562	6	78	< 2	30	1.07	2	< 10	84	< 0.5	< 2	3.51	22	153	2.80	< 10	< 1	0.32	< 10	1.66
B411647	2.9	< 0.5	311	857	5	130	11	37	1.61	6	< 10	43	< 0.5	25	5.22	35	213	3.47	< 10	< 1	0.24	< 10	2.14
B411648	1.0	< 0.5	290	1010	3	150	< 2	48	2.24	9	< 10	82	< 0.5	< 2	5.63	39	276	4.18	< 10	< 1	0.46	< 10	2.62
B411649	< 0.2	< 0.5	4	220	3	21	< 2	8	0.28	4	< 10	26	< 0.5	< 2	1.15	5	54	1.00	< 10	< 1	0.12	< 10	0.34
B411650	0.2	< 0.5	11	81	< 1	9	43	62	1.32	7	28	77	< 0.5	< 2	> 10.0	1	21	1.20	< 10	< 1	0.05	< 10	1.57
B411651	< 0.2	< 0.5	27	618	11	74	< 2	22	0.77	13	< 10	52	< 0.5	< 2	4.24	17	197	1.83	< 10	< 1	0.27	< 10	1.01
B411652	< 0.2	< 0.5	62	603	6	105	< 2	24	0.96	28	< 10	54	< 0.5	< 2	4.02	24	216	2.30	< 10	< 1	0.26	< 10	1.38
B411653	< 0.2	< 0.5	24	484	23	76	< 2	20	0.53	16	< 10	< 10	< 0.5	< 2	3.28	16	186	1.60	< 10	< 1	0.04	< 10	1.12
B411654	0.2	< 0.5	61	668	6	114	< 2	26	0.78	21	< 10	47	< 0.5	< 2	4.07	21	278	2.02	< 10	< 1	0.22	< 10	1.47
B411655	< 0.2	< 0.5	29	937	4	119	< 2	27	0.94	12	< 10	50	< 0.5	< 2	6.13	20	397	2.33	< 10	< 1	0.31	< 10	1.60
B411656	0.2	< 0.5	36	966	3	130	< 2	27	1.07	7	< 10	60	< 0.5	< 2	6.19	23	450	2.52	< 10	< 1	0.36	< 10	1.72
B411657	0.4	< 0.5	78	1410	1	159	6	28	1.53	6	< 10	25	< 0.5	< 2	8.16	27	762	3.12	< 10	< 1	0.15	< 10	2.09
B411658	< 0.2	< 0.5	6	421	3	72	< 2	18	0.59	< 2	< 10	< 10	< 0.5	< 2	3.10	14	447	1.81	< 10	< 1	0.05	< 10	1.50
B411659	1.8	< 0.5	131	587	19	73	3	45	1.16	< 2	< 10	53	< 0.5	< 2	2.48	28	138	3.54	< 10	< 1	0.23	< 10	1.58
B411660	1.1	< 0.5	141	665	3	111	15	65	3.10	34	33	35	< 0.5	< 2	2.85	31	266	5.52	< 10	1	0.15	< 10	2.67
B411661	0.7	< 0.5	146	547	< 1	101	3	57	1.59	< 2	< 10	37	< 0.5	< 2	2.06	31	168	4.15	< 10	< 1	0.35	10	1.78
B411662	0.9	< 0.5	317	642	13	83	< 2	77	1.64	< 2	< 10	88	< 0.5	< 2	2.34	36	108	5.01	< 10	1	0.43	< 10	1.66
B411663	0.3	< 0.5	105	566	8	63	< 2	61	2.22	22	< 10	86	< 0.5	< 2	2.00	39	98	5.36	< 10	1	0.35	< 10	1.92
B411664	2.7	2.5	203	992	21	308	2	309	2.84	119	< 10	54	< 0.5	< 2	6.26	52	513	4.40	< 10	1	0.26	17	3.75
B411665	1.6	< 0.5	221	667	5	97	< 2	103	3.20	22	< 10	74	< 0.5	< 2	2.18	50	125	6.87	< 10	2	0.57	< 10	2.96
B411666	1.1	< 0.5	199	673	5	95	< 2	125	4.00	10	< 10	128	< 0.5	< 2	1.70	53	143	7.95	10	< 1	0.79	< 10	3.66
B411667	1.1	0.5	215	690	2	86	< 2	92	3.05	4	< 10	55	< 0.5	< 2	2.19	49	122	7.23	< 10	< 1	0.27	< 10	2.66
B411668	1.1	< 0.5	164	762	2	115	< 2	100	3.89	8	< 10	104	< 0.5	< 2	1.86	55	196	8.02	10	1	0.56	< 10	3.41
B411669	0.4	< 0.5	78	623	4	135	2	69	3.28	5	< 10	149	< 0.5	< 2	3.03	39	262	5.46	< 10	< 1	0.61	< 10	3.41
B411670	0.3	0.6	11	79	< 1	8	43	62	1.28	7	28	96	< 0.5	< 2	> 10.0	1	21	1.18	< 10	< 1	0.08	< 10	1.56
B411671	< 0.2	< 0.5	41	530	< 1	192	3	48	2.49	< 2	< 10	628	< 0.5	< 2	4.26	28	393	3.34	< 10	< 1	0.89	43	3.25
B411672	0.4	< 0.5	81	584	< 1	109	< 2	43	1.67	3	< 10	76	< 0.5	< 2	4.73	24	235	3.17	< 10	< 1	0.10	< 10	2.21
B411673	< 0.2	< 0.5	9	730	< 1	197	5	70	2.99	2	< 10	61	< 0.5	< 2	5.01	26	489	3.81	< 10	< 1	0.34	47	3.91
B411674	0.9	0.8	32	786	< 1	232	3	136	2.84	8	< 10	< 10	< 0.5	< 2	5.30	35	464	3.86	< 10	< 1	0.04	40	3.63
B411675	1.2	< 0.5	146	537	52	51	3	90	1.98	6	< 10	< 10	< 0.5	< 2	1.68	34	55	7.11	< 10	< 1	0.04	16	2.03
B411676	1.0	< 0.5	142	518	61	50	3	89	1.89	6	< 10	< 10	< 0.5	< 2	1.72	40	46	6.75	< 10	< 1	0.04	17	1.98
B411677	1.3	< 0.5	124	570	11	22	< 2	50	1.27	16	< 10	< 10	< 0.5	< 2	1.85	26	11	5.55	< 10	< 1	0.04	< 10	1.18
B411678	0.6	< 0.5	119	628	5	21	< 2	44	1.72	3	< 10	< 10	< 0.5	< 2	2.28	28	11	5.48	< 10	1	0.04	< 10	1.41
B411679	0.7	< 0.5	124	711	14	23	< 2	41	2.40	5	< 10	32	< 0.5	< 2	2.57	33	10	6.06	< 10	2	0.16	< 10	1.83
B411680	0.5	< 0.5	158	697	< 1	77	3	59	3.88	13	20	21	< 0.5	< 2	3.29	32	108	5.49	< 10	1	0.09	< 10	2.18
B411681	1.1	< 0.5	129	720	11	24	< 2	42	2.83	10	< 10	37	< 0.5	< 2	2.53	39	8	6.53	< 10	1	0.30	< 10	1.85
B411682	0.5	< 0.5	74	934	69	25	< 2	52	3.80	31	< 10	37	< 0.5	< 2	2.74	39	9	7.31	10	< 1	0.42	< 10	1.86
B411683	1.8	< 0.5	191	678	79	25	17	68	3.08	20	< 10	32	< 0.5	3	1.54	34	6	9.95	10	1	0.86	< 10	1.76
B411684	31.8	< 0.5	138	708	100	13	< 2	45	2.76	18	< 10	54	< 0.5	< 2	2.26	35	1	8.64	10	< 1	0.34	< 10	1.55
B411685	0.4	< 0.5	60	833	51	22	< 2	40	3.18	7	13	13	< 0.5	< 2	2.86	36	7	7.60	< 10	2	0.11	< 10	2.25
B411686	< 0.2	< 0.5	82	765	10	20	3	39	2.51	4	< 10	23	< 0.5	< 2	2.23	33	7	7.48	< 10	1	0.25	< 10	2.18
B411687	< 0.2	< 0.5	35	552	8	206	3	51	2.90	15	< 10	262	< 0.5	< 2	2.86	29	443	3.90	< 10	< 1	1.53	79	3.53
B411688	1.3	< 0.5	115	732	17	128	5	56	3.34	17	< 10	225	< 0.5	< 2	2.42	38	219	5.68	< 10	2	1.62	36	2.86
B411689	2.3	< 0.5	258	694	93	114	4	53	3.24	10	< 10	29	< 0.5	< 2	1.54	45	204	6.44	< 10	2	1.59	15	2.67
B411690	0.3	< 0.5	11	78	< 1	8	42	59	1.28	5	28	78	< 0.5	< 2	> 10.0	1	20	1.17	< 10	< 1	0.05	< 10	1.54
B411691	< 0.2	< 0.5	5	500	< 1	228	< 2	48	2.68	16	13	318	< 0.5	< 2	1.66	37	742	4.07	< 10	< 1	1.62	78	3.80
B411692	< 0.2	< 0.5	30	413	3	184	6	42	2.05	18	< 10	280	< 0.5	< 2	1.88	28	600	3.04	< 10	< 1	1.36	73	2.71
B411693	0.6	< 0.5	121	386	10	71	2	28	2.28	8	< 10	107	< 0.5	< 2	2.18	23	160	2.96	< 10	< 1	0.56	23	1.52
B411694	1.0	0.6	197	517	91	78	< 2	41	2.38	2	< 10	28	< 0.5	< 2	2.24	38	53	4.03	< 10	< 1	0.17	< 10	1.66
B411695	0.8	< 0.5	168	560	52	72	< 2	40	1.96	< 2	< 10	< 10	< 0.5	< 2	2.03	39	75	4.28	< 10	< 1	0.10	< 10	1.83
B411696	0.8	< 0.5	181	561	37	74	< 2	37	1.96	< 2	< 10	< 10	< 0.5	< 2	2.03	38	74	4.29	< 10	< 1	0.10	< 10	1.82

**Results**

**Activation Laboratories Ltd.**

**Report: A21-10913**

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B411697	1.6	0.5	136	635	3	128	18	59	3.16	41	28	39	< 0.5	< 2	2.96	30	324	4.86	< 10	2	0.17	< 10	2.88

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B411444	0.298	0.036	0.77	< 2	17	197	0.29	< 20	6	< 2	< 10	146	< 10	11	10
B411445	0.193	0.041	0.85	< 2	15	60	0.21	< 20	1	< 2	< 10	129	< 10	10	11
B411446	0.138	0.145	0.19	3	5	52	0.17	< 20	1	< 2	< 10	117	< 10	8	10
B411447	0.111	0.263	0.17	< 2	5	87	0.19	< 20	1	< 2	< 10	84	< 10	7	4
B411448	0.104	0.031	1.37	3	9	29	0.13	< 20	< 1	< 2	< 10	125	< 10	7	20
B411449	0.155	0.047	0.27	3	9	36	0.14	< 20	< 1	< 2	< 10	159	< 10	9	14
B411450	0.057	0.016	0.49	< 2	2	335	0.06	< 20	< 1	< 2	< 10	34	< 10	5	13
B411451	0.108	0.039	0.24	4	14	9	0.14	< 20	< 1	< 2	< 10	194	< 10	8	10
B411452	0.091	0.036	0.23	3	14	28	0.08	< 20	< 1	< 2	< 10	154	< 10	5	10
B411453	0.089	0.035	0.32	3	12	45	0.16	< 20	< 1	< 2	< 10	136	< 10	6	10
B411454	0.038	0.018	0.86	5	18	3	0.18	< 20	1	< 2	< 10	228	< 10	7	16
B411455	0.053	0.007	0.77	4	16	7	0.17	< 20	< 1	< 2	< 10	160	< 10	13	15
B411456	0.052	0.007	1.02	5	16	9	0.17	< 20	< 1	< 2	< 10	156	< 10	13	18
B411457	0.024	0.036	1.06	2	20	3	0.16	< 20	< 1	< 2	< 10	141	18	6	25
B411458	0.215	0.053	0.12	3	8	18	0.16	< 20	1	< 2	< 10	176	< 10	11	12
B411459	0.233	0.046	2.20	3	9	29	0.18	< 20	1	< 2	< 10	157	< 10	11	17
B411460	0.053	0.028	0.71	2	9	46	0.23	< 20	5	< 2	< 10	106	< 10	8	15
B411461	0.153	0.051	0.59	2	8	21	0.20	< 20	2	< 2	< 10	161	< 10	8	17
B411462	0.130	0.070	0.03	< 2	5	43	0.15	< 20	3	< 2	< 10	57	< 10	4	9
B411463	0.091	0.165	< 0.01	3	5	101	0.14	< 20	< 1	< 2	< 10	56	< 10	5	3
B411464	0.121	0.024	0.50	< 2	5	65	0.15	< 20	1	< 2	< 10	63	< 10	4	11
B411465	0.114	0.025	0.68	4	12	22	0.19	< 20	< 1	< 2	< 10	213	< 10	6	12
B411466	0.237	0.040	0.23	3	11	17	0.18	< 20	1	< 2	< 10	241	< 10	8	8
B411467	0.257	0.033	0.17	2	11	46	0.22	< 20	2	< 2	< 10	115	< 10	9	4
B411468	0.123	0.018	0.12	< 2	8	83	0.14	< 20	< 1	< 2	< 10	59	< 10	4	6
B411469	0.073	0.024	1.24	< 2	14	98	0.17	< 20	2	< 2	< 10	127	< 10	6	8
B411470	0.031	0.015	0.39	< 2	2	307	0.05	< 20	< 1	< 2	< 10	31	< 10	4	8
B411471	0.086	0.080	0.86	< 2	6	96	0.14	< 20	4	< 2	< 10	70	< 10	5	16
B411472	0.070	0.021	0.66	< 2	5	150	0.07	< 20	< 1	< 2	< 10	41	< 10	4	17
B411473	0.077	0.163	1.12	2	9	348	0.09	< 20	< 1	< 2	< 10	65	< 10	7	4
B411474	0.091	0.200	1.08	2	7	107	0.08	< 20	1	< 2	< 10	53	< 10	8	3
B411475	0.132	0.131	0.39	< 2	5	122	0.09	< 20	1	< 2	< 10	34	< 10	6	4
B411476	0.113	0.134	0.45	< 2	5	140	0.08	< 20	< 1	< 2	< 10	37	< 10	6	3
B411477	0.143	0.072	0.03	< 2	4	40	0.13	< 20	2	< 2	< 10	47	< 10	5	5
B411478	0.160	0.063	0.07	< 2	6	40	0.17	< 20	1	< 2	< 10	58	< 10	5	7
B411479	0.230	0.171	0.50	2	13	176	0.11	< 20	< 1	< 2	< 10	100	< 10	10	4
B411480	0.275	0.092	0.01	< 2	5	101	0.19	< 20	3	< 2	< 10	47	< 10	11	3
B411481	0.199	0.038	0.95	< 2	13	73	0.12	< 20	< 1	< 2	< 10	143	< 10	8	14
B411482	0.222	0.077	0.61	4	20	55	0.17	< 20	< 1	< 2	< 10	175	< 10	10	14
B411483	0.104	0.071	0.46	4	22	180	0.17	< 20	3	< 2	< 10	184	< 10	8	14
B411484	0.083	0.057	0.86	< 2	14	146	0.10	< 20	< 1	< 2	< 10	116	< 10	6	12
B411485	0.178	0.074	1.15	2	15	35	0.14	< 20	3	< 2	< 10	150	< 10	10	21
B411486	0.239	0.045	0.19	< 2	19	21	0.17	< 20	2	< 2	< 10	168	< 10	12	13
B411487	0.205	0.045	0.65	2	20	21	0.17	< 20	< 1	< 2	< 10	174	< 10	12	12
B411488	0.248	0.051	0.30	2	19	15	0.16	< 20	< 1	< 2	< 10	165	< 10	13	10
B411489	0.225	0.047	0.16	< 2	19	18	0.17	< 20	3	< 2	< 10	165	< 10	12	9
B411490	0.032	0.015	0.45	< 2	2	323	0.05	< 20	< 1	< 2	< 10	32	< 10	5	9
B411491	0.127	0.045	0.61	< 2	22	30	0.24	< 20	2	< 2	< 10	203	< 10	14	16
B411492	0.193	0.044	0.69	< 2	20	23	0.22	< 20	3	< 2	< 10	188	< 10	12	20
B411493	0.178	0.046	0.36	< 2	16	18	0.21	< 20	1	< 2	< 10	166	< 10	11	20
B411494	0.207	0.045	0.20	< 2	18	13	0.18	< 20	3	< 2	< 10	174	< 10	12	12

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B411495	0.208	0.045	0.20	2	19	21	0.19	< 20	5	< 2	< 10	183	< 10	12	13
B411496	0.184	0.045	0.19	3	17	29	0.20	< 20	< 1	< 2	< 10	172	< 10	11	13
B411497	0.205	0.040	0.17	< 2	18	24	0.20	< 20	< 1	< 2	< 10	162	< 10	11	10
B411498	0.193	0.043	0.71	2	19	19	0.23	< 20	< 1	< 2	< 10	188	< 10	12	16
B411499	0.202	0.045	0.12	4	19	18	0.19	< 20	< 1	< 2	< 10	184	< 10	12	12
B411500	0.048	0.033	0.24	< 2	7	47	0.35	< 20	2	< 2	< 10	151	< 10	10	9
B411501	0.205	0.044	0.24	< 2	20	18	0.19	< 20	< 1	< 2	< 10	197	< 10	12	12
B411502	0.246	0.045	0.20	2	20	20	0.18	< 20	2	< 2	< 10	183	< 10	12	10
B411503	0.205	0.044	0.15	3	19	11	0.18	< 20	2	< 2	< 10	180	< 10	12	11
B411504	0.170	0.040	0.74	4	18	18	0.23	< 20	4	< 2	< 10	196	< 10	11	13
B411505	0.132	0.064	2.31	4	21	29	0.23	< 20	< 1	< 2	< 10	206	< 10	16	18
B411506	0.096	0.235	1.22	4	10	83	0.26	< 20	4	< 2	< 10	111	13	9	11
B411507	0.091	0.228	0.20	4	9	76	0.23	< 20	4	< 2	< 10	76	< 10	6	5
B411508	0.298	0.026	1.24	< 2	9	55	0.21	< 20	2	< 2	< 10	102	11	5	5
B411509	0.413	0.026	1.87	< 2	10	75	0.19	< 20	1	< 2	< 10	113	107	7	6
B411510	0.025	0.016	0.49	< 2	2	320	0.05	< 20	< 1	2	< 10	32	< 10	5	8
B411511	0.315	0.031	1.07	< 2	11	57	0.18	< 20	< 1	< 2	< 10	117	31	8	4
B411512	0.308	0.033	0.13	< 2	12	42	0.19	< 20	1	< 2	< 10	107	12	9	4
B411513	0.258	0.022	0.13	< 2	12	37	0.22	< 20	< 1	< 2	< 10	91	10	6	5
B411514	0.254	0.018	0.17	< 2	9	34	0.15	< 20	1	< 2	< 10	69	96	6	4
B411515	0.035	0.054	0.24	7	4	147	0.13	< 20	< 1	< 2	< 10	88	< 10	3	10
B411516	0.030	0.044	0.23	7	4	134	0.12	< 20	< 1	< 2	< 10	91	< 10	3	8
B411517	0.198	0.048	0.27	2	8	28	0.14	< 20	5	< 2	< 10	136	< 10	12	10
B411518	0.246	0.055	0.39	3	8	19	0.10	< 20	3	< 2	< 10	117	< 10	15	14
B411619	0.176	0.035	0.24	2	10	30	0.18	< 20	< 1	< 2	< 10	104	< 10	7	6
B411620	0.058	0.036	0.47	3	9	43	0.34	< 20	2	< 2	< 10	148	< 10	11	11
B411621	0.191	0.034	0.16	< 2	9	24	0.17	< 20	1	< 2	< 10	105	< 10	7	7
B411622	0.139	0.030	0.80	2	8	41	0.21	< 20	2	< 2	< 10	103	< 10	6	10
B411623	0.172	0.035	0.48	2	8	41	0.20	< 20	< 1	< 2	< 10	105	< 10	7	9
B411624	0.166	0.033	0.22	2	8	27	0.18	< 20	3	< 2	< 10	87	< 10	6	7
B411625	0.016	0.032	0.65	6	35	4	0.07	< 20	< 1	< 2	< 10	267	< 10	5	5
B411626	0.028	0.015	0.92	4	26	6	0.12	< 20	< 1	< 2	< 10	212	< 10	5	8
B411627	0.043	0.024	1.21	4	21	11	0.16	< 20	< 1	< 2	< 10	210	< 10	8	11
B411628	0.186	0.037	0.18	< 2	12	41	0.22	< 20	< 1	< 2	< 10	128	< 10	8	6
B411629	0.174	0.033	0.19	< 2	8	27	0.19	< 20	< 1	< 2	< 10	98	< 10	7	5
B411630	0.027	0.015	0.43	< 2	2	312	0.05	< 20	< 1	< 2	< 10	31	< 10	4	6
B411631	0.170	0.033	0.14	< 2	9	28	0.18	< 20	< 1	< 2	< 10	81	< 10	7	6
B411632	0.185	0.032	0.12	< 2	10	24	0.19	< 20	1	< 2	< 10	92	< 10	7	5
B411633	0.204	0.034	0.12	< 2	11	19	0.18	< 20	< 1	< 2	< 10	94	< 10	7	5
B411634	0.159	0.057	0.06	< 2	7	27	0.16	< 20	< 1	< 2	< 10	75	< 10	6	10
B411635	0.194	0.033	0.10	2	11	26	0.18	< 20	< 1	< 2	< 10	104	< 10	8	4
B411636	0.181	0.032	0.11	3	10	34	0.18	< 20	< 1	< 2	< 10	101	< 10	8	4
B411637	0.212	0.065	0.15	3	9	27	0.14	< 20	< 1	< 2	< 10	117	< 10	16	10
B411638	0.152	0.046	0.59	< 2	7	32	0.18	< 20	< 1	< 2	< 10	131	< 10	9	13
B411639	0.188	0.032	0.43	< 2	9	25	0.17	< 20	< 1	< 2	< 10	90	< 10	6	7
B411640	0.046	0.034	0.24	< 2	7	49	0.36	< 20	4	< 2	< 10	153	< 10	10	9
B411641	0.226	0.040	0.25	< 2	11	27	0.17	< 20	< 1	< 2	< 10	118	< 10	8	6
B411642	0.231	0.036	0.22	< 2	10	34	0.16	< 20	< 1	< 2	< 10	115	< 10	8	6
B411643	0.125	0.037	0.53	3	12	45	0.15	< 20	< 1	< 2	11	114	< 10	11	8
B411644	0.105	0.179	0.24	4	15	38	0.17	< 20	< 1	< 2	< 10	141	13	9	12
B411645	0.084	0.019	0.02	< 2	6	50	0.14	< 20	< 1	< 2	< 10	50	< 10	3	5

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B411646	0.095	0.021	0.06	< 2	7	53	0.16	< 20	6	< 2	< 10	55	< 10	3	6
B411647	0.053	0.052	0.32	< 2	7	95	0.16	< 20	5	< 2	< 10	64	< 10	5	7
B411648	0.045	0.030	0.24	2	8	104	0.16	< 20	< 1	< 2	< 10	78	< 10	4	7
B411649	0.033	0.007	< 0.01	< 2	1	20	0.04	< 20	< 1	< 2	< 10	9	< 10	< 1	2
B411650	0.031	0.015	0.36	< 2	2	301	0.05	< 20	< 1	< 2	< 10	31	< 10	5	6
B411651	0.047	0.018	0.02	< 2	5	74	0.14	< 20	3	< 2	< 10	30	< 10	4	6
B411652	0.059	0.034	0.05	< 2	6	57	0.18	< 20	3	< 2	< 10	37	< 10	4	6
B411653	0.065	0.017	0.03	< 2	5	44	0.24	< 20	4	< 2	< 10	30	< 10	4	6
B411654	0.057	0.018	0.05	< 2	6	56	0.19	< 20	1	< 2	< 10	40	< 10	4	7
B411655	0.065	0.016	0.05	< 2	6	100	0.18	< 20	< 1	3	< 10	34	< 10	4	6
B411656	0.066	0.019	0.07	< 2	6	102	0.17	< 20	1	< 2	< 10	37	< 10	4	6
B411657	0.035	0.013	0.18	3	5	158	0.12	< 20	< 1	< 2	< 10	53	< 10	9	4
B411658	0.078	0.015	< 0.01	< 2	6	30	0.16	< 20	< 1	< 2	< 10	36	< 10	4	3
B411659	0.131	0.022	0.17	< 2	8	22	0.17	< 20	< 1	< 2	< 10	68	< 10	5	7
B411660	0.057	0.037	0.48	2	9	43	0.34	< 20	3	3	< 10	148	< 10	11	11
B411661	0.137	0.059	0.24	< 2	7	18	0.16	< 20	5	< 2	< 10	72	< 10	6	12
B411662	0.161	0.049	0.30	< 2	10	21	0.19	< 20	< 1	< 2	< 10	114	< 10	7	9
B411663	0.193	0.049	0.29	< 2	17	22	0.20	< 20	3	< 2	< 10	159	< 10	9	9
B411664	0.079	0.067	0.24	2	8	223	0.08	< 20	2	< 2	< 10	69	< 10	7	6
B411665	0.210	0.057	0.83	< 2	18	31	0.16	< 20	< 1	< 2	< 10	169	< 10	9	12
B411666	0.223	0.088	0.45	4	21	16	0.15	< 20	< 1	3	< 10	181	15	10	11
B411667	0.322	0.069	0.67	2	22	18	0.14	< 20	< 1	< 2	< 10	164	< 10	12	11
B411668	0.297	0.070	0.61	3	24	23	0.16	< 20	2	< 2	< 10	201	< 10	12	10
B411669	0.348	0.047	0.21	2	15	64	0.17	< 20	< 1	< 2	< 10	127	< 10	8	10
B411670	0.038	0.015	0.40	< 2	2	305	0.05	< 20	< 1	< 2	< 10	31	< 10	4	8
B411671	0.341	0.263	0.06	2	9	212	0.15	< 20	1	< 2	< 10	63	< 10	8	3
B411672	0.250	0.019	0.28	< 2	8	174	0.09	< 20	2	< 2	< 10	52	< 10	5	12
B411673	0.338	0.128	0.02	3	9	263	0.15	< 20	< 1	< 2	< 10	57	< 10	8	4
B411674	0.328	0.189	0.18	2	9	188	0.13	< 20	< 1	< 2	< 10	50	< 10	8	3
B411675	0.189	0.106	0.65	< 2	16	28	0.13	< 20	< 1	< 2	< 10	208	< 10	12	10
B411676	0.177	0.111	0.85	< 2	15	26	0.13	< 20	< 1	< 2	< 10	194	< 10	11	11
B411677	0.148	0.042	0.80	< 2	13	18	0.15	< 20	1	< 2	< 10	153	< 10	9	16
B411678	0.205	0.045	0.22	< 2	18	17	0.16	< 20	< 1	< 2	< 10	174	< 10	12	11
B411679	0.259	0.046	0.45	< 2	21	24	0.19	< 20	< 1	< 2	< 10	178	< 10	14	13
B411680	0.048	0.033	0.23	< 2	7	51	0.36	< 20	2	< 2	< 10	151	< 10	10	12
B411681	0.277	0.048	0.83	< 2	21	31	0.19	< 20	< 1	< 2	< 10	175	< 10	14	13
B411682	0.339	0.049	0.36	< 2	22	46	0.17	< 20	< 1	< 2	< 10	206	< 10	16	9
B411683	0.196	0.045	2.48	2	24	25	0.23	< 20	4	< 2	< 10	336	< 10	13	17
B411684	0.272	0.064	1.25	4	22	32	0.22	< 20	< 1	< 2	< 10	269	< 10	19	14
B411685	0.313	0.047	0.21	3	23	43	0.19	< 20	< 1	< 2	< 10	211	< 10	14	10
B411686	0.240	0.046	0.14	2	20	53	0.22	< 20	2	< 2	< 10	215	< 10	13	11
B411687	0.102	0.318	0.17	2	9	125	0.13	< 20	< 1	< 2	< 10	91	< 10	10	2
B411688	0.173	0.237	0.33	< 2	16	130	0.30	< 20	2	< 2	< 10	142	< 10	10	9
B411689	0.140	0.092	0.94	7	16	47	0.28	< 20	3	< 2	< 10	157	< 10	10	15
B411690	0.029	0.015	0.43	< 2	2	312	0.05	< 20	< 1	< 2	< 10	30	< 10	4	8
B411691	0.089	0.313	0.21	4	9	66	0.25	< 20	5	< 2	< 10	90	< 10	9	4
B411692	0.096	0.315	0.11	3	7	96	0.22	< 20	2	< 2	< 10	63	< 10	8	3
B411693	0.137	0.105	0.26	< 2	9	134	0.22	< 20	2	3	< 10	70	< 10	8	9
B411694	0.186	0.034	0.51	< 2	11	67	0.24	< 20	4	< 2	< 10	85	98	8	6
B411695	0.147	0.026	0.47	< 2	12	31	0.25	< 20	5	< 2	< 10	97	< 10	7	5
B411696	0.150	0.026	0.47	< 2	13	32	0.24	< 20	< 1	< 2	< 10	96	< 10	7	5

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B411697	0.062	0.031	0.56	2	10	44	0.30	< 20	2	< 2	< 10	126	< 10	10	10



Analyte Symbol	Ag	Mn	Mo	Ni	Pb	Zn	Al	B	Ba	Bi	Ca	Co	Cr	Fe	Ga	K	La	P	S	Sc	Sr	Ti	Th
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm	%	ppm	ppm	%	ppm	
Lower Limit	0.2	5	1	1	2	2	0.01	10	10	2	0.01	1	1	0.01	10	0.01	10	0.001	0.01	1	1	0.01	20
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas	0.3	1060	< 1	25	101	132	6.96	< 10	858	< 2	0.13	12	81	5.64	20	1.00	< 10	0.035	0.01	22	30		< 20
GXR-6 Cert	1.30	1010	2.40	27.0	101	118	17.7	9.80	1300	0.290	0.180	13.8	96.0	5.58	35.0	1.87	13.9	0.0350	0.0160	27.6	35.0		5.30
GXR-6 Meas	0.3	1060	1	25	101	132	6.92	< 10	832	< 2	0.13	13	80	5.62	20	1.02	< 10	0.035	0.01	22	32		< 20
GXR-6 Cert	1.30	1010	2.40	27.0	101	118	17.7	9.80	1300	0.290	0.180	13.8	96.0	5.58	35.0	1.87	13.9	0.0350	0.0160	27.6	35.0		5.30
GXR-6 Meas	0.4	1070	1	23	99	130	6.62	< 10	712	< 2	0.12	13	81	5.58	20	1.06	< 10	0.035	0.01	22	27		< 20
GXR-6 Cert	1.30	1010	2.40	27.0	101	118	17.7	9.80	1300	0.290	0.180	13.8	96.0	5.58	35.0	1.87	13.9	0.0350	0.0160	27.6	35.0		5.30
GXR-6 Meas	0.3	1060	1	21	98	128	6.60	< 10	709	< 2	0.12	15	80	5.51	20	1.05	< 10	0.034	0.01	22	27		< 20
GXR-6 Cert	1.30	1010	2.40	27.0	101	118	17.7	9.80	1300	0.290	0.180	13.8	96.0	5.58	35.0	1.87	13.9	0.0350	0.0160	27.6	35.0		5.30
GXR-6 Meas	0.3	1060	1	24	99	125	6.89	< 10	741	< 2	0.13	13	80	5.84	20	1.12	< 10	0.035	0.01	22	29		< 20
GXR-6 Cert	1.30	1010	2.40	27.0	101	118	17.7	9.80	1300	0.290	0.180	13.8	96.0	5.58	35.0	1.87	13.9	0.0350	0.0160	27.6	35.0		5.30
GXR-6 Meas	0.3	1010	1	23	92	123	6.85	< 10	822	< 2	0.15	13	77	5.42	20	1.03	< 10	0.033	0.01	20	33		< 20
GXR-6 Cert	1.30	1010	2.40	27.0	101	118	17.7	9.80	1300	0.290	0.180	13.8	96.0	5.58	35.0	1.87	13.9	0.0350	0.0160	27.6	35.0		5.30
GXR-6 Meas	0.3	1030	< 1	23	94	124	6.94	< 10	821	< 2	0.15	13	78	5.55	20	1.05	< 10	0.033	0.01	20	34		< 20
GXR-6 Cert	1.30	1010	2.40	27.0	101	118	17.7	9.80	1300	0.290	0.180	13.8	96.0	5.58	35.0	1.87	13.9	0.0350	0.0160	27.6	35.0		5.30
GXR-6 Meas	0.3	1030	< 1	24	93	120	7.22	< 10	731	< 2	0.13	13	76	5.64	20	1.14	< 10	0.035	0.01	22	34		< 20
GXR-6 Cert	1.30	1010	2.40	27.0	101	118	17.7	9.80	1300	0.290	0.180	13.8	96.0	5.58	35.0	1.87	13.9	0.0350	0.0160	27.6	35.0		5.30
GXR-6 Meas	0.3	1050	1	24	96	122	7.03	< 10	767	< 2	0.13	13	78	5.60	20	1.13	< 10	0.035	0.01	22	34		< 20
GXR-6 Cert	1.30	1010	2.40	27.0	101	118	17.7	9.80	1300	0.290	0.180	13.8	96.0	5.58	35.0	1.87	13.9	0.0350	0.0160	27.6	35.0		5.30
GXR-6 Meas	0.3	1040	< 1	23	93	122	7.03	< 10	769	< 2	0.13	13	77	5.53	20	1.12	< 10	0.034	0.01	21	33		< 20
GXR-6 Cert	1.30	1010	2.40	27.0	101	118	17.7	9.80	1300	0.290	0.180	13.8	96.0	5.58	35.0	1.87	13.9	0.0350	0.0160	27.6	35.0		5.30
OREAS 98 (Aqua Regia) Meas	40.7				272	1190				7		104											
OREAS 98 (Aqua Regia) Cert	42.8				343	1300				90		111											
OREAS 98 (Aqua Regia) Meas	41.4				269	1190				27		103											
OREAS 98 (Aqua Regia) Cert	42.8				343	1300				93		111											
OREAS 922 (AQUA REGIA) Meas	1.2	767	< 1	36	60	271	2.83		94	5	0.41	19	46	5.08	< 10	0.44	35	0.063	0.38	4	17		< 20
OREAS 922 (AQUA REGIA) Cert	0.851	730	0.69	34.3	60	256	2.72		70	10.3	0.324	19.4	40.7	5.05	7.62	0.376	32.5	0.063	0.386	3.15	15.0		14.5
OREAS 922 (AQUA REGIA) Meas	1.0	761	< 1	39	59	271	2.70		88	9	0.40	19	56	4.95	< 10	0.40	34	0.061	0.37	4	16		< 20
OREAS 922 (AQUA REGIA) Cert	0.851	730	0.69	34.3	60	256	2.72		70	10.3	0.324	19.4	40.7	5.05	7.62	0.376	32.5	0.063	0.386	3.15	15.0		14.5
OREAS 922 (AQUA REGIA) Meas	0.9	789	< 1	33	61	263	2.77		80	11	0.39	19	45	5.21	< 10	0.45	35	0.064	0.36	4	15		< 20
OREAS 922 (AQUA REGIA) Cert	0.851	730	0.69	34.3	60	256	2.72		70	10.3	0.324	19.4	40.7	5.05	7.62	0.376	32.5	0.063	0.386	3.15	15.0		14.5
OREAS 922 (AQUA REGIA) Meas	0.8	789	< 1	35	62	268	2.83		84	14	0.40	19	47	5.17	< 10	0.47	36	0.064	0.37	4	15		< 20
OREAS 922 (AQUA REGIA) Cert	0.851	730	0.69	34.3	60	256	2.72		70	10.3	0.324	19.4	40.7	5.05	7.62	0.376	32.5	0.063	0.386	3.15	15.0		14.5
OREAS 922 (AQUA REGIA) Meas	0.9	783	< 1	38	61	268	2.89		84	8	0.41	19	46	5.28	< 10	0.49	37	0.065	0.37	4	16		< 20
OREAS 922 (AQUA REGIA) Cert	0.851	730	0.69	34.3	60	256	2.72		70	10.3	0.324	19.4	40.7	5.05	7.62	0.376	32.5	0.063	0.386	3.15	15.0		14.5

Analyte Symbol	Ag	Mn	Mo	Ni	Pb	Zn	Al	B	Ba	Bi	Ca	Co	Cr	Fe	Ga	K	La	P	S	Sc	Sr	Ti	Th
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm	%	ppm	ppm	%	ppm	
Lower Limit	0.2	5	1	1	2	2	0.01	10	10	2	0.01	1	1	0.01	10	0.01	10	0.001	0.01	1	1	0.01	20
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Cert																							
OREAS 922 (AQUA REGIA) Meas	0.8	769	< 1	34	56	259	2.95		86	10	0.42	19	46	5.31	< 10	0.49	36	0.064	0.37	4	17		< 20
OREAS 922 (AQUA REGIA) Cert	0.851	730	0.69	34.3	60	256	2.72		70	10.3	0.324	19.4	40.7	5.05	7.62	0.376	32.5	0.063	0.386	3.15	15.0		14.5
OREAS 922 (AQUA REGIA) Meas	0.7	733	< 1	34	60	254	2.79		77	9	0.40	19	45	5.07	< 10	0.45	34	0.059	0.35	4	16		< 20
OREAS 922 (AQUA REGIA) Cert	0.851	730	0.69	34.3	60	256	2.72		70	10.3	0.324	19.4	40.7	5.05	7.62	0.376	32.5	0.063	0.386	3.15	15.0		14.5
OREAS 922 (AQUA REGIA) Meas	0.7	732	< 1	34	53	243	2.87		73	7	0.39	19	42	5.15	< 10	0.47	33	0.063	0.36	4	18		< 20
OREAS 922 (AQUA REGIA) Cert	0.851	730	0.69	34.3	60	256	2.72		70	10.3	0.324	19.4	40.7	5.05	7.62	0.376	32.5	0.063	0.386	3.15	15.0		14.5
OREAS 922 (AQUA REGIA) Meas	0.9	756	< 1	37	58	254	2.94		80	8	0.40	19	45	5.23	< 10	0.49	35	0.064	0.37	4	18		< 20
OREAS 922 (AQUA REGIA) Cert	0.851	730	0.69	34.3	60	256	2.72		70	10.3	0.324	19.4	40.7	5.05	7.62	0.376	32.5	0.063	0.386	3.15	15.0		14.5
OREAS 922 (AQUA REGIA) Meas	1.4	756	< 1	32	58	255	2.89		82	7	0.40	19	45	5.05	< 10	0.50	34	0.062	0.36	4	18		< 20
OREAS 922 (AQUA REGIA) Cert	0.851	730	0.69	34.3	60	256	2.72		70	10.3	0.324	19.4	40.7	5.05	7.62	0.376	32.5	0.063	0.386	3.15	15.0		14.5
OREAS 923 (AQUA REGIA) Meas	1.9	854	< 1	34	82	338	2.80		80	19	0.41	21	43	5.74	< 10	0.39	31	0.058	0.65	4	15		< 20
OREAS 923 (AQUA REGIA) Cert	1.62	850	0.84	32.7	81	335	2.80		54	21.8	0.326	22.2	39.4	5.91	8.01	0.322	30.0	0.061	0.684	3.09	13.6		14.3
OREAS 923 (AQUA REGIA) Meas	2.4	871	< 1	32	90	354	2.77		75	20	0.41	21	44	5.75	< 10	0.36	31	0.059	0.67	4	15		< 20
OREAS 923 (AQUA REGIA) Cert	1.62	850	0.84	32.7	81	335	2.80		54	21.8	0.326	22.2	39.4	5.91	8.01	0.322	30.0	0.061	0.684	3.09	13.6		14.3
OREAS 923 (AQUA REGIA) Meas	1.6	894	< 1	31	82	346	2.82		65	18	0.40	22	43	6.03	< 10	0.39	33	0.061	0.67	4	14		< 20
OREAS 923 (AQUA REGIA) Cert	1.62	850	0.84	32.7	81	335	2.80		54	21.8	0.326	22.2	39.4	5.91	8.01	0.322	30.0	0.061	0.684	3.09	13.6		14.3
OREAS 923 (AQUA REGIA) Meas	2.0	907	< 1	31	86	350	2.87		68	20	0.41	22	44	6.04	< 10	0.41	33	0.062	0.67	4	14		< 20
OREAS 923 (AQUA REGIA) Cert	1.62	850	0.84	32.7	81	335	2.80		54	21.8	0.326	22.2	39.4	5.91	8.01	0.322	30.0	0.061	0.684	3.09	13.6		14.3
OREAS 923 (AQUA REGIA) Meas	1.8	879	< 1	33	79	331	2.85		64	17	0.40	22	43	6.01	< 10	0.40	33	0.062	0.66	4	14		< 20
OREAS 923 (AQUA REGIA) Cert	1.62	850	0.84	32.7	81	335	2.80		54	21.8	0.326	22.2	39.4	5.91	8.01	0.322	30.0	0.061	0.684	3.09	13.6		14.3

Analyte Symbol	Ag	Mn	Mo	Ni	Pb	Zn	Al	B	Ba	Bi	Ca	Co	Cr	Fe	Ga	K	La	P	S	Sc	Sr	Ti	Th
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm	%	ppm	ppm	%	ppm	
Lower Limit	0.2	5	1	1	2	2	0.01	10	10	2	0.01	1	1	0.01	10	0.01	10	0.001	0.01	1	1	0.01	20
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
OREAS 923 (AQUA REGIA) Meas	1.6	886	< 1	33	81	340	2.99		74	19	0.42	21	43	6.19	< 10	0.43	34	0.061	0.68	4	15		< 20
OREAS 923 (AQUA REGIA) Cert	1.62	850	0.84	32.7	81	335	2.80		54	21.8	0.326	22.2	39.4	5.91	8.01	0.322	30.0	0.061	0.684	3.09	13.6		14.3
OREAS 923 (AQUA REGIA) Meas	10.4	842	< 1	31	78	334	2.85		66	29	0.41	22	42	5.87	< 10	0.40	32	0.058	0.64	4	15		< 20
OREAS 923 (AQUA REGIA) Cert	1.62	850	0.84	32.7	81	335	2.80		54	21.8	0.326	22.2	39.4	5.91	8.01	0.322	30.0	0.061	0.684	3.09	13.6		14.3
OREAS 923 (AQUA REGIA) Meas	2.4	870	< 1	32	77	337	2.98		70	23	0.41	22	42	6.03	< 10	0.44	33	0.062	0.68	4	16		< 20
OREAS 923 (AQUA REGIA) Cert	1.62	850	0.84	32.7	81	335	2.80		54	21.8	0.326	22.2	39.4	5.91	8.01	0.322	30.0	0.061	0.684	3.09	13.6		14.3
OREAS 923 (AQUA REGIA) Meas	1.5	844	< 1	32	76	322	2.86		68	24	0.40	21	41	5.76	< 10	0.43	32	0.058	0.65	4	15		< 20
OREAS 923 (AQUA REGIA) Cert	1.62	850	0.84	32.7	81	335	2.80		54	21.8	0.326	22.2	39.4	5.91	8.01	0.322	30.0	0.061	0.684	3.09	13.6		14.3
Oreas 96 (Aqua Regia) Meas	11.2				93	425				45		46							3.79				
Oreas 96 (Aqua Regia) Cert	11.50				100	448				27.9		49.2							4.38				
Oreas 96 (Aqua Regia) Meas	11.0				89	419				52		45							3.66				
Oreas 96 (Aqua Regia) Cert	11.50				100	448				27.9		49.2							4.38				
Oreas 96 (Aqua Regia) Meas	10.6				90	431				19		47							3.84				
Oreas 96 (Aqua Regia) Cert	11.50				100	448				27.9		49.2							4.38				
Oreas 96 (Aqua Regia) Meas	10.4				89	425				< 2		46							3.74				
Oreas 96 (Aqua Regia) Cert	11.50				100	448				27.9		49.2							4.38				
Oreas 96 (Aqua Regia) Meas	10.7				88	412				6		46							3.90				
Oreas 96 (Aqua Regia) Cert	11.50				100	448				27.9		49.2							4.38				
Oreas 96 (Aqua Regia) Meas	10.7				88	422				79		48							3.97				
Oreas 96 (Aqua Regia) Cert	11.50				100	448				27.9		49.2							4.38				
Oreas 96 (Aqua Regia) Meas	10.3				86	410				82		47							3.76				
Oreas 96 (Aqua Regia) Cert	11.50				100	448				27.9		49.2							4.38				
Oreas 621 (Aqua Regia) Meas	73.1	535	14	26	> 5000	> 10000	1.74			5	1.63	33	34	3.33	10	0.35	18	0.034	4.65	2	20		< 20
Oreas 621 (Aqua Regia) Cert	68.0	520	13.3	25.8	13600	51700	1.60			3.85	1.65	27.9	31.3	3.43	9.29	0.333	19.4	0.0335	4.50	2.20	18.9		5.91
Oreas 621 (Aqua Regia) Meas	69.1	513	13	24	> 5000	> 10000	1.63			7	1.56	31	30	3.13	10	0.32	17	0.031	4.36	2	19		< 20
Oreas 621 (Aqua Regia) Cert	68.0	520	13.3	25.8	13600	51700	1.60			3.85	1.65	27.9	31.3	3.43	9.29	0.333	19.4	0.0335	4.50	2.20	18.9		5.91

Analyte Symbol	Ag	Mn	Mo	Ni	Pb	Zn	Al	B	Ba	Bi	Ca	Co	Cr	Fe	Ga	K	La	P	S	Sc	Sr	Ti	Th
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm	%	ppm	ppm	%	ppm	
Lower Limit	0.2	5	1	1	2	2	0.01	10	10	2	0.01	1	1	0.01	10	0.01	10	0.001	0.01	1	1	0.01	20
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Oreas 621 (Aqua Regia) Meas	67.3	535	13	25	> 5000	> 10000	1.67			< 2	1.61	30	31	3.35	< 10	0.35	18	0.034	4.43	2	17		< 20
Oreas 621 (Aqua Regia) Cert	68.0	520	13.3	25.8	13600	51700	1.60			3.85	1.65	27.9	31.3	3.43	9.29	0.333	19.4	0.0335	4.50	2.20	18.9		5.91
Oreas 621 (Aqua Regia) Meas	66.9	535	13	25	> 5000	> 10000	1.67			< 2	1.61	29	30	3.33	< 10	0.35	18	0.034	4.34	3	17		< 20
Oreas 621 (Aqua Regia) Cert	68.0	520	13.3	25.8	13600	51700	1.60			3.85	1.65	27.9	31.3	3.43	9.29	0.333	19.4	0.0335	4.50	2.20	18.9		5.91
Oreas 621 (Aqua Regia) Meas	68.2	528	13	25	> 5000	> 10000	1.72			< 2	1.62	30	30	3.37	10	0.36	18	0.033	4.48	3	17		< 20
Oreas 621 (Aqua Regia) Cert	68.0	520	13.3	25.8	13600	51700	1.60			3.85	1.65	27.9	31.3	3.43	9.29	0.333	19.4	0.0335	4.50	2.20	18.9		5.91
Oreas 621 (Aqua Regia) Meas	68.1	546	13	27	> 5000	> 10000	1.85			7	1.64	32	35	3.53	10	0.38	19	0.035	4.58	2	20		< 20
Oreas 621 (Aqua Regia) Cert	68.0	520	13.3	25.8	13600	51700	1.60			3.85	1.65	27.9	31.3	3.43	9.29	0.333	19.4	0.0335	4.50	2.20	18.9		5.91
Oreas 621 (Aqua Regia) Meas	65.3	527	13	25	> 5000	> 10000	1.79			8	1.60	31	32	3.37	10	0.38	19	0.034	4.40	2	21		< 20
Oreas 621 (Aqua Regia) Cert	68.0	520	13.3	25.8	13600	51700	1.60			3.85	1.65	27.9	31.3	3.43	9.29	0.333	19.4	0.0335	4.50	2.20	18.9		5.91
Oreas 621 (Aqua Regia) Meas	66.1	515	13	27	> 5000	> 10000	1.76			7	1.57	29	35	3.30	< 10	0.38	18	0.033	4.27	2	21		< 20
Oreas 621 (Aqua Regia) Cert	68.0	520	13.3	25.8	13600	51700	1.60			3.85	1.65	27.9	31.3	3.43	9.29	0.333	19.4	0.0335	4.50	2.20	18.9		5.91
Oreas 621 (Aqua Regia) Meas	67.3	522	13	25	> 5000	> 10000	1.78			6	1.60	30	32	3.34	10	0.38	18	0.034	4.46	2	20		< 20
Oreas 621 (Aqua Regia) Cert	68.0	520	13.3	25.8	13600	51700	1.60			3.85	1.65	27.9	31.3	3.43	9.29	0.333	19.4	0.0335	4.50	2.20	18.9		5.91
Oreas 621 (Aqua Regia) Meas	65.1	512	13	23	> 5000	> 10000	1.71			8	1.53	31	27	3.23	10	0.37	18	0.032	4.40	2	20		< 20
Oreas 621 (Aqua Regia) Cert	68.0	520	13.3	25.8	13600	51700	1.60			3.85	1.65	27.9	31.3	3.43	9.29	0.333	19.4	0.0335	4.50	2.20	18.9		5.91
OREAS 45f (Aqua Regia) Meas		174	1	222	8	29	7.01		141	< 2	0.07	38	362	13.8	20	0.11	10	0.021	0.02	31	14	0.12	< 20
OREAS 45f (Aqua Regia) Cert		150	1.19	192	12.4	22.2	4.81		158	0.170	0.0750	39.2	341	13.7	20.3	0.0820	10.7	0.0220	0.0270	31.4	13.2	0.0970	7.67
OREAS 45f (Aqua Regia) Meas		169	< 1	221	8	32	6.92		141	< 2	0.07	39	358	13.6	20	0.11	10	0.021	0.02	31	14	0.11	< 20
OREAS 45f (Aqua Regia) Cert		150	1.19	192	12.4	22.2	4.81		158	0.170	0.0750	39.2	341	13.7	20.3	0.0820	10.7	0.0220	0.0270	31.4	13.2	0.0970	7.67
OREAS 45f (Aqua Regia) Meas		170	1	232	8	29	7.28		144	< 2	0.07	39	353	14.2	20	0.11	11	0.022	0.02	30	14	0.12	< 20
OREAS 45f (Aqua Regia) Cert		150	1.19	192	12.4	22.2	4.81		158	0.170	0.0750	39.2	341	13.7	20.3	0.0820	10.7	0.0220	0.0270	31.4	13.2	0.0970	7.67
OREAS 45f (Aqua Regia) Meas		167	< 1	233	10	27	7.26		139	< 2	0.07	39	345	13.7	20	0.10	10	0.020	0.02	27	16	0.10	< 20
OREAS 45f (Aqua Regia) Cert		150	1.19	192	12.4	22.2	4.81		158	0.170	0.0750	39.2	341	13.7	20.3	0.0820	10.7	0.0220	0.0270	31.4	13.2	0.0970	7.67
OREAS 45f (Aqua Regia) Meas		168	< 1	234	7	26	7.47		135	< 2	0.07	40	339	14.0	20	0.11	10	0.021	0.02	30	17	0.11	< 20
OREAS 45f (Aqua Regia) Cert		150	1.19	192	12.4	22.2	4.81		158	0.170	0.0750	39.2	341	13.7	20.3	0.0820	10.7	0.0220	0.0270	31.4	13.2	0.0970	7.67
OREAS 45f (Aqua Regia) Meas		168	< 1	228	9	26	7.45		139	3	0.07	39	342	13.9	20	0.11	10	0.021	0.02	29	16	0.10	< 20
OREAS 45f (Aqua Regia) Cert		150	1.19	192	12.4	22.2	4.81		158	0.170	0.0750	39.2	341	13.7	20.3	0.0820	10.7	0.0220	0.0270	31.4	13.2	0.0970	7.67
OREAS 45f (Aqua Regia) Meas		174	< 1	226	12	26	7.46		138	2	0.07	37	336	13.7	20	0.11	11	0.021	0.02	29	16	0.14	< 20

Analyte Symbol	Ag	Mn	Mo	Ni	Pb	Zn	Al	B	Ba	Bi	Ca	Co	Cr	Fe	Ga	K	La	P	S	Sc	Sr	Ti	Th
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm	%	ppm	ppm	%	ppm	
Lower Limit	0.2	5	1	1	2	2	0.01	10	10	2	0.01	1	1	0.01	10	0.01	10	0.001	0.01	1	1	0.01	20
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	
OREAS 45f (Aqua Regia) Cert		150	1.19	192	12.4	22.2	4.81		158	0.170	0.0750	39.2	341	13.7	20.3	0.0820	10.7	0.0220	0.0270	31.4	13.2	0.0970	7.67
B411463 Orig	< 0.2	498	< 1	334	< 2	61	2.53	< 10	350	< 2	2.88	29	898	2.95	< 10	0.98	33	0.166	< 0.01	5	100	0.13	< 20
B411463 Dup	< 0.2	498	< 1	334	< 2	61	2.56	< 10	350	< 2	2.88	29	903	2.99	< 10	0.99	33	0.165	< 0.01	5	101	0.14	< 20
B411477 Orig	< 0.2	288	< 1	30	2	53	1.18	< 10	154	< 2	0.93	13	47	2.17	< 10	0.62	21	0.072	0.03	4	40	0.13	< 20
B411477 Dup	< 0.2	298	1	31	2	52	1.20	< 10	155	< 2	0.94	12	50	2.24	< 10	0.63	21	0.073	0.03	4	41	0.13	< 20
B411490 Orig	0.3	80	< 1	8	40	57	1.33	29	79	< 2	> 10.0	2	19	1.20	< 10	0.06	< 10	0.015	0.45	2	325	0.05	< 20
B411490 Dup	0.3	78	< 1	8	39	57	1.31	29	91	< 2	> 10.0	1	18	1.18	< 10	0.06	< 10	0.015	0.46	2	321	0.05	< 20
B411493 Orig	0.2	649	1390	28	< 2	45	2.00	< 10	22	< 2	2.63	32	13	5.80	< 10	0.18	< 10	0.046	0.36	16	18	0.21	< 20
B411493 Split PREP DUP	0.2	662	1480	29	< 2	46	2.05	< 10	24	< 2	2.67	31	13	5.97	< 10	0.18	< 10	0.045	0.38	16	19	0.21	< 20
B411503 Orig	< 0.2	683	12	21	< 2	38	1.96	12	< 10	< 2	2.09	32	11	6.39	< 10	0.10	< 10	0.043	0.15	19	11	0.17	< 20
B411503 Dup	< 0.2	705	11	22	< 2	41	2.03	12	< 10	< 2	2.17	32	11	6.64	< 10	0.11	< 10	0.044	0.16	20	11	0.19	< 20
B411619 Orig	0.6	798	< 1	65	< 2	67	2.17	< 10	< 10	< 2	3.65	40	83	5.92	< 10	0.07	< 10	0.034	0.23	10	30	0.18	< 20
B411619 Dup	0.7	811	< 1	67	< 2	68	2.19	< 10	< 10	< 2	3.68	41	84	6.01	< 10	0.07	< 10	0.035	0.24	10	30	0.19	< 20
B411633 Orig	0.3	723	< 1	63	< 2	49	1.59	< 10	21	< 2	2.96	31	150	4.96	< 10	0.12	< 10	0.035	0.12	11	19	0.18	< 20
B411633 Dup	0.3	719	< 1	61	< 2	50	1.58	< 10	21	< 2	2.96	31	150	4.93	< 10	0.12	< 10	0.034	0.12	11	19	0.18	< 20
B411643 Orig	0.2	1140	2	66	3	80	2.84	< 10	112	2	3.17	29	69	8.64	10	0.64	50	0.037	0.53	12	45	0.15	< 20
B411643 Split PREP DUP	< 0.2	1120	1	67	5	77	2.82	< 10	110	2	3.19	29	69	8.44	10	0.65	90	0.044	0.51	12	48	0.14	< 20
B411645 Orig	< 0.2	542	20	57	< 2	27	0.84	< 10	34	< 2	3.34	18	88	2.56	< 10	0.12	< 10	0.019	0.02	6	51	0.14	< 20
B411645 Dup	0.2	524	16	55	< 2	29	0.80	< 10	33	< 2	3.22	18	83	2.44	< 10	0.12	< 10	0.019	0.02	6	50	0.14	< 20
B411659 Orig	1.7	574	21	72	3	45	1.15	< 10	52	< 2	2.46	28	136	3.49	< 10	0.23	< 10	0.022	0.17	8	22	0.16	< 20
B411659 Dup	2.0	600	17	74	2	45	1.17	< 10	54	< 2	2.50	28	140	3.59	< 10	0.23	< 10	0.022	0.17	8	23	0.18	< 20
B411682 Orig	0.5	925	69	25	< 2	52	3.76	< 10	36	< 2	2.71	39	9	7.24	10	0.42	< 10	0.049	0.36	22	45	0.17	< 20
B411682 Dup	0.4	943	68	26	< 2	53	3.83	< 10	37	< 2	2.76	39	9	7.37	10	0.42	< 10	0.049	0.36	22	47	0.17	< 20
B411693 Orig	0.6	386	10	71	2	28	2.28	< 10	107	< 2	2.18	23	160	2.96	< 10	0.56	23	0.105	0.26	9	134	0.22	< 20
B411693 Split PREP DUP	0.5	395	11	73	2	29	2.33	< 10	113	< 2	2.22	22	169	3.00	< 10	0.58	24	0.110	0.25	9	137	0.23	< 20
B411695 Orig	0.8	566	55	74	< 2	41	1.97	< 10	< 10	< 2	2.05	40	75	4.32	< 10	0.11	< 10	0.026	0.48	12	32	0.25	< 20
B411695 Dup	0.8	554	49	71	< 2	39	1.94	< 10	< 10	< 2	2.02	39	74	4.24	< 10	0.10	< 10	0.026	0.46	12	31	0.24	< 20
Method Blank	< 0.2	< 5	< 1	< 1	< 2	< 2	< 0.01	< 10	< 10	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 0.01	< 10	< 0.001	< 0.01	< 1	< 1	< 0.01	< 20
Method Blank	< 0.2	< 5	< 1	< 1	< 2	< 2	< 0.01	< 10	< 10	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 0.01	< 10	< 0.001	< 0.01	< 1	< 1	< 0.01	< 20
Method Blank	< 0.2	< 5	< 1	< 1	< 2	< 2	< 0.01	< 10	< 10	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 0.01	< 10	< 0.001	< 0.01	< 1	< 1	< 0.01	< 20
Method Blank	< 0.2	< 5	< 1	< 1	< 2	< 2	< 0.01	< 10	< 10	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 0.01	< 10	< 0.001	< 0.01	< 1	< 1	< 0.01	< 20
Method Blank	< 0.2	< 5	< 1	< 1	< 2	< 2	< 0.01	< 10	< 10	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 0.01	< 10	< 0.001	< 0.01	< 1	< 1	< 0.01	< 20
Method Blank	< 0.2	< 5	< 1	< 1	< 2	< 2	< 0.01	< 10	< 10	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 0.01	< 10	< 0.001	< 0.01	< 1	< 1	< 0.01	< 20
Method Blank	< 0.2	< 5	< 1	< 1	< 2	< 2	< 0.01	< 10	< 10	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 0.01	< 10	< 0.001	< 0.01	< 1	< 1	< 0.01	< 20
Method Blank	< 0.2	< 5	< 1	< 1	< 2	< 2	< 0.01	< 10	< 10	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 0.01	< 10	< 0.001	< 0.01	< 1	< 1	< 0.01	< 20
Method Blank	< 0.2	< 5	< 1	< 1	< 2	< 2	< 0.01	< 10	< 10	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 0.01	< 10	< 0.001	< 0.01	< 1	< 1	< 0.01	< 20
Method Blank	< 0.2	< 5	< 1	< 1	< 2	< 2	< 0.01	< 10	< 10	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 0.01	< 10	< 0.001	< 0.01	< 1	< 1	< 0.01	< 20
Method Blank	< 0.2	< 5	< 1	< 1	< 2	< 2	< 0.01	< 10	< 10	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 0.01	< 10	< 0.001	< 0.01	< 1	< 1	< 0.01	< 20
Method Blank	< 0.2	< 5	< 1	< 1	< 2	< 2	< 0.01	< 10	< 10	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 0.01	< 10	< 0.001	< 0.01	< 1	< 1	< 0.01	< 20
Method Blank	< 0.2	< 5	< 1	< 1	< 2	< 2	< 0.01	< 10	< 10	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 0.01	< 10	< 0.001	< 0.01	< 1	< 1	< 0.01	< 20
Method Blank	< 0.2	< 5	< 1	< 1	< 2	< 2	< 0.01	< 10	< 10	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 0.01	< 10	< 0.001	< 0.01	< 1	< 1	< 0.01	< 20
Method Blank	< 0.2	< 5	< 1	< 1	< 2	< 2	< 0.01	< 10	< 10	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 0.01	< 10	< 0.001	< 0.01	< 1	< 1	< 0.01	< 20
Method Blank	< 0.2	< 5	< 1	< 1	< 2	< 2	< 0.01	< 10	< 10	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 0.01	< 10	< 0.001	< 0.01	< 1	< 1	< 0.01	< 20
Method Blank	< 0.2	< 5	< 1	< 1	< 2	< 2	< 0.01	< 10	< 10	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 0.01	< 10	< 0.001	< 0.01	< 1	< 1	< 0.01	< 20
Method Blank	< 0.2	< 5	< 1	< 1	< 2	< 2	< 0.01	< 10	< 10	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 0.01	< 10	< 0.001	< 0.01	< 1	< 1	< 0.01	< 20

Analyte Symbol	U	V	Y	Cd	Cu	As	Be	Hg	Mg	Na	Sb	Te	Tl	W	Zr
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm
Lower Limit	10	1	1	0.5	1	2	0.5	1	0.01	0.001	2	1	2	10	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas	< 10	167	4	< 0.5	71	227	0.9	2	0.40	0.133	2	< 1	< 2	< 10	5
GXR-6 Cert	1.54	186	14.0	1.00	66.0	330	1.40	0.0680	0.609	0.104	3.60	0.0180	2.20	1.90	110
GXR-6 Meas	< 10	172	4	< 0.5	70	243	0.9	1	0.40	0.133	4	< 1	< 2	< 10	7
GXR-6 Cert	1.54	186	14.0	1.00	66.0	330	1.40	0.0680	0.609	0.104	3.60	0.0180	2.20	1.90	110
GXR-6 Meas	< 10	169	5	< 0.5	68	249	0.9	< 1	0.39	0.065	6	< 1	< 2	< 10	10
GXR-6 Cert	1.54	186	14.0	1.00	66.0	330	1.40	0.0680	0.609	0.104	3.60	0.0180	2.20	1.90	110
GXR-6 Meas	< 10	168	5	< 0.5	67	239	0.9	< 1	0.38	0.066	6	< 1	< 2	< 10	8
GXR-6 Cert	1.54	186	14.0	1.00	66.0	330	1.40	0.0680	0.609	0.104	3.60	0.0180	2.20	1.90	110
GXR-6 Meas	< 10	169	5	< 0.5	70	240	0.9	< 1	0.40	0.068	6	< 1	3	< 10	7
GXR-6 Cert	1.54	186	14.0	1.00	66.0	330	1.40	0.0680	0.609	0.104	3.60	0.0180	2.20	1.90	110
GXR-6 Meas	< 10	163	5	< 0.5	65	214	0.9	< 1	0.38	0.138	3	< 1	< 2	< 10	7
GXR-6 Cert	1.54	186	14.0	1.00	66.0	330	1.40	0.0680	0.609	0.104	3.60	0.0180	2.20	1.90	110
GXR-6 Meas	< 10	161	5	< 0.5	67	198	0.9	2	0.39	0.138	2	< 1	< 2	< 10	4
GXR-6 Cert	1.54	186	14.0	1.00	66.0	330	1.40	0.0680	0.609	0.104	3.60	0.0180	2.20	1.90	110
GXR-6 Meas	< 10	165	5	0.5	71	239	0.9	1	0.40	0.116	3	3	< 2	< 10	7
GXR-6 Cert	1.54	186	14.0	1.00	66.0	330	1.40	0.0680	0.609	0.104	3.60	0.0180	2.20	1.90	110
GXR-6 Meas	< 10	166	5	< 0.5	70	231	0.9	2	0.40	0.125	2	< 1	< 2	< 10	6
GXR-6 Cert	1.54	186	14.0	1.00	66.0	330	1.40	0.0680	0.609	0.104	3.60	0.0180	2.20	1.90	110
GXR-6 Meas	< 10	168	5	< 0.5	69	239	0.9	1	0.40	0.126	4	< 1	< 2	< 10	8
GXR-6 Cert	1.54	186	14.0	1.00	66.0	330	1.40	0.0680	0.609	0.104	3.60	0.0180	2.20	1.90	110
OREAS 98 (Aqua Regia) Meas					> 10000						18				
OREAS 98 (Aqua Regia) Cert					147000						15				
OREAS 98 (Aqua Regia) Meas					> 10000						16				
OREAS 98 (Aqua Regia) Cert					147000						15				
OREAS 922 (AQUA REGIA) Meas	< 10	36	16	< 0.5	2200	6	0.8		1.37	0.031	3		< 2	< 10	16
OREAS 922 (AQUA REGIA) Cert	1.98	29.4	16.0	0.28	2176	6.12	0.65		1.33	0.021	0.57		0.14	1.12	22.3
OREAS 922 (AQUA REGIA) Meas	< 10	35	15	< 0.5	2190	6	0.7		1.34	0.030	< 2		< 2	< 10	17
OREAS 922 (AQUA REGIA) Cert	1.98	29.4	16.0	0.28	2176	6.12	0.65		1.33	0.021	0.57		0.14	1.12	22.3
OREAS 922 (AQUA REGIA) Meas	< 10	35	19	< 0.5	2250	6	0.7		1.35	0.025	3		< 2	< 10	16
OREAS 922 (AQUA REGIA) Cert	1.98	29.4	16.0	0.28	2176	6.12	0.65		1.33	0.021	0.57		0.14	1.12	22.3
OREAS 922 (AQUA REGIA) Meas	< 10	36	20	< 0.5	2240	8	0.8		1.34	0.027	4		< 2	< 10	19
OREAS 922 (AQUA REGIA) Cert	1.98	29.4	16.0	0.28	2176	6.12	0.65		1.33	0.021	0.57		0.14	1.12	22.3
OREAS 922 (AQUA REGIA) Meas	< 10	36	21	< 0.5	2320	6	0.8		1.37	0.025	4		< 2	< 10	11
OREAS 922 (AQUA REGIA) Cert	1.98	29.4	16.0	0.28	2176	6.12	0.65		1.33	0.021	0.57		0.14	1.12	22.3

Analyte Symbol	U	V	Y	Cd	Cu	As	Be	Hg	Mg	Na	Sb	Te	Tl	W	Zr
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm
Lower Limit	10	1	1	0.5	1	2	0.5	1	0.01	0.001	2	1	2	10	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Cert															
OREAS 922 (AQUA REGIA) Meas	< 10	37	20	< 0.5	2210	4	0.8		1.35	0.029	3		< 2	< 10	16
OREAS 922 (AQUA REGIA) Cert	1.98	29.4	16.0	0.28	2176	6.12	0.65		1.33	0.021	0.57		0.14	1.12	22.3
OREAS 922 (AQUA REGIA) Meas	< 10	34	19	< 0.5	2100	5	0.7		1.30	0.030	2		< 2	< 10	8
OREAS 922 (AQUA REGIA) Cert	1.98	29.4	16.0	0.28	2176	6.12	0.65		1.33	0.021	0.57		0.14	1.12	22.3
OREAS 922 (AQUA REGIA) Meas	< 10	33	19	< 0.5	2250	5	0.7		1.37	0.026	< 2		< 2	< 10	17
OREAS 922 (AQUA REGIA) Cert	1.98	29.4	16.0	0.28	2176	6.12	0.65		1.33	0.021	0.57		0.14	1.12	22.3
OREAS 922 (AQUA REGIA) Meas	< 10	35	20	< 0.5	2270	5	0.8		1.38	0.029	3		< 2	< 10	13
OREAS 922 (AQUA REGIA) Cert	1.98	29.4	16.0	0.28	2176	6.12	0.65		1.33	0.021	0.57		0.14	1.12	22.3
OREAS 922 (AQUA REGIA) Meas	< 10	36	20	< 0.5	2210	4	0.8		1.34	0.028	3		< 2	< 10	22
OREAS 922 (AQUA REGIA) Cert	1.98	29.4	16.0	0.28	2176	6.12	0.65		1.33	0.021	0.57		0.14	1.12	22.3
OREAS 923 (AQUA REGIA) Meas	< 10	35	15	< 0.5	4320	6	0.7		1.43		3		< 2	< 10	14
OREAS 923 (AQUA REGIA) Cert	1.80	30.6	14.3	0.40	4248	7.07	0.61		1.43		0.58		0.12	1.96	22.5
OREAS 923 (AQUA REGIA) Meas	< 10	35	14	< 0.5	4330	4	0.7		1.45		< 2		< 2	< 10	25
OREAS 923 (AQUA REGIA) Cert	1.80	30.6	14.3	0.40	4248	7.07	0.61		1.43		0.58		0.12	1.96	22.5
OREAS 923 (AQUA REGIA) Meas	< 10	35	18	< 0.5	4420	7	0.7		1.45		4		< 2	< 10	22
OREAS 923 (AQUA REGIA) Cert	1.80	30.6	14.3	0.40	4248	7.07	0.61		1.43		0.58		0.12	1.96	22.5
OREAS 923 (AQUA REGIA) Meas	< 10	36	19	< 0.5	4430	8	0.7		1.46		4		< 2	< 10	25
OREAS 923 (AQUA REGIA) Cert	1.80	30.6	14.3	0.40	4248	7.07	0.61		1.43		0.58		0.12	1.96	22.5
OREAS 923 (AQUA REGIA) Meas	< 10	35	18	0.6	4420	8	0.7		1.44		< 2		< 2	< 10	19
OREAS 923 (AQUA REGIA) Cert	1.80	30.6	14.3	0.40	4248	7.07	0.61		1.43		0.58		0.12	1.96	22.5

Analyte Symbol	U	V	Y	Cd	Cu	As	Be	Hg	Mg	Na	Sb	Te	Tl	W	Zr
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm
Lower Limit	10	1	1	0.5	1	2	0.5	1	0.01	0.001	2	1	2	10	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
OREAS 923 (AQUA REGIA) Meas	< 10	37	19	< 0.5	4450	8	0.7		1.47		2		< 2	< 10	24
OREAS 923 (AQUA REGIA) Cert	1.80	30.6	14.3	0.40	4248	7.07	0.61		1.43		0.58		0.12	1.96	22.5
OREAS 923 (AQUA REGIA) Meas	< 10	35	17	< 0.5	4210	4	0.7		1.40		< 2		< 2	< 10	19
OREAS 923 (AQUA REGIA) Cert	1.80	30.6	14.3	0.40	4248	7.07	0.61		1.43		0.58		0.12	1.96	22.5
OREAS 923 (AQUA REGIA) Meas	< 10	36	19	< 0.5	4520	8	0.7		1.48		2		< 2	< 10	25
OREAS 923 (AQUA REGIA) Cert	1.80	30.6	14.3	0.40	4248	7.07	0.61		1.43		0.58		0.12	1.96	22.5
OREAS 923 (AQUA REGIA) Meas	< 10	35	18	< 0.5	4270	7	0.7		1.41		< 2		< 2	< 10	27
OREAS 923 (AQUA REGIA) Cert	1.80	30.6	14.3	0.40	4248	7.07	0.61		1.43		0.58		0.12	1.96	22.5
Oreas 96 (Aqua Regia) Meas					> 10000						7				
Oreas 96 (Aqua Regia) Cert					39100.00						4.53				
Oreas 96 (Aqua Regia) Meas					> 10000						5				
Oreas 96 (Aqua Regia) Cert					39100.00						4.53				
Oreas 96 (Aqua Regia) Meas					> 10000						6				
Oreas 96 (Aqua Regia) Cert					39100.00						4.53				
Oreas 96 (Aqua Regia) Meas					> 10000						8				
Oreas 96 (Aqua Regia) Cert					39100.00						4.53				
Oreas 96 (Aqua Regia) Meas					> 10000						7				
Oreas 96 (Aqua Regia) Cert					39100.00						4.53				
Oreas 96 (Aqua Regia) Meas					> 10000						6				
Oreas 96 (Aqua Regia) Cert					39100.00						4.53				
Oreas 96 (Aqua Regia) Meas					> 10000						6				
Oreas 96 (Aqua Regia) Cert					39100.00						4.53				
Oreas 621 (Aqua Regia) Meas	< 10	13	6	290	3610	79	0.6	4	0.44	0.155	110		< 2	< 10	71
Oreas 621 (Aqua Regia) Cert	1.63	10.9	6.87	278	3660	75.0	0.530	3.93	0.436	0.160	107		0.770	1.00	55.0
Oreas 621 (Aqua Regia) Meas	< 10	12	5	274	3420	74	0.6	4	0.42	0.145	102		< 2	< 10	62
Oreas 621 (Aqua Regia) Cert	1.63	10.9	6.87	278	3660	75.0	0.530	3.93	0.436	0.160	107		0.770	1.00	55.0



Analyte Symbol	U	V	Y	Cd	Cu	As	Be	Hg	Mg	Na	Sb	Te	Tl	W	Zr
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm
Lower Limit	10	1	1	0.5	1	2	0.5	1	0.01	0.001	2	1	2	10	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Oreas 621 (Aqua Regia) Meas	< 10	13	7	291	3560	79	0.6	4	0.43	0.164	104		5	< 10	65
Oreas 621 (Aqua Regia) Cert	1.63	10.9	6.87	278	3660	75.0	0.530	3.93	0.436	0.160	107		0.770	1.00	55.0
Oreas 621 (Aqua Regia) Meas	< 10	13	7	287	3510	79	0.6	4	0.43	0.166	107		< 2	< 10	68
Oreas 621 (Aqua Regia) Cert	1.63	10.9	6.87	278	3660	75.0	0.530	3.93	0.436	0.160	107		0.770	1.00	55.0
Oreas 621 (Aqua Regia) Meas	< 10	13	7	284	3580	80	0.6	4	0.44	0.170	102		< 2	< 10	57
Oreas 621 (Aqua Regia) Cert	1.63	10.9	6.87	278	3660	75.0	0.530	3.93	0.436	0.160	107		0.770	1.00	55.0
Oreas 621 (Aqua Regia) Meas	< 10	13	7	293	3630	80	0.6	4	0.44	0.164	120		< 2	< 10	71
Oreas 621 (Aqua Regia) Cert	1.63	10.9	6.87	278	3660	75.0	0.530	3.93	0.436	0.160	107		0.770	1.00	55.0
Oreas 621 (Aqua Regia) Meas	< 10	13	7	283	3500	74	0.6	4	0.43	0.159	106		< 2	< 10	67
Oreas 621 (Aqua Regia) Cert	1.63	10.9	6.87	278	3660	75.0	0.530	3.93	0.436	0.160	107		0.770	1.00	55.0
Oreas 621 (Aqua Regia) Meas	< 10	12	7	276	3590	78	0.6	4	0.43	0.136	104		< 2	< 10	61
Oreas 621 (Aqua Regia) Cert	1.63	10.9	6.87	278	3660	75.0	0.530	3.93	0.436	0.160	107		0.770	1.00	55.0
Oreas 621 (Aqua Regia) Meas	< 10	12	7	283	3650	81	0.6	4	0.44	0.142	103		< 2	< 10	63
Oreas 621 (Aqua Regia) Cert	1.63	10.9	6.87	278	3660	75.0	0.530	3.93	0.436	0.160	107		0.770	1.00	55.0
Oreas 621 (Aqua Regia) Meas	< 10	12	7	278	3490	77	0.6	3	0.42	0.140	103		< 2	< 10	61
Oreas 621 (Aqua Regia) Cert	1.63	10.9	6.87	278	3660	75.0	0.530	3.93	0.436	0.160	107		0.770	1.00	55.0
OREAS 45f (Aqua Regia) Meas	< 10	207	5		352		1.1	< 1	0.18	0.038			< 2		18
OREAS 45f (Aqua Regia) Cert	1.09	217	6.74		336		0.980	0.0310	0.152	0.0320			0.120		30.0
OREAS 45f (Aqua Regia) Meas	< 10	202	5		342		1.1	2	0.18	0.040			< 2		13
OREAS 45f (Aqua Regia) Cert	1.09	217	6.74		336		0.980	0.0310	0.152	0.0320			0.120		30.0
OREAS 45f (Aqua Regia) Meas	< 10	203	5		355		1.1	2	0.18	0.040			< 2		14
OREAS 45f (Aqua Regia) Cert	1.09	217	6.74		336		0.980	0.0310	0.152	0.0320			0.120		30.0
OREAS 45f (Aqua Regia) Meas	< 10	190	5		337		1.0	< 1	0.17	0.047			< 2		8
OREAS 45f (Aqua Regia) Cert	1.09	217	6.74		336		0.980	0.0310	0.152	0.0320			0.120		30.0
OREAS 45f (Aqua Regia) Meas	< 10	200	5		350		1.1	< 1	0.18	0.043			< 2		13
OREAS 45f (Aqua Regia) Cert	1.09	217	6.74		336		0.980	0.0310	0.152	0.0320			0.120		30.0
OREAS 45f (Aqua Regia) Meas	< 10	199	5		350		1.0	< 1	0.18	0.045			2		10
OREAS 45f (Aqua Regia) Cert	1.09	217	6.74		336		0.980	0.0310	0.152	0.0320			0.120		30.0
OREAS 45f (Aqua Regia) Meas	< 10	203	5		344		1.0	< 1	0.18	0.043			< 2		18

Analyte Symbol	U	V	Y	Cd	Cu	As	Be	Hg	Mg	Na	Sb	Te	Tl	W	Zr
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm
Lower Limit	10	1	1	0.5	1	2	0.5	1	0.01	0.001	2	1	2	10	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
OREAS 45f (Aqua Regia) Cert	1.09	217	6.74		336		0.980	0.0310	0.152	0.0320			0.120		30.0
B411463 Orig	< 10	56	5	< 0.5	< 1	8	< 0.5	< 1	3.57	0.091	3	< 1	< 2	< 10	3
B411463 Dup	< 10	56	5	< 0.5	< 1	7	< 0.5	< 1	3.58	0.090	3	2	< 2	< 10	3
B411477 Orig	< 10	46	5	< 0.5	23	16	< 0.5	< 1	1.00	0.142	< 2	3	< 2	< 10	5
B411477 Dup	< 10	47	5	< 0.5	23	15	< 0.5	< 1	1.01	0.143	< 2	1	< 2	< 10	5
B411490 Orig	< 10	32	5	< 0.5	11	6	< 0.5	< 1	1.59	0.031	< 2	< 1	2	< 10	9
B411490 Dup	< 10	31	5	< 0.5	11	6	< 0.5	< 1	1.56	0.034	< 2	< 1	< 2	< 10	10
B411493 Orig	< 10	166	11	< 0.5	151	5	< 0.5	2	1.72	0.178	< 2	1	< 2	< 10	20
B411493 Split PREP DUP	< 10	170	11	< 0.5	149	4	< 0.5	1	1.77	0.187	< 2	< 1	< 2	< 10	18
B411503 Orig	< 10	177	12	< 0.5	100	9	< 0.5	< 1	1.79	0.200	4	3	< 2	< 10	10
B411503 Dup	< 10	184	12	< 0.5	103	9	< 0.5	1	1.86	0.211	3	1	< 2	< 10	12
B411619 Orig	< 10	103	7	< 0.5	497	31	< 0.5	< 1	1.92	0.175	2	< 1	< 2	< 10	6
B411619 Dup	< 10	105	7	< 0.5	499	34	< 0.5	1	1.95	0.177	2	1	< 2	< 10	7
B411633 Orig	< 10	93	7	< 0.5	323	6	< 0.5	< 1	1.72	0.203	< 2	< 1	< 2	< 10	5
B411633 Dup	< 10	94	7	< 0.5	315	7	< 0.5	< 1	1.71	0.204	< 2	< 1	< 2	< 10	5
B411643 Orig	11	114	11	< 0.5	109	< 2	< 0.5	< 1	3.45	0.125	3	< 1	< 2	< 10	8
B411643 Split PREP DUP	< 10	114	12	< 0.5	113	< 2	< 0.5	< 1	3.38	0.129	3	< 1	< 2	< 10	6
B411645 Orig	< 10	51	3	< 0.5	74	< 2	< 0.5	< 1	1.53	0.086	< 2	< 1	< 2	< 10	5
B411645 Dup	< 10	48	3	< 0.5	73	< 2	< 0.5	< 1	1.45	0.082	< 2	1	< 2	< 10	5
B411659 Orig	< 10	67	4	< 0.5	130	< 2	< 0.5	< 1	1.57	0.128	< 2	1	< 2	< 10	7
B411659 Dup	< 10	69	5	< 0.5	132	2	< 0.5	< 1	1.59	0.134	< 2	< 1	< 2	< 10	8
B411682 Orig	< 10	204	16	< 0.5	74	33	< 0.5	< 1	1.85	0.335	< 2	< 1	< 2	< 10	9
B411682 Dup	< 10	208	16	< 0.5	75	28	< 0.5	2	1.87	0.342	< 2	< 1	< 2	< 10	9
B411693 Orig	< 10	70	8	< 0.5	121	8	< 0.5	< 1	1.52	0.137	< 2	2	3	< 10	9
B411693 Split PREP DUP	< 10	72	8	< 0.5	111	8	< 0.5	< 1	1.56	0.138	< 2	2	< 2	< 10	10
B411695 Orig	< 10	98	7	< 0.5	172	< 2	< 0.5	< 1	1.84	0.149	< 2	5	< 2	< 10	5
B411695 Dup	< 10	96	7	< 0.5	165	3	< 0.5	< 1	1.82	0.146	< 2	5	< 2	< 10	5
Method Blank	< 10	< 1	< 1	< 0.5	< 1	< 2	< 0.5	< 1	< 0.01	0.006	< 2	< 1	< 2	< 10	< 1
Method Blank	< 10	< 1	< 1	< 0.5	< 1	< 2	< 0.5	< 1	< 0.01	0.008	< 2	< 1	< 2	< 10	< 1
Method Blank	< 10	< 1	< 1	< 0.5	< 1	< 2	< 0.5	< 1	< 0.01	0.006	< 2	< 1	< 2	< 10	< 1
Method Blank	< 10	< 1	< 1	< 0.5	< 1	< 2	< 0.5	< 1	< 0.01	0.006	< 2	< 1	< 2	< 10	< 1
Method Blank	< 10	< 1	< 1	< 0.5	< 1	< 2	< 0.5	< 1	< 0.01	0.009	< 2	< 1	< 2	< 10	< 1
Method Blank	< 10	< 1	< 1	< 0.5	< 1	< 2	< 0.5	< 1	< 0.01	0.007	< 2	< 1	< 2	< 10	< 1
Method Blank	< 10	< 1	< 1	< 0.5	< 1	< 2	< 0.5	< 1	< 0.01	0.007	< 2	< 1	< 2	< 10	< 1
Method Blank	< 10	< 1	< 1	< 0.5	< 1	< 2	< 0.5	< 1	< 0.01	0.006	< 2	< 1	< 2	< 10	< 1
Method Blank	< 10	< 1	< 1	< 0.5	< 1	< 2	< 0.5	< 1	< 0.01	0.009	< 2	< 1	< 2	< 10	< 1
Method Blank	< 10	< 1	< 1	< 0.5	< 1	< 2	< 0.5	< 1	< 0.01	0.007	< 2	< 1	< 2	< 10	< 1
Method Blank	< 10	< 1	< 1	< 0.5	< 1	< 2	< 0.5	< 1	< 0.01	0.008	< 2	< 1	< 2	< 10	< 1
Method Blank	< 10	< 1	< 1	< 0.5	< 1	< 2	< 0.5	< 1	< 0.01	0.007	< 2	< 1	< 2	< 10	< 1
Method Blank	< 10	< 1	< 1	< 0.5	< 1	< 2	< 0.5	< 1	< 0.01	0.009	< 2	1	< 2	< 10	< 1
Method Blank	< 10	< 1	< 1	< 0.5	< 1	< 2	< 0.5	< 1	< 0.01	0.006	< 2	< 1	< 2	< 10	< 1
Method Blank	< 10	< 1	< 1	< 0.5	< 1	< 2	< 0.5	< 1	< 0.01	0.008	< 2	< 1	< 2	< 10	< 1



Report No.: A21-11179-1E3
Report Date: 18-Aug-21
Date Submitted: 17-Jun-21
Your Reference: LINGMAN LAKE WINTER 2021

SIGNATURE RESOURCES LTD
366 Bay Street, suite 200
Toronto ON M5H 4B2
Canada

ATTN: Robert Vallis

CERTIFICATE OF ANALYSIS

161 Core samples were submitted for analysis.

Table with 2 columns: Analytical package(s) requested, Testing Date. Row 1: 1A2B-30-Dryden, QOP AA-Au (Au - Fire Assay AA)

REPORT A21-11179-1E3

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Notes:

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

Values which exceed the upper limit should be assayed for accurate numbers.



ACTIVATION LABORATORIES LTD.
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CERTIFIED BY:

Handwritten signature of Emmanuel Eseme

Emmanuel Eseme, Ph.D.
Quality Control Coordinator

Report No.: A21-11179-1E3  
Report Date: 18-Aug-21  
Date Submitted: 17-Jun-21  
Your Reference: LINGMAN LAKE WINTER 2021

SIGNATURE RESOURCES LTD  
366 Bay Street, suite 200  
Toronto ON M5H 4B2  
Canada

ATTN: Robert Vallis

**CERTIFICATE OF ANALYSIS**

161 Core samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1E3-Tbay	QOP AquaGeo (Aqua Regia ICPOES)	2021-08-12 09:40:40

REPORT      **A21-11179-1E3**

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Notes:

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

Values which exceed the upper limit should be assayed for accurate numbers.



LabID: 673

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CERTIFIED BY:

Emmanuel Esemé , Ph.D.  
Quality Control Coordinator

## Results

## Activation Laboratories Ltd.

## Report: A21-11179

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2		0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B411383	0.4	< 0.5	232	859	2	65	< 2	70	3.00	6	< 10	40	< 0.5	< 2	2.02	37	71	7.81	< 10	< 1	0.20	< 10	2.23
B411384	< 0.2	< 0.5	33	380	< 1	184	3	63	2.10	14	< 10	159	< 0.5	< 2	1.33	30	474	3.02	< 10	< 1	0.55	< 10	2.56
B411385	0.8	< 0.5	163	341	< 1	197	2	55	1.83	10	< 10	100	< 0.5	< 2	1.17	62	333	3.65	< 10	< 1	0.71	< 10	2.10
B411386	< 0.2	< 0.5	23	278	< 1	78	< 2	26	0.92	18	< 10	22	< 0.5	< 2	1.38	19	232	1.92	< 10	< 1	0.10	< 10	1.34
B411387	< 0.2	< 0.5	6	265	< 1	110	< 2	27	1.17	30	< 10	49	< 0.5	< 2	1.07	24	346	1.98	< 10	< 1	0.21	< 10	1.63
B411388	< 0.2	< 0.5	4	320	< 1	152	4	41	1.68	20	< 10	77	< 0.5	< 2	1.09	27	496	2.62	< 10	< 1	0.35	< 10	2.35
B411389	0.9	< 0.5	372	387	5	71	< 2	63	2.02	12	< 10	34	< 0.5	< 2	0.95	32	105	4.94	< 10	< 1	0.14	< 10	2.30
B411390	0.3	< 0.5	11	80	< 1	8	44	62	1.33	6	29	93	< 0.5	< 2	> 10.0	2	20	1.21	< 10	< 1	0.08	< 10	1.60
B411391	< 0.2	< 0.5	7	319	< 1	116	< 2	31	1.19	9	< 10	58	< 0.5	< 2	1.33	24	363	2.37	< 10	< 1	0.22	< 10	1.73
B411392	0.4	< 0.5	131	532	11	127	< 2	49	1.66	18	< 10	13	< 0.5	< 2	2.03	42	58	4.30	< 10	< 1	0.07	< 10	2.11
B411393	0.4	< 0.5	171	622	29	188	3	64	3.01	12	< 10	15	< 0.5	< 2	1.10	55	138	6.70	< 10	< 1	0.08	< 10	3.22
B411394	0.5	< 0.5	199	648	6	291	5	64	3.07	18	< 10	90	< 0.5	< 2	1.05	69	401	6.40	< 10	1	0.46	11	3.34
B411395	< 0.2	< 0.5	33	338	4	171	< 2	36	1.37	20	< 10	33	< 0.5	< 2	1.02	28	467	2.57	< 10	< 1	0.14	< 10	1.86
B411396	< 0.2	< 0.5	30	333	3	169	3	35	1.35	23	< 10	33	< 0.5	< 2	0.97	28	466	2.45	< 10	< 1	0.14	11	1.83
B411397	0.3	< 0.5	337	513	26	68	< 2	39	1.44	3	< 10	16	< 0.5	< 2	1.77	28	54	4.04	< 10	< 1	0.09	< 10	1.87
B411398	0.4	< 0.5	201	724	2	64	< 2	67	2.15	4	< 10	31	< 0.5	< 2	2.40	39	49	6.25	< 10	< 1	0.29	< 10	2.00
B411399	0.8	< 0.5	273	736	1	68	< 2	63	2.08	7	< 10	< 10	< 0.5	< 2	2.47	42	55	6.34	< 10	1	0.08	< 10	1.90
B411400	< 0.2	< 0.5	49	558	< 1	117	9	84	2.10	11	< 10	66	0.6	< 2	1.16	36	56	5.11	< 10	2	0.14	15	1.70
B411401	0.3	< 0.5	112	809	5	54	< 2	70	2.16	9	< 10	< 10	< 0.5	< 2	3.08	36	55	6.42	< 10	1	0.11	< 10	1.89
B411402	0.3	< 0.5	125	748	2	51	< 2	71	1.99	10	< 10	18	< 0.5	< 2	2.86	34	48	6.24	< 10	< 1	0.17	< 10	1.73
B411403	0.3	< 0.5	94	700	2	59	< 2	77	1.98	10	< 10	15	< 0.5	< 2	2.45	34	61	5.70	< 10	2	0.12	< 10	1.74
B411404	0.3	< 0.5	83	867	1	64	< 2	111	3.30	< 2	< 10	37	< 0.5	< 2	1.64	30	72	8.26	10	1	0.29	< 10	2.62
B411405	1.1	< 0.5	225	824	2	156	4	161	4.05	37	< 10	39	< 0.5	4	0.80	70	77	10.9	20	< 1	0.27	11	3.15
B411406	0.5	< 0.5	278	600	< 1	45	< 2	72	2.03	9	< 10	52	< 0.5	< 2	1.76	48	18	7.61	< 10	1	0.40	< 10	1.61
B411407	0.6	< 0.5	222	742	2	47	< 2	67	1.86	6	< 10	29	< 0.5	< 2	2.36	40	33	6.57	< 10	< 1	0.14	< 10	1.56
B411408	0.4	< 0.5	117	630	5	201	5	32	1.57	3	< 10	27	< 0.5	< 2	3.64	27	439	4.08	< 10	< 1	0.67	41	2.18
B411409	0.4	< 0.5	18	720	1	51	8	21	3.34	< 2	< 10	105	< 0.5	< 2	2.94	17	234	3.69	10	< 1	1.44	< 10	1.78
B411410	0.3	< 0.5	11	80	< 1	8	45	61	1.36	7	29	74	< 0.5	< 2	> 10.0	1	22	1.22	< 10	< 1	0.07	< 10	1.62
B411411	0.2	< 0.5	9	531	3	20	7	16	3.60	3	12	50	0.7	< 2	2.09	11	22	2.18	< 10	< 1	1.20	11	1.25
B411412	0.5	< 0.5	20	323	1	80	6	26	2.21	4	< 10	93	< 0.5	< 2	1.20	18	156	2.17	< 10	< 1	0.83	14	1.45
B411413	0.4	< 0.5	37	431	1	84	5	29	2.35	9	11	85	< 0.5	< 2	1.81	20	195	2.61	< 10	< 1	0.92	12	1.47
B411414	0.6	< 0.5	8	290	9	9	18	48	1.81	17	16	34	< 0.5	< 2	0.74	8	6	1.66	< 10	< 1	0.74	12	0.76
B411415	0.4	< 0.5	26	403	10	68	8	28	1.75	20	11	48	< 0.5	< 2	0.27	19	134	2.54	< 10	< 1	0.80	11	1.12
B411416	0.3	< 0.5	29	439	15	80	6	32	1.78	23	< 10	49	< 0.5	< 2	0.25	24	156	2.84	< 10	< 1	0.87	12	1.23
B411417	0.7	< 0.5	108	1560	54	306	3	66	3.52	45	< 10	41	< 0.5	3	0.09	85	859	11.6	10	2	0.29	< 10	2.78
B411418	< 0.2	< 0.5	37	802	17	207	4	43	2.38	13	< 10	74	< 0.5	< 2	2.55	38	517	3.98	< 10	< 1	0.38	33	2.73
B411419	0.3	< 0.5	74	808	14	125	< 2	32	1.25	3	< 10	< 10	< 0.5	< 2	3.61	40	231	3.65	< 10	< 1	0.05	< 10	1.79
B411420	0.4	< 0.5	159	707	< 1	80	3	59	3.84	10	19	20	< 0.5	< 2	3.27	30	108	5.46	< 10	1	0.09	< 10	2.19
B411421	0.9	< 0.5	146	1330	53	229	5	75	2.51	6	< 10	39	< 0.5	< 2	2.18	63	546	9.60	< 10	< 1	0.30	< 10	2.37
B411422	0.9	< 0.5	141	1150	23	161	< 2	41	1.81	3	< 10	67	< 0.5	< 2	5.76	43	324	5.98	< 10	< 1	0.38	< 10	2.40
B411423	0.5	< 0.5	45	732	42	102	< 2	34	1.27	< 2	< 10	49	< 0.5	< 2	4.26	30	281	3.33	< 10	< 1	0.19	< 10	1.78
B411424	0.2	< 0.5	49	749	19	99	< 2	34	1.35	< 2	< 10	52	< 0.5	< 2	3.98	28	315	3.44	< 10	< 1	0.22	< 10	1.85
B411425	0.2	< 0.5	59	909	24	143	< 2	37	1.90	< 2	< 10	44	< 0.5	< 2	4.16	36	467	4.69	< 10	< 1	0.26	< 10	2.06
B411426	0.3	< 0.5	95	878	6	267	4	45	2.67	3	< 10	23	< 0.5	2	1.75	68	816	7.86	< 10	2	0.24	< 10	2.28
B411427	0.4	< 0.5	85	908	5	292	< 2	40	2.50	10	< 10	25	< 0.5	< 2	1.63	71	795	7.06	< 10	< 1	0.15	< 10	2.14
B411428	0.5	< 0.5	99	742	8	262	< 2	35	2.02	2	< 10	74	< 0.5	4	1.95	58	463	6.33	< 10	< 1	0.47	< 10	2.48
B411429	0.4	< 0.5	114	579	10	169	3	34	1.50	8	< 10	11	< 0.5	< 2	2.60	40	250	4.50	< 10	< 1	0.07	< 10	2.19
B411430	0.2	< 0.5	11	74	< 1	8	42	59	1.21	5	26	107	< 0.5	< 2	> 10.0	1	20	1.11	< 10	< 1	0.13	< 10	1.52
B411431	0.6	< 0.5	84	609	9	165	4	31	1.74	3	< 10	13	< 0.5	< 2	1.99	43	249	4.77	< 10	< 1	0.08	< 10	2.01
B411432	1.3	< 0.5	170	674	9	158	5	40	1.78	17	< 10	33	< 0.5	< 2	1.77	50	182	6.81	< 10	< 1	0.47	< 10	1.77
B411433	1.3	0.6	107	408	15	178	8	58	2.11	181	< 10	19	< 0.5	< 2	0.56	55	126	5.15	10	< 1	1.12	12	2.02

## Results

## Activation Laboratories Ltd.

## Report: A21-11179

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2		0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B411434	0.6	< 0.5	121	490	3	101	< 2	50	2.13	7	< 10	96	< 0.5	< 2	1.66	29	256	4.87	< 10	< 1	0.83	34	2.34
B411435	1.5	< 0.5	173	381	49	195	4	58	1.87	5	< 10	73	< 0.5	< 2	1.68	34	502	3.40	< 10	< 1	0.90	54	2.40
B411436	1.8	< 0.5	228	391	73	179	< 2	58	1.94	7	< 10	38	< 0.5	< 2	1.63	40	436	3.78	< 10	< 1	0.93	45	2.40
B411437	0.4	< 0.5	69	405	5	198	4	51	1.63	3	< 10	761	< 0.5	< 2	2.47	27	570	2.59	< 10	< 1	0.88	75	2.44
B411438	3.9	0.6	365	815	63	237	5	75	2.43	2	< 10	107	< 0.5	< 2	5.75	39	256	3.54	< 10	< 1	0.41	21	2.56
B411439	0.9	< 0.5	133	646	5	206	9	87	2.96	< 2	< 10	55	< 0.5	< 2	2.42	39	429	5.18	< 10	< 1	1.51	34	2.84
B411440	0.5	< 0.5	159	688	< 1	81	3	58	3.91	12	18	18	< 0.5	< 2	3.30	30	107	5.51	< 10	2	0.08	< 10	2.20
B411441	0.5	< 0.5	113	598	< 1	179	< 2	62	2.72	2	< 10	113	< 0.5	< 2	2.41	40	471	4.99	< 10	1	1.65	40	2.83
B411442	0.5	< 0.5	84	844	3	91	2	34	1.51	< 2	< 10	65	< 0.5	< 2	6.79	21	122	3.81	< 10	< 1	0.64	< 10	3.66
B411443	0.9	< 0.5	100	1150	< 1	102	< 2	48	2.88	< 2	< 10	101	< 0.5	< 2	6.70	26	146	5.50	< 10	2	1.42	< 10	3.32
B411519	0.2	< 0.5	167	805	< 1	10	3	71	2.64	184	< 10	13	< 0.5	< 2	2.93	38	< 1	8.12	10	2	0.14	< 10	1.39
B411520	1.5	0.6	134	616	4	156	30	62	3.13	57	16	43	< 0.5	< 2	3.03	31	413	4.56	< 10	2	0.21	< 10	3.25
B411521	0.3	< 0.5	168	725	< 1	18	< 2	69	2.42	40	< 10	< 10	< 0.5	< 2	2.57	44	< 1	7.97	< 10	1	0.12	< 10	1.31
B411522	0.2	1.8	193	771	< 1	17	< 2	67	2.39	850	< 10	< 10	< 0.5	< 2	3.15	46	< 1	8.28	10	< 1	0.11	< 10	1.24
B411523	0.4	< 0.5	324	746	< 1	17	< 2	63	2.27	44	< 10	< 10	< 0.5	< 2	2.96	44	< 1	7.55	< 10	< 1	0.11	< 10	1.32
B411524	< 0.2	< 0.5	84	813	< 1	124	4	83	2.42	36	< 10	190	< 0.5	< 2	4.32	36	247	5.78	< 10	< 1	1.58	47	2.32
B411525	0.4	0.8	207	778	< 1	49	3	86	2.08	74	< 10	47	< 0.5	< 2	3.78	45	65	7.36	< 10	1	0.28	16	1.52
B411526	0.3	< 0.5	208	686	< 1	21	< 2	68	1.87	40	< 10	45	< 0.5	< 2	3.13	43	10	7.31	< 10	1	0.14	< 10	1.03
B411527	0.4	< 0.5	239	685	< 1	21	< 2	73	1.93	38	< 10	19	< 0.5	< 2	3.06	43	10	7.69	< 10	< 1	0.10	< 10	1.09
B411528	0.3	< 0.5	253	843	< 1	24	< 2	90	2.37	42	< 10	< 10	< 0.5	< 2	3.52	46	12	8.72	< 10	1	0.06	< 10	1.35
B411529	0.7	< 0.5	538	842	< 1	24	< 2	79	2.26	38	< 10	< 10	< 0.5	< 2	3.17	48	9	8.37	< 10	2	0.10	< 10	1.29
B411530	0.3	< 0.5	12	81	< 1	8	41	58	1.43	6	30	88	< 0.5	< 2	> 10.0	1	20	1.27	< 10	< 1	0.04	< 10	1.70
B411531	0.3	< 0.5	250	758	< 1	20	< 2	77	1.93	37	< 10	12	< 0.5	< 2	2.82	45	11	7.83	< 10	< 1	0.12	< 10	1.13
B411532	0.3	0.8	215	702	< 1	21	< 2	87	2.11	25	< 10	26	< 0.5	< 2	2.75	40	11	8.17	< 10	< 1	0.16	< 10	1.20
B411533	0.2	< 0.5	207	792	< 1	11	< 2	89	2.18	43	< 10	< 10	< 0.5	< 2	3.03	49	5	8.91	< 10	< 1	0.08	< 10	1.11
B411534	0.3	< 0.5	193	744	< 1	8	< 2	85	2.16	41	< 10	47	< 0.5	< 2	3.02	46	1	8.93	< 10	< 1	0.14	< 10	1.09
B411535	0.3	< 0.5	163	725	< 1	9	< 2	76	2.07	40	< 10	< 10	< 0.5	< 2	3.02	43	1	8.60	< 10	1	0.06	< 10	1.05
B411536	0.3	< 0.5	215	740	< 1	10	< 2	79	2.11	41	< 10	< 10	< 0.5	< 2	3.02	49	2	8.68	< 10	2	0.07	< 10	1.08
B411537	< 0.2	0.6	174	685	< 1	8	< 2	70	2.00	115	< 10	< 10	< 0.5	< 2	3.00	45	< 1	8.42	< 10	< 1	0.06	< 10	1.13
B411538	0.2	< 0.5	424	895	< 1	26	< 2	77	2.85	76	< 10	< 10	< 0.5	< 2	2.99	52	18	9.72	10	< 1	0.05	< 10	1.74
B411539	< 0.2	< 0.5	21	632	< 1	152	< 2	41	1.55	129	< 10	< 10	< 0.5	< 2	4.43	44	839	3.55	< 10	< 1	0.02	< 10	1.87
B411540	0.5	< 0.5	164	709	1	82	4	59	4.07	11	19	20	< 0.5	< 2	3.43	32	111	5.70	< 10	1	0.09	< 10	2.28
B411541	< 0.2	< 0.5	82	579	2	118	< 2	34	1.41	105	< 10	< 10	< 0.5	< 2	5.01	39	596	3.71	< 10	< 1	0.02	< 10	1.72
B411542	< 0.2	< 0.5	181	1300	< 1	61	< 2	74	3.39	147	< 10	19	< 0.5	2	4.58	39	159	9.49	10	2	0.35	< 10	2.40
B411543	< 0.2	< 0.5	191	1120	< 1	17	< 2	88	2.63	51	< 10	27	< 0.5	< 2	3.28	41	3	8.22	< 10	< 1	0.31	< 10	1.63
B411544	< 0.2	< 0.5	151	1010	< 1	20	< 2	120	2.68	43	< 10	15	< 0.5	< 2	3.08	36	6	8.24	< 10	< 1	0.13	< 10	1.43
B411545	< 0.2	< 0.5	235	1040	< 1	19	< 2	79	2.64	48	< 10	19	< 0.5	< 2	3.18	42	4	8.24	< 10	1	0.20	< 10	1.46
B411546	< 0.2	< 0.5	198	1130	< 1	22	< 2	88	2.93	52	< 10	34	< 0.5	< 2	3.70	45	14	9.21	10	< 1	0.35	< 10	1.55
B411547	0.3	< 0.5	173	1030	< 1	17	< 2	100	2.75	48	< 10	20	< 0.5	< 2	3.09	45	4	8.39	< 10	< 1	0.21	< 10	1.35
B411548	0.5	< 0.5	469	938	< 1	20	< 2	114	2.73	47	< 10	29	< 0.5	< 2	2.88	40	2	9.00	< 10	2	0.31	< 10	1.50
B411549	0.5	< 0.5	212	988	< 1	17	21	176	2.75	56	< 10	31	< 0.5	2	3.56	38	2	8.96	10	1	0.30	< 10	1.49
B411550	0.3	< 0.5	13	83	< 1	9	41	64	1.41	6	30	75	< 0.5	< 2	> 10.0	1	20	1.29	< 10	< 1	0.04	< 10	1.65
B411551	0.3	0.5	204	789	< 1	17	< 2	82	2.29	42	< 10	32	< 0.5	< 2	3.12	41	1	8.06	< 10	< 1	0.25	< 10	1.22
B411552	0.4	< 0.5	207	838	< 1	17	< 2	82	2.29	42	< 10	20	< 0.5	< 2	3.24	43	1	8.23	< 10	2	0.27	< 10	1.23
B411553	0.5	0.8	213	841	< 1	18	75	134	2.41	136	< 10	48	< 0.5	< 2	3.76	37	2	8.48	10	2	0.47	< 10	1.54
B411554	1.5	0.6	915	862	< 1	15	249	151	2.75	2050	< 10	30	< 0.5	< 2	3.41	28	2	9.54	< 10	< 1	0.39	< 10	1.80
B411555	0.3	< 0.5	132	1030	< 1	16	2	104	3.29	55	< 10	39	< 0.5	< 2	3.49	38	1	9.99	10	1	0.52	< 10	1.86
B411556	0.3	< 0.5	111	1030	< 1	17	3	106	3.28	57	< 10	41	< 0.5	2	3.47	38	1	10.0	10	2	0.59	< 10	1.87
B411557	0.5	1.0	192	958	< 1	11	38	124	2.74	516	< 10	27	< 0.5	< 2	3.38	39	1	9.58	10	2	0.34	< 10	1.35
B411558	0.3	< 0.5	166	963	< 1	8	< 2	88	2.48	32	< 10	13	< 0.5	< 2	3.18	37	< 1	9.22	10	2	0.21	< 10	1.10
B411559	0.5	< 0.5	324	904	< 1	9	< 2	99	2.48	150	< 10	18	< 0.5	< 2	3.34	45	1	9.01	10	< 1	0.26	< 10	1.11

## Results

## Activation Laboratories Ltd.

## Report: A21-11179

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2		0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B411560	1.1	< 0.5	134	650	2	110	14	66	2.98	30	32	36	< 0.5	< 2	2.82	31	269	5.43	< 10	2	0.13	< 10	2.55
B411561	0.4	< 0.5	255	858	< 1	12	< 2	97	2.38	212	< 10	19	< 0.5	2	2.93	47	4	8.58	< 10	2	0.22	< 10	1.20
B411562	0.3	< 0.5	162	844	< 1	11	< 2	97	2.19	36	< 10	17	< 0.5	< 2	2.56	41	3	8.02	< 10	3	0.19	< 10	1.06
B411563	0.3	< 0.5	185	814	< 1	16	< 2	82	2.04	44	< 10	< 10	< 0.5	< 2	2.93	43	4	7.03	< 10	1	0.11	< 10	1.04
B411564	0.3	< 0.5	193	827	< 1	22	< 2	101	2.40	42	< 10	14	< 0.5	< 2	2.64	46	3	7.59	< 10	1	0.15	< 10	1.29
B411565	0.5	< 0.5	263	895	< 1	21	2	90	2.75	40	< 10	16	< 0.5	< 2	3.10	42	3	8.37	< 10	2	0.20	< 10	1.38
B411566	0.7	< 0.5	485	814	< 1	21	< 2	83	2.21	39	< 10	16	< 0.5	< 2	2.60	40	5	7.52	< 10	< 1	0.19	< 10	1.17
B411567	0.2	< 0.5	97	855	< 1	17	< 2	78	2.04	38	< 10	< 10	< 0.5	< 2	3.82	38	4	6.70	< 10	1	0.13	< 10	1.03
B411568	0.3	< 0.5	153	809	< 1	20	< 2	83	2.11	39	< 10	11	< 0.5	< 2	2.95	44	4	7.47	< 10	2	0.15	< 10	1.11
B411569	0.4	< 0.5	178	774	< 1	20	< 2	82	2.20	1230	< 10	37	< 0.5	< 2	3.09	45	4	7.85	< 10	2	0.30	< 10	1.17
B411570	0.3	< 0.5	11	83	< 1	9	46	66	1.39	7	29	69	< 0.5	< 2	> 10.0	1	23	1.28	< 10	< 1	0.10	< 10	1.63
B411571	0.3	< 0.5	162	834	< 1	20	< 2	92	2.25	35	< 10	34	< 0.5	< 2	2.92	43	3	7.68	< 10	1	0.24	< 10	1.12
B411572	0.3	< 0.5	160	951	< 1	18	3	98	2.61	28	< 10	27	< 0.5	< 2	3.50	39	2	8.56	< 10	< 1	0.21	< 10	1.37
B411573	0.4	< 0.5	264	822	< 1	22	< 2	89	2.40	32	< 10	32	< 0.5	< 2	2.53	41	3	9.16	< 10	2	0.24	< 10	1.25
B411574	0.3	< 0.5	192	878	< 1	15	< 2	94	2.47	39	< 10	40	< 0.5	< 2	2.87	42	2	8.06	< 10	< 1	0.35	< 10	1.20
B411575	0.3	< 0.5	172	1120	< 1	9	< 2	130	3.09	193	< 10	23	< 0.5	< 2	4.73	36	2	10.0	10	1	0.24	< 10	1.48
B411576	0.3	< 0.5	194	1110	< 1	12	< 2	106	3.02	198	< 10	20	< 0.5	< 2	4.53	39	2	9.71	10	2	0.22	< 10	1.45
B411577	0.3	< 0.5	159	882	< 1	8	< 2	93	2.45	41	< 10	15	< 0.5	< 2	2.99	44	3	8.26	< 10	2	0.17	< 10	1.12
B411578	0.3	< 0.5	179	849	< 1	7	< 2	87	2.32	34	< 10	< 10	< 0.5	< 2	2.59	38	3	7.75	< 10	< 1	0.11	< 10	1.18
B411579	0.3	< 0.5	178	858	< 1	7	< 2	89	2.32	34	< 10	< 10	< 0.5	< 2	2.40	44	2	8.24	< 10	1	0.11	< 10	1.22
B411580	0.5	< 0.5	158	722	< 1	85	3	62	3.98	15	20	21	< 0.5	< 2	3.41	31	116	5.82	10	1	0.08	< 10	2.22
B411581	0.2	< 0.5	149	845	< 1	6	< 2	88	2.24	95	< 10	< 10	< 0.5	3	2.47	46	2	8.17	< 10	< 1	0.14	< 10	1.10
B411582	0.2	< 0.5	197	898	< 1	6	< 2	93	2.20	41	< 10	< 10	< 0.5	< 2	2.52	44	3	8.45	< 10	2	0.14	< 10	1.07
B411583	0.3	< 0.5	215	811	< 1	6	< 2	100	2.11	40	< 10	10	< 0.5	< 2	2.25	48	2	8.33	< 10	2	0.15	< 10	1.03
B411584	0.3	< 0.5	206	815	< 1	7	< 2	97	2.02	36	< 10	< 10	< 0.5	< 2	2.36	46	3	8.06	< 10	2	0.14	< 10	0.98
B411585	0.2	< 0.5	184	857	< 1	7	< 2	94	2.11	33	< 10	< 10	< 0.5	< 2	2.59	44	5	7.88	< 10	2	0.12	< 10	1.00
B411586	0.3	< 0.5	193	901	< 1	7	< 2	92	2.28	37	< 10	< 10	< 0.5	< 2	3.25	43	4	7.79	< 10	3	0.14	< 10	1.01
B411587	0.3	< 0.5	194	773	< 1	8	< 2	107	2.38	224	< 10	29	< 0.5	< 2	2.82	44	2	8.74	10	< 1	0.40	< 10	1.12
B411588	1.3	< 0.5	1060	862	< 1	12	12	77	1.73	2590	< 10	24	< 0.5	< 2	4.09	36	2	8.12	< 10	< 1	0.35	< 10	1.50
B411589	1.3	< 0.5	768	917	< 1	14	3	95	2.53	2670	< 10	28	< 0.5	< 2	3.76	70	2	10.5	< 10	< 1	0.39	< 10	1.79
B411590	0.2	< 0.5	14	86	< 1	9	44	65	1.39	11	30	89	< 0.5	< 2	> 10.0	2	22	1.32	< 10	< 1	0.05	< 10	1.65
B411591	1.6	< 0.5	874	779	< 1	16	3	89	2.34	14	< 10	24	< 0.5	< 2	3.15	48	2	8.59	< 10	1	0.29	< 10	1.36
B411592	0.6	< 0.5	340	817	< 1	15	3	79	2.33	28	< 10	36	< 0.5	< 2	2.80	51	2	8.38	< 10	2	0.32	< 10	1.27
B411593	0.4	< 0.5	272	848	< 1	16	< 2	81	2.30	33	< 10	55	< 0.5	< 2	2.72	46	3	8.70	< 10	1	0.38	< 10	1.24
B411594	0.4	< 0.5	381	751	< 1	13	< 2	80	2.10	6	< 10	35	< 0.5	2	2.57	47	2	8.92	< 10	1	0.28	< 10	1.14
B411595	0.3	< 0.5	205	673	< 1	47	< 2	70	1.78	395	< 10	12	< 0.5	< 2	2.73	45	83	5.88	< 10	1	0.11	< 10	1.39
B411596	0.3	< 0.5	175	668	< 1	44	< 2	65	1.74	263	< 10	12	< 0.5	< 2	2.74	39	90	5.57	< 10	1	0.11	< 10	1.38
B411597	0.6	< 0.5	398	629	< 1	82	< 2	57	1.59	68	< 10	< 10	< 0.5	< 2	2.94	49	165	4.32	< 10	< 1	0.03	< 10	1.58
B411598	0.3	< 0.5	217	571	< 1	70	< 2	48	1.48	68	< 10	< 10	< 0.5	< 2	2.74	44	144	3.94	< 10	< 1	0.03	< 10	1.47
B411599	< 0.2	< 0.5	132	599	< 1	59	< 2	43	1.30	63	< 10	< 10	< 0.5	< 2	2.69	42	107	3.82	< 10	< 1	0.05	< 10	1.22
B411600	1.6	< 0.5	132	639	3	133	19	62	3.08	38	28	41	< 0.5	< 2	3.00	31	338	4.86	< 10	< 1	0.16	< 10	2.79
B411601	< 0.2	< 0.5	189	557	< 1	64	< 2	35	1.12	40	< 10	< 10	< 0.5	< 2	2.85	40	142	3.48	< 10	< 1	0.04	< 10	1.14
B411602	0.3	< 0.5	267	782	< 1	58	< 2	68	2.36	28	< 10	86	< 0.5	< 2	3.47	41	125	6.29	< 10	< 1	0.38	< 10	1.76
B411603	< 0.2	< 0.5	223	770	< 1	91	3	63	2.28	47	< 10	149	< 0.5	< 2	3.71	45	220	5.32	< 10	2	0.52	< 10	1.93
B411604	< 0.2	< 0.5	163	646	< 1	70	< 2	44	1.51	45	< 10	32	< 0.5	< 2	3.25	41	164	4.08	< 10	< 1	0.14	< 10	1.53
B411605	< 0.2	< 0.5	170	620	< 1	82	< 2	39	1.20	31	< 10	22	< 0.5	< 2	3.39	41	149	3.94	< 10	< 1	0.11	< 10	1.32
B411606	< 0.2	< 0.5	126	660	13	84	< 2	42	1.28	27	< 10	29	< 0.5	< 2	3.64	41	158	3.94	< 10	< 1	0.13	< 10	1.38
B411607	< 0.2	< 0.5	174	625	4	80	< 2	47	1.32	33	< 10	13	< 0.5	< 2	3.01	43	153	4.04	< 10	< 1	0.09	< 10	1.48
B411608	< 0.2	< 0.5	189	545	2	67	< 2	37	1.06	31	< 10	27	< 0.5	< 2	2.50	38	142	3.44	< 10	< 1	0.13	< 10	1.32
B411609	< 0.2	< 0.5	164	760	1	120	< 2	64	1.90	10	< 10	72	< 0.5	< 2	3.38	44	240	5.54	< 10	1	0.80	< 10	1.76
B411610	0.2	< 0.5	11	82	< 1	9	43	64	1.34	7	28	91	< 0.5	< 2	> 10.0	2	21	1.24	< 10	< 1	0.05	< 10	1.60

Results

Activation Laboratories Ltd.

Report: A21-11179

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B411611	0.2	< 0.5	233	666	< 1	116	< 2	45	1.52	24	< 10	49	< 0.5	< 2	3.41	48	238	5.54	< 10	< 1	0.56	< 10	1.46
B411612	< 0.2	< 0.5	169	832	< 1	115	< 2	74	2.23	10	< 10	165	< 0.5	< 2	3.77	43	254	6.14	< 10	< 1	0.83	< 10	1.95
B411613	< 0.2	< 0.5	228	750	< 1	91	< 2	57	1.80	27	< 10	150	< 0.5	< 2	3.58	43	206	4.88	< 10	< 1	0.65	< 10	1.65
B411614	0.2	< 0.5	204	754	< 1	84	< 2	73	1.90	42	< 10	16	< 0.5	< 2	3.51	45	210	5.12	< 10	1	0.09	< 10	1.78
B411615	< 0.2	< 0.5	210	607	< 1	70	< 2	51	1.38	50	< 10	14	< 0.5	< 2	2.61	43	160	3.92	< 10	< 1	0.08	< 10	1.50
B411616	< 0.2	< 0.5	214	601	< 1	68	< 2	52	1.35	55	< 10	13	< 0.5	< 2	2.50	44	157	3.87	< 10	< 1	0.07	< 10	1.48
B411617	0.3	< 0.5	261	715	< 1	70	< 2	68	1.59	48	< 10	59	< 0.5	< 2	3.61	44	157	4.22	< 10	< 1	0.23	< 10	1.52
B411618	< 0.2	< 0.5	164	739	< 1	61	< 2	64	1.69	33	< 10	41	< 0.5	< 2	4.36	36	124	4.54	< 10	< 1	0.17	< 10	1.51



Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B411383	0.185	0.041	0.63	2	13	16	0.17	< 20	< 1	< 2	< 10	150	< 10	9	7
B411384	0.136	0.057	0.01	3	7	41	0.14	< 20	1	< 2	< 10	61	< 10	4	10
B411385	0.124	0.045	0.78	< 2	7	35	0.19	< 20	3	< 2	< 10	71	< 10	4	15
B411386	0.113	0.047	0.06	< 2	7	21	0.14	< 20	1	< 2	< 10	45	< 10	5	8
B411387	0.089	0.044	0.01	< 2	7	16	0.12	< 20	4	< 2	< 10	42	< 10	4	11
B411388	0.092	0.040	< 0.01	2	7	15	0.15	< 20	2	< 2	< 10	53	< 10	4	14
B411389	0.068	0.036	0.45	2	8	15	0.25	< 20	< 1	< 2	< 10	137	< 10	6	14
B411390	0.037	0.015	0.35	< 2	2	338	0.05	< 20	< 1	< 2	< 10	31	< 10	4	8
B411391	0.108	0.039	0.05	< 2	7	19	0.15	< 20	2	< 2	< 10	49	< 10	4	14
B411392	0.130	0.036	0.22	3	12	18	0.17	< 20	2	< 2	< 10	93	< 10	5	8
B411393	0.058	0.058	0.45	3	12	8	0.18	< 20	< 1	< 2	< 10	111	< 10	5	11
B411394	0.070	0.076	0.68	3	11	10	0.18	< 20	< 1	< 2	< 10	102	< 10	4	17
B411395	0.067	0.059	0.10	< 2	6	14	0.13	< 20	1	< 2	< 10	53	< 10	4	7
B411396	0.066	0.067	0.08	< 2	6	14	0.13	< 20	2	< 2	< 10	53	< 10	4	12
B411397	0.130	0.044	0.37	< 2	9	16	0.22	< 20	2	< 2	< 10	100	< 10	7	12
B411398	0.184	0.036	0.54	< 2	10	15	0.21	< 20	< 1	< 2	< 10	119	< 10	7	7
B411399	0.209	0.038	0.62	3	12	14	0.22	< 20	2	< 2	< 10	121	< 10	9	9
B411400	0.255	0.091	0.01	2	5	100	0.20	< 20	2	< 2	< 10	45	< 10	11	3
B411401	0.255	0.037	0.15	2	12	18	0.17	< 20	< 1	< 2	< 10	127	< 10	9	7
B411402	0.221	0.037	0.06	< 2	11	22	0.19	< 20	< 1	< 2	< 10	125	< 10	8	7
B411403	0.226	0.036	0.05	2	11	14	0.18	< 20	< 1	< 2	< 10	119	< 10	8	9
B411404	0.140	0.038	0.21	4	11	11	0.18	< 20	4	< 2	< 10	139	< 10	14	8
B411405	0.070	0.040	1.45	3	19	7	0.17	< 20	< 1	< 2	< 10	211	< 10	20	14
B411406	0.184	0.048	0.81	2	9	15	0.20	< 20	< 1	< 2	< 10	141	< 10	9	10
B411407	0.227	0.040	0.30	< 2	10	13	0.17	< 20	< 1	< 2	< 10	127	< 10	8	8
B411408	0.078	0.147	1.07	< 2	9	82	0.17	< 20	< 1	< 2	< 10	69	< 10	8	7
B411409	0.219	0.009	0.44	< 2	10	94	0.11	< 20	< 1	< 2	13	63	< 10	5	15
B411410	0.032	0.015	0.57	< 2	2	307	0.05	< 20	2	3	< 10	32	< 10	4	8
B411411	0.271	0.022	0.16	< 2	2	58	0.07	< 20	< 1	< 2	< 10	20	< 10	4	20
B411412	0.151	0.051	0.04	< 2	3	146	0.12	< 20	< 1	< 2	< 10	33	< 10	4	12
B411413	0.172	0.048	0.25	< 2	5	156	0.14	< 20	3	< 2	< 10	44	< 10	4	17
B411414	0.088	0.025	0.81	< 2	< 1	22	0.04	< 20	< 1	< 2	< 10	19	< 10	4	33
B411415	0.058	0.028	0.28	< 2	3	9	0.09	< 20	1	< 2	< 10	38	< 10	3	24
B411416	0.051	0.031	0.28	< 2	3	7	0.10	< 20	2	< 2	< 10	39	< 10	3	26
B411417	0.021	0.011	1.21	7	29	6	0.17	< 20	< 1	< 2	< 10	231	< 10	7	11
B411418	0.156	0.145	0.22	3	10	135	0.17	< 20	1	< 2	< 10	75	< 10	6	5
B411419	0.132	0.019	0.34	< 2	13	118	0.18	< 20	< 1	< 2	< 10	74	< 10	5	6
B411420	0.047	0.033	0.23	< 2	7	50	0.36	< 20	4	< 2	< 10	150	< 10	10	12
B411421	0.049	0.017	2.23	5	18	46	0.17	< 20	< 1	< 2	< 10	166	< 10	6	12
B411422	0.083	0.031	1.04	3	11	128	0.15	< 20	< 1	< 2	< 10	99	< 10	5	8
B411423	0.106	0.018	0.28	< 2	11	104	0.20	< 20	< 1	< 2	< 10	66	< 10	4	5
B411424	0.108	0.019	0.11	< 2	12	79	0.23	< 20	2	< 2	< 10	72	< 10	5	5
B411425	0.131	0.026	0.20	3	17	87	0.22	< 20	< 1	< 2	< 10	104	< 10	7	7
B411426	0.122	0.028	0.64	6	22	35	0.18	< 20	2	< 2	< 10	161	< 10	7	8
B411427	0.118	0.024	0.61	3	21	27	0.16	< 20	3	< 2	< 10	156	< 10	8	9
B411428	0.108	0.022	0.82	3	14	20	0.21	< 20	4	< 2	< 10	102	< 10	5	10
B411429	0.071	0.018	0.80	< 2	8	41	0.17	< 20	2	< 2	< 10	67	< 10	6	8
B411430	0.046	0.013	0.46	< 2	2	305	0.05	< 20	< 1	< 2	< 10	29	< 10	4	3
B411431	0.098	0.017	0.75	< 2	11	46	0.19	< 20	2	< 2	< 10	81	< 10	5	7
B411432	0.107	0.026	1.99	< 2	13	55	0.24	< 20	2	< 2	< 10	116	< 10	6	9
B411433	0.086	0.047	1.14	2	18	27	0.22	< 20	2	< 2	< 10	165	< 10	8	27

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B411434	0.130	0.166	0.55	2	16	53	0.28	< 20	3	< 2	< 10	148	< 10	9	11
B411435	0.084	0.246	0.42	3	9	94	0.23	< 20	2	< 2	< 10	80	< 10	9	4
B411436	0.083	0.202	0.68	< 2	9	85	0.24	< 20	2	< 2	< 10	88	< 10	9	6
B411437	0.155	0.263	0.11	3	8	141	0.14	< 20	3	< 2	< 10	54	< 10	9	< 1
B411438	0.081	0.037	0.43	< 2	6	211	0.15	< 20	< 1	< 2	< 10	56	< 10	6	14
B411439	0.084	0.129	0.63	< 2	13	122	0.21	< 20	< 1	< 2	< 10	131	< 10	8	3
B411440	0.045	0.032	0.23	< 2	7	51	0.36	< 20	< 1	< 2	< 10	147	< 10	10	9
B411441	0.133	0.192	0.56	< 2	11	102	0.30	< 20	3	< 2	< 10	123	< 10	9	10
B411442	0.103	0.035	0.38	< 2	7	99	0.17	< 20	< 1	< 2	< 10	67	< 10	5	8
B411443	0.108	0.043	0.84	< 2	10	185	0.21	< 20	3	< 2	< 10	98	< 10	7	9
B411519	0.256	0.049	0.24	3	9	21	0.16	< 20	< 1	< 2	< 10	130	< 10	13	12
B411520	0.054	0.030	0.70	< 2	10	51	0.25	< 20	3	< 2	< 10	109	< 10	9	11
B411521	0.230	0.049	0.26	4	9	14	0.17	< 20	< 1	< 2	< 10	142	< 10	12	12
B411522	0.247	0.047	0.30	3	9	19	0.11	< 20	< 1	< 2	< 10	148	< 10	12	11
B411523	0.230	0.042	0.22	3	9	18	0.15	< 20	< 1	< 2	< 10	137	< 10	11	10
B411524	0.068	0.194	0.36	3	6	102	0.21	< 20	2	< 2	< 10	110	< 10	11	4
B411525	0.128	0.084	0.40	2	8	44	0.14	< 20	< 1	< 2	< 10	147	< 10	11	13
B411526	0.198	0.042	0.15	2	9	25	0.16	< 20	< 1	< 2	< 10	160	< 10	11	7
B411527	0.191	0.044	0.22	3	9	23	0.19	< 20	< 1	< 2	< 10	165	< 10	11	9
B411528	0.144	0.041	0.24	3	9	31	0.19	< 20	< 1	< 2	< 10	172	< 10	11	5
B411529	0.212	0.044	0.27	4	10	27	0.17	< 20	< 1	< 2	< 10	162	< 10	12	9
B411530	0.026	0.015	0.51	< 2	2	348	0.06	< 20	< 1	< 2	< 10	33	< 10	5	2
B411531	0.206	0.042	0.13	2	9	18	0.17	< 20	< 1	< 2	< 10	155	< 10	11	8
B411532	0.153	0.041	0.36	4	8	24	0.17	< 20	< 1	< 2	< 10	165	< 10	11	6
B411533	0.167	0.045	0.15	2	10	25	0.18	< 20	< 1	< 2	< 10	169	< 10	13	9
B411534	0.171	0.046	0.14	4	9	28	0.17	< 20	2	< 2	< 10	169	< 10	13	9
B411535	0.158	0.044	0.17	3	9	32	0.17	< 20	1	< 2	< 10	160	< 10	12	8
B411536	0.163	0.044	0.21	3	10	30	0.17	< 20	< 1	< 2	< 10	160	< 10	12	9
B411537	0.128	0.042	0.33	< 2	9	36	0.15	< 20	1	< 2	< 10	156	< 10	12	8
B411538	0.090	0.043	0.60	3	9	30	0.28	< 20	< 1	< 2	< 10	160	< 10	12	9
B411539	0.032	0.016	0.03	5	4	58	0.17	< 20	1	2	< 10	44	< 10	3	3
B411540	0.048	0.034	0.24	< 2	8	54	0.37	< 20	3	2	< 10	152	< 10	10	9
B411541	0.030	0.020	0.07	2	6	47	0.20	< 20	1	< 2	< 10	57	< 10	5	5
B411542	0.035	0.040	0.20	4	12	70	0.35	< 20	< 1	< 2	< 10	163	< 10	11	4
B411543	0.132	0.039	0.13	3	8	46	0.36	< 20	5	< 2	< 10	147	< 10	12	6
B411544	0.162	0.038	0.18	3	8	47	0.31	< 20	4	< 2	< 10	139	< 10	12	7
B411545	0.216	0.042	0.11	3	9	31	0.30	< 20	< 1	< 2	< 10	146	< 10	12	7
B411546	0.202	0.040	0.22	4	9	53	0.31	< 20	7	< 2	< 10	150	< 10	12	5
B411547	0.241	0.043	0.14	3	9	44	0.28	< 20	1	< 2	< 10	145	< 10	12	7
B411548	0.203	0.044	0.45	3	10	27	0.30	< 20	< 1	< 2	< 10	152	< 10	12	9
B411549	0.140	0.042	0.43	4	9	36	0.20	< 20	< 1	< 2	< 10	165	< 10	12	8
B411550	0.029	0.015	0.58	< 2	2	295	0.05	< 20	1	3	< 10	34	< 10	5	1
B411551	0.215	0.042	0.15	3	8	24	0.20	< 20	< 1	< 2	< 10	146	< 10	11	9
B411552	0.213	0.041	0.18	3	8	27	0.19	< 20	3	< 2	< 10	152	< 10	11	8
B411553	0.112	0.041	1.45	3	7	37	0.24	< 20	2	< 2	< 10	157	< 10	11	10
B411554	0.075	0.033	1.91	5	7	35	0.16	< 20	< 1	< 2	< 10	152	< 10	8	9
B411555	0.073	0.042	0.14	3	11	37	0.17	< 20	< 1	< 2	< 10	176	< 10	13	6
B411556	0.081	0.042	0.13	3	11	37	0.20	< 20	< 1	< 2	< 10	177	< 10	13	9
B411557	0.157	0.046	0.45	4	8	31	0.15	< 20	< 1	< 2	< 10	136	< 10	14	10
B411558	0.201	0.053	0.33	3	8	34	0.23	< 20	2	< 2	< 10	110	< 10	15	11
B411559	0.191	0.054	0.72	4	8	34	0.17	< 20	< 1	< 2	< 10	107	< 10	14	12

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	10	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B411560	0.062	0.034	0.46	< 2	8	41	0.33	< 20	5	< 2	< 10	145	< 10	10	10
B411561	0.156	0.047	1.45	4	8	32	0.22	< 20	1	< 2	< 10	125	< 10	13	11
B411562	0.241	0.047	0.28	4	7	21	0.17	< 20	< 1	< 2	< 10	125	< 10	12	9
B411563	0.239	0.041	0.15	< 2	7	25	0.18	< 20	1	< 2	< 10	138	< 10	10	9
B411564	0.222	0.041	0.35	2	8	31	0.21	< 20	2	< 2	< 10	162	< 10	11	9
B411565	0.188	0.037	0.40	2	7	55	0.20	< 20	1	< 2	< 10	159	< 10	10	7
B411566	0.237	0.041	0.41	< 2	8	25	0.20	< 20	< 1	< 2	< 10	144	< 10	10	10
B411567	0.206	0.034	0.10	< 2	7	38	0.17	< 20	< 1	< 2	< 10	130	< 10	10	7
B411568	0.223	0.044	0.25	< 2	8	34	0.20	< 20	< 1	< 2	< 10	151	< 10	11	10
B411569	0.195	0.043	0.92	4	7	32	0.17	< 20	2	< 2	< 10	149	< 10	11	11
B411570	0.044	0.015	0.68	< 2	2	336	0.06	< 20	3	< 2	< 10	33	< 10	5	1
B411571	0.240	0.044	0.32	4	7	27	0.20	< 20	3	< 2	< 10	142	< 10	11	7
B411572	0.167	0.045	0.50	< 2	7	30	0.24	< 20	3	< 2	< 10	156	< 10	11	8
B411573	0.168	0.041	1.57	2	8	20	0.24	< 20	< 1	< 2	< 10	160	< 10	12	11
B411574	0.218	0.040	0.20	3	8	30	0.23	< 20	4	< 2	< 10	141	< 10	11	7
B411575	0.102	0.035	0.64	4	9	67	0.27	< 20	< 1	< 2	< 10	142	< 10	11	5
B411576	0.110	0.039	0.57	5	9	65	0.29	< 20	3	< 2	< 10	145	< 10	12	6
B411577	0.251	0.043	0.25	2	9	21	0.18	< 20	< 1	< 2	< 10	135	< 10	11	8
B411578	0.192	0.042	0.37	< 2	9	18	0.19	< 20	< 1	< 2	< 10	126	< 10	10	8
B411579	0.184	0.044	0.38	< 2	10	14	0.21	< 20	2	< 2	< 10	137	< 10	10	13
B411580	0.051	0.033	0.24	< 2	7	51	0.37	< 20	4	< 2	< 10	158	< 10	10	9
B411581	0.241	0.045	0.36	2	9	12	0.18	< 20	< 1	< 2	< 10	130	< 10	11	11
B411582	0.256	0.048	0.14	3	9	13	0.23	< 20	2	< 2	< 10	131	< 10	12	10
B411583	0.264	0.047	0.32	3	9	10	0.19	< 20	< 1	< 2	< 10	126	< 10	12	12
B411584	0.262	0.045	0.20	2	9	12	0.18	< 20	< 1	< 2	< 10	125	< 10	11	10
B411585	0.269	0.046	0.19	3	9	13	0.17	< 20	4	< 2	< 10	123	< 10	11	9
B411586	0.262	0.044	0.19	4	9	33	0.19	< 20	2	< 2	< 10	127	< 10	11	7
B411587	0.152	0.048	0.53	4	9	26	0.17	< 20	3	< 2	< 10	161	< 10	12	7
B411588	0.029	0.027	3.03	6	6	28	0.15	< 20	< 1	< 2	< 10	97	< 10	7	10
B411589	0.044	0.041	3.35	6	10	27	0.20	< 20	< 1	< 2	< 10	198	< 10	8	13
B411590	0.032	0.015	0.64	< 2	2	305	0.06	< 20	2	< 2	< 10	34	< 10	5	3
B411591	0.144	0.035	1.33	3	8	36	0.25	< 20	2	< 2	< 10	184	< 10	9	9
B411592	0.206	0.038	0.68	2	8	34	0.20	< 20	< 1	< 2	< 10	183	< 10	9	8
B411593	0.215	0.043	0.97	3	8	32	0.20	< 20	< 1	< 2	< 10	167	< 10	10	12
B411594	0.194	0.047	1.27	4	8	31	0.18	< 20	1	< 2	< 10	151	< 10	10	10
B411595	0.129	0.037	0.57	2	7	27	0.20	< 20	< 1	< 2	< 10	95	< 10	8	7
B411596	0.123	0.035	0.40	< 2	7	25	0.20	< 20	2	< 2	< 10	91	< 10	8	7
B411597	0.112	0.030	0.19	< 2	7	25	0.20	< 20	2	< 2	< 10	74	< 10	6	6
B411598	0.111	0.027	0.15	2	7	28	0.22	< 20	1	< 2	< 10	74	< 10	6	5
B411599	0.151	0.029	0.08	< 2	7	35	0.24	< 20	6	< 2	< 10	71	< 10	7	3
B411600	0.067	0.031	0.55	2	9	42	0.29	< 20	2	< 2	< 10	126	< 10	9	7
B411601	0.128	0.026	0.21	< 2	7	34	0.23	< 20	2	< 2	< 10	64	< 10	7	3
B411602	0.145	0.035	0.20	3	7	36	0.21	< 20	< 1	< 2	< 10	116	< 10	7	5
B411603	0.114	0.031	0.17	3	6	38	0.22	< 20	< 1	< 2	< 10	88	< 10	5	5
B411604	0.117	0.027	0.11	< 2	7	27	0.19	< 20	3	< 2	< 10	71	< 10	5	4
B411605	0.111	0.029	0.41	2	6	27	0.19	< 20	3	< 2	< 10	65	< 10	5	7
B411606	0.107	0.027	0.39	< 2	6	30	0.18	< 20	4	< 2	< 10	62	< 10	5	6
B411607	0.122	0.028	0.26	< 2	6	22	0.20	< 20	2	< 2	< 10	70	< 10	5	6
B411608	0.121	0.028	0.16	< 2	7	16	0.20	< 20	< 1	< 2	< 10	66	< 10	5	6
B411609	0.075	0.031	0.84	2	6	31	0.28	< 20	6	< 2	< 10	95	< 10	4	8
B411610	0.033	0.014	0.50	< 2	2	309	0.05	< 20	< 1	< 2	< 10	32	< 10	4	2

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B411611	0.067	0.029	1.32	3	6	34	0.26	< 20	3	< 2	< 10	90	< 10	5	9
B411612	0.081	0.030	0.61	< 2	6	37	0.29	< 20	2	< 2	< 10	93	< 10	4	8
B411613	0.108	0.030	0.29	2	7	31	0.25	< 20	6	< 2	< 10	86	< 10	5	7
B411614	0.119	0.031	0.14	2	8	31	0.25	< 20	4	< 2	< 10	90	< 10	6	6
B411615	0.118	0.028	0.09	< 2	7	19	0.21	< 20	< 1	< 2	< 10	71	< 10	6	5
B411616	0.123	0.028	0.08	< 2	7	18	0.21	< 20	3	< 2	< 10	72	< 10	6	5
B411617	0.130	0.029	0.14	< 2	7	30	0.19	< 20	1	< 2	< 10	78	< 10	5	5
B411618	0.130	0.030	0.11	< 2	7	39	0.20	< 20	4	< 2	< 10	79	< 10	6	5

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas	0.3	< 0.5	68	994	1	24	89	121	6.82	229	< 10	795	0.9	< 2	0.15	13	76	5.51	20	2	1.04	< 10	0.38
GXR-6 Cert	1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9	0.609
GXR-6 Meas	0.3	< 0.5	68	1010	1	24	91	123	6.94	233	< 10	811	0.9	< 2	0.15	13	77	5.50	20	< 1	1.06	< 10	0.38
GXR-6 Cert	1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9	0.609
GXR-6 Meas	0.3	< 0.5	69	1050	1	24	95	127	7.23	229	< 10	854	0.9	< 2	0.15	13	80	5.75	20	1	1.11	< 10	0.40
GXR-6 Cert	1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9	0.609
GXR-6 Meas	0.3	< 0.5	65	1010	1	23	92	123	6.85	214	< 10	822	0.9	< 2	0.15	13	77	5.42	20	< 1	1.03	< 10	0.38
GXR-6 Cert	1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9	0.609
GXR-6 Meas	0.3	< 0.5	67	1030	< 1	23	94	124	6.94	198	< 10	821	0.9	< 2	0.15	13	78	5.55	20	2	1.05	< 10	0.39
GXR-6 Cert	1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9	0.609
GXR-6 Meas	0.3	0.5	71	1030	< 1	24	93	120	7.22	239	< 10	731	0.9	< 2	0.13	13	76	5.64	20	1	1.14	< 10	0.40
GXR-6 Cert	1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9	0.609
GXR-6 Meas	0.3	< 0.5	70	1050	1	24	96	122	7.03	231	< 10	767	0.9	< 2	0.13	13	78	5.60	20	2	1.13	< 10	0.40
GXR-6 Cert	1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9	0.609
GXR-6 Meas	0.3	< 0.5	69	1040	< 1	23	93	122	7.03	239	< 10	769	0.9	< 2	0.13	13	77	5.53	20	1	1.12	< 10	0.40
GXR-6 Cert	1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9	0.609
OREAS 922 (AQUA REGIA) Meas	0.8	< 0.5	2250	754	< 1	35	59	253	2.87	5		78	0.8	10	0.41	19	45	5.27	< 10		0.45	34	1.33
OREAS 922 (AQUA REGIA) Cert	0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5	1.33
OREAS 922 (AQUA REGIA) Meas	0.7	< 0.5	2100	731	< 1	32	55	251	2.77	7		80	0.8	8	0.40	19	44	5.00	< 10		0.46	34	1.27
OREAS 922 (AQUA REGIA) Cert	0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5	1.33
OREAS 922 (AQUA REGIA) Meas	0.7	< 0.5	2250	782	< 1	34	59	268	3.04	4		92	0.8	8	0.43	20	47	5.35	< 10		0.52	37	1.37
OREAS 922 (AQUA REGIA) Cert	0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5	1.33
OREAS 922 (AQUA REGIA) Meas	0.8	< 0.5	2210	769	< 1	34	56	259	2.95	4		86	0.8	10	0.42	19	46	5.31	< 10		0.49	36	1.35
OREAS 922 (AQUA REGIA) Cert	0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5	1.33
OREAS 922 (AQUA REGIA) Meas	0.7	< 0.5	2100	733	< 1	34	60	254	2.79	5		77	0.7	9	0.40	19	45	5.07	< 10		0.45	34	1.30
OREAS 922 (AQUA REGIA) Cert	0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5	1.33
OREAS 922 (AQUA REGIA) Meas	0.7	< 0.5	2250	732	< 1	34	53	243	2.87	5		73	0.7	7	0.39	19	42	5.15	< 10		0.47	33	1.37
OREAS 922 (AQUA REGIA) Cert	0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5	1.33
OREAS 922 (AQUA REGIA) Meas	0.9	< 0.5	2270	756	< 1	37	58	254	2.94	5		80	0.8	8	0.40	19	45	5.23	< 10		0.49	35	1.38
OREAS 922 (AQUA REGIA) Cert	0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5	1.33

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
OREAS 922 (AQUA REGIA) Meas	1.4	< 0.5	2210	756	< 1	32	58	255	2.89	4		82	0.8	7	0.40	19	45	5.05	< 10		0.50	34	1.34
OREAS 922 (AQUA REGIA) Cert	0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5	1.33
OREAS 923 (AQUA REGIA) Meas	1.6	< 0.5	4250	831	< 1	33	77	322	2.81	5		68	0.7	19	0.41	20	41	5.79	< 10		0.40	31	1.36
OREAS 923 (AQUA REGIA) Cert	1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0	1.43
OREAS 923 (AQUA REGIA) Meas	1.6	< 0.5	4430	879	< 1	34	79	339	3.02	5		73	0.7	22	0.42	21	44	6.15	< 10		0.43	34	1.47
OREAS 923 (AQUA REGIA) Cert	1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0	1.43
OREAS 923 (AQUA REGIA) Meas	1.6	< 0.5	4450	886	< 1	33	81	340	2.99	8		74	0.7	19	0.42	21	43	6.19	< 10		0.43	34	1.47
OREAS 923 (AQUA REGIA) Cert	1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0	1.43
OREAS 923 (AQUA REGIA) Meas	10.4	< 0.5	4210	842	< 1	31	78	334	2.85	4		66	0.7	29	0.41	22	42	5.87	< 10		0.40	32	1.40
OREAS 923 (AQUA REGIA) Cert	1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0	1.43
OREAS 923 (AQUA REGIA) Meas	2.4	< 0.5	4520	870	< 1	32	77	337	2.98	8		70	0.7	23	0.41	22	42	6.03	< 10		0.44	33	1.48
OREAS 923 (AQUA REGIA) Cert	1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0	1.43
OREAS 923 (AQUA REGIA) Meas	1.5	< 0.5	4270	844	< 1	32	76	322	2.86	7		68	0.7	24	0.40	21	41	5.76	< 10		0.43	32	1.41
OREAS 923 (AQUA REGIA) Cert	1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0	1.43
Oreas 96 (Aqua Regia) Meas	10.7		> 10000				89	423						70		47							
Oreas 96 (Aqua Regia) Cert	11.50		39100.00				100	448						27.9		49.2							
Oreas 96 (Aqua Regia) Meas	10.7		> 10000				88	422						79		48							
Oreas 96 (Aqua Regia) Cert	11.50		39100.00				100	448						27.9		49.2							
Oreas 96 (Aqua Regia) Meas	10.3		> 10000				86	410						82		47							
Oreas 96 (Aqua Regia) Cert	11.50		39100.00				100	448						27.9		49.2							
OREAS 923 (4 Acid) Meas	1.7	< 0.5	4470	847	< 1	33	79	334	2.85	5		65	0.7	25	0.40	21	42	6.03	< 10		0.39	32	1.41
OREAS 923 (4 Acid) Cert	1.60	0.420	4230	950	0.930	35.8	83.0	345	7.29	7.61		434	2.42	21.4	0.473	23.1	71.0	6.43	20.3		2.51	42.2	1.69
Oreas 621 (Aqua Regia) Meas	67.0	284	3580	517	13	28	> 5000	> 10000	1.71	79			0.6	10	1.61	30	34	3.45	10	4	0.36	18	0.42
Oreas 621 (Aqua	68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4	0.436

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Regia) Cert																							
Oreas 621 (Aqua Regia) Meas	65.3	283	3540	510	13	25	> 5000	> 10000	1.70	77			0.6	6	1.61	31	30	3.35	< 10	4	0.35	17	0.41
Oreas 621 (Aqua Regia) Cert	68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4	0.436
Oreas 621 (Aqua Regia) Meas	68.4	293	3650	547	13	26	> 5000	> 10000	1.83	79			0.6	10	1.56	31	33	3.52	10	4	0.38	19	0.44
Oreas 621 (Aqua Regia) Cert	68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4	0.436
Oreas 621 (Aqua Regia) Meas	68.1	293	3630	546	13	27	> 5000	> 10000	1.85	80			0.6	7	1.64	32	35	3.53	10	4	0.38	19	0.44
Oreas 621 (Aqua Regia) Cert	68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4	0.436
Oreas 621 (Aqua Regia) Meas	65.3	283	3500	527	13	25	> 5000	> 10000	1.79	74			0.6	8	1.60	31	32	3.37	10	4	0.38	19	0.43
Oreas 621 (Aqua Regia) Cert	68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4	0.436
Oreas 621 (Aqua Regia) Meas	66.1	276	3590	515	13	27	> 5000	> 10000	1.76	78			0.6	7	1.57	29	35	3.30	< 10	4	0.38	18	0.43
Oreas 621 (Aqua Regia) Cert	68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4	0.436
Oreas 621 (Aqua Regia) Meas	67.3	283	3650	522	13	25	> 5000	> 10000	1.78	81			0.6	6	1.60	30	32	3.34	10	4	0.38	18	0.44
Oreas 621 (Aqua Regia) Cert	68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4	0.436
Oreas 621 (Aqua Regia) Meas	65.1	278	3490	512	13	23	> 5000	> 10000	1.71	77			0.6	8	1.53	31	27	3.23	10	3	0.37	18	0.42
Oreas 621 (Aqua Regia) Cert	68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4	0.436
OREAS 45f (Aqua Regia) Meas			352	173	< 1	234	8	27	7.48			139	1.1	< 2	0.07	40	347	14.0	20	< 1	0.11	10	0.18
OREAS 45f (Aqua Regia) Cert			336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750	39.2	341	13.7	20.3	0.0310	0.0820	10.7	0.152
OREAS 45f (Aqua Regia) Meas			337	167	< 1	233	10	27	7.26			139	1.0	< 2	0.07	39	345	13.7	20	< 1	0.10	10	0.17
OREAS 45f (Aqua Regia) Cert			336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750	39.2	341	13.7	20.3	0.0310	0.0820	10.7	0.152
OREAS 45f (Aqua Regia) Meas			350	168	< 1	234	7	26	7.47			135	1.1	< 2	0.07	40	339	14.0	20	< 1	0.11	10	0.18
OREAS 45f (Aqua Regia) Cert			336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750	39.2	341	13.7	20.3	0.0310	0.0820	10.7	0.152
OREAS 45f (Aqua Regia) Meas			350	168	< 1	228	9	26	7.45			139	1.0	3	0.07	39	342	13.9	20	< 1	0.11	10	0.18
OREAS 45f (Aqua Regia) Cert			336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750	39.2	341	13.7	20.3	0.0310	0.0820	10.7	0.152
OREAS 45f (Aqua Regia) Meas			344	174	< 1	226	12	26	7.46			138	1.0	2	0.07	37	336	13.7	20	< 1	0.11	11	0.18
OREAS 45f (Aqua Regia) Cert			336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750	39.2	341	13.7	20.3	0.0310	0.0820	10.7	0.152
B411393 Orig	0.4	< 0.5	170	623	29	192	3	64	3.01	11	< 10	15	< 0.5	< 2	1.11	56	139	6.74	< 10	< 1	0.08	< 10	3.24
B411393 Dup	0.4	< 0.5	171	621	29	184	4	63	3.00	12	< 10	15	< 0.5	< 2	1.09	54	138	6.66	< 10	< 1	0.08	< 10	3.20
B411407 Orig	0.6	< 0.5	224	738	2	47	< 2	67	1.86	6	< 10	29	< 0.5	< 2	2.37	40	33	6.60	< 10	1	0.14	< 10	1.58
B411407 Dup	0.6	< 0.5	220	746	1	47	< 2	67	1.85	6	< 10	29	< 0.5	< 2	2.36	40	33	6.54	< 10	< 1	0.13	< 10	1.55
B411423 Orig	0.5	< 0.5	45	728	41	101	< 2	34	1.26	< 2	< 10	49	< 0.5	< 2	4.23	29	278	3.30	< 10	< 1	0.19	< 10	1.76
B411423 Dup	0.5	< 0.5	45	737	43	103	< 2	34	1.28	< 2	< 10	49	< 0.5	< 2	4.29	30	284	3.37	< 10	< 1	0.19	< 10	1.79
B411432 Split PREP DUP	0.5	< 0.5	189	917	< 1	10	36	120	2.59	484	< 10	27	< 0.5	< 2	3.26	36	1	9.07	10	2	0.33	< 10	1.27

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2		0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B411432 Orig	1.3	< 0.5	168	670	9	154	6	40	1.77	17	< 10	38	< 0.5	< 2	1.75	49	180	6.74	< 10	< 1	0.46	< 10	1.76
B411432 Dup	1.2	< 0.5	171	677	9	162	4	40	1.80	16	< 10	28	< 0.5	< 2	1.78	52	184	6.88	< 10	< 1	0.47	< 10	1.79
B411436 Orig	1.9	< 0.5	228	390	73	180	4	58	1.95	7	< 10	38	< 0.5	< 2	1.62	40	439	3.80	< 10	< 1	0.94	45	2.40
B411436 Dup	1.7	< 0.5	228	392	72	179	< 2	58	1.93	7	< 10	38	< 0.5	< 2	1.63	40	432	3.76	< 10	< 1	0.92	45	2.40
B411524 Orig	0.2	< 0.5	83	813	< 1	124	5	82	2.42	33	< 10	149	< 0.5	< 2	4.33	35	247	5.77	< 10	2	1.58	46	2.32
B411524 Dup	< 0.2	< 0.5	85	814	< 1	123	4	83	2.41	39	< 10	231	< 0.5	< 2	4.31	37	246	5.79	< 10	< 1	1.58	47	2.32
B411538 Orig	0.2	< 0.5	425	894	< 1	24	< 2	77	2.84	80	< 10	< 10	< 0.5	2	3.00	53	18	9.71	10	< 1	0.05	< 10	1.75
B411538 Dup	0.2	< 0.5	423	896	< 1	28	< 2	77	2.85	72	< 10	< 10	< 0.5	< 2	2.99	51	18	9.73	10	1	0.05	< 10	1.74
B411557 Orig	0.5	1.0	192	958	< 1	11	38	124	2.74	516	< 10	27	< 0.5	< 2	3.38	39	1	9.58	10	2	0.34	< 10	1.35
B411557 Split PREP DUP	1.1	< 0.5	154	607	9	153	5	38	1.57	14	< 10	62	< 0.5	< 2	1.56	47	175	6.29	< 10	1	0.42	< 10	1.52
B411557 Orig	0.5	0.7	190	942	< 1	11	39	123	2.70	511	< 10	27	< 0.5	< 2	3.34	40	1	9.45	10	2	0.34	< 10	1.33
B411557 Dup	0.5	1.3	194	974	< 1	10	38	124	2.78	520	< 10	28	< 0.5	< 2	3.43	37	1	9.71	10	3	0.35	< 10	1.37
B411560 Orig	1.1	< 0.5	134	647	2	110	14	66	2.98	30	32	36	< 0.5	< 2	2.80	32	267	5.41	< 10	2	0.13	< 10	2.54
B411560 Dup	1.1	< 0.5	133	653	2	109	14	67	2.98	30	31	36	< 0.5	< 2	2.84	30	271	5.45	< 10	2	0.13	< 10	2.56
B411574 Orig	0.3	< 0.5	191	872	< 1	14	< 2	94	2.45	39	< 10	40	< 0.5	< 2	2.85	40	2	8.02	< 10	2	0.35	< 10	1.19
B411574 Dup	0.4	< 0.5	194	884	< 1	16	< 2	94	2.49	39	< 10	40	< 0.5	< 2	2.90	43	2	8.09	< 10	< 1	0.35	< 10	1.21
B411587 Orig	0.3	< 0.5	197	785	< 1	8	< 2	109	2.42	235	< 10	30	< 0.5	< 2	2.87	46	2	8.91	10	2	0.40	< 10	1.14
B411587 Dup	0.3	< 0.5	190	762	< 1	7	< 2	104	2.34	212	< 10	28	< 0.5	< 2	2.76	41	1	8.58	10	< 1	0.39	< 10	1.10
B411601 Orig	< 0.2	< 0.5	191	559	< 1	65	< 2	35	1.13	40	< 10	< 10	< 0.5	< 2	2.87	41	143	3.52	< 10	< 1	0.04	< 10	1.15
B411601 Dup	0.2	< 0.5	187	555	< 1	63	< 2	35	1.11	40	< 10	< 10	< 0.5	< 2	2.82	39	141	3.45	< 10	< 1	0.04	< 10	1.13
B411607 Orig	< 0.2	< 0.5	174	625	4	80	< 2	47	1.32	33	< 10	13	< 0.5	< 2	3.01	43	153	4.04	< 10	< 1	0.09	< 10	1.48
B411607 Split PREP DUP	< 0.2	< 0.5	176	558	3	77	< 2	42	1.20	29	< 10	12	< 0.5	< 2	2.80	40	136	3.64	< 10	< 1	0.08	< 10	1.27
B411608 Orig	< 0.2	< 0.5	189	555	2	68	< 2	38	1.08	31	< 10	26	< 0.5	< 2	2.53	38	144	3.50	< 10	< 1	0.13	< 10	1.34
B411608 Dup	< 0.2	< 0.5	189	536	2	66	< 2	37	1.05	31	< 10	27	< 0.5	< 2	2.46	38	139	3.38	< 10	< 1	0.13	< 10	1.31
B411616 Orig	< 0.2	< 0.5	213	595	< 1	68	< 2	53	1.34	57	< 10	13	< 0.5	< 2	2.47	46	155	3.83	< 10	< 1	0.07	< 10	1.47
B411616 Dup	< 0.2	< 0.5	216	607	< 1	68	< 2	50	1.37	52	< 10	14	< 0.5	< 2	2.54	42	159	3.90	< 10	< 1	0.07	< 10	1.48
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01



Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas	0.125	0.034	0.01	4	19	33		< 20	< 1	< 2	< 10	163	< 10	5	8
GXR-6 Cert	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
GXR-6 Meas	0.126	0.035	0.01	3	20	33		< 20	< 1	< 2	< 10	168	< 10	5	10
GXR-6 Cert	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
GXR-6 Meas	0.145	0.035	0.01	4	20	36		< 20	< 1	< 2	< 10	172	< 10	5	8
GXR-6 Cert	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
GXR-6 Meas	0.138	0.033	0.01	3	20	33		< 20	< 1	< 2	< 10	163	< 10	5	7
GXR-6 Cert	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
GXR-6 Meas	0.138	0.033	0.01	2	20	34		< 20	< 1	< 2	< 10	161	< 10	5	4
GXR-6 Cert	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
GXR-6 Meas	0.116	0.035	0.01	3	22	34		< 20	3	< 2	< 10	165	< 10	5	7
GXR-6 Cert	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
GXR-6 Meas	0.125	0.035	0.01	2	22	34		< 20	< 1	< 2	< 10	166	< 10	5	6
GXR-6 Cert	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
GXR-6 Meas	0.126	0.034	0.01	4	21	33		< 20	< 1	< 2	< 10	168	< 10	5	8
GXR-6 Cert	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
OREAS 922 (AQUA REGIA) Meas	0.027	0.065	0.36	2	4	17		< 20		< 2	< 10	34	< 10	19	22
OREAS 922 (AQUA REGIA) Cert	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas	0.028	0.063	0.34	2	4	16		< 20		< 2	< 10	35	< 10	19	18
OREAS 922 (AQUA REGIA) Cert	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas	0.034	0.065	0.38	2	4	18		< 20		< 2	< 10	38	< 10	21	13
OREAS 922 (AQUA REGIA) Cert	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas	0.029	0.064	0.37	3	4	17		< 20		< 2	< 10	37	< 10	20	16
OREAS 922 (AQUA REGIA) Cert	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas	0.030	0.059	0.35	2	4	16		< 20		< 2	< 10	34	< 10	19	8
OREAS 922 (AQUA REGIA) Cert	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas	0.026	0.063	0.36	< 2	4	18		< 20		< 2	< 10	33	< 10	19	17
OREAS 922 (AQUA REGIA) Cert	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas	0.029	0.064	0.37	3	4	18		< 20		< 2	< 10	35	< 10	20	13
OREAS 922 (AQUA REGIA) Cert	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
OREAS 922 (AQUA REGIA) Meas	0.028	0.062	0.36	3	4	18		< 20		< 2	< 10	36	< 10	20	22
OREAS 922 (AQUA REGIA) Cert	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 923 (AQUA REGIA) Meas		0.060	0.63	< 2	4	14		< 20		< 2	< 10	34	< 10	17	27
OREAS 923 (AQUA REGIA) Cert		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 923 (AQUA REGIA) Meas		0.061	0.68	3	4	15		< 20		< 2	< 10	37	< 10	19	19
OREAS 923 (AQUA REGIA) Cert		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 923 (AQUA REGIA) Meas		0.061	0.68	2	4	15		< 20		< 2	< 10	37	< 10	19	24
OREAS 923 (AQUA REGIA) Cert		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 923 (AQUA REGIA) Meas		0.058	0.64	< 2	4	15		< 20		< 2	< 10	35	< 10	17	19
OREAS 923 (AQUA REGIA) Cert		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 923 (AQUA REGIA) Meas		0.062	0.68	2	4	16		< 20		< 2	< 10	36	< 10	19	25
OREAS 923 (AQUA REGIA) Cert		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 923 (AQUA REGIA) Meas		0.058	0.65	< 2	4	15		< 20		< 2	< 10	35	< 10	18	27
OREAS 923 (AQUA REGIA) Cert		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
Oreas 96 (Aqua Regia) Meas			4.03	5											
Oreas 96 (Aqua Regia) Cert			4.38	4.53											
Oreas 96 (Aqua Regia) Meas			3.97	6											
Oreas 96 (Aqua Regia) Cert			4.38	4.53											
Oreas 96 (Aqua Regia) Meas			3.76	6											
Oreas 96 (Aqua Regia) Cert			4.38	4.53											
OREAS 923 (4 Acid) Meas	0.021	0.062	0.65	2	4	15	0.19	< 20		< 2	< 10	34	< 10	17	30
OREAS 923 (4 Acid) Cert	0.324	0.0630	0.691	1.29	13.1	43.0	0.405	16.5		0.860	3.06	91.0	4.85	26.4	116
Oreas 621 (Aqua Regia) Meas	0.151	0.034	4.31	111	2	19		< 20		< 2	< 10	12	< 10	7	64
Oreas 621 (Aqua	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Regia) Cert															
Oreas 621 (Aqua Regia) Meas	0.149	0.034	4.27	108	2	18		< 20		< 2	< 10	12	< 10	7	65
Oreas 621 (Aqua Regia) Cert	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
Oreas 621 (Aqua Regia) Meas	0.162	0.035	4.49	117	2	19		< 20		< 2	< 10	13	< 10	7	69
Oreas 621 (Aqua Regia) Cert	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
Oreas 621 (Aqua Regia) Meas	0.164	0.035	4.58	120	2	20		< 20		< 2	< 10	13	< 10	7	71
Oreas 621 (Aqua Regia) Cert	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
Oreas 621 (Aqua Regia) Meas	0.159	0.034	4.40	106	2	21		< 20		< 2	< 10	13	< 10	7	67
Oreas 621 (Aqua Regia) Cert	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
Oreas 621 (Aqua Regia) Meas	0.136	0.033	4.27	104	2	21		< 20		< 2	< 10	12	< 10	7	61
Oreas 621 (Aqua Regia) Cert	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
Oreas 621 (Aqua Regia) Meas	0.142	0.034	4.46	103	2	20		< 20		< 2	< 10	12	< 10	7	63
Oreas 621 (Aqua Regia) Cert	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
Oreas 621 (Aqua Regia) Meas	0.140	0.032	4.40	103	2	20		< 20		< 2	< 10	12	< 10	7	61
Oreas 621 (Aqua Regia) Cert	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
OREAS 45f (Aqua Regia) Meas	0.044	0.022	0.02		28	16	0.14	< 20		< 2	< 10	204		5	18
OREAS 45f (Aqua Regia) Cert	0.0320	0.0220	0.0270		31.4	13.2	0.0970	7.67		0.120	1.09	217		6.74	30.0
OREAS 45f (Aqua Regia) Meas	0.047	0.020	0.02		27	16	0.10	< 20		< 2	< 10	190		5	8
OREAS 45f (Aqua Regia) Cert	0.0320	0.0220	0.0270		31.4	13.2	0.0970	7.67		0.120	1.09	217		6.74	30.0
OREAS 45f (Aqua Regia) Meas	0.043	0.021	0.02		30	17	0.11	< 20		< 2	< 10	200		5	13
OREAS 45f (Aqua Regia) Cert	0.0320	0.0220	0.0270		31.4	13.2	0.0970	7.67		0.120	1.09	217		6.74	30.0
OREAS 45f (Aqua Regia) Meas	0.045	0.021	0.02		29	16	0.10	< 20		2	< 10	199		5	10
OREAS 45f (Aqua Regia) Cert	0.0320	0.0220	0.0270		31.4	13.2	0.0970	7.67		0.120	1.09	217		6.74	30.0
OREAS 45f (Aqua Regia) Meas	0.043	0.021	0.02		29	16	0.14	< 20		< 2	< 10	203		5	18
OREAS 45f (Aqua Regia) Cert	0.0320	0.0220	0.0270		31.4	13.2	0.0970	7.67		0.120	1.09	217		6.74	30.0
B411393 Orig	0.059	0.058	0.45	3	13	8	0.17	< 20	2	< 2	< 10	111	< 10	5	9
B411393 Dup	0.058	0.059	0.45	2	12	8	0.18	< 20	< 1	< 2	< 10	110	< 10	5	13
B411407 Orig	0.228	0.040	0.31	< 2	10	13	0.16	< 20	< 1	< 2	< 10	127	< 10	8	8
B411407 Dup	0.226	0.039	0.30	2	10	13	0.17	< 20	1	< 2	< 10	127	< 10	8	8
B411423 Orig	0.105	0.018	0.27	< 2	10	102	0.20	< 20	< 1	< 2	< 10	65	< 10	4	5
B411423 Dup	0.107	0.018	0.28	< 2	11	105	0.20	< 20	< 1	< 2	< 10	67	< 10	4	5
B411432 Split PREP DUP	0.145	0.047	0.43	4	8	29	0.17	< 20	< 1	< 2	< 10	129	< 10	13	10

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B411432 Orig	0.107	0.026	1.96	2	13	55	0.25	< 20	2	< 2	< 10	115	< 10	6	9
B411432 Dup	0.107	0.026	2.02	< 2	13	55	0.24	< 20	2	< 2	< 10	117	< 10	6	9
B411436 Orig	0.083	0.202	0.69	< 2	9	85	0.24	< 20	2	< 2	< 10	88	< 10	9	6
B411436 Dup	0.084	0.201	0.67	< 2	9	84	0.24	< 20	1	< 2	< 10	87	< 10	9	6
B411524 Orig	0.065	0.168	0.35	4	6	102	0.17	< 20	2	< 2	< 10	110	< 10	11	2
B411524 Dup	0.072	0.219	0.36	2	6	103	0.26	< 20	2	< 2	< 10	111	< 10	11	6
B411538 Orig	0.089	0.043	0.61	4	9	30	0.27	< 20	< 1	< 2	< 10	159	< 10	12	8
B411538 Dup	0.091	0.043	0.60	2	9	30	0.28	< 20	< 1	< 2	< 10	161	< 10	12	9
B411557 Orig	0.157	0.046	0.45	4	8	31	0.15	< 20	< 1	< 2	< 10	136	< 10	14	10
B411557 Split PREP DUP	0.103	0.025	1.81	< 2	11	45	0.24	< 20	2	< 2	< 10	108	< 10	5	9
B411557 Orig	0.152	0.046	0.45	4	8	31	0.14	< 20	< 1	< 2	< 10	134	< 10	13	9
B411557 Dup	0.161	0.047	0.46	4	9	32	0.16	< 20	1	< 2	< 10	139	< 10	14	10
B411560 Orig	0.061	0.034	0.46	3	8	40	0.32	< 20	5	2	< 10	144	< 10	10	11
B411560 Dup	0.062	0.034	0.47	< 2	8	41	0.34	< 20	6	< 2	< 10	145	< 10	10	10
B411574 Orig	0.216	0.040	0.21	3	8	30	0.23	< 20	3	< 2	< 10	139	< 10	11	7
B411574 Dup	0.221	0.040	0.20	3	8	30	0.23	< 20	5	< 2	< 10	143	< 10	11	7
B411587 Orig	0.157	0.048	0.54	4	9	26	0.16	< 20	2	< 2	< 10	164	< 10	12	6
B411587 Dup	0.147	0.047	0.52	4	8	25	0.17	< 20	3	< 2	< 10	159	< 10	12	7
B411601 Orig	0.128	0.026	0.22	< 2	7	33	0.22	< 20	1	< 2	< 10	65	< 10	7	3
B411601 Dup	0.128	0.026	0.21	< 2	7	34	0.23	< 20	3	< 2	< 10	64	< 10	7	4
B411607 Orig	0.122	0.028	0.26	< 2	6	22	0.20	< 20	2	< 2	< 10	70	< 10	5	6
B411607 Split PREP DUP	0.102	0.028	0.25	< 2	5	21	0.21	< 20	1	< 2	< 10	60	< 10	5	6
B411608 Orig	0.122	0.028	0.16	< 2	7	16	0.20	< 20	3	< 2	< 10	67	< 10	5	6
B411608 Dup	0.120	0.028	0.16	< 2	7	16	0.19	< 20	< 1	< 2	< 10	65	< 10	5	5
B411616 Orig	0.120	0.028	0.08	< 2	7	17	0.21	< 20	3	< 2	< 10	71	< 10	6	5
B411616 Dup	0.126	0.028	0.08	< 2	7	18	0.22	< 20	4	< 2	< 10	73	< 10	6	5
Method Blank	0.006	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.008	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.006	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.006	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.009	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.007	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.007	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.006	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.006	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.006	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.008	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.006	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.009	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.008	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.008	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1



Report No.: A21-18623-1E3  
 Report Date: 18-Jan-22  
 Date Submitted: 04-Oct-21  
 Your Reference: LINGMAN LAKE FALL 2021

**SIGNATURE RESOURCES LTD**  
 366 Bay Street, suite 200  
 Toronto ON M5H 4B2  
 Canada

ATTN: Robert Vallis

## CERTIFICATE OF ANALYSIS

55 Core samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1E3-Tbay	QOP AquaGeo (Aqua Regia ICPOES)	2021-12-01 21:26:29

REPORT **A21-18623-1E3**

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

Notes:

Values which exceed the upper limit should be assayed for accurate numbers.

Footnote: insufficient material for sample B411710.



LabID: 673

**ACTIVATION LABORATORIES LTD.**  
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CERTIFIED BY:

Emmanuel Esemé, Ph.D.  
 Quality Control Coordinator

## Results

## Activation Laboratories Ltd.

## Report: A21-18623

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B411707	0.3	< 0.5	10	3060	3	19	7	31	0.24	15	< 10	14	< 0.5	< 2	> 10.0	11	22	4.19	< 10	< 1	0.10	< 10	7.14
B411708	1.0	< 0.5	104	1420	8	78	4	108	1.97	34	< 10	< 10	< 0.5	< 2	5.32	47	108	8.37	< 10	< 1	0.08	11	4.18
B411709	1.8	< 0.5	107	1650	16	89	7	106	2.02	7	< 10	20	< 0.5	< 2	7.09	38	108	8.33	< 10	< 1	0.08	< 10	4.34
B411711	4.0	< 0.5	385	1140	62	184	3	239	4.52	34	< 10	10	< 0.5	< 2	4.56	98	145	12.5	20	< 1	0.06	< 10	4.56
B411712	1.1	< 0.5	136	1120	10	69	5	103	2.04	19	< 10	< 10	< 0.5	< 2	4.60	38	79	8.00	< 10	< 1	0.04	< 10	3.84
B411713	0.3	< 0.5	99	1080	16	56	< 2	114	2.72	14	< 10	11	< 0.5	< 2	4.12	47	53	8.62	10	< 1	0.07	< 10	4.54
B411714	0.4	< 0.5	61	1170	23	53	3	98	2.43	10	< 10	12	< 0.5	< 2	4.07	43	56	8.55	< 10	< 1	0.06	< 10	4.28
B411715	0.3	< 0.5	134	1060	6	63	< 2	117	2.31	15	< 10	16	< 0.5	< 2	3.31	50	59	9.45	10	< 1	0.07	< 10	3.77
B411716	0.3	< 0.5	126	1080	12	58	2	119	2.38	14	< 10	17	< 0.5	< 2	3.35	51	59	9.46	10	< 1	0.07	< 10	3.87
B411717	0.4	< 0.5	64	1160	5	41	3	77	1.33	15	< 10	24	< 0.5	< 2	5.29	39	48	7.52	< 10	< 1	0.09	< 10	3.69
B411718	0.6	< 0.5	301	1160	4	53	2	107	1.95	24	< 10	< 10	< 0.5	< 2	4.97	47	51	8.17	< 10	< 1	0.05	< 10	3.97
B411719	2.9	< 0.5	548	896	17	247	3	112	2.07	92	< 10	18	< 0.5	< 2	3.59	90	70	6.82	< 10	< 1	0.08	18	3.54
B411720	1.2	< 0.5	137	640	3	112	17	66	3.12	34	35	40	< 0.5	< 2	2.73	31	247	5.44	< 10	< 1	0.15	< 10	2.58
B411721	0.6	< 0.5	70	1030	4	88	2	82	1.53	20	< 10	19	< 0.5	< 2	4.28	47	49	6.46	< 10	< 1	0.07	< 10	3.19
B411722	1.9	< 0.5	65	869	82	134	4	64	1.29	32	< 10	12	< 0.5	< 2	3.91	50	83	6.24	< 10	< 1	0.05	< 10	2.87
B411723	2.3	< 0.5	175	727	35	138	7	33	0.59	65	< 10	15	< 0.5	< 2	3.73	45	102	4.12	< 10	< 1	0.06	13	2.25
B411724	17.7	< 0.5	309	238	13	26	32	27	0.63	80	< 10	13	< 0.5	< 2	1.21	26	22	4.03	< 10	< 1	0.05	< 10	0.83
B411725	10.3	< 0.5	314	183	26	37	36	57	1.15	208	< 10	10	< 0.5	< 2	0.92	51	14	6.68	< 10	< 1	0.04	< 10	1.28
B411726	5.5	< 0.5	113	824	8	145	20	73	1.26	156	< 10	< 10	< 0.5	< 2	3.76	39	312	6.15	< 10	< 1	0.02	< 10	3.10
B411727	3.4	< 0.5	130	447	21	70	13	44	0.84	74	< 10	< 10	< 0.5	< 2	1.84	26	160	4.40	< 10	< 1	0.02	< 10	1.66
B411728	6.1	< 0.5	207	362	44	43	28	128	2.35	118	< 10	< 10	< 0.5	< 2	1.13	57	22	10.4	10	< 1	0.04	< 10	2.49
B411729	7.7	< 0.5	265	1050	2510	72	36	110	2.31	48	< 10	12	< 0.5	< 2	8.36	40	30	7.34	< 10	2	0.05	34	4.14
B411730	0.3	< 0.5	13	87	4	9	46	70	1.46	8	34	80	< 0.5	< 2	> 10.0	2	22	1.33	< 10	< 1	0.03	< 10	1.70
B411731	2.2	< 0.5	91	688	1980	52	18	52	2.21	30	< 10	63	< 0.5	< 2	5.67	36	65	5.58	< 10	1	0.24	25	2.81
B411732	0.2	< 0.5	27	756	57	39	< 2	56	2.90	3	< 10	43	< 0.5	< 2	4.04	33	29	5.98	< 10	< 1	0.30	< 10	2.64
B411733	1.1	< 0.5	228	580	17	25	< 2	34	1.76	< 2	< 10	44	< 0.5	< 2	2.50	31	9	4.78	< 10	< 1	0.24	< 10	1.56
B411737	0.6	< 0.5	37	476	< 1	26	43	66	1.06	5	< 10	14	< 0.5	< 2	2.13	13	28	2.46	< 10	< 1	0.08	< 10	1.01
B411738	0.4	< 0.5	24	750	1	70	2	104	2.61	2	< 10	311	< 0.5	< 2	3.44	36	103	6.24	< 10	< 1	1.74	< 10	2.42
B411739	1.5	8.7	42	927	1	68	47	584	1.95	< 2	< 10	45	< 0.5	< 2	4.45	28	93	6.17	< 10	< 1	1.59	< 10	2.12
B411740	0.3	< 0.5	159	721	< 1	54	11	83	4.04	28	30	22	< 0.5	< 2	3.20	30	18	5.92	10	< 1	0.09	< 10	1.73
B411741	1.1	1.3	36	1110	< 1	21	82	129	0.80	3	< 10	64	< 0.5	< 2	7.45	16	28	3.77	< 10	< 1	0.42	13	1.65
B411742	0.7	< 0.5	48	1280	< 1	35	11	74	1.70	3	< 10	26	< 0.5	< 2	9.37	17	37	5.07	< 10	< 1	0.16	< 10	2.69
B411743	1.7	< 0.5	150	1740	2	80	10	160	4.54	3	< 10	54	< 0.5	3	4.62	43	117	11.8	20	< 1	0.25	< 10	4.30
B411747	6.3	4.3	360	640	23	257	9	946	2.40	267	< 10	24	< 0.5	< 2	1.42	116	124	8.49	10	< 1	0.09	19	2.14
B411748	3.8	< 0.5	486	667	25	111	3	151	2.44	5	< 10	33	< 0.5	< 2	2.01	53	17	8.43	10	< 1	0.23	< 10	2.01
B411749	3.9	< 0.5	461	662	32	32	3	104	1.75	3	< 10	42	< 0.5	< 2	3.30	45	11	6.20	< 10	< 1	0.20	< 10	1.21
B411773	5.5	1.2	230	900	33	53	28	184	3.22	11	< 10	35	< 0.5	3	7.80	52	53	8.78	10	< 1	0.63	19	4.42
B411779	0.5	< 0.5	131	603	15	24	7	63	2.05	< 2	< 10	77	< 0.5	< 2	2.78	21	23	3.65	< 10	< 1	0.48	25	1.36
B411780	2.2	0.7	170	668	1	46	27	117	3.46	65	59	38	< 0.5	< 2	2.86	27	25	5.69	< 10	< 1	0.16	< 10	1.60
B411781	< 0.2	< 0.5	5	266	< 1	5	12	34	1.12	6	< 10	97	< 0.5	< 2	1.01	7	4	1.77	< 10	< 1	0.54	54	0.44
B411782	< 0.2	< 0.5	9	262	1	5	7	31	1.20	3	< 10	67	< 0.5	< 2	0.85	6	4	1.65	< 10	< 1	0.38	48	0.48
B411783	< 0.2	< 0.5	5	251	< 1	5	11	36	1.08	2	< 10	82	< 0.5	< 2	0.75	7	4	1.72	< 10	< 1	0.53	53	0.44
B411784	< 0.2	< 0.5	10	279	< 1	4	11	35	1.13	5	< 10	83	< 0.5	< 2	0.87	7	4	1.68	< 10	< 1	0.52	54	0.46
B411785	< 0.2	< 0.5	10	275	< 1	6	8	35	1.10	< 2	< 10	92	< 0.5	< 2	0.87	6	4	1.53	< 10	< 1	0.57	53	0.44
B411786	< 0.2	< 0.5	11	262	< 1	5	7	35	1.02	< 2	< 10	85	< 0.5	< 2	0.87	6	4	1.44	< 10	< 1	0.50	48	0.44
B411787	< 0.2	< 0.5	8	243	< 1	5	6	28	1.16	9	< 10	71	< 0.5	< 2	1.24	6	4	1.45	< 10	< 1	0.25	51	0.44
B411788	< 0.2	< 0.5	10	224	< 1	5	5	29	1.05	2	< 10	91	< 0.5	< 2	1.22	6	4	1.32	< 10	< 1	0.30	50	0.42
B411789	< 0.2	< 0.5	6	267	< 1	6	8	32	1.09	4	< 10	106	< 0.5	< 2	1.38	6	4	1.49	< 10	< 1	0.50	51	0.43
B411790	0.4	< 0.5	10	81	< 1	10	48	62	1.41	7	34	43	< 0.5	< 2	> 10.0	2	18	1.27	< 10	< 1	0.03	< 10	1.62
B411791	< 0.2	< 0.5	3	259	< 1	4	11	34	1.11	< 2	< 10	127	< 0.5	< 2	1.85	6	4	1.62	< 10	< 1	0.60	50	0.46
B411792	0.2	< 0.5	32	351	< 1	6	11	44	1.19	< 2	< 10	140	< 0.5	< 2	1.55	7	6	1.91	< 10	< 1	0.62	54	0.55

**Results**

**Activation Laboratories Ltd.**

**Report: A21-18623**

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B411793	0.4	< 0.5	101	587	1	31	6	92	2.49	3	< 10	120	< 0.5	< 2	2.39	23	40	3.90	< 10	< 1	0.79	25	1.57
B411794	0.3	< 0.5	85	549	2	36	2	37	2.81	2	< 10	14	< 0.5	< 2	2.43	24	39	3.83	< 10	< 1	0.10	< 10	1.66
B411795	0.6	< 0.5	131	436	8	36	3	29	3.28	< 2	14	17	< 0.5	< 2	2.43	21	27	3.07	< 10	1	0.12	< 10	1.36

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B411707	0.026	0.006	0.52	3	10	353	0.04	< 20	2	< 2	< 10	25	< 10	5	4
B411708	0.039	0.033	0.56	4	23	133	0.10	< 20	< 1	< 2	< 10	158	< 10	7	11
B411709	0.035	0.035	1.23	9	25	142	0.11	< 20	1	< 2	< 10	160	< 10	6	14
B411711	0.021	0.079	1.56	8	31	123	0.08	< 20	< 1	< 2	< 10	254	< 10	7	18
B411712	0.050	0.038	0.36	6	22	161	0.11	< 20	< 1	< 2	< 10	173	< 10	7	15
B411713	0.037	0.062	0.06	5	26	129	0.10	< 20	2	< 2	< 10	197	< 10	7	12
B411714	0.045	0.053	0.05	5	26	138	0.13	< 20	< 1	< 2	< 10	199	< 10	7	12
B411715	0.045	0.037	0.06	6	26	121	0.13	< 20	< 1	< 2	< 10	246	< 10	6	12
B411716	0.043	0.033	0.06	5	26	121	0.12	< 20	3	< 2	< 10	240	< 10	6	11
B411717	0.057	0.052	0.04	4	19	213	0.11	< 20	5	< 2	< 10	162	< 10	7	10
B411718	0.045	0.032	0.09	4	23	186	0.12	< 20	< 1	< 2	< 10	164	< 10	6	11
B411719	0.058	0.031	0.16	3	17	136	0.08	< 20	4	< 2	< 10	121	< 10	5	16
B411720	0.062	0.035	0.47	4	8	36	0.40	< 20	11	< 2	< 10	149	< 10	11	16
B411721	0.062	0.022	0.18	4	19	173	0.13	< 20	9	< 2	< 10	128	< 10	5	16
B411722	0.061	0.015	0.25	3	16	161	0.10	< 20	8	< 2	< 10	134	< 10	4	14
B411723	0.091	0.006	0.25	< 2	11	155	0.09	< 20	< 1	< 2	< 10	86	< 10	3	16
B411724	0.119	0.019	1.30	< 2	9	41	0.08	< 20	1	< 2	< 10	83	< 10	2	8
B411725	0.097	0.070	3.10	5	14	25	0.10	< 20	3	2	< 10	134	< 10	6	16
B411726	0.064	0.039	1.23	6	18	166	0.07	< 20	10	< 2	< 10	107	< 10	4	13
B411727	0.101	0.044	1.15	5	12	74	0.08	< 20	11	< 2	< 10	95	< 10	4	9
B411728	0.066	0.083	2.67	5	26	35	0.11	< 20	2	< 2	< 10	257	< 10	7	21
B411729	0.033	0.106	1.65	3	23	146	0.09	< 20	1	< 2	< 10	169	< 10	12	8
B411730	0.027	0.016	0.58	< 2	2	303	0.06	< 20	< 1	< 2	< 10	32	< 10	4	15
B411731	0.097	0.059	0.82	2	19	89	0.12	< 20	< 1	< 2	< 10	131	< 10	9	10
B411732	0.294	0.068	0.07	4	16	46	0.21	< 20	6	< 2	< 10	152	< 10	10	11
B411733	0.224	0.037	0.38	3	15	21	0.27	< 20	< 1	< 2	< 10	133	< 10	10	12
B411737	0.118	0.006	0.41	< 2	4	34	0.09	20	8	< 2	13	37	< 10	7	31
B411738	0.132	0.035	0.09	3	8	128	0.30	< 20	3	< 2	< 10	145	< 10	7	11
B411739	0.077	0.028	1.56	3	8	224	0.25	< 20	2	< 2	< 10	104	< 10	7	26
B411740	0.126	0.035	0.20	4	6	40	0.46	< 20	7	< 2	< 10	166	< 10	10	16
B411741	0.056	0.012	1.32	3	4	267	0.10	< 20	3	< 2	< 10	19	< 10	7	34
B411742	0.024	0.011	0.36	3	10	222	0.06	< 20	< 1	< 2	< 10	87	< 10	4	10
B411743	0.017	0.034	0.65	5	28	156	0.13	< 20	< 1	< 2	< 10	245	< 10	5	18
B411747	0.100	0.059	3.22	8	21	25	0.15	< 20	7	< 2	< 10	204	< 10	16	28
B411748	0.161	0.094	1.88	6	21	20	0.22	< 20	8	< 2	< 10	197	< 10	16	26
B411749	0.204	0.098	0.90	5	17	44	0.17	< 20	< 1	< 2	< 10	158	< 10	15	13
B411773	0.031	0.077	2.06	7	19	65	0.13	< 20	1	< 2	< 10	175	< 10	9	17
B411779	0.161	0.036	0.08	3	10	51	0.25	< 20	9	< 2	< 10	86	< 10	7	12
B411780	0.237	0.038	0.40	4	7	46	0.45	< 20	3	< 2	< 10	155	24	11	21
B411781	0.073	0.046	0.31	< 2	2	55	0.13	< 20	4	< 2	< 10	21	< 10	5	25
B411782	0.066	0.044	0.19	2	2	74	0.13	< 20	< 1	< 2	< 10	21	< 10	5	21
B411783	0.071	0.047	0.55	< 2	2	69	0.12	< 20	1	< 2	< 10	20	< 10	5	27
B411784	0.073	0.047	0.44	2	2	86	0.12	< 20	2	< 2	< 10	19	< 10	5	25
B411785	0.071	0.045	0.21	< 2	2	95	0.12	< 20	2	< 2	< 10	19	< 10	5	24
B411786	0.065	0.044	0.16	< 2	1	87	0.12	< 20	< 1	< 2	< 10	18	< 10	4	25
B411787	0.063	0.047	0.18	< 2	1	114	0.11	< 20	2	< 2	< 10	17	< 10	5	21
B411788	0.063	0.045	0.15	2	1	121	0.10	< 20	2	< 2	< 10	15	< 10	5	19
B411789	0.072	0.047	0.16	< 2	1	107	0.12	< 20	3	< 2	< 10	17	< 10	4	23
B411790	0.021	0.015	0.54	2	2	252	0.07	< 20	13	< 2	< 10	35	< 10	5	5
B411791	0.081	0.046	0.19	< 2	1	79	0.13	< 20	2	< 2	< 10	20	< 10	4	22
B411792	0.090	0.046	0.09	< 2	2	72	0.14	< 20	4	< 2	< 10	25	< 10	4	20



Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B411793	0.136	0.034	0.09	4	9	45	0.24	< 20	2	< 2	< 10	88	< 10	6	12
B411794	0.209	0.028	0.03	3	11	49	0.27	< 20	< 1	< 2	< 10	94	< 10	7	6
B411795	0.322	0.022	0.08	< 2	8	56	0.21	< 20	2	< 2	< 10	77	< 10	6	5

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas	0.3	< 0.5	69	1030	1	24	94	120	6.84	241	< 10	706	0.9	3	0.12	15	81	5.51	10	2	0.96	< 10	0.37
GXR-6 Cert	1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9	0.609
GXR-6 Meas	0.3	0.5	70	1040	1	23	96	122	6.91	249	< 10	711	0.9	4	0.12	15	83	5.50	20	1	0.96	< 10	0.37
GXR-6 Cert	1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9	0.609
GXR-6 Meas	0.4	< 0.5	70	1040	1	24	98	126	7.13	234	< 10	735	0.9	4	0.12	14	83	5.68	20	3	0.99	< 10	0.39
GXR-6 Cert	1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9	0.609
GXR-6 Meas	0.4	< 0.5	72	1060	3	24	102	123	7.18	273	< 10	837	1.0	< 2	0.12	14	73	5.80	20	< 1	1.12	11	0.40
GXR-6 Cert	1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9	0.609
OREAS 98 (Aqua Regia) Meas	37.9		> 10000				278	1110						56		103							
OREAS 98 (Aqua Regia) Cert	42.8		147000				343	1300						93		111							
OREAS 922 (AQUA REGIA) Meas	1.2	< 0.5	2290	749	< 1	33	66	254	2.73	5		69	0.7	10	0.36	20	46	4.99	< 10		0.38	33	1.30
OREAS 922 (AQUA REGIA) Cert	0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5	1.33
OREAS 922 (AQUA REGIA) Meas	0.9	< 0.5	2290	756	< 1	35	67	257	2.76	6		70	0.7	11	0.37	20	48	5.02	< 10		0.39	33	1.31
OREAS 922 (AQUA REGIA) Cert	0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5	1.33
OREAS 922 (AQUA REGIA) Meas	0.9	< 0.5	2250	755	< 1	34	66	259	2.79	7		70	0.7	10	0.37	20	46	5.06	< 10		0.39	33	1.32
OREAS 922 (AQUA REGIA) Cert	0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5	1.33
OREAS 923 (AQUA REGIA) Meas	1.8	< 0.5	4370	861	< 1	33	82	333	2.83	8		59	0.7	20	0.38	23	45	5.84	< 10		0.34	31	1.41
OREAS 923 (AQUA REGIA) Cert	1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0	1.43
OREAS 923 (AQUA REGIA) Meas	1.6	0.5	4350	845	< 1	31	79	330	2.75	8		57	0.7	22	0.37	20	44	5.71	< 10		0.33	31	1.38
OREAS 923 (AQUA REGIA) Cert	1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0	1.43
OREAS 923 (AQUA REGIA) Meas	1.7	0.9	4390	867	< 1	32	84	338	2.87	7		57	0.6	21	0.38	23	43	5.91	< 10		0.33	31	1.43
OREAS 923 (AQUA REGIA) Cert	1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0	1.43
Oreas 96 (Aqua Regia) Meas	11.1		> 10000				92	401						23		48							
Oreas 96 (Aqua Regia) Cert	11.50		39100.00				100	448						27.9		49.2							
Oreas 621 (Aqua Regia) Meas	67.6	277	3640	514	12	24	> 5000	> 10000	1.65	75			0.6	< 2	1.58	30	32	3.36	< 10	3	0.30	17	0.43
Oreas 621 (Aqua Regia) Cert	68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4	0.436
Oreas 621 (Aqua Regia) Meas	68.6	283	3650	513	13	24	> 5000	> 10000	1.65	78			0.6	3	1.58	31	32	3.36	< 10	4	0.31	17	0.43
Oreas 621 (Aqua Regia) Cert	68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4	0.436

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Regia) Cert																							
Oreas 621 (Aqua Regia) Meas	67.3	279	3500	510	13	24	> 5000	> 10000	1.66	78			0.6	3	1.56	30	31	3.32	< 10	3	0.31	18	0.42
Oreas 621 (Aqua Regia) Cert	68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4	0.436
Oreas 621 (Aqua Regia) Meas	70.1	299	3570	499	14	25	> 5000	> 10000	1.75	84			0.6	4	1.50	30	29	3.31	< 10	4	0.36	22	0.42
Oreas 621 (Aqua Regia) Cert	68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4	0.436
OREAS 45f (Aqua Regia) Meas			348	159	1	223	11	25	6.78			132	1.0	3	0.07	38	363	13.9	20	< 1	0.09	< 10	0.17
OREAS 45f (Aqua Regia) Cert			336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750	39.2	341	13.7	20.3	0.0310	0.0820	10.7	0.152
OREAS 45f (Aqua Regia) Meas			351	161	1	221	16	25	6.89			133	1.1	2	0.07	37	361	13.9	20	2	0.09	< 10	0.17
OREAS 45f (Aqua Regia) Cert			336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750	39.2	341	13.7	20.3	0.0310	0.0820	10.7	0.152
OREAS 45f (Aqua Regia) Meas			346	162	1	227	13	25	6.91			134	1.0	3	0.07	38	360	14.0	20	< 1	0.09	< 10	0.17
OREAS 45f (Aqua Regia) Cert			336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750	39.2	341	13.7	20.3	0.0310	0.0820	10.7	0.152
OREAS 45f (Aqua Regia) Meas			355	167	2	226	9	26	7.34			161	1.1	< 2	0.06	41	318	13.7	20	2	0.11	12	0.18
OREAS 45f (Aqua Regia) Cert			336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750	39.2	341	13.7	20.3	0.0310	0.0820	10.7	0.152
B411707 Orig	0.4	< 0.5	10	3070	2	20	7	32	0.25	15	< 10	14	< 0.5	< 2	> 10.0	11	22	4.22	< 10	< 1	0.10	< 10	7.16
B411707 Dup	0.3	< 0.5	10	3050	3	18	7	31	0.24	14	< 10	14	< 0.5	< 2	> 10.0	11	22	4.17	< 10	< 1	0.10	< 10	7.11
B411721 Orig	0.6	< 0.5	70	1040	4	90	2	84	1.54	22	< 10	19	< 0.5	< 2	4.34	48	49	6.54	< 10	< 1	0.07	< 10	3.23
B411721 Dup	0.6	< 0.5	69	1020	4	86	2	81	1.52	19	< 10	18	< 0.5	< 2	4.23	46	48	6.38	< 10	< 1	0.07	< 10	3.15
B411733 Orig	1.1	< 0.5	228	580	17	25	< 2	34	1.76	< 2	< 10	44	< 0.5	< 2	2.50	31	9	4.78	< 10	< 1	0.24	< 10	1.56
B411733 Split PREP DUP	1.1	< 0.5	214	602	10	24	2	34	1.76	< 2	< 10	42	< 0.5	< 2	2.52	31	9	4.94	< 10	< 1	0.23	< 10	1.64
B411737 Orig	0.5	< 0.5	38	475	< 1	26	43	66	1.06	4	< 10	14	< 0.5	< 2	2.12	12	28	2.46	< 10	< 1	0.08	< 10	1.01
B411737 Dup	0.6	< 0.5	37	477	< 1	26	44	65	1.07	5	< 10	15	< 0.5	< 2	2.13	13	28	2.45	< 10	< 1	0.08	< 10	1.01
B411791 Orig	< 0.2	< 0.5	2	256	< 1	4	11	34	1.10	< 2	< 10	126	< 0.5	< 2	1.83	6	4	1.59	< 10	< 1	0.59	49	0.46
B411791 Dup	< 0.2	< 0.5	3	262	< 1	4	11	34	1.13	< 2	< 10	129	< 0.5	< 2	1.87	6	4	1.65	< 10	< 1	0.60	51	0.47
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	8	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas	0.105	0.033	0.01	3	18	27		< 20	1	< 2	< 10	155	< 10	4	9
GXR-6 Cert	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
GXR-6 Meas	0.106	0.033	0.01	5	18	27		< 20	< 1	< 2	< 10	158	< 10	4	10
GXR-6 Cert	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
GXR-6 Meas	0.107	0.033	0.01	4	19	28		< 20	< 1	< 2	< 10	162	< 10	4	8
GXR-6 Cert	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
GXR-6 Meas	0.063	0.034	0.01	7	19	26		< 20	1	< 2	< 10	170	< 10	5	9
GXR-6 Cert	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
OREAS 98 (Aqua Regia) Meas				27											
OREAS 98 (Aqua Regia) Cert				15											
OREAS 922 (AQUA REGIA) Meas	0.024	0.061	0.36	< 2	3	16		< 20		< 2	< 10	32	< 10	16	24
OREAS 922 (AQUA REGIA) Cert	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas	0.025	0.061	0.36	3	4	16		< 20		< 2	< 10	32	< 10	16	25
OREAS 922 (AQUA REGIA) Cert	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas	0.024	0.061	0.37	< 2	4	16		< 20		< 2	< 10	32	< 10	16	26
OREAS 922 (AQUA REGIA) Cert	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 923 (AQUA REGIA) Meas		0.060	0.65	< 2	4	14		< 20		< 2	< 10	32	< 10	15	32
OREAS 923 (AQUA REGIA) Cert		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 923 (AQUA REGIA) Meas		0.058	0.63	< 2	3	14		< 20		< 2	< 10	31	< 10	15	31
OREAS 923 (AQUA REGIA) Cert		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 923 (AQUA REGIA) Meas		0.058	0.67	< 2	3	14		< 20		< 2	< 10	32	< 10	15	29
OREAS 923 (AQUA REGIA) Cert		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
Oreas 96 (Aqua Regia) Meas			3.45	7											
Oreas 96 (Aqua Regia) Cert			4.38	4.53											
Oreas 621 (Aqua Regia) Meas	0.145	0.032	4.25	103	2	17		< 20		< 2	< 10	12	< 10	6	66
Oreas 621 (Aqua Regia) Cert	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
Oreas 621 (Aqua Regia) Meas	0.146	0.033	4.43	109	2	17		< 20		< 2	< 10	12	< 10	6	68
Oreas 621 (Aqua Regia) Cert	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Regia) Cert															
Oreas 621 (Aqua Regia) Meas	0.146	0.032	4.43	112	2	18		< 20		< 2	< 10	11	< 10	6	65
Oreas 621 (Aqua Regia) Cert	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
Oreas 621 (Aqua Regia) Meas	0.160	0.032	4.36	140	2	18		< 20		< 2	< 10	12	< 10	7	69
Oreas 621 (Aqua Regia) Cert	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
OREAS 45f (Aqua Regia) Meas	0.043	0.021	0.02		26	14	0.10	< 20		< 2	< 10	195		4	18
OREAS 45f (Aqua Regia) Cert	0.0320	0.0220	0.0270		31.4	13.2	0.0970	7.67		0.120	1.09	217		6.74	30.0
OREAS 45f (Aqua Regia) Meas	0.042	0.021	0.02		26	14	0.11	< 20		2	< 10	195		4	19
OREAS 45f (Aqua Regia) Cert	0.0320	0.0220	0.0270		31.4	13.2	0.0970	7.67		0.120	1.09	217		6.74	30.0
OREAS 45f (Aqua Regia) Meas	0.044	0.020	0.02		27	14	0.11	< 20		< 2	< 10	195		4	15
OREAS 45f (Aqua Regia) Cert	0.0320	0.0220	0.0270		31.4	13.2	0.0970	7.67		0.120	1.09	217		6.74	30.0
OREAS 45f (Aqua Regia) Meas	0.037	0.021	0.02		25	13	0.13	< 20		< 2	< 10	203		5	17
OREAS 45f (Aqua Regia) Cert	0.0320	0.0220	0.0270		31.4	13.2	0.0970	7.67		0.120	1.09	217		6.74	30.0
B411707 Orig	0.026	0.006	0.52	3	10	355	0.04	< 20	1	< 2	< 10	25	< 10	5	4
B411707 Dup	0.026	0.006	0.52	3	10	350	0.04	< 20	2	< 2	< 10	25	< 10	5	4
B411721 Orig	0.062	0.023	0.18	3	19	174	0.13	< 20	5	< 2	< 10	130	< 10	5	16
B411721 Dup	0.061	0.022	0.17	5	19	172	0.13	< 20	13	< 2	< 10	127	< 10	5	17
B411733 Orig	0.224	0.037	0.38	3	15	21	0.27	< 20	< 1	< 2	< 10	133	< 10	10	12
B411733 Split PREP DUP	0.240	0.034	0.40	2	16	18	0.29	< 20	7	< 2	< 10	139	< 10	10	13
B411737 Orig	0.118	0.006	0.40	3	4	34	0.09	20	9	< 2	13	37	< 10	7	31
B411737 Dup	0.118	0.006	0.41	< 2	4	34	0.09	20	7	< 2	13	38	< 10	7	30
B411791 Orig	0.081	0.046	0.19	< 2	1	77	0.13	< 20	2	< 2	< 10	19	< 10	4	21
B411791 Dup	0.081	0.046	0.19	< 2	1	81	0.13	< 20	2	< 2	< 10	20	< 10	4	23
Method Blank	0.006	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.006	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.006	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.005	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.006	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.006	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.005	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1



Report No.: A21-18624-1E3
Report Date: 16-Dec-21
Date Submitted: 04-Oct-21
Your Reference: LINGMAN LAKE FALL 2021

SIGNATURE RESOURCES LTD
366 Bay Street, suite 200
Toronto ON M5H 4B2
Canada

ATTN: Robert Vallis

CERTIFICATE OF ANALYSIS

49 Core samples were submitted for analysis.

Table with 2 columns: The following analytical package(s) were requested: and Testing Date:
1E3-Tbay | QOP AquaGeo (Aqua Regia ICPOES) | 2021-12-13 12:51:44

REPORT A21-18624-1E3

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Notes:

Values which exceed the upper limit should be assayed for accurate numbers.



LabID: 673

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CERTIFIED BY:

Handwritten signature of Emmanuel Esemé

Emmanuel Esemé, Ph.D.
Quality Control Coordinator

## Results

## Activation Laboratories Ltd.

## Report: A21-18624

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2		0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B411701	0.4	< 0.5	55	772	8	74	11	49	2.91	10	< 10	32	< 0.5	< 2	2.42	26	61	4.57	< 10	< 1	0.83	< 10	2.12
B411702	0.6	< 0.5	34	774	2	55	12	48	2.77	56	< 10	38	< 0.5	< 2	3.10	25	48	4.14	< 10	< 1	0.90	< 10	2.08
B411703	0.2	< 0.5	3	247	< 1	2	24	25	1.61	19	12	13	0.6	< 2	0.75	3	2	0.81	< 10	< 1	0.58	12	0.74
B411704	2.4	1.1	70	1290	8	78	28	227	4.16	< 2	< 10	129	< 0.5	< 2	8.30	31	89	7.94	10	< 1	2.28	< 10	4.35
B411705	0.9	< 0.5	118	516	1	77	21	57	1.45	49	< 10	35	< 0.5	< 2	1.60	68	74	6.08	< 10	< 1	0.52	< 10	1.38
B411706	0.6	< 0.5	32	1230	< 1	77	< 2	88	2.31	< 2	< 10	92	< 0.5	< 2	> 10.0	16	156	4.72	< 10	< 1	1.71	20	4.60
B411734	0.5	< 0.5	222	558	13	18	< 2	27	1.63	< 2	< 10	< 10	< 0.5	< 2	2.79	26	4	4.22	< 10	< 1	0.10	< 10	1.20
B411735	0.3	< 0.5	125	632	11	18	< 2	30	1.69	< 2	< 10	< 10	< 0.5	< 2	2.44	26	4	4.84	< 10	< 1	0.13	< 10	1.46
B411736	0.3	< 0.5	123	636	10	17	< 2	29	1.72	< 2	< 10	10	< 0.5	< 2	2.48	26	4	4.84	< 10	< 1	0.13	< 10	1.46
B411744	1.2	< 0.5	126	1380	< 1	77	< 2	77	2.19	5	< 10	66	< 0.5	< 2	5.83	37	110	8.33	< 10	< 1	0.23	< 10	3.44
B411745	1.3	< 0.5	127	1260	12	106	< 2	133	3.04	8	< 10	27	< 0.5	< 2	5.27	49	131	10.8	10	< 1	0.15	< 10	3.82
B411746	1.5	< 0.5	106	1160	2	85	< 2	115	2.27	< 2	< 10	34	< 0.5	< 2	4.47	40	120	7.87	< 10	< 1	0.26	< 10	2.58
B411750	0.2	< 0.5	12	83	< 1	8	42	63	1.30	7	30	71	< 0.5	< 2	> 10.0	2	18	1.24	< 10	< 1	0.02	< 10	1.60
B411751	2.1	< 0.5	296	752	76	42	< 2	181	2.71	< 2	< 10	16	< 0.5	< 2	2.24	45	17	8.59	10	1	0.08	< 10	2.13
B411752	19.3	1.8	1630	640	219	195	24	356	3.25	449	< 10	28	< 0.5	< 2	2.03	81	164	9.17	10	2	0.16	14	3.12
B411753	2.1	< 0.5	166	1390	5	54	5	173	1.68	9	< 10	27	< 0.5	< 2	5.24	42	44	9.06	< 10	< 1	0.13	< 10	3.71
B411754	1.8	< 0.5	75	1230	7	46	2	83	1.03	7	< 10	42	< 0.5	< 2	5.28	33	41	7.71	< 10	< 1	0.16	< 10	3.12
B411755	4.4	< 0.5	110	1210	3	45	4	91	1.09	6	< 10	24	< 0.5	< 2	5.19	37	41	8.14	< 10	< 1	0.07	< 10	3.17
B411756	1.6	< 0.5	93	1210	4	47	5	81	1.08	4	< 10	28	< 0.5	< 2	5.30	39	41	8.14	< 10	1	0.09	< 10	3.21
B411757	0.5	< 0.5	111	984	2	61	2	93	1.47	7	< 10	16	< 0.5	< 2	4.52	38	80	8.02	< 10	< 1	0.05	< 10	3.17
B411758	0.7	< 0.5	40	1100	< 1	172	< 2	72	1.06	15	< 10	31	< 0.5	< 2	6.25	35	331	5.91	< 10	< 1	0.09	< 10	3.85
B411759	1.2	0.5	49	939	2	156	2	121	1.56	12	< 10	11	< 0.5	< 2	6.23	42	286	6.40	< 10	< 1	0.04	< 10	4.45
B411760	0.5	< 0.5	156	719	< 1	80	3	59	3.63	13	19	17	< 0.5	< 2	3.32	28	104	5.43	< 10	< 1	0.08	< 10	2.18
B411761	0.5	< 0.5	98	1180	4	48	3	83	1.32	11	< 10	13	< 0.5	< 2	5.50	42	46	7.89	< 10	< 1	0.05	< 10	3.49
B411762	0.5	< 0.5	124	920	10	52	< 2	113	2.04	2	< 10	12	< 0.5	< 2	4.96	41	51	8.33	< 10	< 1	0.11	< 10	3.40
B411763	3.6	< 0.5	130	602	36	160	< 2	106	2.23	104	< 10	14	< 0.5	< 2	3.86	49	149	5.87	< 10	< 1	0.12	16	2.67
B411764	0.8	< 0.5	14	277	< 1	25	3	31	0.72	3	< 10	24	< 0.5	< 2	1.99	8	43	1.71	< 10	< 1	0.08	16	0.87
B411765	1.3	< 0.5	26	173	< 1	22	2	38	0.44	2	< 10	25	< 0.5	< 2	1.12	7	23	1.26	< 10	< 1	0.06	17	0.52
B411766	0.4	< 0.5	51	142	< 1	24	7	34	0.23	2	< 10	17	< 0.5	< 2	1.10	8	15	1.07	< 10	< 1	0.01	19	0.27
B411767	< 0.2	< 0.5	9	366	5	89	3	68	1.18	< 2	< 10	97	< 0.5	< 2	2.45	13	217	2.19	< 10	< 1	0.21	28	1.66
B411768	0.4	< 0.5	2	450	1	140	< 2	118	2.28	< 2	< 10	252	< 0.5	< 2	2.15	26	402	3.14	< 10	< 1	0.63	< 10	3.02
B411769	0.5	< 0.5	3	668	1	221	6	137	2.90	< 2	< 10	508	< 0.5	< 2	4.92	31	523	4.02	< 10	< 1	0.93	35	4.01
B411770	0.3	< 0.5	12	87	< 1	9	43	61	1.38	7	32	50	< 0.5	< 2	> 10.0	2	20	1.30	< 10	< 1	0.03	< 10	1.67
B411771	0.6	0.6	9	674	< 1	211	8	119	2.66	< 2	< 10	585	< 0.5	< 2	4.83	31	550	3.93	< 10	< 1	1.27	37	3.82
B411772	0.9	< 0.5	21	531	< 1	251	8	116	2.47	6	< 10	481	< 0.5	< 2	3.46	31	677	3.73	< 10	< 1	1.63	41	3.90
B411774	< 0.2	< 0.5	55	794	336	60	< 2	79	2.56	< 2	< 10	48	< 0.5	< 2	4.23	33	86	4.82	< 10	< 1	0.51	< 10	2.25
B411775	0.6	< 0.5	248	655	3	36	< 2	36	2.09	< 2	< 10	< 10	< 0.5	< 2	2.09	28	21	4.62	< 10	< 1	0.10	< 10	1.73
B411776	0.5	< 0.5	321	656	2	45	< 2	36	2.15	< 2	< 10	< 10	< 0.5	< 2	2.12	32	22	4.78	< 10	< 1	0.10	< 10	1.76
B411777	2.2	< 0.5	866	609	6	203	7	37	2.43	8	< 10	14	< 0.5	< 2	1.84	289	27	9.21	< 10	< 1	0.13	< 10	2.05
B411778	1.0	< 0.5	289	746	3	82	< 2	48	2.87	6	< 10	15	< 0.5	< 2	2.44	87	25	6.52	< 10	< 1	0.13	< 10	2.24
B411796	0.4	< 0.5	145	476	5	35	< 2	29	2.91	< 2	13	14	< 0.5	< 2	2.46	23	27	3.14	< 10	< 1	0.10	< 10	1.35
B411797	0.3	< 0.5	102	485	14	36	< 2	26	2.77	< 2	< 10	17	< 0.5	< 2	2.65	21	33	3.13	< 10	< 1	0.13	< 10	1.31
B411798	0.4	< 0.5	121	573	5	28	< 2	30	1.56	2	< 10	< 10	0.9	< 2	2.33	22	26	3.41	< 10	< 1	0.08	< 10	1.35
B411799	0.8	< 0.5	215	631	1	27	< 2	31	1.58	< 2	< 10	< 10	< 0.5	< 2	2.24	36	10	4.36	< 10	< 1	0.07	< 10	1.40
B411800	< 0.2	< 0.5	25	238	< 1	58	7	76	2.74	331	< 10	97	1.4	< 2	0.25	15	93	3.45	< 10	< 1	0.96	29	1.27
B411801	0.4	< 0.5	43	580	10	32	< 2	40	2.23	< 2	< 10	53	< 0.5	< 2	2.39	26	33	3.83	< 10	< 1	0.43	< 10	1.71
B411802	0.3	< 0.5	118	670	11	34	< 2	41	1.93	< 2	< 10	22	< 0.5	< 2	2.19	34	19	4.55	< 10	< 1	0.22	< 10	1.70
B411803	0.2	< 0.5	136	762	2	29	< 2	43	1.95	< 2	< 10	< 10	< 0.5	< 2	2.47	36	15	5.07	< 10	< 1	0.12	< 10	1.79
B411804	< 0.2	< 0.5	121	689	3	24	< 2	39	1.89	< 2	< 10	11	< 0.5	< 2	2.29	26	17	4.69	< 10	< 1	0.13	< 10	1.65

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B411701	0.182	0.019	0.18	< 2	9	55	0.25	< 20	1	< 2	15	83	< 10	7	16
B411702	0.128	0.013	1.31	3	7	33	0.16	< 20	2	< 2	11	73	< 10	8	22
B411703	0.089	0.008	0.11	< 2	< 1	15	0.02	< 20	4	< 2	14	3	< 10	5	27
B411704	0.041	0.047	0.68	< 2	11	77	0.25	< 20	3	< 2	< 10	102	< 10	11	15
B411705	0.101	0.031	2.56	3	8	18	0.26	< 20	2	< 2	< 10	100	< 10	8	15
B411706	0.042	0.042	0.17	< 2	12	218	0.12	< 20	4	< 2	< 10	38	< 10	7	12
B411734	0.209	0.038	0.15	< 2	13	28	0.24	< 20	3	< 2	< 10	114	< 10	9	10
B411735	0.268	0.041	0.09	< 2	15	10	0.23	< 20	< 1	< 2	< 10	134	39	11	12
B411736	0.266	0.040	0.08	2	15	10	0.25	< 20	6	< 2	< 10	135	< 10	12	13
B411744	0.058	0.028	0.15	3	21	211	0.14	< 20	5	< 2	< 10	147	< 10	6	10
B411745	0.047	0.047	0.15	6	23	199	0.12	< 20	1	< 2	< 10	174	< 10	7	11
B411746	0.113	0.042	0.13	4	17	180	0.14	< 20	< 1	< 2	< 10	147	< 10	8	11
B411750	0.024	0.015	0.54	< 2	2	246	0.06	< 20	< 1	4	< 10	29	< 10	4	14
B411751	0.209	0.064	1.16	< 2	16	23	0.16	< 20	< 1	< 2	< 10	178	12	12	21
B411752	0.087	0.072	1.14	5	14	53	0.07	< 20	< 1	< 2	< 10	219	< 10	9	9
B411753	0.045	0.041	0.44	3	25	213	0.10	< 20	2	< 2	< 10	172	< 10	5	14
B411754	0.054	0.044	0.03	2	19	231	0.10	< 20	3	< 2	< 10	151	< 10	5	11
B411755	0.054	0.038	0.20	3	21	221	0.11	< 20	2	< 2	< 10	155	< 10	5	12
B411756	0.049	0.039	0.23	2	21	226	0.10	< 20	1	< 2	< 10	153	< 10	5	12
B411757	0.054	0.028	0.06	< 2	23	180	0.11	< 20	< 1	< 2	< 10	158	< 10	4	12
B411758	0.052	0.022	0.05	2	16	280	0.09	< 20	2	< 2	< 10	92	< 10	5	16
B411759	0.042	0.037	0.13	3	15	264	0.08	< 20	< 1	< 2	< 10	100	< 10	5	15
B411760	0.054	0.033	0.24	< 2	6	39	0.39	< 20	6	< 2	< 10	137	< 10	9	14
B411761	0.055	0.073	0.13	3	18	248	0.09	< 20	< 1	< 2	< 10	140	< 10	6	11
B411762	0.056	0.085	0.12	4	19	159	0.10	< 20	< 1	< 2	< 10	154	< 10	7	9
B411763	0.060	0.053	0.06	< 2	15	118	0.09	< 20	2	< 2	< 10	115	< 10	5	4
B411764	0.152	0.120	0.04	< 2	3	72	0.11	< 20	2	< 2	< 10	19	< 10	4	4
B411765	0.138	0.083	0.10	< 2	2	46	0.13	< 20	2	< 2	< 10	19	< 10	4	7
B411766	0.126	0.089	0.26	< 2	1	48	0.16	< 20	3	< 2	< 10	14	< 10	5	12
B411767	0.244	0.148	0.04	< 2	5	72	0.14	< 20	2	< 2	< 10	32	< 10	6	4
B411768	0.380	0.043	< 0.01	2	8	53	0.16	< 20	3	< 2	< 10	55	< 10	5	20
B411769	0.326	0.143	0.01	3	7	228	0.18	< 20	< 1	< 2	< 10	61	< 10	7	6
B411770	0.026	0.015	0.57	< 2	2	247	0.06	< 20	< 1	< 2	< 10	31	< 10	5	7
B411771	0.222	0.182	0.04	3	6	288	0.18	< 20	2	< 2	< 10	55	< 10	6	5
B411772	0.145	0.237	0.03	4	5	171	0.18	< 20	2	< 2	< 10	62	< 10	7	4
B411774	0.280	0.021	0.16	2	12	92	0.20	< 20	< 1	< 2	< 10	100	< 10	6	8
B411775	0.189	0.036	0.20	3	12	20	0.26	< 20	6	< 2	< 10	109	< 10	8	10
B411776	0.185	0.036	0.27	< 2	12	20	0.26	< 20	6	< 2	< 10	111	< 10	8	10
B411777	0.165	0.033	4.92	3	13	24	0.24	< 20	4	< 2	< 10	116	< 10	7	14
B411778	0.179	0.036	1.34	< 2	12	24	0.25	< 20	6	< 2	< 10	116	< 10	7	11
B411796	0.355	0.025	0.08	< 2	8	49	0.20	< 20	5	< 2	< 10	72	< 10	6	5
B411797	0.351	0.027	0.08	< 2	10	31	0.21	< 20	3	< 2	< 10	76	< 10	6	5
B411798	0.157	0.026	0.05	< 2	11	12	0.26	< 20	3	< 2	< 10	87	< 10	9	11
B411799	0.202	0.037	0.46	< 2	13	10	0.27	< 20	2	< 2	< 10	106	< 10	10	8
B411800	0.101	0.049	0.07	197	5	19	0.17	< 20	2	< 2	< 10	64	< 10	9	20
B411801	0.205	0.039	0.09	< 2	15	20	0.33	< 20	3	< 2	< 10	93	< 10	8	9
B411802	0.194	0.034	0.26	2	14	12	0.30	< 20	5	< 2	< 10	112	< 10	9	10
B411803	0.224	0.040	0.38	3	15	9	0.32	< 20	7	< 2	< 10	129	< 10	11	10
B411804	0.233	0.039	0.09	< 2	13	14	0.29	< 20	3	< 2	< 10	120	< 10	11	11



Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas	0.3	< 0.5	70	1090	1	23	96	131	6.77	241	< 10	705	0.9	< 2	0.14	13	74	5.68	20	2	1.05	< 10	0.37
GXR-6 Cert	1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9	0.609
GXR-6 Meas	0.3	< 0.5	68	1050	1	23	89	115	6.26	234	< 10	674	0.9	< 2	0.13	15	68	5.12	10	1	0.99	< 10	0.36
GXR-6 Cert	1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9	0.609
OREAS 922 (AQUA REGIA) Meas	0.8	< 0.5	2250	784	< 1	34	54	262	2.76	5		76	0.8	5	0.42	19	42	5.20	< 10		0.46	35	1.24
OREAS 922 (AQUA REGIA) Cert	0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5	1.33
OREAS 922 (AQUA REGIA) Meas	0.7	0.6	2250	766	< 1	31	55	229	2.54	6		71	0.7	5	0.38	20	39	4.84	< 10		0.44	29	1.22
OREAS 922 (AQUA REGIA) Cert	0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5	1.33
OREAS 923 (AQUA REGIA) Meas	1.5	< 0.5	4270	879	< 1	29	81	335	2.72	7		59	0.7	18	0.42	22	39	5.91	< 10		0.39	32	1.31
OREAS 923 (AQUA REGIA) Cert	1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0	1.43
OREAS 923 (AQUA REGIA) Meas	1.7	0.7	4310	856	< 1	30	72	301	2.53	5		57	0.7	11	0.38	23	36	5.41	< 10		0.37	27	1.31
OREAS 923 (AQUA REGIA) Cert	1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0	1.43
Oreas 621 (Aqua Regia) Meas	66.9	288	3740	563	14	24	> 5000	> 10000	1.77	81			0.6	3	1.49	32	27	3.50	10	4	0.37	19	0.41
Oreas 621 (Aqua Regia) Cert	68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4	0.436
OREAS 45f (Aqua Regia) Meas			358	182	< 1	232	13	28	7.30			131	1.1	< 2	0.07	41	327	14.3	20	< 1	0.10	11	0.17
OREAS 45f (Aqua Regia) Cert			336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750	39.2	341	13.7	20.3	0.0310	0.0820	10.7	0.152
OREAS 45f (Aqua Regia) Meas			334	170	1	205	7	24	6.55			120	1.0	3	0.07	39	295	12.6	20	2	0.10	< 10	0.16
OREAS 45f (Aqua Regia) Cert			336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750	39.2	341	13.7	20.3	0.0310	0.0820	10.7	0.152
B411704 Orig	2.5	1.2	68	1280	9	76	28	225	4.16	< 2	< 10	112	< 0.5	< 2	8.28	31	89	7.94	10	< 1	2.27	< 10	4.34
B411704 Dup	2.3	1.1	72	1300	8	79	28	229	4.16	< 2	< 10	146	< 0.5	4	8.32	31	89	7.93	10	< 1	2.28	< 10	4.35
B411755 Orig	3.6	< 0.5	110	1210	3	43	3	92	1.09	5	< 10	24	< 0.5	< 2	5.20	37	41	8.17	< 10	< 1	0.07	< 10	3.17
B411755 Dup	5.2	< 0.5	110	1220	3	47	4	91	1.09	6	< 10	24	< 0.5	< 2	5.19	38	41	8.11	< 10	< 1	0.07	< 10	3.16
B411762 Orig	0.5	< 0.5	124	920	10	52	< 2	113	2.04	2	< 10	12	< 0.5	< 2	4.96	41	51	8.33	< 10	< 1	0.11	< 10	3.40
B411762 Split PREP DUP	0.5	< 0.5	123	912	10	54	< 2	112	2.03	5	< 10	12	< 0.5	< 2	4.92	42	50	8.20	< 10	< 1	0.12	< 10	3.38
B411778 Orig	1.0	< 0.5	286	743	3	81	< 2	47	2.87	8	< 10	15	< 0.5	< 2	2.44	88	25	6.49	< 10	< 1	0.13	< 10	2.24
B411778 Dup	1.0	< 0.5	292	750	3	83	< 2	48	2.88	4	< 10	16	< 0.5	< 2	2.44	87	25	6.54	< 10	< 1	0.14	< 10	2.24
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas	0.103	0.036	0.01	4	20	29		< 20	3	< 2	< 10	160	< 10	5	9
GXR-6 Cert	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
GXR-6 Meas	0.120	0.032	0.01	4	19	24		< 20	< 1	< 2	< 10	152	< 10	5	8
GXR-6 Cert	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
OREAS 922 (AQUA REGIA) Meas	0.028	0.063	0.38	3	4	15		< 20		< 2	< 10	33	< 10	20	18
OREAS 922 (AQUA REGIA) Cert	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas	0.028	0.058	0.34	< 2	3	13		< 20		< 2	< 10	32	< 10	18	7
OREAS 922 (AQUA REGIA) Cert	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 923 (AQUA REGIA) Meas		0.060	0.68	3	3	14		< 20		< 2	< 10	32	< 10	18	25
OREAS 923 (AQUA REGIA) Cert		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 923 (AQUA REGIA) Meas		0.054	0.59	3	3	12		< 20		< 2	< 10	31	< 10	17	10
OREAS 923 (AQUA REGIA) Cert		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
Oreas 621 (Aqua Regia) Meas	0.165	0.035	4.52	120	2	18		< 20		< 2	< 10	12	< 10	7	61
Oreas 621 (Aqua Regia) Cert	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
OREAS 45f (Aqua Regia) Meas	0.045	0.022	0.02		28	15	0.14	< 20		< 2	< 10	195		5	17
OREAS 45f (Aqua Regia) Cert	0.0320	0.0220	0.0270		31.4	13.2	0.0970	7.67		0.120	1.09	217		6.74	30.0
OREAS 45f (Aqua Regia) Meas	0.046	0.020	0.02		25	12	0.12	< 20		< 2	< 10	181		5	17
OREAS 45f (Aqua Regia) Cert	0.0320	0.0220	0.0270		31.4	13.2	0.0970	7.67		0.120	1.09	217		6.74	30.0
B411704 Orig	0.040	0.046	0.69	< 2	11	77	0.24	< 20	3	< 2	< 10	101	< 10	11	15
B411704 Dup	0.042	0.047	0.68	3	11	77	0.25	< 20	4	< 2	< 10	102	< 10	11	16
B411755 Orig	0.054	0.037	0.20	3	21	221	0.11	< 20	1	< 2	< 10	155	< 10	5	13
B411755 Dup	0.053	0.038	0.20	3	21	221	0.10	< 20	2	< 2	< 10	155	< 10	5	12
B411762 Orig	0.056	0.085	0.12	4	19	159	0.10	< 20	< 1	< 2	< 10	154	< 10	7	9
B411762 Split PREP DUP	0.056	0.086	0.11	2	19	157	0.10	< 20	< 1	< 2	< 10	153	< 10	7	8
B411778 Orig	0.178	0.035	1.35	< 2	12	24	0.25	< 20	5	< 2	< 10	117	< 10	7	11
B411778 Dup	0.180	0.036	1.33	< 2	12	24	0.24	< 20	8	< 2	< 10	116	< 10	7	11
Method Blank	0.006	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.008	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.007	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.008	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1



Report No.: A21-19198-1E3
Report Date: 15-Dec-21
Date Submitted: 12-Oct-21
Your Reference: LINGMAN LAKE FALL 2021

SIGNATURE RESOURCES LTD
366 Bay Street, suite 200
Toronto ON M5H 4B2
Canada

ATTN: Robert Vallis

CERTIFICATE OF ANALYSIS

53 Core samples were submitted for analysis.

Table with 2 columns: Analytical package(s) requested, Testing Date. Row 1: 1E3-Tbay, QOP AquaGeo (Aqua Regia ICPOES), 2021-12-13 12:51:44

REPORT A21-19198-1E3

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

Notes:

Values which exceed the upper limit should be assayed for accurate numbers.

Footnote: sample B411820 and B411840 are insufficient.



LabID: 673

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CERTIFIED BY:

Handwritten signature of Emmanuel Eseme

Emmanuel Eseme, Ph.D.
Quality Control Coordinator

## Results

## Activation Laboratories Ltd.

## Report: A21-19198

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2		0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B411814	1.0	1.0	48	866	2	49	64	121	1.74	< 2	< 10	122	< 0.5	< 2	4.97	23	69	4.99	< 10	< 1	1.35	16	2.03
B411815	0.7	< 0.5	85	946	3	78	7	99	2.29	< 2	< 10	85	< 0.5	< 2	5.32	36	115	7.94	< 10	1	1.02	< 10	2.70
B411816	0.5	< 0.5	67	947	1	68	5	92	2.08	< 2	< 10	105	< 0.5	< 2	5.66	31	102	7.23	< 10	< 1	1.31	< 10	2.48
B411817	1.1	< 0.5	90	974	< 1	60	11	92	1.94	< 2	< 10	30	< 0.5	< 2	5.20	31	93	7.34	< 10	< 1	0.36	< 10	2.30
B411818	4.8	5.6	298	881	2	200	29	686	2.81	174	< 10	12	< 0.5	< 2	3.47	72	91	8.65	< 10	< 1	0.11	10	2.10
B411819	19.1	9.7	1670	614	10	578	17	1270	3.54	646	< 10	< 10	< 0.5	< 2	1.33	171	370	9.99	10	< 1	0.04	21	2.36
B411821	12.5	0.6	1140	991	4	168	41	166	1.92	7	< 10	12	< 0.5	< 2	3.46	82	23	9.51	< 10	< 1	0.12	< 10	2.29
B411822	4.0	< 0.5	393	1230	57	82	5	196	2.58	4	< 10	< 10	< 0.5	< 2	4.10	59	45	11.0	10	1	0.05	< 10	3.46
B411823	0.8	< 0.5	97	1210	2	47	2	76	1.41	14	< 10	< 10	< 0.5	< 2	4.96	43	42	8.61	< 10	< 1	0.03	< 10	3.09
B411824	1.6	< 0.5	141	1260	2	40	5	60	0.91	11	< 10	19	< 0.5	< 2	5.18	36	36	7.44	< 10	< 1	0.08	< 10	2.87
B411825	1.0	< 0.5	108	1380	4	35	3	54	0.90	13	< 10	< 10	< 0.5	< 2	6.95	34	28	7.49	< 10	< 1	0.03	< 10	3.44
B411838	15.9	0.9	80	967	4	217	263	196	2.31	64	< 10	112	< 0.5	< 2	6.68	41	547	6.91	< 10	< 1	0.57	20	4.43
B411839	7.6	1.2	117	799	16	204	233	261	3.44	24	< 10	43	< 0.5	< 2	6.30	50	557	8.78	10	1	1.00	17	5.05
B411841	0.9	0.5	10	857	< 1	190	< 2	111	2.49	6	< 10	179	< 0.5	< 2	7.21	26	521	4.34	< 10	< 1	1.34	37	3.84
B411842	4.4	< 0.5	186	915	16	61	15	217	4.06	9	< 10	37	< 0.5	< 2	3.11	63	66	11.9	20	< 1	0.26	< 10	4.52
B411843	22.1	< 0.5	270	934	14	45	24	176	3.49	11	< 10	37	< 0.5	< 2	3.50	53	17	10.3	10	< 1	0.27	< 10	3.57
B411844	3.4	< 0.5	144	924	44	52	< 2	132	3.54	3	< 10	94	< 0.5	< 2	3.59	40	52	7.71	10	2	0.44	< 10	3.47
B411847	< 0.2	< 0.5	51	663	16	11	< 2	33	1.66	< 2	< 10	21	< 0.5	< 2	2.26	26	3	5.74	< 10	< 1	0.15	< 10	1.18
B411848	0.3	< 0.5	158	800	5	11	< 2	41	2.07	< 2	< 10	< 10	< 0.5	< 2	2.63	35	< 1	6.53	< 10	< 1	0.12	< 10	1.38
B411849	1.4	< 0.5	484	575	4	18	< 2	26	1.54	< 2	< 10	13	< 0.5	75	2.41	33	2	4.51	< 10	< 1	0.12	< 10	1.06
B411850	0.2	< 0.5	12	82	< 1	7	40	56	1.24	6	30	64	< 0.5	< 2	> 10.0	2	17	1.17	< 10	< 1	0.03	< 10	1.50
B411851	0.3	< 0.5	252	654	6	22	< 2	35	1.78	< 2	< 10	12	< 0.5	< 2	2.25	31	4	4.68	< 10	< 1	0.10	< 10	1.42
B411857	1.3	< 0.5	79	717	1	45	20	46	1.36	7	< 10	40	< 0.5	< 2	4.69	25	66	4.50	< 10	< 1	0.40	< 10	1.70
B411865	1.7	< 0.5	123	1070	9	44	7	82	1.71	< 2	< 10	72	< 0.5	< 2	5.05	35	38	6.15	< 10	< 1	0.18	< 10	2.69
B411866	1.4	< 0.5	128	1050	< 1	38	3	80	1.14	< 2	< 10	79	< 0.5	< 2	4.19	36	31	6.96	< 10	< 1	0.20	< 10	2.57
B411867	0.6	< 0.5	10	982	1	309	10	112	2.03	23	< 10	175	< 0.5	< 2	6.19	38	563	5.19	< 10	< 1	0.42	19	4.95
B411868	1.4	< 0.5	102	1170	< 1	117	11	91	1.19	< 2	< 10	44	< 0.5	< 2	6.04	36	162	6.42	< 10	< 1	0.10	< 10	3.47
B411869	2.3	< 0.5	117	1160	< 1	87	10	119	1.52	< 2	< 10	54	< 0.5	< 2	5.37	42	97	7.85	< 10	< 1	0.16	< 10	3.24
B411870	0.3	< 0.5	11	83	< 1	8	40	57	1.21	6	29	69	< 0.5	< 2	> 10.0	2	17	1.14	< 10	< 1	0.02	< 10	1.48
B411871	1.7	< 0.5	116	1070	< 1	105	7	107	1.35	5	< 10	32	< 0.5	< 2	5.45	40	151	6.70	< 10	< 1	0.11	< 10	3.37
B411872	2.9	< 0.5	242	1110	28	58	28	89	1.11	3	< 10	87	< 0.5	< 2	4.48	36	40	7.03	< 10	< 1	0.42	< 10	2.82
B411873	2.0	0.7	186	983	6	80	23	122	1.69	19	< 10	88	< 0.5	< 2	4.45	41	90	6.62	< 10	< 1	0.60	< 10	2.89
B411874	0.2	0.7	4	914	< 1	254	21	137	2.02	31	< 10	116	< 0.5	< 2	6.30	35	684	4.46	< 10	< 1	0.55	42	4.61
B411875	0.3	0.6	18	713	< 1	189	12	73	1.75	48	< 10	207	< 0.5	< 2	4.91	27	537	3.32	< 10	< 1	0.71	30	3.34
B411876	0.3	< 0.5	19	649	< 1	184	8	70	1.75	44	< 10	201	< 0.5	< 2	4.58	29	539	3.15	< 10	< 1	0.68	30	3.05
B411877	0.7	< 0.5	76	360	< 1	28	5	42	0.64	4	< 10	60	< 0.5	< 2	1.94	8	33	1.58	< 10	< 1	0.19	15	0.70
B411878	0.3	< 0.5	30	305	< 1	24	4	34	0.76	6	< 10	131	< 0.5	< 2	1.83	9	34	1.81	< 10	< 1	0.20	20	0.74
B411879	0.4	< 0.5	32	290	< 1	25	5	37	0.82	2	< 10	217	< 0.5	< 2	1.32	10	32	1.96	< 10	< 1	0.27	16	0.69
B411880	0.2	< 0.5	156	741	< 1	49	6	79	3.48	20	26	18	< 0.5	< 2	3.19	27	17	5.35	< 10	< 1	0.08	< 10	1.59
B411881	< 0.2	< 0.5	26	282	< 1	25	< 2	32	0.78	4	< 10	65	< 0.5	< 2	1.40	8	37	1.76	< 10	< 1	0.10	16	0.77
B411882	< 0.2	< 0.5	23	339	< 1	40	< 2	38	0.95	2	< 10	109	< 0.5	< 2	1.70	10	74	2.02	< 10	< 1	0.18	19	1.01
B411883	0.5	0.6	14	590	< 1	161	< 2	66	2.00	11	< 10	516	< 0.5	< 2	3.31	25	476	2.90	< 10	< 1	0.90	37	2.54
B411884	1.1	< 0.5	130	1080	7	26	2	33	1.72	24	< 10	41	< 0.5	< 2	3.62	29	23	5.22	< 10	< 1	0.47	< 10	1.47
B411885	2.3	0.6	83	1160	2	10	5	85	0.54	7	< 10	22	< 0.5	< 2	> 10.0	12	4	3.63	< 10	< 1	0.16	< 10	4.25
B411886	0.4	< 0.5	90	658	49	32	< 2	36	2.32	15	< 10	57	< 0.5	< 2	1.68	30	37	4.63	< 10	< 1	0.28	< 10	1.60
B411891	< 0.2	< 0.5	79	523	12	11	< 2	22	1.38	3	< 10	< 10	< 0.5	< 2	2.01	21	4	3.39	< 10	< 1	0.08	< 10	0.99
B411892	< 0.2	< 0.5	75	671	21	8	< 2	35	1.52	< 2	< 10	< 10	< 0.5	< 2	2.10	29	2	6.87	< 10	< 1	0.08	< 10	1.05
B411893	< 0.2	< 0.5	79	619	7	3	< 2	30	1.67	< 2	< 10	< 10	< 0.5	< 2	2.27	24	< 1	6.63	< 10	< 1	0.07	< 10	0.84
B411894	< 0.2	< 0.5	73	528	5	6	< 2	22	1.55	< 2	< 10	< 10	< 0.5	< 2	2.45	22	2	5.29	< 10	< 1	0.06	< 10	0.72
B411895	< 0.2	< 0.5	85	641	2	15	< 2	30	1.43	< 2	< 10	< 10	< 0.5	< 2	2.10	27	5	4.77	< 10	< 1	0.08	< 10	1.19
B411896	< 0.2	< 0.5	87	676	10	16	< 2	30	1.53	< 2	< 10	12	< 0.5	< 2	2.24	27	5	5.05	< 10	< 1	0.11	< 10	1.30

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	10	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B411814	0.108	0.032	0.54	< 2	10	205	0.21	< 20	1	< 2	10	87	< 10	6	29
B411815	0.067	0.037	0.17	4	16	291	0.20	< 20	2	< 2	< 10	156	< 10	5	8
B411816	0.070	0.036	0.16	3	15	275	0.22	< 20	1	< 2	< 10	141	< 10	5	8
B411817	0.074	0.025	0.43	2	8	301	0.14	< 20	< 1	< 2	< 10	157	< 10	5	8
B411818	0.078	0.050	0.44	3	15	111	0.08	< 20	< 1	< 2	< 10	206	< 10	7	13
B411819	0.071	0.061	0.60	6	19	28	0.06	< 20	3	< 2	< 10	226	< 10	7	7
B411821	0.080	0.038	1.38	3	17	169	0.13	< 20	< 1	< 2	< 10	188	< 10	7	20
B411822	0.047	0.073	0.61	4	27	169	0.12	< 20	< 1	< 2	< 10	224	< 10	6	14
B411823	0.059	0.025	0.43	3	23	177	0.12	< 20	3	< 2	< 10	176	< 10	4	12
B411824	0.065	0.019	0.24	< 2	18	212	0.14	< 20	4	< 2	< 10	141	< 10	4	11
B411825	0.052	0.070	0.18	< 2	18	247	0.10	< 20	5	< 2	< 10	106	< 10	6	10
B411838	0.044	0.173	0.92	3	18	282	0.12	< 20	1	< 2	< 10	96	< 10	8	8
B411839	0.024	0.227	1.47	5	26	246	0.14	< 20	3	< 2	< 10	150	< 10	8	8
B411841	0.056	0.192	0.10	3	13	388	0.17	< 20	2	< 2	< 10	65	< 10	7	5
B411842	0.027	0.117	1.80	3	30	140	0.10	< 20	< 1	< 2	< 10	246	11	8	12
B411843	0.033	0.085	2.44	4	28	85	0.13	< 20	< 1	< 2	< 10	204	< 10	7	15
B411844	0.190	0.068	0.53	2	19	62	0.18	< 20	< 1	< 2	< 10	168	< 10	8	10
B411847	0.241	0.059	0.07	2	14	12	0.23	< 20	4	< 2	< 10	132	< 10	15	13
B411848	0.293	0.056	0.38	< 2	20	9	0.26	< 20	3	< 2	< 10	254	< 10	16	14
B411849	0.162	0.028	0.67	< 2	12	15	0.23	< 20	47	< 2	< 10	130	55	8	10
B411850	0.027	0.014	0.50	< 2	2	253	0.06	< 20	< 1	2	< 10	29	< 10	4	10
B411851	0.207	0.043	0.37	< 2	13	15	0.31	< 20	1	< 2	< 10	124	< 10	10	12
B411857	0.126	0.019	1.16	< 2	7	173	0.13	< 20	< 1	< 2	< 10	52	< 10	4	14
B411865	0.141	0.045	0.53	< 2	10	198	0.12	< 20	2	< 2	< 10	114	< 10	6	12
B411866	0.111	0.026	0.37	< 2	12	181	0.13	< 20	2	< 2	< 10	145	< 10	7	14
B411867	0.067	0.104	0.04	3	9	331	0.11	< 20	1	< 2	< 10	88	< 10	6	8
B411868	0.053	0.007	0.47	< 2	18	265	0.11	< 20	< 1	< 2	< 10	103	< 10	4	13
B411869	0.056	0.010	0.42	3	21	177	0.13	< 20	3	< 2	< 10	148	< 10	4	14
B411870	0.023	0.014	0.49	< 2	2	225	0.06	< 20	< 1	3	< 10	29	< 10	4	8
B411871	0.050	0.009	0.23	2	17	218	0.12	< 20	< 1	< 2	< 10	124	< 10	4	15
B411872	0.060	0.009	0.79	< 2	17	182	0.12	< 20	< 1	< 2	< 10	130	< 10	4	13
B411873	0.063	0.008	0.69	3	20	238	0.15	< 20	3	< 2	< 10	137	< 10	3	15
B411874	0.049	0.149	0.01	5	12	355	0.11	< 20	1	< 2	< 10	79	< 10	7	3
B411875	0.080	0.154	0.02	2	7	284	0.12	< 20	< 1	< 2	< 10	61	< 10	6	4
B411876	0.090	0.162	0.02	< 2	7	262	0.12	< 20	< 1	< 2	< 10	61	< 10	6	4
B411877	0.145	0.054	0.16	< 2	3	71	0.09	< 20	3	< 2	< 10	22	< 10	4	10
B411878	0.130	0.058	0.03	< 2	2	65	0.11	< 20	3	< 2	< 10	32	< 10	4	12
B411879	0.154	0.058	0.05	< 2	3	40	0.14	< 20	3	< 2	< 10	45	< 10	5	15
B411880	0.132	0.034	0.18	< 2	5	36	0.42	< 20	6	< 2	< 10	148	< 10	11	15
B411881	0.155	0.063	0.01	< 2	3	38	0.11	< 20	5	< 2	< 10	29	< 10	4	7
B411882	0.162	0.078	0.02	< 2	3	49	0.13	< 20	4	< 2	< 10	32	< 10	4	8
B411883	0.141	0.203	0.04	< 2	5	126	0.21	< 20	2	< 2	< 10	53	< 10	6	4
B411884	0.167	0.018	1.53	< 2	10	39	0.17	< 20	3	< 2	< 10	84	< 10	7	8
B411885	0.025	0.006	1.10	< 2	3	65	0.05	< 20	< 1	< 2	< 10	29	34	5	4
B411886	0.267	0.028	0.25	< 2	14	42	0.16	< 20	< 1	< 2	< 10	123	< 10	6	8
B411891	0.184	0.031	0.04	< 2	11	24	0.29	< 20	3	< 2	< 10	111	< 10	10	9
B411892	0.215	0.051	0.08	< 2	14	12	0.28	< 20	3	< 2	< 10	229	< 10	14	11
B411893	0.188	0.080	0.11	3	12	19	0.24	< 20	5	< 2	< 10	99	< 10	19	10
B411894	0.149	0.077	0.11	< 2	11	23	0.28	< 20	5	< 2	< 10	119	< 10	18	11
B411895	0.220	0.043	0.17	< 2	13	6	0.28	< 20	5	< 2	< 10	149	< 10	11	11
B411896	0.232	0.044	0.14	< 2	14	7	0.29	< 20	4	< 2	< 10	161	< 10	12	11

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas	0.3	< 0.5	70	1090	1	23	96	131	6.77	241	< 10	705	0.9	< 2	0.14	13	74	5.68	20	2	1.05	< 10	0.37
GXR-6 Cert	1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9	0.609
GXR-6 Meas	0.3	< 0.5	68	1050	1	23	89	115	6.26	234	< 10	674	0.9	< 2	0.13	15	68	5.12	10	1	0.99	< 10	0.36
GXR-6 Cert	1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9	0.609
OREAS 922 (AQUA REGIA) Meas	0.8	< 0.5	2250	784	< 1	34	54	262	2.76	5		76	0.8	5	0.42	19	42	5.20	< 10		0.46	35	1.24
OREAS 922 (AQUA REGIA) Cert	0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5	1.33
OREAS 922 (AQUA REGIA) Meas	0.7	0.6	2250	766	< 1	31	55	229	2.54	6		71	0.7	5	0.38	20	39	4.84	< 10		0.44	29	1.22
OREAS 922 (AQUA REGIA) Cert	0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5	1.33
OREAS 923 (AQUA REGIA) Meas	1.5	< 0.5	4270	879	< 1	29	81	335	2.72	7		59	0.7	18	0.42	22	39	5.91	< 10		0.39	32	1.31
OREAS 923 (AQUA REGIA) Cert	1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0	1.43
OREAS 923 (AQUA REGIA) Meas	1.7	0.7	4310	856	< 1	30	72	301	2.53	5		57	0.7	11	0.38	23	36	5.41	< 10		0.37	27	1.31
OREAS 923 (AQUA REGIA) Cert	1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0	1.43
Oreas 621 (Aqua Regia) Meas	66.9	288	3740	563	14	24	> 5000	> 10000	1.77	81			0.6	3	1.49	32	27	3.50	10	4	0.37	19	0.41
Oreas 621 (Aqua Regia) Cert	68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4	0.436
OREAS 45f (Aqua Regia) Meas			358	182	< 1	232	13	28	7.30			131	1.1	< 2	0.07	41	327	14.3	20	< 1	0.10	11	0.17
OREAS 45f (Aqua Regia) Cert			336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750	39.2	341	13.7	20.3	0.0310	0.0820	10.7	0.152
OREAS 45f (Aqua Regia) Meas			334	170	1	205	7	24	6.55			120	1.0	3	0.07	39	295	12.6	20	2	0.10	< 10	0.16
OREAS 45f (Aqua Regia) Cert			336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750	39.2	341	13.7	20.3	0.0310	0.0820	10.7	0.152
B411818 Orig	4.8	5.3	296	876	2	199	32	687	2.77	170	< 10	12	< 0.5	< 2	3.44	72	90	8.58	< 10	2	0.11	10	2.08
B411818 Dup	4.8	5.8	301	886	2	202	27	684	2.84	177	< 10	12	< 0.5	< 2	3.49	73	92	8.73	< 10	< 1	0.11	10	2.12
B411847 Orig	< 0.2	< 0.5	51	672	18	11	< 2	34	1.66	< 2	< 10	21	< 0.5	< 2	2.28	26	3	5.71	< 10	< 1	0.15	< 10	1.18
B411847 Dup	0.2	< 0.5	52	654	13	12	< 2	33	1.66	< 2	< 10	20	< 0.5	< 2	2.24	26	3	5.77	< 10	< 1	0.15	< 10	1.18
B411865 Orig	1.7	< 0.5	123	1070	9	44	7	82	1.71	< 2	< 10	72	< 0.5	< 2	5.05	35	38	6.15	< 10	< 1	0.18	< 10	2.69
B411865 Split PREP DUP	1.7	< 0.5	119	1110	13	40	7	78	1.71	< 2	< 10	49	< 0.5	< 2	5.38	39	34	6.15	< 10	< 1	0.13	< 10	2.68
B411872 Orig	3.0	< 0.5	248	1140	30	60	29	91	1.14	3	< 10	85	< 0.5	< 2	4.58	35	41	7.20	< 10	< 1	0.43	< 10	2.88
B411872 Dup	2.8	< 0.5	236	1080	27	56	27	88	1.08	3	< 10	89	< 0.5	< 2	4.38	37	39	6.87	< 10	< 1	0.41	< 10	2.75
B411892 Orig	< 0.2	< 0.5	75	661	21	8	< 2	35	1.51	3	< 10	< 10	< 0.5	< 2	2.06	30	2	6.81	< 10	< 1	0.08	< 10	1.04
B411892 Dup	< 0.2	< 0.5	75	681	20	8	< 2	36	1.52	< 2	< 10	< 10	< 0.5	3	2.13	28	2	6.93	< 10	< 1	0.08	< 10	1.07
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas	0.103	0.036	0.01	4	20	29		< 20	3	< 2	< 10	160	< 10	5	9
GXR-6 Cert	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
GXR-6 Meas	0.120	0.032	0.01	4	19	24		< 20	< 1	< 2	< 10	152	< 10	5	8
GXR-6 Cert	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
OREAS 922 (AQUA REGIA) Meas	0.028	0.063	0.38	3	4	15		< 20		< 2	< 10	33	< 10	20	18
OREAS 922 (AQUA REGIA) Cert	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas	0.028	0.058	0.34	< 2	3	13		< 20		< 2	< 10	32	< 10	18	7
OREAS 922 (AQUA REGIA) Cert	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 923 (AQUA REGIA) Meas		0.060	0.68	3	3	14		< 20		< 2	< 10	32	< 10	18	25
OREAS 923 (AQUA REGIA) Cert		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 923 (AQUA REGIA) Meas		0.054	0.59	3	3	12		< 20		< 2	< 10	31	< 10	17	10
OREAS 923 (AQUA REGIA) Cert		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
Oreas 621 (Aqua Regia) Meas	0.165	0.035	4.52	120	2	18		< 20		< 2	< 10	12	< 10	7	61
Oreas 621 (Aqua Regia) Cert	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
OREAS 45f (Aqua Regia) Meas	0.045	0.022	0.02		28	15	0.14	< 20		< 2	< 10	195		5	17
OREAS 45f (Aqua Regia) Cert	0.0320	0.0220	0.0270		31.4	13.2	0.0970	7.67		0.120	1.09	217		6.74	30.0
OREAS 45f (Aqua Regia) Meas	0.046	0.020	0.02		25	12	0.12	< 20		< 2	< 10	181		5	17
OREAS 45f (Aqua Regia) Cert	0.0320	0.0220	0.0270		31.4	13.2	0.0970	7.67		0.120	1.09	217		6.74	30.0
B411818 Orig	0.077	0.049	0.43	3	15	110	0.08	< 20	< 1	< 2	< 10	204	< 10	6	14
B411818 Dup	0.079	0.050	0.44	3	15	112	0.08	< 20	3	< 2	< 10	207	< 10	7	11
B411847 Orig	0.245	0.057	0.07	3	14	12	0.23	< 20	6	< 2	< 10	133	< 10	15	13
B411847 Dup	0.238	0.060	0.07	2	14	12	0.23	< 20	2	< 2	< 10	131	< 10	15	12
B411865 Orig	0.141	0.045	0.53	< 2	10	198	0.12	< 20	2	< 2	< 10	114	< 10	6	12
B411865 Split PREP DUP	0.140	0.058	0.55	< 2	9	210	0.10	< 20	< 1	< 2	< 10	109	< 10	7	11
B411872 Orig	0.060	0.009	0.80	< 2	18	188	0.13	< 20	< 1	< 2	< 10	133	< 10	4	13
B411872 Dup	0.060	0.009	0.78	3	17	177	0.12	< 20	3	< 2	< 10	127	< 10	4	13
B411892 Orig	0.213	0.051	0.08	< 2	14	12	0.28	< 20	5	< 2	< 10	227	< 10	13	11
B411892 Dup	0.218	0.052	0.08	< 2	15	13	0.28	< 20	2	< 2	< 10	231	< 10	14	11
Method Blank	0.006	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.008	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.007	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.008	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1



Report No.: A21-19199-1E3
Report Date: 16-Dec-21
Date Submitted: 12-Oct-21
Your Reference: LINGMAN LAKE FALL 2021

SIGNATURE RESOURCES LTD
366 Bay Street, suite 200
Toronto ON M5H 4B2
Canada

ATTN: Robert Vallis

CERTIFICATE OF ANALYSIS

46 Core samples were submitted for analysis.

Table with 2 columns: Analytical package(s) requested, Testing Date. Row 1: 1E3-Tbay, QOP AquaGeo (Aqua Regia ICPOES), 2021-12-13 12:51:44

REPORT A21-19199-1E3

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Notes:

Values which exceed the upper limit should be assayed for accurate numbers.



LabID: 673

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CERTIFIED BY:

Handwritten signature of Emmanuel Esemé

Emmanuel Esemé, Ph.D.
Quality Control Coordinator



## Results

## Activation Laboratories Ltd.

## Report: A21-19199

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2		0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B411805	< 0.2	< 0.5	1	290	< 1	3	10	35	1.36	< 2	< 10	123	< 0.5	< 2	1.09	4	3	1.90	< 10	< 1	0.70	15	1.62
B411806	< 0.2	< 0.5	7	265	5	1	8	72	1.08	< 2	< 10	52	< 0.5	< 2	0.49	4	2	1.73	< 10	< 1	0.42	16	1.30
B411807	< 0.2	< 0.5	2	269	< 1	3	8	53	1.58	< 2	< 10	91	< 0.5	< 2	0.19	5	3	1.77	< 10	< 1	0.88	16	1.60
B411808	< 0.2	< 0.5	4	235	< 1	4	12	28	1.12	< 2	< 10	55	< 0.5	< 2	0.23	5	3	1.32	< 10	< 1	0.59	20	0.82
B411809	0.2	< 0.5	2	159	< 1	< 1	26	31	0.73	< 2	< 10	48	< 0.5	< 2	0.11	2	1	0.82	< 10	< 1	0.33	15	0.42
B411810	0.2	< 0.5	11	79	< 1	7	35	53	1.08	7	29	58	< 0.5	< 2	> 10.0	2	15	1.01	< 10	< 1	0.03	< 10	1.33
B411811	< 0.2	< 0.5	29	153	< 1	3	13	23	0.28	3	< 10	16	< 0.5	< 2	0.53	5	2	0.84	< 10	< 1	0.06	20	0.23
B411812	0.4	< 0.5	15	191	< 1	2	10	24	0.26	< 2	< 10	< 10	< 0.5	< 2	0.83	2	2	0.67	< 10	< 1	< 0.01	18	0.24
B411813	< 0.2	< 0.5	36	174	< 1	5	6	26	0.24	4	< 10	< 10	< 0.5	< 2	0.75	4	2	0.84	< 10	< 1	0.03	20	0.23
B411826	1.0	< 0.5	83	1130	4	34	5	42	0.54	8	< 10	15	< 0.5	< 2	5.22	34	32	5.88	< 10	< 1	0.04	< 10	2.48
B411827	0.5	< 0.5	83	1190	8	34	2	43	0.53	8	< 10	< 10	< 0.5	< 2	5.54	30	32	5.79	< 10	< 1	0.02	< 10	2.61
B411828	0.4	< 0.5	132	1090	5	46	< 2	81	1.20	12	< 10	< 10	< 0.5	< 2	4.89	43	41	7.11	< 10	< 1	0.02	< 10	2.76
B411829	2.2	< 0.5	140	1130	18	46	3	80	0.92	3	< 10	13	< 0.5	< 2	4.79	40	41	6.80	< 10	< 1	0.02	< 10	2.72
B411830	0.3	< 0.5	11	80	< 1	7	36	53	1.14	7	29	53	< 0.5	< 2	> 10.0	1	17	1.06	< 10	< 1	0.03	< 10	1.38
B411831	1.2	0.5	82	1090	31	51	3	91	1.33	14	< 10	< 10	< 0.5	< 2	4.00	40	40	5.74	< 10	< 1	0.03	< 10	2.86
B411832	4.7	0.6	131	1230	18	46	182	197	1.30	11	< 10	< 10	< 0.5	< 2	4.24	42	41	7.09	< 10	< 1	0.04	< 10	2.73
B411833	4.6	0.6	179	1180	4	43	367	162	2.04	18	< 10	11	< 0.5	2	4.61	44	40	6.57	< 10	< 1	0.09	< 10	2.79
B411834	5.7	0.7	162	1160	25	138	37	121	1.57	345	< 10	< 10	< 0.5	3	4.92	43	84	4.50	< 10	< 1	0.04	< 10	2.86
B411835	0.8	< 0.5	1	2580	1	8	14	35	0.08	12	< 10	< 10	< 0.5	4	> 10.0	6	6	3.11	< 10	< 1	< 0.01	< 10	7.25
B411836	0.6	< 0.5	1	2660	1	9	7	33	0.11	13	< 10	< 10	< 0.5	2	> 10.0	8	7	3.10	< 10	< 1	< 0.01	< 10	7.10
B411837	1.7	< 0.5	2	2250	3	15	6	48	0.20	18	< 10	< 10	< 0.5	< 2	> 10.0	9	11	3.77	< 10	< 1	0.01	< 10	6.90
B411845	3.0	< 0.5	92	587	43	42	< 2	33	1.78	2	< 10	23	< 0.5	< 2	2.57	26	55	3.63	< 10	< 1	0.09	< 10	1.80
B411846	< 0.2	< 0.5	55	575	2	14	< 2	25	1.14	< 2	< 10	< 10	< 0.5	< 2	1.76	24	4	4.04	< 10	< 1	0.06	< 10	1.04
B411852	0.8	< 0.5	218	566	2	26	< 2	33	1.70	< 2	< 10	47	< 0.5	< 2	1.88	38	10	4.30	< 10	< 1	0.23	< 10	1.32
B411853	0.3	< 0.5	159	504	2	19	< 2	26	1.42	< 2	< 10	< 10	< 0.5	< 2	1.60	30	7	3.54	< 10	< 1	0.07	< 10	1.10
B411854	0.3	< 0.5	199	592	< 1	19	< 2	30	1.55	< 2	< 10	10	< 0.5	< 2	1.94	30	6	4.22	< 10	< 1	0.09	< 10	1.22
B411855	0.5	< 0.5	198	601	1	19	< 2	31	1.55	< 2	< 10	< 10	< 0.5	< 2	1.96	27	7	3.97	< 10	< 1	0.08	< 10	1.21
B411856	0.4	< 0.5	274	638	3	21	< 2	33	1.60	< 2	< 10	< 10	< 0.5	< 2	2.03	30	8	4.28	< 10	< 1	0.09	< 10	1.27
B411858	0.2	< 0.5	38	616	< 1	171	< 2	44	2.00	4	< 10	48	< 0.5	< 2	4.02	30	371	3.07	< 10	< 1	0.20	< 10	2.72
B411859	1.9	< 0.5	96	687	11	75	3	39	1.06	< 2	< 10	15	< 0.5	< 2	3.86	26	111	2.78	< 10	< 1	0.04	< 10	1.32
B411860	1.0	< 0.5	125	612	3	90	13	54	2.37	31	27	28	< 0.5	< 2	2.43	28	210	4.45	< 10	< 1	0.11	< 10	2.15
B411861	1.2	< 0.5	115	514	57	41	3	51	1.28	3	< 10	29	< 0.5	< 2	2.29	32	32	3.58	< 10	< 1	0.08	< 10	1.32
B411862	1.2	< 0.5	95	665	38	34	4	58	1.53	2	< 10	77	< 0.5	< 2	2.91	32	25	4.31	< 10	< 1	0.21	< 10	1.79
B411863	0.8	< 0.5	18	883	15	225	5	41	1.92	70	< 10	146	< 0.5	< 2	6.67	32	451	3.14	< 10	< 1	0.43	17	2.81
B411864	0.9	< 0.5	116	532	7	28	5	57	1.64	8	< 10	59	< 0.5	< 2	1.86	34	21	4.42	< 10	< 1	0.11	< 10	1.66
B411887	0.8	< 0.5	15	362	12	7	23	52	1.92	4	16	129	< 0.5	< 2	1.39	8	9	1.68	< 10	< 1	0.63	22	0.97
B411888	0.2	< 0.5	5	334	< 1	5	5	35	2.27	< 2	17	104	< 0.5	< 2	1.04	6	4	1.66	< 10	< 1	0.73	30	0.91
B411889	< 0.2	< 0.5	60	466	234	14	< 2	24	1.40	4	< 10	< 10	< 0.5	< 2	1.77	19	10	3.03	< 10	< 1	0.09	< 10	1.13
B411890	0.2	< 0.5	10	76	1	6	35	53	1.03	7	28	73	< 0.5	< 2	> 10.0	1	15	0.98	< 10	< 1	0.04	< 10	1.27
B411897	< 0.2	< 0.5	58	619	9	20	< 2	38	1.95	< 2	< 10	16	< 0.5	< 2	2.18	29	12	4.42	< 10	< 1	0.13	< 10	1.55
B411898	< 0.2	< 0.5	101	582	19	21	< 2	33	1.66	2	< 10	< 10	< 0.5	< 2	2.24	23	17	3.73	< 10	< 1	0.08	< 10	1.20
B411899	< 0.2	< 0.5	175	638	1	22	< 2	39	1.63	2	< 10	< 10	< 0.5	< 2	2.11	27	16	4.11	< 10	< 1	0.09	< 10	1.24
B411900	0.5	< 0.5	158	721	1	79	4	62	3.60	13	19	18	< 0.5	< 2	3.33	30	104	5.52	< 10	2	0.07	< 10	1.99
B411901	< 0.2	< 0.5	177	681	< 1	23	< 2	41	1.74	< 2	< 10	10	< 0.5	< 2	2.22	26	17	4.25	< 10	< 1	0.10	< 10	1.32
B411902	< 0.2	< 0.5	84	580	3	21	< 2	34	1.72	< 2	< 10	< 10	< 0.5	< 2	2.06	24	13	3.69	< 10	< 1	0.08	< 10	1.18
B411903	< 0.2	< 0.5	140	635	5	24	< 2	38	1.87	< 2	< 10	14	< 0.5	< 2	2.38	26	18	4.07	< 10	< 1	0.13	< 10	1.31

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B411805	0.093	0.018	0.15	< 2	2	33	0.07	< 20	2	< 2	< 10	27	< 10	4	13
B411806	0.090	0.014	0.04	< 2	< 1	30	0.08	< 20	1	< 2	< 10	20	< 10	5	17
B411807	0.068	0.021	0.02	< 2	1	16	0.08	< 20	< 1	< 2	< 10	17	< 10	6	17
B411808	0.057	0.029	0.29	< 2	1	11	0.07	< 20	4	< 2	< 10	12	< 10	5	14
B411809	0.053	0.014	0.25	< 2	< 1	7	0.02	< 20	< 1	< 2	< 10	6	< 10	6	24
B411810	0.027	0.012	0.42	< 2	2	209	0.05	< 20	1	< 2	< 10	28	< 10	4	4
B411811	0.121	0.026	0.17	< 2	< 1	13	0.09	< 20	3	< 2	< 10	12	< 10	5	16
B411812	0.124	0.047	0.08	< 2	< 1	25	0.09	< 20	3	< 2	< 10	10	< 10	5	12
B411813	0.121	0.043	0.21	< 2	< 1	19	0.10	< 20	3	< 2	< 10	10	< 10	5	12
B411826	0.054	0.013	0.35	< 2	15	181	0.10	< 20	2	< 2	< 10	109	< 10	3	9
B411827	0.051	0.012	0.13	2	14	198	0.10	< 20	4	< 2	< 10	98	< 10	3	8
B411828	0.044	0.023	0.08	< 2	20	159	0.10	< 20	2	< 2	< 10	146	< 10	4	9
B411829	0.049	0.028	0.08	2	18	188	0.10	< 20	4	< 2	< 10	146	< 10	4	9
B411830	0.028	0.013	0.50	2	2	221	0.06	< 20	< 1	< 2	< 10	28	< 10	4	7
B411831	0.046	0.030	0.04	< 2	19	168	0.10	< 20	2	< 2	< 10	131	< 10	4	11
B411832	0.042	0.033	0.36	3	19	176	0.09	< 20	< 1	< 2	< 10	141	< 10	5	11
B411833	0.047	0.033	0.29	< 2	17	136	0.10	< 20	2	< 2	< 10	124	< 10	5	10
B411834	0.045	0.037	0.26	< 2	12	121	0.04	< 20	< 1	< 2	< 10	67	< 10	4	11
B411835	0.016	0.037	0.01	< 2	7	420	< 0.01	< 20	1	< 2	< 10	8	< 10	4	2
B411836	0.015	0.039	< 0.01	< 2	7	419	< 0.01	< 20	2	< 2	< 10	9	< 10	4	2
B411837	0.014	0.062	0.01	< 2	8	420	0.01	< 20	2	< 2	< 10	15	< 10	5	4
B411845	0.275	0.021	0.07	< 2	10	49	0.17	< 20	5	< 2	< 10	85	< 10	5	6
B411846	0.204	0.036	0.08	< 2	12	8	0.19	< 20	3	< 2	< 10	124	< 10	10	10
B411852	0.244	0.032	0.54	< 2	11	12	0.22	< 20	3	< 2	< 10	107	< 10	8	9
B411853	0.151	0.030	0.34	< 2	9	12	0.20	< 20	< 1	< 2	< 10	96	< 10	8	8
B411854	0.236	0.038	0.36	< 2	11	10	0.19	< 20	6	< 2	< 10	114	< 10	9	10
B411855	0.237	0.034	0.22	< 2	11	11	0.17	< 20	1	< 2	< 10	107	< 10	8	8
B411856	0.250	0.035	0.27	< 2	12	10	0.17	< 20	7	< 2	< 10	113	< 10	9	9
B411858	0.142	0.017	0.01	< 2	4	160	0.11	< 20	< 1	< 2	< 10	50	< 10	4	10
B411859	0.121	0.008	0.41	< 2	5	133	0.10	< 20	< 1	< 2	< 10	54	< 10	4	11
B411860	0.060	0.030	0.38	< 2	6	28	0.33	< 20	4	< 2	< 10	124	< 10	9	13
B411861	0.175	0.019	0.35	< 2	8	45	0.14	< 20	2	< 2	< 10	80	< 10	6	14
B411862	0.175	0.025	0.49	< 2	9	66	0.14	< 20	< 1	< 2	< 10	101	< 10	6	12
B411863	0.069	0.027	0.16	< 2	4	357	0.09	< 20	2	< 2	< 10	51	< 10	4	14
B411864	0.253	0.037	0.24	< 2	11	33	0.13	< 20	2	< 2	< 10	113	< 10	8	10
B411887	0.188	0.032	0.02	< 2	2	30	0.09	< 20	< 1	< 2	< 10	22	< 10	4	10
B411888	0.235	0.038	< 0.01	< 2	2	30	0.10	< 20	2	< 2	< 10	23	< 10	4	6
B411889	0.147	0.028	0.03	< 2	10	23	0.23	< 20	3	< 2	< 10	99	< 10	8	8
B411890	0.029	0.013	0.44	< 2	2	232	0.05	< 20	1	2	< 10	26	< 10	4	12
B411897	0.164	0.023	0.12	< 2	13	20	0.28	< 20	6	< 2	< 10	119	< 10	9	10
B411898	0.201	0.036	0.08	< 2	11	15	0.24	< 20	1	< 2	< 10	100	< 10	8	9
B411899	0.189	0.035	0.14	< 2	12	13	0.21	< 20	2	< 2	< 10	104	< 10	8	9
B411900	0.048	0.034	0.25	< 2	6	40	0.38	< 20	3	< 2	< 10	141	< 10	10	13
B411901	0.208	0.034	0.10	< 2	13	12	0.22	< 20	3	< 2	< 10	108	< 10	8	9
B411902	0.184	0.033	0.07	2	10	16	0.24	< 20	4	< 2	< 10	96	< 10	8	9
B411903	0.236	0.033	0.11	< 2	13	14	0.22	< 20	5	< 2	< 10	106	< 10	8	7

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2		0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas	0.3	< 0.5	70	1090	1	23	96	131	6.77	241	< 10	705	0.9	< 2	0.14	13	74	5.68	20	2	1.05	< 10	0.37
GXR-6 Cert	1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9	0.609
GXR-6 Meas	0.3	< 0.5	68	1050	1	23	89	115	6.26	234	< 10	674	0.9	< 2	0.13	15	68	5.12	10	1	0.99	< 10	0.36
GXR-6 Cert	1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9	0.609
OREAS 922 (AQUA REGIA) Meas	0.8	< 0.5	2250	784	< 1	34	54	262	2.76	5		76	0.8	5	0.42	19	42	5.20	< 10		0.46	35	1.24
OREAS 922 (AQUA REGIA) Cert	0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5	1.33
OREAS 922 (AQUA REGIA) Meas	0.7	0.6	2250	766	< 1	31	55	229	2.54	6		71	0.7	5	0.38	20	39	4.84	< 10		0.44	29	1.22
OREAS 922 (AQUA REGIA) Cert	0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5	1.33
OREAS 923 (AQUA REGIA) Meas	1.5	< 0.5	4270	879	< 1	29	81	335	2.72	7		59	0.7	18	0.42	22	39	5.91	< 10		0.39	32	1.31
OREAS 923 (AQUA REGIA) Cert	1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0	1.43
OREAS 923 (AQUA REGIA) Meas	1.7	0.7	4310	856	< 1	30	72	301	2.53	5		57	0.7	11	0.38	23	36	5.41	< 10		0.37	27	1.31
OREAS 923 (AQUA REGIA) Cert	1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0	1.43
Oreas 621 (Aqua Regia) Meas	66.9	288	3740	563	14	24	> 5000	> 10000	1.77	81			0.6	3	1.49	32	27	3.50	10	4	0.37	19	0.41
Oreas 621 (Aqua Regia) Cert	68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4	0.436
OREAS 45f (Aqua Regia) Meas			358	182	< 1	232	13	28	7.30			131	1.1	< 2	0.07	41	327	14.3	20	< 1	0.10	11	0.17
OREAS 45f (Aqua Regia) Cert			336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750	39.2	341	13.7	20.3	0.0310	0.0820	10.7	0.152
OREAS 45f (Aqua Regia) Meas			334	170	1	205	7	24	6.55			120	1.0	3	0.07	39	295	12.6	20	2	0.10	< 10	0.16
OREAS 45f (Aqua Regia) Cert			336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750	39.2	341	13.7	20.3	0.0310	0.0820	10.7	0.152
B411826 Orig	1.0	0.5	84	1130	4	34	4	41	0.53	7	< 10	15	< 0.5	< 2	5.23	34	32	5.86	< 10	< 1	0.04	< 10	2.48
B411826 Dup	1.0	< 0.5	83	1120	4	34	5	43	0.54	8	< 10	15	< 0.5	< 2	5.21	34	32	5.90	< 10	< 1	0.04	< 10	2.48
B411846 Orig	< 0.2	< 0.5	55	578	2	14	< 2	25	1.14	< 2	< 10	< 10	< 0.5	< 2	1.77	24	4	4.05	< 10	< 1	0.06	< 10	1.04
B411846 Dup	< 0.2	< 0.5	56	573	3	14	< 2	25	1.14	< 2	< 10	< 10	< 0.5	< 2	1.76	24	4	4.02	< 10	< 1	0.06	< 10	1.03
B411852 Orig	0.8	< 0.5	218	566	2	26	< 2	33	1.70	< 2	< 10	47	< 0.5	< 2	1.88	38	10	4.30	< 10	< 1	0.23	< 10	1.32
B411852 Split PREP DUP	0.6	< 0.5	213	550	2	25	< 2	30	1.62	< 2	< 10	45	< 0.5	< 2	1.82	33	10	4.12	< 10	< 1	0.22	< 10	1.27
B411887 Orig	0.9	< 0.5	15	368	11	7	24	52	1.93	4	16	131	< 0.5	< 2	1.40	8	9	1.70	< 10	< 1	0.64	23	0.98
B411887 Dup	0.7	< 0.5	15	356	12	7	23	52	1.92	4	15	127	< 0.5	< 2	1.37	7	9	1.67	< 10	< 1	0.62	22	0.96
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas	0.103	0.036	0.01	4	20	29		< 20	3	< 2	< 10	160	< 10	5	9
GXR-6 Cert	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
GXR-6 Meas	0.120	0.032	0.01	4	19	24		< 20	< 1	< 2	< 10	152	< 10	5	8
GXR-6 Cert	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
OREAS 922 (AQUA REGIA) Meas	0.028	0.063	0.38	3	4	15		< 20		< 2	< 10	33	< 10	20	18
OREAS 922 (AQUA REGIA) Cert	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas	0.028	0.058	0.34	< 2	3	13		< 20		< 2	< 10	32	< 10	18	7
OREAS 922 (AQUA REGIA) Cert	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 923 (AQUA REGIA) Meas		0.060	0.68	3	3	14		< 20		< 2	< 10	32	< 10	18	25
OREAS 923 (AQUA REGIA) Cert		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 923 (AQUA REGIA) Meas		0.054	0.59	3	3	12		< 20		< 2	< 10	31	< 10	17	10
OREAS 923 (AQUA REGIA) Cert		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
Oreas 621 (Aqua Regia) Meas	0.165	0.035	4.52	120	2	18		< 20		< 2	< 10	12	< 10	7	61
Oreas 621 (Aqua Regia) Cert	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
OREAS 45f (Aqua Regia) Meas	0.045	0.022	0.02		28	15	0.14	< 20		< 2	< 10	195		5	17
OREAS 45f (Aqua Regia) Cert	0.0320	0.0220	0.0270		31.4	13.2	0.0970	7.67		0.120	1.09	217		6.74	30.0
OREAS 45f (Aqua Regia) Meas	0.046	0.020	0.02		25	12	0.12	< 20		< 2	< 10	181		5	17
OREAS 45f (Aqua Regia) Cert	0.0320	0.0220	0.0270		31.4	13.2	0.0970	7.67		0.120	1.09	217		6.74	30.0
B411826 Orig	0.053	0.013	0.35	< 2	15	180	0.10	< 20	3	< 2	< 10	110	< 10	3	9
B411826 Dup	0.054	0.013	0.35	3	15	182	0.11	< 20	2	< 2	< 10	108	< 10	3	10
B411846 Orig	0.205	0.036	0.08	< 2	12	8	0.20	< 20	3	< 2	< 10	125	< 10	10	10
B411846 Dup	0.204	0.037	0.08	< 2	12	8	0.18	< 20	4	< 2	< 10	123	< 10	10	9
B411852 Orig	0.244	0.032	0.54	< 2	11	12	0.22	< 20	3	< 2	< 10	107	< 10	8	9
B411852 Split PREP DUP	0.235	0.032	0.51	< 2	11	12	0.20	< 20	4	< 2	< 10	101	< 10	8	8
B411887 Orig	0.189	0.032	0.02	< 2	2	30	0.09	< 20	< 1	< 2	< 10	23	< 10	4	6
B411887 Dup	0.186	0.032	0.02	< 2	2	30	0.09	< 20	< 1	< 2	< 10	22	< 10	4	13
Method Blank	0.006	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.008	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.007	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.008	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1



Report No.: A21-20146-1E3
Report Date: 15-Feb-22
Date Submitted: 25-Oct-21
Your Reference: LINGMAN LAKE FALL 2021

SIGNATURE RESOURCES LTD
235 Eleventh Line
Collingwood ON L9Y5G6
Canada

ATTN: P.GEO. Walter Hanych

CERTIFICATE OF ANALYSIS

29 Core samples were submitted for analysis.

Table with 2 columns: Analytical package(s) requested and Testing Date. Row 1: 1E3-Tbay, QOP AquaGeo (Aqua Regia ICPOES), 2021-12-16 14:14:57

REPORT A21-20146-1E3

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

Notes:

Values which exceed the upper limit should be assayed for accurate numbers.



LabID: 673

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CERTIFIED BY:

Handwritten signature of Emmanuel Esemé

Emmanuel Esemé, Ph.D.
Quality Control Coordinator

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B412109	0.3	< 0.5	55	850	124	61	5	78	2.20	9	< 10	14	< 0.5	< 2	3.47	32	77	5.25	< 10	< 1	0.26	< 10	1.64
B412110	< 0.2	< 0.5	10	88	< 1	13	56	78	1.43	8	31	134	< 0.5	< 2	> 10.0	3	26	1.24	< 10	< 1	0.07	< 10	1.73
B412111	< 0.2	< 0.5	29	331	12	13	10	56	1.22	8	< 10	17	< 0.5	< 2	1.09	10	12	2.07	< 10	< 1	0.15	24	0.67
B412112	1.4	< 0.5	39	821	1	64	3	132	3.74	40	< 10	14	< 0.5	5	2.27	32	94	6.61	10	1	0.16	17	3.49
B412113	0.5	< 0.5	127	814	12	62	< 2	66	2.58	20	< 10	21	< 0.5	< 2	3.41	34	85	5.42	< 10	< 1	0.20	11	1.67
B412114	0.5	< 0.5	175	888	8	81	2	84	2.97	36	< 10	23	< 0.5	< 2	3.07	46	107	6.15	< 10	< 1	0.26	< 10	1.71
B412115	0.6	< 0.5	134	1050	22	81	< 2	111	3.23	62	< 10	13	< 0.5	< 2	3.35	45	109	5.86	< 10	< 1	0.17	< 10	1.60
B412116	0.6	< 0.5	135	1040	48	85	3	103	3.03	58	< 10	< 10	< 0.5	< 2	3.14	45	97	5.30	< 10	< 1	0.15	10	1.36
B412117	0.7	0.6	155	1120	9	145	< 2	143	4.13	801	< 10	59	< 0.5	2	0.87	72	169	9.02	10	2	0.62	< 10	1.87
B412118	2.8	0.8	161	986	2	92	4	93	2.54	953	< 10	< 10	< 0.5	2	2.66	47	101	6.34	< 10	< 1	0.14	< 10	1.37
B412119	4.2	< 0.5	222	799	2	102	4	74	1.84	2070	< 10	< 10	< 0.5	3	1.81	52	93	6.94	< 10	1	0.09	< 10	1.27
B412120	< 0.2	< 0.5	162	749	< 1	57	9	93	4.04	27	27	18	< 0.5	< 2	3.29	31	21	5.91	< 10	< 1	0.08	< 10	1.72
B412121	1.7	< 0.5	118	660	< 1	100	< 2	54	2.22	61	< 10	< 10	< 0.5	< 2	2.25	50	82	4.71	< 10	< 1	0.07	< 10	1.13
B412122	1.1	< 0.5	60	1030	1	106	< 2	105	3.68	843	< 10	< 10	< 0.5	< 2	1.87	62	147	7.35	< 10	< 1	0.16	< 10	1.88
B412123	45.5	< 0.5	285	607	4	105	276	79	1.75	3760	< 10	< 10	< 0.5	80	1.45	62	72	6.50	< 10	< 1	0.11	< 10	1.10
B412124	4.9	< 0.5	131	767	3	93	6	120	2.16	1230	< 10	< 10	< 0.5	2	1.94	48	99	5.54	< 10	< 1	0.09	< 10	1.37
B412125	4.1	0.9	102	732	21	76	18	83	2.24	860	< 10	< 10	< 0.5	4	2.73	35	91	5.08	< 10	2	0.05	< 10	1.51
B412126	1.5	< 0.5	124	596	2	64	< 2	46	2.19	42	< 10	< 10	< 0.5	< 2	3.33	39	68	3.94	< 10	< 1	0.05	< 10	0.95
B412152	3.6	0.9	39	1010	9	102	11	205	3.72	123	< 10	42	< 0.5	2	3.35	43	114	6.99	< 10	< 1	1.29	< 10	3.00
B412153	4.5	< 0.5	44	943	7	55	22	128	2.93	80	< 10	19	< 0.5	< 2	4.54	24	65	4.63	< 10	< 1	0.88	< 10	2.33
B412154	0.4	< 0.5	7	115	< 1	3	34	8	0.46	40	< 10	< 10	< 0.5	< 2	0.30	< 1	2	0.43	< 10	< 1	0.20	12	0.13
B412155	0.3	< 0.5	4	137	5	2	34	23	0.40	27	< 10	< 10	< 0.5	< 2	0.31	1	2	0.53	< 10	< 1	0.16	12	0.12
B412156	0.4	< 0.5	5	124	3	2	30	24	0.38	39	< 10	< 10	< 0.5	< 2	0.28	2	2	0.52	< 10	< 1	0.17	11	0.12
B412157	0.2	< 0.5	5	214	2	2	16	11	0.53	10	< 10	14	< 0.5	< 2	0.52	2	3	0.69	< 10	< 1	0.21	13	0.26
B412158	0.3	< 0.5	3	168	< 1	< 1	43	14	0.63	19	< 10	12	< 0.5	< 2	0.22	< 1	2	0.50	< 10	< 1	0.30	14	0.17
B412178	3.1	< 0.5	142	955	291	116	9	60	1.21	22	< 10	56	< 0.5	< 2	5.25	30	315	5.39	< 10	< 1	0.19	34	3.59
B412179	4.1	< 0.5	182	497	24	68	7	101	2.25	14	< 10	32	< 0.5	< 2	1.15	48	91	10.0	10	< 1	0.16	15	2.42
B412180	0.3	< 0.5	165	765	< 1	57	9	95	4.11	29	28	18	< 0.5	< 2	3.38	31	21	6.06	< 10	< 1	0.09	< 10	1.77
B412181	2.9	< 0.5	89	821	524	188	11	136	2.74	23	< 10	44	< 0.5	< 2	4.83	48	501	7.20	< 10	< 1	0.15	42	5.13

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B412109	0.128	0.026	0.16	< 2	8	40	0.27	< 20	1	< 2	< 10	97	25	7	11
B412110	0.030	0.017	0.56	< 2	2	328	0.06	< 20	< 1	< 2	< 10	38	< 10	4	8
B412111	0.054	0.035	0.07	< 2	3	31	0.12	< 20	4	< 2	< 10	34	< 10	6	15
B412112	0.028	0.063	0.06	< 2	15	23	0.30	< 20	6	< 2	< 10	155	< 10	7	12
B412113	0.129	0.055	0.17	< 2	13	43	0.31	< 20	7	< 2	< 10	130	< 10	8	8
B412114	0.147	0.038	0.31	4	16	37	0.32	< 20	3	< 2	< 10	154	< 10	9	6
B412115	0.149	0.041	0.21	4	15	35	0.32	< 20	4	< 2	< 10	155	< 10	9	4
B412116	0.155	0.039	0.20	4	14	32	0.27	< 20	8	< 2	< 10	137	< 10	8	4
B412117	0.108	0.047	0.67	3	17	16	0.34	< 20	2	< 2	< 10	241	13	13	9
B412118	0.115	0.037	1.57	8	14	24	0.31	< 20	6	< 2	< 10	146	< 10	9	5
B412119	0.095	0.036	2.83	13	12	21	0.30	< 20	3	< 2	< 10	123	< 10	10	6
B412120	0.118	0.038	0.21	2	5	48	0.41	< 20	8	< 2	< 10	165	11	7	13
B412121	0.101	0.034	0.85	3	13	36	0.33	< 20	5	< 2	< 10	118	< 10	9	5
B412122	0.096	0.044	0.27	4	16	28	0.35	< 20	8	< 2	< 10	214	< 10	11	6
B412123	0.054	0.028	2.54	24	12	21	0.20	< 20	5	< 2	< 10	110	< 10	10	10
B412124	0.080	0.038	1.55	4	15	28	0.30	< 20	1	< 2	< 10	141	< 10	9	7
B412125	0.086	0.032	0.92	6	15	34	0.28	< 20	7	< 2	< 10	133	< 10	9	7
B412126	0.098	0.038	0.22	4	11	51	0.33	< 20	9	< 2	< 10	110	< 10	10	5
B412152	0.127	0.032	2.62	4	14	45	0.28	< 20	< 1	< 2	< 10	170	< 10	6	10
B412153	0.093	0.023	1.85	2	10	32	0.19	< 20	< 1	< 2	11	106	< 10	7	19
B412154	0.040	0.001	0.07	< 2	< 1	4	< 0.01	40	< 1	< 2	19	1	< 10	5	40
B412155	0.049	0.004	0.11	< 2	< 1	4	< 0.01	30	1	< 2	16	2	< 10	5	34
B412156	0.044	0.004	0.12	< 2	< 1	3	< 0.01	20	3	< 2	13	2	< 10	4	30
B412157	0.057	0.004	0.11	< 2	< 1	5	0.02	20	< 1	< 2	< 10	4	< 10	4	31
B412158	0.030	0.004	0.10	< 2	< 1	4	< 0.01	30	< 1	< 2	16	1	< 10	5	31
B412178	0.049	0.120	1.04	< 2	16	245	0.09	< 20	3	< 2	< 10	97	< 10	6	6
B412179	0.060	0.103	2.22	4	23	56	0.15	< 20	< 1	< 2	< 10	284	< 10	6	21
B412180	0.118	0.039	0.21	2	5	48	0.42	< 20	4	< 2	< 10	170	< 10	8	12
B412181	0.032	0.230	1.27	5	20	201	0.09	< 20	< 1	< 2	< 10	148	< 10	7	5

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2		0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas	< 0.2	< 0.5	65	1010	< 1	21	88	116	6.67	220	< 10	792	0.8	< 2	0.12	13	71	5.15	20	< 1	1.08	< 10	0.37
GXR-6 Cert	1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9	0.609
GXR-6 Meas	0.5	< 0.5	68	1070	< 1	22	92	121	6.75	238	< 10	815	0.8	< 2	0.12	13	74	5.62	20	< 1	1.07	< 10	0.37
GXR-6 Cert	1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9	0.609
GXR-6 Meas	0.3	< 0.5	66	1010	< 1	23	97	124	6.52	212	< 10	872	0.8	< 2	0.13	12	73	5.28	10	3	0.93	< 10	0.37
GXR-6 Cert	1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9	0.609
GXR-6 Meas	0.4	< 0.5	70	1060	1	24	97	127	6.96	228	< 10	939	0.8	2	0.14	12	76	5.61	10	2	1.03	< 10	0.40
GXR-6 Cert	1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9	0.609
GXR-6 Meas	0.4	< 0.5	67	1060	2	24	100	130	6.88	241	< 10	1100	0.9	< 2	0.14	14	80	5.66	10	< 1	1.01	< 10	0.40
GXR-6 Cert	1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9	0.609
GXR-6 Meas	0.3	< 0.5	66	1050	1	24	100	126	6.85	228	< 10	1080	0.9	2	0.14	14	79	5.58	10	< 1	0.99	< 10	0.39
GXR-6 Cert	1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9	0.609
GXR-6 Meas	0.3	< 0.5	65	1030	2	24	98	122	6.53	206	< 10	1070	0.8	< 2	0.13	14	77	5.45	10	< 1	0.94	< 10	0.38
GXR-6 Cert	1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9	0.609
GXR-6 Meas	0.3	< 0.5	65	1060	1	24	96	124	7.14	212	< 10	1040	0.9	< 2	0.15	14	79	5.57	10	2	0.99	< 10	0.39
GXR-6 Cert	1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9	0.609
GXR-6 Meas	0.3	< 0.5	64	1040	1	23	96	123	6.98	216	< 10	1000	0.9	< 2	0.15	13	77	5.44	10	< 1	0.97	< 10	0.38
GXR-6 Cert	1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9	0.609
GXR-6 Meas	0.2	< 0.5	63	967	1	22	95	121	6.23	192	< 10	731	0.8	< 2	0.13	13	74	5.00	10	3	0.93	< 10	0.36
GXR-6 Cert	1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9	0.609
GXR-6 Meas	0.4	< 0.5	65	989	2	24	98	122	6.55	209	< 10	765	0.8	< 2	0.13	13	76	5.19	10	1	0.98	< 10	0.38
GXR-6 Cert	1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9	0.609
GXR-6 Meas	0.3	< 0.5	64	964	1	23	95	119	6.45	207	< 10	763	0.8	< 2	0.13	13	74	5.09	20	< 1	1.02	< 10	0.38
GXR-6 Cert	1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9	0.609
OREAS 98 (Aqua Regia) Meas	43.5		> 10000				294	1240						44		111							
OREAS 98 (Aqua Regia) Cert	42.8		147000				343	1300						93		111							
OREAS 98 (Aqua Regia) Meas	42.5		> 10000				289	1220						76		108							
OREAS 98 (Aqua Regia) Cert	42.8		147000				343	1300						93		111							
OREAS 98 (Aqua Regia) Meas	42.3		> 10000				280	1200						41		108							
OREAS 98 (Aqua Regia) Cert	42.8		147000				343	1300						93		111							
OREAS 98 (Aqua Regia) Meas	41.4		> 10000				274	1150						30		110							
OREAS 98 (Aqua Regia) Cert	42.8		147000				343	1300						93		111							
OREAS 98 (Aqua Regia) Meas	41.3		> 10000				275	1170						24		110							
OREAS 98 (Aqua Regia) Cert	42.8		147000				343	1300						93		111							
OREAS 98 (Aqua Regia) Meas	43.8		> 10000				305	1260						50		113							
OREAS 98 (Aqua Regia) Cert	42.8		147000				343	1300						93		111							
OREAS 98 (Aqua Regia) Meas	42.9		> 10000				295	1210						53		109							
OREAS 98 (Aqua Regia) Cert	42.8		147000				343	1300						93		111							
OREAS 98 (Aqua Regia) Meas	45.4		> 10000				307	1250						8		112							
OREAS 98 (Aqua Regia) Cert	42.8		147000				343	1300						90		111							



Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Regia) Cert																							
OREAS 922 (AQUA REGIA) Meas	0.6	< 0.5	2110	743	< 1	33	53	246	2.81	6		76	0.8	8	0.38	19	41	4.82	< 10		0.46	33	1.22
OREAS 922 (AQUA REGIA) Cert	0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5	1.33
OREAS 922 (AQUA REGIA) Meas	0.7	< 0.5	2220	787	< 1	31	60	254	2.83	6		75	0.7	8	0.37	20	41	5.10	< 10		0.44	34	1.28
OREAS 922 (AQUA REGIA) Cert	0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5	1.33
OREAS 922 (AQUA REGIA) Meas	0.9	< 0.5	2150	756	< 1	33	61	263	2.66	7		79	0.6	10	0.36	19	41	4.98	< 10		0.37	33	1.33
OREAS 922 (AQUA REGIA) Cert	0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5	1.33
OREAS 922 (AQUA REGIA) Meas	0.9	< 0.5	2260	792	< 1	37	60	274	2.85	7		87	0.7	8	0.39	19	44	5.26	< 10		0.43	36	1.40
OREAS 922 (AQUA REGIA) Cert	0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5	1.33
OREAS 922 (AQUA REGIA) Meas	0.8	< 0.5	2180	778	< 1	35	64	266	2.79	3		106	0.8	10	0.39	20	46	5.04	< 10		0.43	35	1.30
OREAS 922 (AQUA REGIA) Cert	0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5	1.33
OREAS 922 (AQUA REGIA) Meas	0.8	< 0.5	2150	784	< 1	33	61	265	2.78	7		102	0.7	11	0.39	20	46	5.04	< 10		0.42	35	1.31
OREAS 922 (AQUA REGIA) Cert	0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5	1.33
OREAS 922 (AQUA REGIA) Meas	0.8	< 0.5	2230	786	< 1	35	61	268	2.70	3		96	0.7	8	0.38	19	44	5.13	< 10		0.40	35	1.29
OREAS 922 (AQUA REGIA) Cert	0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5	1.33
OREAS 922 (AQUA REGIA) Meas	1.5	< 0.5	2110	760	< 1	33	66	260	2.84	4		92	0.7	7	0.39	20	44	5.07	< 10		0.40	34	1.27
OREAS 922 (AQUA REGIA) Cert	0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5	1.33
OREAS 922 (AQUA REGIA) Meas	0.9	< 0.5	2240	802	< 1	34	69	270	2.96	3		94	0.7	9	0.40	21	46	5.37	< 10		0.40	35	1.35
OREAS 922 (AQUA REGIA) Cert	0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5	1.33
OREAS 922 (AQUA REGIA) Meas	0.8	< 0.5	2190	738	< 1	34	68	266	2.77	6		69	0.8	8	0.38	20	45	4.95	< 10		0.43	35	1.25
OREAS 922 (AQUA REGIA) Cert	0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5	1.33

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
OREAS 922 (AQUA REGIA) Meas	0.7	< 0.5	2130	739	< 1	37	66	260	2.83	9		70	0.8	11	0.38	20	44	4.90	< 10		0.44	35	1.26
OREAS 922 (AQUA REGIA) Cert	0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5	1.33
OREAS 922 (AQUA REGIA) Meas	0.8	< 0.5	2290	762	< 1	37	64	266	3.03	7		75	0.8	12	0.39	20	47	5.27	< 10		0.48	36	1.36
OREAS 922 (AQUA REGIA) Cert	0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5	1.33
OREAS 923 (AQUA REGIA) Meas	1.7	< 0.5	4180	886	< 1	32	77	330	2.83	7		65	0.7	16	0.38	22	40	5.74	< 10		0.39	32	1.31
OREAS 923 (AQUA REGIA) Cert	1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0	1.43
OREAS 923 (AQUA REGIA) Meas	2.0	0.6	4660	889	< 1	31	82	331	2.78	6		61	0.6	22	0.37	22	39	5.99	< 10		0.36	31	1.33
OREAS 923 (AQUA REGIA) Cert	1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0	1.43
OREAS 923 (AQUA REGIA) Meas	1.6	< 0.5	4180	858	< 1	33	85	335	2.68	7		65	0.6	25	0.36	21	39	5.70	< 10		0.32	30	1.42
OREAS 923 (AQUA REGIA) Cert	1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0	1.43
OREAS 923 (AQUA REGIA) Meas	1.7	< 0.5	4410	884	< 1	33	84	343	2.85	8		70	0.6	28	0.38	21	41	6.00	< 10		0.36	33	1.44
OREAS 923 (AQUA REGIA) Cert	1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0	1.43
OREAS 923 (AQUA REGIA) Meas	1.6	< 0.5	4180	859	< 1	33	83	339	2.77	6		84	0.7	15	0.39	22	43	5.82	< 10		0.36	32	1.36
OREAS 923 (AQUA REGIA) Cert	1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0	1.43
OREAS 923 (AQUA REGIA) Meas	2.0	< 0.5	4190	860	< 1	32	87	345	2.77	8		85	0.7	15	0.39	22	42	5.81	< 10		0.36	32	1.37
OREAS 923 (AQUA REGIA) Cert	1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0	1.43
OREAS 923 (AQUA REGIA) Meas	1.6	< 0.5	4320	894	< 1	31	92	344	2.74	4		78	0.7	23	0.38	22	42	5.91	< 10		0.34	32	1.38
OREAS 923 (AQUA REGIA) Cert	1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0	1.43
OREAS 923 (AQUA REGIA) Meas	2.3	< 0.5	4260	888	< 1	32	86	342	2.95	6		77	0.6	21	0.40	24	42	6.05	< 10		0.35	31	1.40
OREAS 923 (AQUA REGIA) Cert	1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0	1.43
OREAS 923 (AQUA REGIA) Meas	1.7	< 0.5	4320	905	< 1	32	85	350	2.97	4		76	0.6	22	0.40	22	42	6.18	< 10		0.34	32	1.42

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Meas																							
OREAS 923 (AQUA REGIA) Cert	1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0	1.43
OREAS 923 (AQUA REGIA) Meas	2.7	< 0.5	4440	866	< 1	34	83	348	2.85	8		56	0.7	22	0.39	23	43	5.84	< 10		0.37	34	1.37
OREAS 923 (AQUA REGIA) Cert	1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0	1.43
OREAS 923 (AQUA REGIA) Meas	1.7	< 0.5	4370	864	< 1	34	86	348	2.89	11		57	0.7	14	0.39	22	43	5.76	< 10		0.38	33	1.37
OREAS 923 (AQUA REGIA) Cert	1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0	1.43
OREAS 923 (AQUA REGIA) Meas	2.0	< 0.5	4510	863	< 1	35	86	346	3.01	8		60	0.7	24	0.39	22	43	5.95	< 10		0.41	34	1.42
OREAS 923 (AQUA REGIA) Cert	1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0	1.43
Oreas 96 (Aqua Regia) Meas	10.6		> 10000				89	418						71		46							
Oreas 96 (Aqua Regia) Cert	11.50		39100.00				100	448						27.9		49.2							
Oreas 96 (Aqua Regia) Meas	10.6		> 10000				90	425						64		48							
Oreas 96 (Aqua Regia) Cert	11.50		39100.00				100	448						27.9		49.2							
Oreas 96 (Aqua Regia) Meas	11.4		> 10000				94	422						21		47							
Oreas 96 (Aqua Regia) Cert	11.50		39100.00				100	448						27.9		49.2							
Oreas 96 (Aqua Regia) Meas	11.2		> 10000				93	416						6		46							
Oreas 96 (Aqua Regia) Cert	11.50		39100.00				100	448						27.9		49.2							
Oreas 96 (Aqua Regia) Meas	11.4		> 10000				92	417						31		48							
Oreas 96 (Aqua Regia) Cert	11.50		39100.00				100	448						27.9		49.2							
Oreas 96 (Aqua Regia) Meas	11.0		> 10000				89	411						14		47							
Oreas 96 (Aqua Regia) Cert	11.50		39100.00				100	448						27.9		49.2							
Oreas 96 (Aqua Regia) Meas	11.2		> 10000				89	417						7		47							
Oreas 96 (Aqua Regia) Cert	11.50		39100.00				100	448						27.9		49.2							
Oreas 96 (Aqua Regia) Meas	11.4		> 10000				95	441						30		49							
Oreas 96 (Aqua Regia) Cert	11.50		39100.00				100	448						27.9		49.2							
Oreas 96 (Aqua Regia) Meas	11.5		> 10000				94	432						24		46							
Oreas 96 (Aqua Regia) Cert	11.50		39100.00				100	448						27.9		49.2							
Oreas 96 (Aqua Regia) Meas	11.8		> 10000				96	432						24		46							

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Regia) Meas																							
Oreas 96 (Aqua Regia) Cert	11.50		39100.00				100	448						27.9		49.2							
Oreas 621 (Aqua Regia) Meas	63.4	269	3370	533	13	22	> 5000	> 10000	1.66	79			0.6	5	1.55	29	26	3.23	< 10	4	0.35	19	0.40
Oreas 621 (Aqua Regia) Cert	68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4	0.436
Oreas 621 (Aqua Regia) Meas	66.1	293	3600	558	15	31	> 5000	> 10000	1.66	80			0.6	3	1.60	31	38	3.46	< 10	4	0.34	19	0.42
Oreas 621 (Aqua Regia) Cert	68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4	0.436
Oreas 621 (Aqua Regia) Meas	65.4	278	3320	513	14	23	> 5000	> 10000	1.53	72			< 0.5	5	1.52	31	28	3.07	< 10	4	0.29	17	0.42
Oreas 621 (Aqua Regia) Cert	68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4	0.436
Oreas 621 (Aqua Regia) Meas	72.0	293	3690	564	15	27	> 5000	> 10000	1.75	78			0.6	8	1.67	32	34	3.45	< 10	4	0.34	19	0.46
Oreas 621 (Aqua Regia) Cert	68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4	0.436
Oreas 621 (Aqua Regia) Meas	73.2	283	3490	533	14	26	> 5000	> 10000	1.72	75			0.6	< 2	1.60	31	33	3.26	< 10	4	0.32	19	0.43
Oreas 621 (Aqua Regia) Cert	68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4	0.436
Oreas 621 (Aqua Regia) Meas	70.5	277	3310	519	14	24	> 5000	> 10000	1.66	74			0.6	5	1.57	30	30	3.15	< 10	3	0.32	18	0.42
Oreas 621 (Aqua Regia) Cert	68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4	0.436
Oreas 621 (Aqua Regia) Meas	69.5	270	3310	510	13	24	> 5000	> 10000	1.61	75			0.6	6	1.51	29	28	3.12	< 10	3	0.30	18	0.41
Oreas 621 (Aqua Regia) Cert	68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4	0.436
Oreas 621 (Aqua Regia) Meas	73.5	287	3630	546	14	26	> 5000	> 10000	1.81	77			0.6	5	1.67	31	33	3.46	< 10	3	0.33	19	0.44
Oreas 621 (Aqua Regia) Cert	68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4	0.436
Oreas 621 (Aqua Regia) Meas	73.0	285	3610	549	13	32	> 5000	> 10000	1.77	78			0.6	4	1.66	31	47	3.45	< 10	3	0.32	18	0.44
Oreas 621 (Aqua Regia) Cert	68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4	0.436
Oreas 621 (Aqua Regia) Meas	65.3	282	3480	518	12	26	> 5000	> 10000	1.64	75			0.6	6	1.40	30	30	3.26	< 10	6	0.31	17	0.40
Oreas 621 (Aqua Regia) Cert	68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4	0.436
Oreas 621 (Aqua Regia) Meas	65.8	265	3280	493	13	23	> 5000	> 10000	1.60	74			0.6	2	1.44	28	28	3.05	< 10	5	0.32	18	0.38
Oreas 621 (Aqua Regia) Cert	68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4	0.436
Oreas 621 (Aqua Regia) Meas	68.5	279	3360	498	13	24	> 5000	> 10000	1.67	77			0.6	4	1.46	28	29	3.15	< 10	4	0.33	19	0.41
Oreas 621 (Aqua Regia) Cert	68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4	0.436
OREAS 45f (Aqua Regia) Meas			337	176	< 1	229	8	25	7.05			140	1.0	< 2	0.06	40	335	13.7	20	< 1	0.11	< 10	0.16
OREAS 45f (Aqua Regia) Cert			336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750	39.2	341	13.7	20.3	0.0310	0.0820	10.7	0.152
OREAS 45f (Aqua Regia) Meas			351	176	2	227	8	26	6.75			147	1.0	4	0.06	40	343	14.9	20	1	0.11	< 10	0.17
OREAS 45f (Aqua Regia) Cert			336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750	39.2	341	13.7	20.3	0.0310	0.0820	10.7	0.152

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Regia) Cert																							
OREAS 45f (Aqua Regia) Meas			324	158	< 1	206	10	25	6.00			146	0.9	< 2	0.06	36	316	12.9	20	< 1	0.08	< 10	0.16
OREAS 45f (Aqua Regia) Cert			336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750	39.2	341	13.7	20.3	0.0310	0.0820	10.7	0.152
OREAS 45f (Aqua Regia) Meas			351	170	< 1	225	5	27	6.75			155	0.9	2	0.07	38	335	14.0	20	< 1	0.09	< 10	0.17
OREAS 45f (Aqua Regia) Cert			336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750	39.2	341	13.7	20.3	0.0310	0.0820	10.7	0.152
OREAS 45f (Aqua Regia) Meas			359	179	< 1	236	10	29	7.32			188	1.1	2	0.07	41	365	14.2	20	1	0.10	< 10	0.18
OREAS 45f (Aqua Regia) Cert			336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750	39.2	341	13.7	20.3	0.0310	0.0820	10.7	0.152
OREAS 45f (Aqua Regia) Meas			347	172	< 1	233	8	31	7.11			184	1.0	2	0.07	41	360	13.8	20	2	0.09	< 10	0.18
OREAS 45f (Aqua Regia) Cert			336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750	39.2	341	13.7	20.3	0.0310	0.0820	10.7	0.152
OREAS 45f (Aqua Regia) Meas			360	170	< 1	231	12	27	6.81			182	1.0	< 2	0.07	41	356	14.1	20	< 1	0.09	< 10	0.17
OREAS 45f (Aqua Regia) Cert			336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750	39.2	341	13.7	20.3	0.0310	0.0820	10.7	0.152
OREAS 45f (Aqua Regia) Meas			332	172	< 1	224	7	25	7.19			175	1.0	2	0.07	40	350	13.4	20	< 1	0.10	< 10	0.17
OREAS 45f (Aqua Regia) Cert			336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750	39.2	341	13.7	20.3	0.0310	0.0820	10.7	0.152
OREAS 45f (Aqua Regia) Meas			336	170	< 1	221	7	25	6.77			175	1.0	4	0.07	40	354	13.4	20	< 1	0.09	< 10	0.17
OREAS 45f (Aqua Regia) Cert			336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750	39.2	341	13.7	20.3	0.0310	0.0820	10.7	0.152
B412113 Orig	0.5	< 0.5	122	800	12	59	2	65	2.53	20	< 10	20	< 0.5	< 2	3.37	33	84	5.30	< 10	< 1	0.20	11	1.63
B412113 Dup	0.5	< 0.5	131	829	13	65	< 2	68	2.63	19	< 10	21	< 0.5	< 2	3.45	34	87	5.54	< 10	< 1	0.20	11	1.72
B412123 Orig	45.5	< 0.5	285	607	4	105	276	79	1.75	3760	< 10	< 10	< 0.5	80	1.45	62	72	6.50	< 10	< 1	0.11	< 10	1.10
B412123 Split PREP DUP	43.1	< 0.5	285	603	3	108	277	78	1.74	3650	< 10	< 10	< 0.5	81	1.44	63	71	6.44	< 10	< 1	0.11	< 10	1.10
B412126 Orig	1.4	< 0.5	123	596	1	63	< 2	46	2.19	42	< 10	< 10	< 0.5	< 2	3.34	38	68	3.92	< 10	< 1	0.05	< 10	0.94
B412126 Dup	1.5	< 0.5	126	597	2	64	< 2	46	2.19	42	< 10	< 10	< 0.5	3	3.33	40	68	3.97	< 10	< 1	0.05	< 10	0.95
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas	0.071	0.032	0.01	< 2	16	27		< 20	< 1	< 2	< 10	167	< 10	4	7
GXR-6 Cert	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
GXR-6 Meas	0.076	0.034	0.01	2	16	27		< 20	2	< 2	< 10	169	< 10	4	8
GXR-6 Cert	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
GXR-6 Meas	0.105	0.032	0.01	3	17	31		< 20	< 1	< 2	< 10	152	< 10	4	9
GXR-6 Cert	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
GXR-6 Meas	0.113	0.034	0.01	3	18	33		< 20	1	< 2	< 10	161	< 10	4	10
GXR-6 Cert	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
GXR-6 Meas	0.101	0.035	0.02	4	19	33		< 20	1	< 2	< 10	163	< 10	4	11
GXR-6 Cert	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
GXR-6 Meas	0.095	0.034	0.01	4	18	32		< 20	< 1	< 2	< 10	161	< 10	4	8
GXR-6 Cert	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
GXR-6 Meas	0.101	0.032	0.01	2	17	31		< 20	< 1	< 2	< 10	153	< 10	4	6
GXR-6 Cert	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
GXR-6 Meas	0.110	0.033	0.01	4	20	33		< 20	< 1	< 2	< 10	162	< 10	4	9
GXR-6 Cert	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
GXR-6 Meas	0.108	0.033	0.01	3	20	33		< 20	< 1	< 2	< 10	158	< 10	4	10
GXR-6 Cert	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
GXR-6 Meas	0.071	0.031	0.01	4	14	31		< 20	< 1	< 2	< 10	149	< 10	3	5
GXR-6 Cert	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
GXR-6 Meas	0.075	0.033	0.01	4	14	31		< 20	< 1	< 2	< 10	155	< 10	3	6
GXR-6 Cert	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
GXR-6 Meas	0.078	0.032	0.01	4	14	31		< 20	< 1	< 2	< 10	152	< 10	3	7
GXR-6 Cert	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
OREAS 98 (Aqua Regia) Meas				21											
OREAS 98 (Aqua Regia) Cert				15											
OREAS 98 (Aqua Regia) Meas				19											
OREAS 98 (Aqua Regia) Cert				15											
OREAS 98 (Aqua Regia) Meas				17											
OREAS 98 (Aqua Regia) Cert				15											
OREAS 98 (Aqua Regia) Meas				21											
OREAS 98 (Aqua Regia) Cert				15											
OREAS 98 (Aqua Regia) Meas				18											
OREAS 98 (Aqua Regia) Cert				15											
OREAS 98 (Aqua Regia) Meas				19											
OREAS 98 (Aqua Regia) Cert				15											
OREAS 98 (Aqua Regia) Meas				19											
OREAS 98 (Aqua Regia) Cert				15											
OREAS 98 (Aqua Regia) Meas				22											
OREAS 98 (Aqua Regia) Cert				15											

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Regia) Cert															
OREAS 922 (AQUA REGIA) Meas	0.021	0.058	0.33	< 2	3	16		< 20		< 2	< 10	35	< 10	19	3
OREAS 922 (AQUA REGIA) Cert	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas	0.022	0.063	0.36	< 2	3	16		< 20		< 2	< 10	34	< 10	19	4
OREAS 922 (AQUA REGIA) Cert	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas	0.024	0.061	0.36	3	3	16		< 20		< 2	< 10	31	< 10	15	9
OREAS 922 (AQUA REGIA) Cert	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas	0.026	0.065	0.38	3	4	17		< 20		< 2	< 10	33	< 10	17	11
OREAS 922 (AQUA REGIA) Cert	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas	0.024	0.063	0.38	2	4	16		< 20		< 2	< 10	34	< 10	16	20
OREAS 922 (AQUA REGIA) Cert	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas	0.023	0.064	0.38	3	4	17		< 20		< 2	< 10	33	< 10	16	19
OREAS 922 (AQUA REGIA) Cert	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas	0.023	0.063	0.39	< 2	4	16		< 20		< 2	< 10	33	< 10	15	18
OREAS 922 (AQUA REGIA) Cert	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas	0.024	0.062	0.36	3	4	16		< 20		< 2	< 10	33	< 10	16	21
OREAS 922 (AQUA REGIA) Cert	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas	0.027	0.066	0.38	2	4	17		< 20		< 2	< 10	34	< 10	16	30
OREAS 922 (AQUA REGIA) Cert	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas	0.020	0.061	0.37	< 2	3	17		< 20		< 2	< 10	34	< 10	15	12
OREAS 922 (AQUA REGIA) Cert	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3



Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
OREAS 922 (AQUA REGIA) Meas	0.020	0.062	0.37	< 2	3	16		< 20		< 2	< 10	34	< 10	16	10
OREAS 922 (AQUA REGIA) Cert	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas	0.022	0.066	0.39	2	4	17		< 20		< 2	< 10	35	< 10	16	17
OREAS 922 (AQUA REGIA) Cert	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 923 (AQUA REGIA) Meas		0.058	0.64	2	3	14		< 20		< 2	< 10	34	< 10	17	4
OREAS 923 (AQUA REGIA) Cert		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 923 (AQUA REGIA) Meas		0.060	0.70	< 2	3	14		< 20		< 2	< 10	33	< 10	16	5
OREAS 923 (AQUA REGIA) Cert		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 923 (AQUA REGIA) Meas		0.059	0.64	3	3	14		< 20		< 2	< 10	31	< 10	13	16
OREAS 923 (AQUA REGIA) Cert		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 923 (AQUA REGIA) Meas		0.060	0.67	2	4	15		< 20		< 2	< 10	33	< 10	15	15
OREAS 923 (AQUA REGIA) Cert		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 923 (AQUA REGIA) Meas		0.059	0.66	3	4	15		< 20		< 2	< 10	33	< 10	15	22
OREAS 923 (AQUA REGIA) Cert		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 923 (AQUA REGIA) Meas		0.060	0.66	2	4	15		< 20		< 2	< 10	33	< 10	15	25
OREAS 923 (AQUA REGIA) Cert		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 923 (AQUA REGIA) Meas		0.061	0.68	3	3	15		< 20		< 2	< 10	32	< 10	14	25
OREAS 923 (AQUA REGIA) Cert		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 923 (AQUA REGIA) Meas		0.061	0.67	3	4	15		< 20		< 2	< 10	33	< 10	15	30
OREAS 923 (AQUA REGIA) Cert		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 923 (AQUA REGIA)		0.062	0.68	4	3	15		< 20		< 2	< 10	33	< 10	15	34

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Meas															
OREAS 923 (AQUA REGIA) Cert		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 923 (AQUA REGIA) Meas		0.061	0.69	< 2	3	15		< 20		< 2	< 10	34	< 10	15	22
OREAS 923 (AQUA REGIA) Cert		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 923 (AQUA REGIA) Meas		0.061	0.68	3	3	15		< 20		< 2	< 10	34	< 10	15	23
OREAS 923 (AQUA REGIA) Cert		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 923 (AQUA REGIA) Meas		0.063	0.70	< 2	3	15		< 20		< 2	< 10	34	< 10	15	25
OREAS 923 (AQUA REGIA) Cert		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
Oreas 96 (Aqua Regia) Meas			3.63	5											
Oreas 96 (Aqua Regia) Cert			4.38	4.53											
Oreas 96 (Aqua Regia) Meas			3.71	5											
Oreas 96 (Aqua Regia) Cert			4.38	4.53											
Oreas 96 (Aqua Regia) Meas			4.10	7											
Oreas 96 (Aqua Regia) Cert			4.38	4.53											
Oreas 96 (Aqua Regia) Meas			3.99	6											
Oreas 96 (Aqua Regia) Cert			4.38	4.53											
Oreas 96 (Aqua Regia) Meas			4.02	5											
Oreas 96 (Aqua Regia) Cert			4.38	4.53											
Oreas 96 (Aqua Regia) Meas			3.94	6											
Oreas 96 (Aqua Regia) Cert			4.38	4.53											
Oreas 96 (Aqua Regia) Meas			3.97	5											
Oreas 96 (Aqua Regia) Cert			4.38	4.53											
Oreas 96 (Aqua Regia) Meas			4.19	6											
Oreas 96 (Aqua Regia) Cert			4.38	4.53											
Oreas 96 (Aqua Regia) Meas			4.05	6											
Oreas 96 (Aqua Regia) Cert			4.38	4.53											
Oreas 96 (Aqua Regia) Meas			4.12	6											

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Regia) Meas															
Oreas 96 (Aqua Regia) Cert			4.38	4.53											
Oreas 621 (Aqua Regia) Meas	0.150	0.032	4.09	95	2	18		< 20		< 2	< 10	12	< 10	8	61
Oreas 621 (Aqua Regia) Cert	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
Oreas 621 (Aqua Regia) Meas	0.153	0.033	4.52	96	2	18		< 20		< 2	< 10	12	< 10	8	55
Oreas 621 (Aqua Regia) Cert	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
Oreas 621 (Aqua Regia) Meas	0.144	0.032	4.33	95	2	17		< 20		< 2	< 10	11	< 10	6	61
Oreas 621 (Aqua Regia) Cert	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
Oreas 621 (Aqua Regia) Meas	0.171	0.034	4.76	105	2	19		< 20		< 2	< 10	12	< 10	6	50
Oreas 621 (Aqua Regia) Cert	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
Oreas 621 (Aqua Regia) Meas	0.157	0.034	4.58	109	2	19		< 20		< 2	< 10	12	< 10	6	71
Oreas 621 (Aqua Regia) Cert	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
Oreas 621 (Aqua Regia) Meas	0.152	0.033	4.55	110	2	19		< 20		< 2	< 10	12	< 10	6	70
Oreas 621 (Aqua Regia) Cert	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
Oreas 621 (Aqua Regia) Meas	0.144	0.033	4.46	110	2	18		< 20		< 2	< 10	11	< 10	6	67
Oreas 621 (Aqua Regia) Cert	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
Oreas 621 (Aqua Regia) Meas	0.162	0.035	4.59	115	2	20		< 20		< 2	< 10	12	< 10	6	79
Oreas 621 (Aqua Regia) Cert	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
Oreas 621 (Aqua Regia) Meas	0.157	0.035	4.52	112	2	19		< 20		< 2	< 10	12	< 10	6	76
Oreas 621 (Aqua Regia) Cert	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
Oreas 621 (Aqua Regia) Meas	0.136	0.032	4.12	105	2	17		< 20		2	< 10	12	< 10	6	64
Oreas 621 (Aqua Regia) Cert	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
Oreas 621 (Aqua Regia) Meas	0.138	0.030	4.16	105	2	18		< 20		2	< 10	11	< 10	6	62
Oreas 621 (Aqua Regia) Cert	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
Oreas 621 (Aqua Regia) Meas	0.144	0.032	4.35	108	2	19		< 20		6	< 10	11	< 10	6	58
Oreas 621 (Aqua Regia) Cert	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
OREAS 45f (Aqua Regia) Meas	0.037	0.021	0.02		21	12	0.13	< 20		< 2	< 10	206		4	15
OREAS 45f (Aqua Regia) Cert	0.0320	0.0220	0.0270		31.4	13.2	0.0970	7.67		0.120	1.09	217		6.74	30.0
OREAS 45f (Aqua Regia) Meas	0.039	0.022	0.02		21	12	0.12	< 20		< 2	< 10	210		4	16
OREAS 45f (Aqua Regia) Cert	0.0320	0.0220	0.0270		31.4	13.2	0.0970	7.67		0.120	1.09	217		6.74	30.0

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Regia) Cert															
OREAS 45f (Aqua Regia) Meas	0.039	0.019	0.02		25	13	0.11	< 20		< 2	< 10	184		4	17
OREAS 45f (Aqua Regia) Cert	0.0320	0.0220	0.0270		31.4	13.2	0.0970	7.67		0.120	1.09	217		6.74	30.0
OREAS 45f (Aqua Regia) Meas	0.042	0.020	0.02		26	14	0.12	< 20		< 2	< 10	194		4	20
OREAS 45f (Aqua Regia) Cert	0.0320	0.0220	0.0270		31.4	13.2	0.0970	7.67		0.120	1.09	217		6.74	30.0
OREAS 45f (Aqua Regia) Meas	0.039	0.022	0.03		25	15	0.15	< 20		< 2	< 10	202		4	20
OREAS 45f (Aqua Regia) Cert	0.0320	0.0220	0.0270		31.4	13.2	0.0970	7.67		0.120	1.09	217		6.74	30.0
OREAS 45f (Aqua Regia) Meas	0.038	0.021	0.02		24	14	0.13	< 20		< 2	< 10	197		4	15
OREAS 45f (Aqua Regia) Cert	0.0320	0.0220	0.0270		31.4	13.2	0.0970	7.67		0.120	1.09	217		6.74	30.0
OREAS 45f (Aqua Regia) Meas	0.038	0.020	0.02		24	13	0.11	< 20		< 2	< 10	198		4	13
OREAS 45f (Aqua Regia) Cert	0.0320	0.0220	0.0270		31.4	13.2	0.0970	7.67		0.120	1.09	217		6.74	30.0
OREAS 45f (Aqua Regia) Meas	0.043	0.020	0.02		28	15	0.12	< 20		< 2	< 10	197		5	17
OREAS 45f (Aqua Regia) Cert	0.0320	0.0220	0.0270		31.4	13.2	0.0970	7.67		0.120	1.09	217		6.74	30.0
OREAS 45f (Aqua Regia) Meas	0.042	0.020	0.02		28	14	0.10	< 20		< 2	< 10	199		5	19
OREAS 45f (Aqua Regia) Cert	0.0320	0.0220	0.0270		31.4	13.2	0.0970	7.67		0.120	1.09	217		6.74	30.0
B412113 Orig	0.130	0.053	0.16	< 2	12	44	0.32	< 20	8	< 2	< 10	128	< 10	8	8
B412113 Dup	0.128	0.056	0.18	< 2	13	43	0.31	< 20	6	< 2	< 10	132	< 10	8	7
B412123 Orig	0.054	0.028	2.54	24	12	21	0.20	< 20	5	< 2	< 10	110	< 10	10	10
B412123 Split PREP DUP	0.051	0.028	2.51	25	12	21	0.19	< 20	2	< 2	< 10	109	< 10	10	10
B412126 Orig	0.097	0.038	0.22	5	11	51	0.33	< 20	8	< 2	< 10	110	< 10	10	5
B412126 Dup	0.099	0.038	0.21	3	11	51	0.34	< 20	10	< 2	< 10	110	< 10	10	5
Method Blank	0.007	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.006	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.006	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	< 0.001	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.006	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.007	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.005	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.005	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.006	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.006	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.006	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.006	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.006	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.006	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.006	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.006	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.007	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.006	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.007	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.008	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.006	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Method Blank	0.007	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.006	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.009	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1



Report No.: A21-21114-1E3
Report Date: 22-Feb-22
Date Submitted: 09-Nov-21
Your Reference: LINGMAN LAKE FALL 2021

SIGNATURE RESOURCES LTD
235 Eleventh Line
Collingwood ON L9Y5G6
Canada

ATTN: P.GEO. Walter Hanych

CERTIFICATE OF ANALYSIS

87 Core samples were submitted for analysis.

Table with 2 columns: Analytical package(s) requested and Testing Date. Row 1: 1E3-Tbay, QOP AquaGeo (Aqua Regia ICPOES), 2022-02-10 21:11:30

REPORT A21-21114-1E3

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

Notes:

Values which exceed the upper limit should be assayed for accurate numbers.



LabID: 673

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CERTIFIED BY:

Handwritten signature of Emmanuel Esemé

Emmanuel Esemé, Ph.D.
Quality Control Coordinator

## Results

## Activation Laboratories Ltd.

## Report: A21-21114

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B412184	0.4	< 0.5	40	659	2	64	6	56	2.36	2	< 10	119	< 0.5	< 2	1.71	29	79	4.64	< 10	< 1	1.04	< 10	1.90
B412185	0.2	< 0.5	11	374	7	22	25	31	1.94	3	< 10	57	< 0.5	< 2	0.60	10	32	2.14	< 10	< 1	1.01	13	1.23
B412186	1.4	< 0.5	82	629	14	98	8	64	2.04	28	< 10	26	< 0.5	< 2	1.16	58	90	6.54	< 10	< 1	0.83	< 10	1.48
B412187	1.3	< 0.5	41	522	2	61	10	66	1.99	16	< 10	32	< 0.5	< 2	0.87	26	61	4.12	< 10	< 1	0.88	< 10	1.46
B412188	< 0.2	< 0.5	1	241	< 1	4	27	28	1.74	8	< 10	17	0.6	< 2	0.64	3	3	0.84	< 10	< 1	0.61	11	0.67
B412189	0.3	< 0.5	1	212	< 1	2	21	30	1.72	269	11	14	0.6	< 2	0.63	3	2	1.15	< 10	< 1	0.65	13	0.89
B412190	< 0.2	< 0.5	12	94	< 1	11	57	79	1.53	9	34	91	< 0.5	< 2	> 10.0	2	27	1.44	< 10	< 1	0.06	< 10	1.99
B412191	1.2	< 0.5	6	174	1	2	30	46	1.18	529	< 10	11	< 0.5	< 2	0.40	3	2	0.79	< 10	< 1	0.51	14	0.55
B412192	1.5	< 0.5	6	192	< 1	8	40	32	1.42	4530	< 10	16	< 0.5	< 2	0.41	8	2	2.15	< 10	< 1	0.55	13	0.71
B412193	0.3	< 0.5	25	613	10	84	6	114	5.33	3310	< 10	66	< 0.5	< 2	1.43	41	108	7.12	10	< 1	1.99	< 10	5.18
B412194	1.4	< 0.5	108	583	6	89	7	74	4.21	339	< 10	53	< 0.5	< 2	1.87	43	101	6.52	< 10	< 1	1.32	< 10	3.08
B412195	0.9	< 0.5	59	417	2	30	16	32	2.73	60	< 10	30	< 0.5	< 2	1.33	17	39	2.77	< 10	< 1	0.99	< 10	1.49
B412196	0.9	< 0.5	31	363	1	12	14	19	2.56	42	< 10	23	0.5	< 2	0.98	8	18	1.54	< 10	< 1	0.81	11	1.25
B412197	0.3	< 0.5	41	605	1	34	19	49	3.14	18	< 10	36	< 0.5	< 2	1.95	20	56	3.71	< 10	< 1	1.60	< 10	1.78
B412198	0.2	< 0.5	19	421	1	19	18	32	1.44	29	< 10	26	< 0.5	< 2	1.41	12	36	2.51	< 10	< 1	0.85	14	0.92
B412199	1.0	< 0.5	32	883	< 1	66	31	79	2.38	22	< 10	98	< 0.5	< 2	1.86	23	75	4.74	< 10	< 1	1.60	< 10	2.15
B412200	0.4	< 0.5	156	697	1	80	5	62	3.56	13	18	19	< 0.5	< 2	3.13	30	113	5.39	< 10	< 1	0.08	< 10	2.14
B412201	4.5	< 0.5	162	996	3	71	20	88	1.27	41	< 10	26	< 0.5	< 2	4.36	40	107	6.42	< 10	< 1	0.34	< 10	2.20
B412202	6.1	0.5	483	564	8	289	22	169	1.40	167	< 10	< 10	< 0.5	< 2	1.86	70	201	6.05	< 10	< 1	0.02	14	1.46
B412203	11.3	0.6	928	332	3	270	17	233	1.46	22	< 10	< 10	< 0.5	< 2	1.00	101	113	6.54	< 10	< 1	0.02	15	1.38
B412204	9.7	0.6	808	1140	42	135	64	154	1.58	< 2	< 10	28	< 0.5	3	5.23	77	26	10.00	< 10	< 1	0.19	< 10	2.40
B412205	3.9	0.9	248	1020	134	31	27	212	1.35	2	< 10	54	< 0.5	< 2	3.60	38	18	8.60	< 10	< 1	0.28	< 10	1.73
B412206	4.1	< 0.5	372	1100	25	50	15	202	2.20	< 2	< 10	40	< 0.5	< 2	3.23	114	24	12.0	10	< 1	0.19	< 10	2.55
B412207	8.1	< 0.5	1030	1120	30	68	12	154	1.98	4	< 10	34	< 0.5	< 2	3.09	95	22	11.3	< 10	< 1	0.23	< 10	2.48
B412208	1.0	< 0.5	14	1050	< 1	195	4	92	1.59	74	< 10	110	< 0.5	4	6.47	30	627	4.96	< 10	< 1	0.24	62	4.76
B412209	0.4	0.6	9	1160	< 1	224	5	107	1.17	37	< 10	138	< 0.5	5	6.71	29	532	4.90	< 10	< 1	0.29	41	4.80
B412210	< 0.2	< 0.5	12	93	< 1	12	55	77	1.46	9	32	65	< 0.5	< 2	> 10.0	2	26	1.36	< 10	< 1	0.05	< 10	1.90
B412211	2.8	< 0.5	118	1630	1	31	8	66	1.06	7	< 10	35	< 0.5	3	> 10.0	19	47	5.48	< 10	< 1	0.12	< 10	5.31
B412212	3.3	< 0.5	127	1450	< 1	58	13	72	1.14	9	< 10	60	< 0.5	3	> 10.0	25	141	5.71	< 10	< 1	0.16	12	5.01
B412213	1.2	< 0.5	13	2240	< 1	6	11	30	0.26	28	< 10	< 10	< 0.5	4	> 10.0	5	2	4.57	< 10	< 1	0.01	< 10	8.93
B412214	0.3	< 0.5	2	1740	< 1	1	7	20	0.06	10	< 10	< 10	< 0.5	< 2	> 10.0	2	< 1	2.60	< 10	< 1	< 0.01	< 10	10.4
B412215	5.6	< 0.5	246	1570	13	34	19	156	2.76	6	< 10	11	< 0.5	2	> 10.0	38	17	9.92	< 10	< 1	0.08	< 10	8.55
B412216	12.1	0.5	327	1030	13	34	34	148	2.48	99	< 10	55	< 0.5	5	6.45	59	17	8.45	< 10	< 1	0.32	18	4.42
B412217	27.5	< 0.5	156	275	6	95	106	126	1.57	> 10000	< 10	43	< 0.5	< 2	1.10	28	240	3.15	< 10	< 1	0.23	< 10	1.42
B412218	7.2	< 0.5	166	675	91	37	10	75	2.74	> 10000	13	28	< 0.5	< 2	2.14	35	34	6.24	< 10	< 1	0.88	< 10	2.06
B412219	2.9	< 0.5	41	561	92	55	3	68	2.35	26	< 10	67	< 0.5	< 2	1.40	20	86	4.65	< 10	< 1	0.43	< 10	2.53
B412220	1.5	< 0.5	128	624	4	123	17	61	2.84	40	26	37	< 0.5	< 2	2.87	28	329	4.71	< 10	< 1	0.16	< 10	2.72
B412221	0.2	< 0.5	6	264	1	6	7	33	0.92	9	< 10	74	< 0.5	< 2	1.29	6	6	1.57	< 10	< 1	0.41	38	0.51
B412222	7.0	< 0.5	915	301	131	77	5	59	0.88	7	< 10	33	< 0.5	< 2	1.22	39	26	4.21	< 10	< 1	0.13	14	0.83
B412223	25.5	0.7	3280	551	128	267	12	139	1.31	4	< 10	46	< 0.5	< 2	2.71	87	62	6.35	< 10	< 1	0.33	15	1.37
B412224	2.2	1.2	270	521	16	40	42	202	1.47	3510	< 10	18	< 0.5	< 2	0.49	52	11	5.26	< 10	< 1	0.21	10	1.20
B412225	14.7	2.5	334	650	66	101	53	416	1.72	213	< 10	< 10	< 0.5	< 2	0.45	40	102	6.71	< 10	< 1	0.12	< 10	1.57
B412226	1.6	< 0.5	1530	633	3	25	3	71	1.89	25	< 10	11	< 0.5	< 2	2.47	87	2	6.60	< 10	< 1	0.11	< 10	0.92
B412227	< 0.2	< 0.5	88	766	6	12	< 2	67	2.01	29	< 10	< 10	< 0.5	< 2	2.76	36	2	6.98	< 10	< 1	0.11	< 10	1.08
B412228	0.3	< 0.5	175	886	12	21	< 2	82	2.38	29	< 10	38	< 0.5	< 2	2.70	37	2	8.99	< 10	2	0.32	< 10	1.32
B412229	1.5	< 0.5	230	1030	18	59	4	97	3.65	112	< 10	59	< 0.5	8	1.84	44	52	9.46	10	< 1	0.48	< 10	2.60
B412230	< 0.2	< 0.5	14	95	< 1	12	58	81	1.54	8	34	89	< 0.5	< 2	> 10.0	2	27	1.48	< 10	< 1	0.06	< 10	2.02
B412231	0.6	< 0.5	185	1130	2	20	< 2	126	3.84	247	< 10	56	< 0.5	< 2	1.28	45	8	10.8	10	< 1	0.69	< 10	2.14
B412232	1.3	< 0.5	259	685	10	22	4	96	2.27	1400	< 10	11	< 0.5	< 2	0.20	58	5	9.47	10	2	1.24	< 10	1.67
B412233	1.0	< 0.5	192	1210	165	30	< 2	165	3.59	296	< 10	35	< 0.5	2	1.40	58	2	11.7	10	< 1	1.06	< 10	2.22
B412234	0.6	< 0.5	157	1020	10	12	3	116	2.43	31	< 10	11	< 0.5	< 2	2.78	33	3	8.12	< 10	1	0.12	< 10	1.27

## Results

## Activation Laboratories Ltd.

## Report: A21-21114

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2		0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B412235	< 0.2	< 0.5	247	401	< 1	135	< 2	42	1.82	25	< 10	< 10	< 0.5	< 2	1.06	32	471	2.77	< 10	< 1	0.03	10	1.92
B412236	< 0.2	< 0.5	62	436	1	150	< 2	43	1.94	33	< 10	< 10	< 0.5	< 2	1.27	35	503	2.86	< 10	< 1	0.03	< 10	2.09
B412237	< 0.2	< 0.5	2	440	< 1	151	< 2	45	1.83	50	< 10	17	< 0.5	< 2	1.02	37	477	2.76	< 10	< 1	0.11	< 10	1.95
B412238	0.6	< 0.5	326	732	9	56	< 2	99	3.45	76	< 10	238	< 0.5	< 2	1.04	50	53	8.34	10	< 1	1.40	< 10	2.34
B412239	1.1	< 0.5	496	652	3	329	7	91	2.49	8	< 10	14	< 0.5	< 2	1.10	73	3	9.06	< 10	< 1	0.94	< 10	1.63
B412240	1.3	< 0.5	143	706	3	117	19	71	3.10	32	31	34	< 0.5	< 2	2.70	31	280	5.55	< 10	2	0.13	< 10	2.63
B412241	0.9	0.6	473	1080	23	94	10	134	3.81	210	< 10	< 10	< 0.5	3	0.49	59	3	10.7	10	1	0.05	< 10	2.23
B412242	1.1	< 0.5	274	981	29	118	7	97	3.34	4950	< 10	19	< 0.5	28	0.46	111	8	9.74	10	< 1	0.14	< 10	1.95
B412243	0.7	< 0.5	363	902	43	55	< 2	98	3.29	136	< 10	76	< 0.5	< 2	0.95	56	56	8.27	10	< 1	0.51	< 10	2.17
B412244	0.6	< 0.5	289	970	7	255	< 2	131	4.02	198	< 10	72	< 0.5	3	0.61	92	738	11.1	10	1	0.48	< 10	2.81
B412245	0.5	< 0.5	223	952	31	195	< 2	180	3.89	79	< 10	59	< 0.5	3	0.60	57	571	10.1	< 10	2	0.45	< 10	2.91
B412246	0.5	0.6	106	1150	121	358	< 2	127	4.77	280	< 10	51	< 0.5	4	1.70	76	1300	11.0	10	< 1	0.39	< 10	3.81
B412247	0.3	< 0.5	59	1240	100	222	< 2	118	4.66	154	< 10	< 10	< 0.5	3	3.48	56	535	9.81	10	2	0.06	< 10	4.01
B412248	0.9	< 0.5	660	725	2	30	3	59	2.13	16	< 10	16	< 0.5	< 2	1.68	38	7	6.46	< 10	2	0.19	< 10	1.45
B412249	2.1	< 0.5	768	1020	28	77	7	129	3.56	20	< 10	28	< 0.5	2	0.57	34	11	9.11	10	< 1	0.25	< 10	2.35
B412250	0.4	< 0.5	14	100	< 1	13	66	78	1.73	8	33	46	< 0.5	< 2	> 10.0	< 1	27	1.51	< 10	< 1	0.08	< 10	2.04
B412251	2.7	0.8	945	1400	7	95	< 2	171	5.25	456	< 10	< 10	< 0.5	< 2	0.25	39	14	13.7	20	2	0.03	< 10	3.29
B412252	2.1	< 0.5	462	1180	40	93	5	105	3.72	264	< 10	< 10	< 0.5	46	0.18	42	10	10.0	10	< 1	0.04	< 10	2.28
B412253	2.7	< 0.5	646	1240	5	254	15	73	3.30	834	< 10	17	< 0.5	23	0.64	54	478	9.89	< 10	< 1	0.13	< 10	2.19
B412254	0.7	< 0.5	260	1220	7	129	< 2	72	3.20	105	< 10	16	< 0.5	3	1.32	58	190	8.58	< 10	2	0.12	< 10	2.09
B412255	1.4	< 0.5	598	836	6	35	< 2	61	1.72	30	< 10	31	< 0.5	< 2	2.71	38	27	4.75	< 10	< 1	0.13	< 10	1.14
B412256	0.7	< 0.5	315	796	13	36	3	62	1.85	31	< 10	66	< 0.5	< 2	2.42	41	29	4.96	< 10	< 1	0.23	< 10	1.23
B412257	0.4	< 0.5	204	554	3	25	< 2	63	1.85	24	< 10	85	< 0.5	< 2	1.71	37	8	5.27	< 10	< 1	0.40	< 10	1.28
B412258	3.7	< 0.5	1750	535	5	73	10	79	1.59	14	< 10	43	< 0.5	7	1.69	50	5	6.08	< 10	1	0.25	< 10	1.05
B412259	0.4	< 0.5	318	523	41	23	3	58	1.52	27	< 10	< 10	< 0.5	< 2	1.42	37	4	5.59	< 10	1	0.08	< 10	1.00
B412260	0.3	< 0.5	156	759	< 1	56	11	89	3.79	23	24	20	< 0.5	< 2	2.98	27	19	5.76	< 10	< 1	0.07	< 10	1.65
B412261	1.3	< 0.5	278	514	1	143	< 2	50	1.91	78	< 10	73	< 0.5	< 2	1.54	47	280	4.20	< 10	< 1	0.31	< 10	1.86
B412262	1.1	0.7	142	681	< 1	233	6	70	2.75	97	< 10	85	< 0.5	< 2	2.99	48	546	3.89	< 10	< 1	0.57	< 10	2.91
B412263	< 0.2	< 0.5	9	433	< 1	202	< 2	42	2.31	106	< 10	60	< 0.5	< 2	1.45	44	523	2.76	< 10	< 1	0.42	10	2.18
B412264	1.2	< 0.5	48	1570	4	106	13	38	1.44	56	< 10	41	< 0.5	< 2	6.33	19	235	3.01	< 10	< 1	0.36	< 10	2.19
B412265	0.6	< 0.5	148	850	2	155	< 2	54	3.94	5220	< 10	< 10	< 0.5	2	0.69	65	281	10.7	10	< 1	0.13	< 10	3.08
B412266	1.8	< 0.5	260	748	4	123	4	68	2.98	1250	< 10	39	< 0.5	< 2	1.78	51	256	7.29	< 10	2	0.26	< 10	2.48
B412267	< 0.2	< 0.5	19	149	13	10	< 2	11	0.28	11	< 10	< 10	< 0.5	< 2	0.39	4	31	1.14	< 10	< 1	0.01	< 10	0.36
B412268	< 0.2	< 0.5	30	181	< 1	2	< 2	14	0.61	4	< 10	36	< 0.5	< 2	0.35	3	4	2.08	< 10	< 1	0.12	< 10	0.33
B412269	< 0.2	< 0.5	64	394	3	42	6	39	1.63	16	< 10	41	< 0.5	< 2	1.05	20	102	3.93	< 10	< 1	0.15	< 10	1.22
B412270	0.4	< 0.5	13	102	< 1	13	67	79	1.75	8	34	45	< 0.5	< 2	> 10.0	< 1	28	1.57	< 10	< 1	0.08	< 10	2.10



Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B412184	0.181	0.028	0.11	< 2	13	26	0.25	< 20	3	< 2	< 10	100	< 10	10	12
B412185	0.153	0.008	0.11	< 2	4	30	0.10	< 20	4	< 2	13	49	< 10	7	22
B412186	0.171	0.031	3.94	3	8	30	0.27	< 20	1	< 2	< 10	114	< 10	8	10
B412187	0.099	0.018	1.55	3	7	22	0.19	< 20	1	< 2	11	71	< 10	7	23
B412188	0.116	0.003	0.14	< 2	< 1	21	0.02	< 20	2	< 2	11	4	< 10	3	21
B412189	0.097	0.012	0.33	< 2	< 1	15	0.02	< 20	6	< 2	< 10	3	< 10	4	19
B412190	0.031	0.020	0.83	< 2	2	329	0.06	< 20	2	< 2	< 10	39	< 10	4	20
B412191	0.090	0.010	0.12	3	< 1	10	0.02	< 20	6	< 2	< 10	3	< 10	3	20
B412192	0.087	0.013	1.31	12	< 1	10	0.02	< 20	3	< 2	< 10	5	< 10	4	20
B412193	0.145	0.031	0.26	5	14	28	0.21	< 20	3	< 2	< 10	146	< 10	6	8
B412194	0.268	0.035	0.98	4	9	40	0.20	< 20	5	< 2	< 10	130	< 10	6	5
B412195	0.199	0.012	0.51	< 2	3	26	0.10	< 20	2	< 2	< 10	51	< 10	5	14
B412196	0.241	0.006	0.17	< 2	2	21	0.06	< 20	< 1	< 2	< 10	22	< 10	5	21
B412197	0.153	0.014	0.26	< 2	10	23	0.16	< 20	6	< 2	< 10	84	< 10	6	15
B412198	0.084	0.011	0.22	4	7	15	0.11	< 20	4	< 2	< 10	52	< 10	6	23
B412199	0.060	0.020	0.98	2	14	15	0.19	< 20	2	< 2	14	105	< 10	7	27
B412200	0.048	0.034	0.25	3	5	38	0.33	< 20	9	< 2	< 10	138	< 10	7	11
B412201	0.055	0.030	2.16	4	14	125	0.11	< 20	9	< 2	< 10	85	< 10	4	13
B412202	0.119	0.045	2.91	2	7	24	0.09	< 20	2	< 2	< 10	46	< 10	9	36
B412203	0.097	0.017	2.36	< 2	9	12	0.07	< 20	< 1	< 2	< 10	123	< 10	7	33
B412204	0.149	0.071	3.08	3	11	189	0.12	< 20	< 1	< 2	< 10	125	< 10	9	23
B412205	0.104	0.091	1.03	< 2	11	148	0.13	< 20	1	< 2	< 10	176	< 10	9	16
B412206	0.093	0.090	2.80	4	19	91	0.13	< 20	4	< 2	< 10	245	13	9	21
B412207	0.083	0.100	3.08	3	18	69	0.13	< 20	< 1	< 2	< 10	224	< 10	8	22
B412208	0.042	0.233	0.08	4	13	321	0.07	< 20	< 1	< 2	< 10	70	< 10	10	3
B412209	0.044	0.151	0.09	2	15	428	0.07	< 20	< 1	< 2	< 10	64	< 10	8	3
B412210	0.029	0.019	0.71	< 2	2	306	0.06	< 20	< 1	< 2	< 10	38	< 10	4	11
B412211	0.038	0.048	0.35	2	13	250	0.05	< 20	< 1	< 2	< 10	64	< 10	5	7
B412212	0.042	0.090	0.49	3	14	286	0.07	< 20	< 1	< 2	< 10	71	< 10	6	9
B412213	0.013	0.006	0.19	< 2	6	241	< 0.01	< 20	4	< 2	< 10	10	< 10	5	3
B412214	0.010	0.001	0.06	< 2	2	190	< 0.01	< 20	5	< 2	< 10	3	< 10	3	1
B412215	0.023	0.111	1.62	< 2	15	195	0.07	< 20	< 1	< 2	< 10	154	< 10	7	10
B412216	0.087	0.092	2.70	4	13	82	0.13	< 20	3	< 2	< 10	152	< 10	9	17
B412217	0.109	0.027	0.71	26	7	25	0.07	< 20	< 1	< 2	< 10	62	< 10	3	13
B412218	0.153	0.031	2.11	9	13	25	0.15	< 20	3	< 2	< 10	142	< 10	5	9
B412219	0.079	0.032	0.25	< 2	12	17	0.12	< 20	< 1	< 2	< 10	104	< 10	4	8
B412220	0.062	0.031	0.57	3	8	36	0.28	< 20	5	< 2	< 10	115	< 10	7	13
B412221	0.067	0.046	0.04	< 2	2	45	0.10	< 20	6	< 2	< 10	22	< 10	3	15
B412222	0.091	0.045	0.81	< 2	7	30	0.10	< 20	< 1	< 2	< 10	103	< 10	6	27
B412223	0.102	0.035	1.95	< 2	5	73	0.07	< 20	< 1	< 2	< 10	80	< 10	5	23
B412224	0.025	0.041	2.85	2	6	10	0.12	< 20	6	< 2	< 10	75	< 10	8	18
B412225	0.011	0.030	3.38	2	8	11	0.16	< 20	10	< 2	< 10	84	< 10	8	25
B412226	0.209	0.046	0.81	2	6	58	0.20	< 20	2	< 2	< 10	107	< 10	9	10
B412227	0.254	0.047	0.04	4	7	20	0.17	< 20	4	< 2	< 10	125	< 10	9	8
B412228	0.226	0.046	0.71	4	7	17	0.18	< 20	3	< 2	< 10	138	< 10	9	9
B412229	0.083	0.043	0.31	< 2	10	11	0.18	< 20	5	< 2	< 10	146	< 10	9	9
B412230	0.031	0.019	0.78	< 2	2	321	0.06	< 20	< 1	< 2	< 10	39	< 10	4	15
B412231	0.109	0.053	0.54	3	10	8	0.19	< 20	2	< 2	< 10	165	< 10	10	9
B412232	0.049	0.045	4.19	7	13	3	0.24	< 20	3	< 2	< 10	170	< 10	9	15
B412233	0.045	0.051	1.77	4	10	9	0.22	< 20	4	< 2	< 10	168	< 10	11	12
B412234	0.146	0.045	0.14	2	7	16	0.12	< 20	2	< 2	< 10	132	< 10	10	6

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B412235	0.060	0.058	0.03	< 2	3	13	0.15	< 20	4	< 2	< 10	46	< 10	4	5
B412236	0.062	0.058	0.01	2	3	15	0.15	< 20	3	< 2	< 10	47	< 10	4	4
B412237	0.064	0.053	< 0.01	4	3	11	0.16	< 20	5	< 2	< 10	48	< 10	4	7
B412238	0.133	0.043	0.30	2	9	9	0.36	< 20	3	< 2	< 10	238	< 10	4	9
B412239	0.145	0.040	2.75	2	8	8	0.25	< 20	3	< 2	< 10	179	< 10	7	11
B412240	0.060	0.038	0.49	2	8	38	0.37	< 20	3	< 2	< 10	144	< 10	9	16
B412241	0.068	0.043	0.85	4	10	7	0.10	< 20	3	< 2	< 10	235	< 10	9	9
B412242	0.041	0.033	1.10	5	13	8	0.08	< 20	< 1	< 2	< 10	190	11	11	12
B412243	0.088	0.043	0.28	3	8	7	0.22	< 20	6	< 2	< 10	154	< 10	9	9
B412244	0.032	0.032	0.80	6	25	6	0.33	< 20	2	< 2	< 10	208	< 10	8	7
B412245	0.042	0.038	0.45	5	18	4	0.24	< 20	4	< 2	< 10	160	< 10	6	8
B412246	0.045	0.040	0.32	7	19	11	0.15	< 20	< 1	< 2	< 10	187	< 10	5	7
B412247	0.073	0.046	0.19	3	10	26	0.14	< 20	3	< 2	< 10	149	< 10	6	6
B412248	0.174	0.052	0.68	3	7	13	0.20	< 20	3	< 2	< 10	125	< 10	9	12
B412249	0.072	0.044	0.46	3	12	6	0.22	< 20	< 1	< 2	< 10	212	< 10	13	13
B412250	0.039	0.018	0.74	< 2	2	362	0.07	< 20	< 1	< 2	< 10	39	< 10	4	3
B412251	0.022	0.040	0.46	6	18	5	0.09	< 20	< 1	< 2	< 10	278	20	12	8
B412252	0.020	0.031	0.67	3	15	4	0.09	< 20	2	< 2	< 10	214	11	10	10
B412253	0.023	0.016	1.24	5	15	7	0.13	< 20	< 1	< 2	< 10	172	< 10	8	8
B412254	0.091	0.033	0.39	4	13	8	0.13	< 20	< 1	< 2	< 10	151	< 10	9	7
B412255	0.182	0.042	0.31	3	7	11	0.16	< 20	< 1	< 2	< 10	89	< 10	8	6
B412256	0.183	0.043	0.24	< 2	8	11	0.19	< 20	2	< 2	< 10	98	< 10	7	6
B412257	0.181	0.045	0.20	2	6	7	0.19	< 20	4	< 2	< 10	104	< 10	7	10
B412258	0.153	0.045	1.04	2	6	7	0.18	< 20	4	< 2	< 10	106	< 10	7	11
B412259	0.172	0.048	0.34	< 2	6	6	0.17	< 20	4	< 2	< 10	100	< 10	7	10
B412260	0.123	0.037	0.20	2	5	38	0.42	< 20	5	< 2	< 10	149	< 10	8	14
B412261	0.110	0.045	0.30	< 2	4	18	0.21	< 20	2	< 2	< 10	82	< 10	5	9
B412262	0.076	0.044	0.26	2	3	45	0.19	< 20	3	< 2	< 10	71	< 10	3	8
B412263	0.135	0.056	0.03	< 2	4	44	0.14	< 20	2	< 2	< 10	55	< 10	3	5
B412264	0.030	0.051	0.86	< 2	3	129	0.10	< 20	3	< 2	< 10	49	< 10	3	11
B412265	0.042	0.024	0.97	5	24	16	0.09	< 20	< 1	< 2	< 10	207	11	7	9
B412266	0.087	0.035	0.80	2	13	21	0.15	< 20	3	< 2	< 10	153	< 10	6	8
B412267	0.040	0.008	0.02	< 2	3	4	0.04	< 20	< 1	< 2	< 10	21	< 10	1	5
B412268	0.064	0.011	0.05	< 2	3	4	0.10	< 20	1	< 2	< 10	43	< 10	3	5
B412269	0.150	0.046	0.13	2	8	35	0.24	< 20	3	< 2	< 10	112	< 10	6	13
B412270	0.041	0.018	0.79	< 2	2	370	0.07	< 20	1	< 2	< 10	39	< 10	4	3

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas	0.4	< 0.5	70	1080	< 1	23	98	125	7.04	217	< 10	859	0.9	3	0.13	11	81	5.66	20	1	0.98	< 10	0.38
GXR-6 Cert	1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9	0.609
GXR-6 Meas	0.4	< 0.5	71	1080	1	25	99	124	7.10	224	< 10	849	0.9	2	0.13	12	79	5.73	20	1	1.00	< 10	0.38
GXR-6 Cert	1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9	0.609
GXR-6 Meas	0.4	< 0.5	72	1090	1	23	97	126	7.14	219	< 10	885	0.9	3	0.13	11	80	5.81	20	3	1.01	< 10	0.40
GXR-6 Cert	1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9	0.609
GXR-6 Meas	0.3	< 0.5	72	1000	< 1	22	92	117	6.39	213	< 10	714	0.7	< 2	0.11	14	75	6.02	20	2	1.05	< 10	0.39
GXR-6 Cert	1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9	0.609
GXR-6 Meas	0.3	< 0.5	67	968	< 1	20	87	113	5.97	200	< 10	684	0.7	< 2	0.11	13	71	5.54	10	2	0.97	< 10	0.37
GXR-6 Cert	1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9	0.609
GXR-6 Meas	0.3	< 0.5	71	1020	< 1	23	86	114	6.57	213	< 10	671	0.8	< 2	0.11	13	80	5.64	20	1	1.07	< 10	0.38
GXR-6 Cert	1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9	0.609
GXR-6 Meas	0.2	< 0.5	68	1000	1	21	87	116	6.38	215	< 10	714	0.8	< 2	0.12	13	76	5.20	20	< 1	1.02	< 10	0.36
GXR-6 Cert	1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9	0.609
GXR-6 Meas	0.2	< 0.5	70	1020	1	23	91	119	6.50	224	< 10	747	0.8	< 2	0.12	13	77	5.45	20	< 1	1.05	< 10	0.38
GXR-6 Cert	1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9	0.609
GXR-6 Meas	0.3	< 0.5	69	1010	< 1	22	89	117	6.35	205	< 10	749	0.8	< 2	0.12	13	76	5.42	20	< 1	1.04	< 10	0.38
GXR-6 Cert	1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9	0.609
GXR-6 Meas	0.2	< 0.5	71	1030	1	22	91	120	6.48	219	< 10	787	0.8	< 2	0.12	13	77	5.70	20	< 1	1.06	< 10	0.40
GXR-6 Cert	1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9	0.609
OREAS 98 (Aqua Regia) Meas	43.6		> 10000				286	1250						52		111							
OREAS 98 (Aqua Regia) Cert	42.8		147000				343	1300						93		111							
OREAS 98 (Aqua Regia) Meas	44.1		> 10000				280	1240						87		111							
OREAS 98 (Aqua Regia) Cert	42.8		147000				343	1300						93		111							
OREAS 98 (Aqua Regia) Meas	42.9		> 10000				272	1220						56		106							
OREAS 98 (Aqua Regia) Cert	42.8		147000				343	1300						93		111							
OREAS 922 (AQUA REGIA) Meas	0.9	< 0.5	2160	808	< 1	34	72	264	2.79	6		70	0.7	10	0.36	19	46	5.08	< 10		0.38	35	1.32
OREAS 922 (AQUA REGIA) Cert	0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5	1.33
OREAS 922 (AQUA REGIA) Meas	0.9	0.7	2170	807	< 1	34	66	267	2.75	6		72	0.7	10	0.36	23	44	5.06	< 10		0.39	35	1.32
OREAS 922 (AQUA REGIA) Cert	0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5	1.33
OREAS 922 (AQUA REGIA) Meas	0.9	< 0.5	2180	802	< 1	35	62	264	2.84	8		77	0.7	10	0.37	21	45	5.07	< 10		0.41	35	1.32
OREAS 922 (AQUA REGIA) Cert	0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5	1.33
OREAS 922 (AQUA REGIA) Meas	0.6	< 0.5	2080	705	< 1	31	56	235	2.46	7		63	0.6	5	0.35	18	41	4.79	< 10		0.39	32	1.20
OREAS 922 (AQUA REGIA) Cert	0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5	1.33
OREAS 922	0.7	< 0.5	2210	723	< 1	33	56	247	2.60	5		65	0.6	4	0.36	18	41	5.12	< 10		0.41	33	1.27

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
(AQUA REGIA) Meas																							
OREAS 922 (AQUA REGIA) Cert	0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5	1.33
OREAS 922 (AQUA REGIA) Meas	0.8	< 0.5	2300	767	< 1	34	62	243	2.84	6		64	0.7	3	0.37	20	46	4.98	< 10		0.46	36	1.27
OREAS 922 (AQUA REGIA) Cert	0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5	1.33
OREAS 922 (AQUA REGIA) Meas	0.7	< 0.5	2290	725	< 1	32	54	240	2.61	6		64	0.7	7	0.36	18	44	4.85	< 10		0.41	31	1.22
OREAS 922 (AQUA REGIA) Cert	0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5	1.33
OREAS 922 (AQUA REGIA) Meas	0.8	< 0.5	2320	757	< 1	35	61	251	2.70	7		67	0.7	11	0.37	20	45	5.20	< 10		0.42	32	1.29
OREAS 922 (AQUA REGIA) Cert	0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5	1.33
OREAS 922 (AQUA REGIA) Meas	0.7	< 0.5	2220	730	< 1	31	60	241	2.62	8		68	0.7	6	0.37	19	43	5.06	< 10		0.42	32	1.26
OREAS 922 (AQUA REGIA) Cert	0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5	1.33
OREAS 922 (AQUA REGIA) Meas	0.7	< 0.5	2270	758	< 1	34	58	245	2.68	6		74	0.7	9	0.38	19	45	5.32	< 10		0.44	33	1.32
OREAS 922 (AQUA REGIA) Cert	0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5	1.33
OREAS 923 (AQUA REGIA) Meas	1.8	< 0.5	4270	927	< 1	34	84	351	2.83	10		56	0.7	22	0.37	21	43	5.85	< 10		0.32	33	1.42
OREAS 923 (AQUA REGIA) Cert	1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0	1.43
OREAS 923 (AQUA REGIA) Meas	1.6	< 0.5	4240	906	< 1	33	83	344	2.78	4		56	0.7	25	0.36	20	42	5.75	< 10		0.32	32	1.39
OREAS 923 (AQUA REGIA) Cert	1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0	1.43
OREAS 923 (AQUA REGIA) Meas	2.0	< 0.5	4300	914	< 1	32	82	344	2.87	7		63	0.7	23	0.37	20	42	5.88	< 10		0.36	33	1.41
OREAS 923 (AQUA REGIA) Cert	1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0	1.43
OREAS 923 (AQUA REGIA) Meas	1.6	0.5	4290	795	< 1	28	78	303	2.59	7		52	0.6	17	0.35	21	37	5.86	< 10		0.35	29	1.33
OREAS 923 (AQUA REGIA) Cert	1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0	1.43
OREAS 923 (AQUA REGIA) Meas	1.7	< 0.5	4360	825	< 1	32	79	321	2.66	7		51	0.6	21	0.36	22	39	6.04	< 10		0.35	30	1.37

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
OREAS 923 (AQUA REGIA) Cert	1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0	1.43
OREAS 923 (AQUA REGIA) Meas	1.8	< 0.5	4350	861	< 1	31	76	313	2.79	8		50	0.6	5	0.37	22	44	5.57	< 10		0.37	33	1.33
OREAS 923 (AQUA REGIA) Cert	1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0	1.43
OREAS 923 (AQUA REGIA) Meas	1.6	< 0.5	4490	858	< 1	32	80	333	2.74	6		58	0.6	16	0.38	22	42	5.69	< 10		0.37	30	1.35
OREAS 923 (AQUA REGIA) Cert	1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0	1.43
OREAS 923 (AQUA REGIA) Meas	1.5	< 0.5	4540	860	< 1	31	79	323	2.73	7		56	0.6	13	0.37	22	41	5.85	< 10		0.36	29	1.38
OREAS 923 (AQUA REGIA) Cert	1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0	1.43
OREAS 923 (AQUA REGIA) Meas	1.4	< 0.5	4310	825	< 1	28	75	316	2.61	6		56	0.6	18	0.37	21	41	5.67	< 10		0.35	29	1.32
OREAS 923 (AQUA REGIA) Cert	1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0	1.43
OREAS 923 (AQUA REGIA) Meas	1.6	< 0.5	4600	876	< 1	31	78	335	2.78	8		61	0.7	11	0.38	22	43	6.15	< 10		0.38	31	1.45
OREAS 923 (AQUA REGIA) Cert	1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0	1.43
Oreas 96 (Aqua Regia) Meas	11.9		> 10000					95	443						93		47						
Oreas 96 (Aqua Regia) Cert	11.50		39100.00					100	448						27.9		49.2						
Oreas 96 (Aqua Regia) Meas	11.5		> 10000					93	431						76		46						
Oreas 96 (Aqua Regia) Cert	11.50		39100.00					100	448						27.9		49.2						
Oreas 96 (Aqua Regia) Meas	11.4		> 10000					89	426						94		44						
Oreas 96 (Aqua Regia) Cert	11.50		39100.00					100	448						27.9		49.2						
Oreas 96 (Aqua Regia) Meas	10.9		> 10000					85	403						20		46						
Oreas 96 (Aqua Regia) Cert	11.50		39100.00					100	448						27.9		49.2						
Oreas 96 (Aqua Regia) Meas	11.1		> 10000					87	413						19		47						
Oreas 96 (Aqua Regia) Cert	11.50		39100.00					100	448						27.9		49.2						
Oreas 96 (Aqua Regia) Meas	11.1		> 10000					81	405						< 2		48						
Oreas 96 (Aqua Regia) Cert	11.50		39100.00					100	448						27.9		49.2						
Oreas 96 (Aqua Regia) Meas	11.0		> 10000					87	412						< 2		47						
Oreas 96 (Aqua Regia) Meas	11.50		39100.00					100	448						27.9		49.2						

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Regia) Cert			00																				
Oreas 96 (Aqua Regia) Meas	10.4		> 10000				86	398						4		45							
Oreas 96 (Aqua Regia) Cert	11.50		39100.00				100	448						27.9		49.2							
Oreas 96 (Aqua Regia) Meas	11.2		> 10000				87	415						< 2		47							
Oreas 96 (Aqua Regia) Cert	11.50		39100.00				100	448						27.9		49.2							
Oreas 621 (Aqua Regia) Meas	71.3	287	3390	548	13	30	> 5000	> 10000	1.65	78			0.6	4	1.60	34	41	3.20	< 10	5	0.30	18	0.42
Oreas 621 (Aqua Regia) Cert	68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4	0.436
Oreas 621 (Aqua Regia) Meas	70.2	284	3590	545	14	24	> 5000	> 10000	1.74	76			0.6	3	1.54	32	30	3.30	< 10	4	0.33	19	0.43
Oreas 621 (Aqua Regia) Cert	68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4	0.436
Oreas 621 (Aqua Regia) Meas	61.5	269	3420	486	11	21	> 5000	> 10000	1.48	71			< 0.5	< 2	1.49	28	26	3.21	< 10	4	0.31	19	0.40
Oreas 621 (Aqua Regia) Cert	68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4	0.436
Oreas 621 (Aqua Regia) Meas	64.4	273	3450	508	12	22	> 5000	> 10000	1.53	71			0.5	6	1.56	29	30	3.31	< 10	4	0.32	19	0.42
Oreas 621 (Aqua Regia) Cert	68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4	0.436
Oreas 621 (Aqua Regia) Meas	62.2	265	3360	509	12	20	> 5000	> 10000	1.59	72			0.5	< 2	1.51	29	28	3.14	< 10	3	0.33	20	0.39
Oreas 621 (Aqua Regia) Cert	68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4	0.436
Oreas 621 (Aqua Regia) Meas	63.5	259	3370	494	10	27	> 5000	> 10000	1.47	72			< 0.5	< 2	1.51	28	34	3.04	< 10	3	0.30	17	0.39
Oreas 621 (Aqua Regia) Cert	68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4	0.436
Oreas 621 (Aqua Regia) Meas	67.8	272	3680	515	12	26	> 5000	> 10000	1.56	73			0.5	3	1.56	29	32	3.29	< 10	4	0.34	18	0.41
Oreas 621 (Aqua Regia) Cert	68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4	0.436
Oreas 621 (Aqua Regia) Meas	64.4	261	3430	503	11	23	> 5000	> 10000	1.54	69			0.5	< 2	1.52	28	30	3.18	< 10	3	0.34	18	0.41
Oreas 621 (Aqua Regia) Cert	68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4	0.436
Oreas 621 (Aqua Regia) Meas	67.8	281	3640	528	13	22	> 5000	> 10000	1.62	74			0.6	4	1.57	29	29	3.42	< 10	4	0.34	19	0.43
Oreas 621 (Aqua Regia) Cert	68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4	0.436
OREAS 45f (Aqua Regia) Meas			368	174	< 1	231	10	26	6.74			139	1.1	3	0.07	34	362	14.7	20	< 1	0.09	< 10	0.17
OREAS 45f (Aqua Regia) Cert			336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750	39.2	341	13.7	20.3	0.0310	0.0820	10.7	0.152
OREAS 45f (Aqua Regia) Meas			369	169	< 1	237	14	25	6.53			139	1.0	3	0.06	34	355	14.6	20	< 1	0.09	< 10	0.17
OREAS 45f (Aqua Regia) Cert			336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750	39.2	341	13.7	20.3	0.0310	0.0820	10.7	0.152
OREAS 45f (Aqua Regia) Meas			379	176	< 1	244	12	27	7.23			140	1.0	2	0.06	33	352	15.0	20	< 1	0.09	< 10	0.18
OREAS 45f (Aqua Regia) Cert			336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750	39.2	341	13.7	20.3	0.0310	0.0820	10.7	0.152
OREAS 45f (Aqua Regia) Meas			373	157	1	227	7	24	6.36			124	0.9	< 2	0.05	38	329	15.1	20	< 1	0.10	< 10	0.17

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Regia) Meas																							
OREAS 45f (Aqua Regia) Cert			336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750	39.2	341	13.7	20.3	0.0310	0.0820	10.7	0.152
OREAS 45f (Aqua Regia) Meas			359	159	< 1	218	7	24	6.31			122	0.9	< 2	0.06	38	328	14.8	20	< 1	0.10	< 10	0.17
OREAS 45f (Aqua Regia) Cert			336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750	39.2	341	13.7	20.3	0.0310	0.0820	10.7	0.152
OREAS 45f (Aqua Regia) Meas			351	162	1	219	8	24	6.40			125	0.9	< 2	0.06	39	341	13.3	20	2	0.10	< 10	0.16
OREAS 45f (Aqua Regia) Cert			336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750	39.2	341	13.7	20.3	0.0310	0.0820	10.7	0.152
OREAS 45f (Aqua Regia) Meas			378	170	< 1	228	8	25	6.70			135	1.0	3	0.06	41	356	14.6	20	< 1	0.10	< 10	0.18
OREAS 45f (Aqua Regia) Cert			336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750	39.2	341	13.7	20.3	0.0310	0.0820	10.7	0.152
OREAS 45f (Aqua Regia) Meas			364	168	< 1	226	9	26	6.74			132	1.0	3	0.06	39	349	14.2	20	2	0.11	< 10	0.18
OREAS 45f (Aqua Regia) Cert			336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750	39.2	341	13.7	20.3	0.0310	0.0820	10.7	0.152
OREAS 45f (Aqua Regia) Meas			373	173	< 1	230	5	26	6.92			137	1.0	< 2	0.06	40	356	15.1	20	3	0.11	< 10	0.18
OREAS 45f (Aqua Regia) Cert			336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750	39.2	341	13.7	20.3	0.0310	0.0820	10.7	0.152
B412195 Orig	1.0	< 0.5	59	417	2	30	17	32	2.73	60	< 10	30	< 0.5	< 2	1.33	17	39	2.78	< 10	< 1	0.99	< 10	1.49
B412195 Dup	0.9	< 0.5	59	417	2	30	16	31	2.72	59	< 10	30	< 0.5	< 2	1.33	17	39	2.77	< 10	< 1	0.99	< 10	1.49
B412204 Orig	9.5	0.6	829	1170	43	139	63	158	1.63	3	< 10	29	< 0.5	3	5.34	78	27	10.4	< 10	< 1	0.20	< 10	2.48
B412204 Dup	9.8	0.5	786	1120	41	131	64	150	1.53	< 2	< 10	28	< 0.5	2	5.13	76	26	9.63	< 10	< 1	0.19	< 10	2.32
B412223 Orig	24.5	0.7	3230	546	127	263	13	136	1.30	4	< 10	46	< 0.5	< 2	2.69	87	62	6.26	< 10	< 1	0.32	14	1.35
B412223 Dup	26.6	0.7	3320	555	130	272	11	141	1.33	4	< 10	47	< 0.5	< 2	2.72	88	62	6.44	< 10	< 1	0.33	15	1.39
B412228 Orig	0.3	< 0.5	175	886	12	21	< 2	82	2.38	29	< 10	38	< 0.5	< 2	2.70	37	2	8.99	< 10	2	0.32	< 10	1.32
B412228 Split PREP DUP	0.2	< 0.5	172	899	10	17	< 2	87	2.50	35	< 10	40	< 0.5	< 2	2.76	45	2	8.96	< 10	1	0.35	< 10	1.37
B412233 Orig	1.0	< 0.5	194	1210	164	29	< 2	165	3.60	297	< 10	35	< 0.5	2	1.40	58	2	11.7	10	< 1	1.06	< 10	2.22
B412233 Dup	1.1	< 0.5	189	1210	165	30	3	165	3.59	296	< 10	34	< 0.5	2	1.41	57	2	11.6	10	2	1.06	< 10	2.22
B412246 Orig	0.5	0.6	106	1160	121	366	3	128	4.82	294	< 10	51	< 0.5	3	1.72	79	1310	11.1	10	1	0.40	< 10	3.84
B412246 Dup	0.5	0.6	105	1140	120	349	< 2	125	4.72	265	< 10	51	< 0.5	5	1.68	73	1290	10.9	10	< 1	0.39	< 10	3.78
B412260 Orig	0.3	< 0.5	154	755	< 1	56	9	89	3.76	23	24	20	< 0.5	< 2	2.96	27	19	5.69	< 10	2	0.07	< 10	1.64
B412260 Dup	0.3	< 0.5	159	763	< 1	56	12	89	3.83	24	25	20	< 0.5	< 2	3.01	27	19	5.83	< 10	< 1	0.08	< 10	1.67
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01



Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas	0.121	0.034	0.01	3	18	32		< 20	1	< 2	< 10	161	< 10	4	8
GXR-6 Cert	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
GXR-6 Meas	0.126	0.034	0.01	5	18	31		< 20	< 1	< 2	< 10	160	< 10	4	9
GXR-6 Cert	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
GXR-6 Meas	0.126	0.033	0.01	4	17	32		< 20	< 1	2	< 10	161	< 10	4	7
GXR-6 Cert	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
GXR-6 Meas	0.078	0.034	0.01	3	13	24		< 20	< 1	< 2	< 10	155	< 10	3	6
GXR-6 Cert	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
GXR-6 Meas	0.075	0.032	0.01	3	13	23		< 20	< 1	< 2	< 10	150	< 10	3	6
GXR-6 Cert	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
GXR-6 Meas	0.079	0.035	0.01	3	14	25		< 20	< 1	< 2	< 10	164	< 10	3	6
GXR-6 Cert	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
GXR-6 Meas	0.070	0.034	0.01	4	15	26		< 20	< 1	< 2	< 10	146	< 10	3	7
GXR-6 Cert	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
GXR-6 Meas	0.075	0.035	0.01	6	16	27		< 20	< 1	< 2	< 10	151	< 10	3	8
GXR-6 Cert	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
GXR-6 Meas	0.074	0.034	0.01	3	14	25		< 20	< 1	< 2	< 10	148	< 10	3	5
GXR-6 Cert	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
GXR-6 Meas	0.080	0.035	0.01	3	15	26		< 20	< 1	< 2	< 10	153	< 10	3	7
GXR-6 Cert	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
OREAS 98 (Aqua Regia) Meas				18											
OREAS 98 (Aqua Regia) Cert				15											
OREAS 98 (Aqua Regia) Meas				19											
OREAS 98 (Aqua Regia) Cert				15											
OREAS 98 (Aqua Regia) Meas				18											
OREAS 98 (Aqua Regia) Cert				15											
OREAS 922 (AQUA REGIA) Meas	0.026	0.065	0.37	2	4	17		< 20		< 2	< 10	32	< 10	16	3
OREAS 922 (AQUA REGIA) Cert	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas	0.028	0.063	0.37	< 2	4	17		< 20		< 2	< 10	33	< 10	16	3
OREAS 922 (AQUA REGIA) Cert	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas	0.028	0.061	0.37	3	4	17		< 20		< 2	< 10	33	< 10	16	4
OREAS 922 (AQUA REGIA) Cert	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas	0.022	0.060	0.35	< 2	3	14		< 20		< 2	< 10	30	< 10	16	7
OREAS 922 (AQUA REGIA) Cert	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922	0.022	0.063	0.37	2	3	15		< 20		< 2	< 10	31	< 10	16	9

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
(AQUA REGIA) Meas															
OREAS 922 (AQUA REGIA) Cert	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas	0.025	0.068	0.35	< 2	3	16		< 20		< 2	< 10	35	< 10	17	4
OREAS 922 (AQUA REGIA) Cert	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas	0.021	0.063	0.36	2	3	15		< 20		< 2	< 10	30	< 10	15	8
OREAS 922 (AQUA REGIA) Cert	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas	0.022	0.067	0.38	< 2	3	15		< 20		< 2	< 10	31	< 10	15	13
OREAS 922 (AQUA REGIA) Cert	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas	0.021	0.063	0.37	3	3	15		< 20		< 2	< 10	30	< 10	14	14
OREAS 922 (AQUA REGIA) Cert	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas	0.024	0.064	0.39	< 2	3	15		< 20		< 2	< 10	31	< 10	15	11
OREAS 922 (AQUA REGIA) Cert	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 923 (AQUA REGIA) Meas		0.061	0.67	< 2	3	15		< 20		< 2	< 10	33	< 10	14	5
OREAS 923 (AQUA REGIA) Cert		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 923 (AQUA REGIA) Meas		0.059	0.65	4	3	15		< 20		2	< 10	32	< 10	14	4
OREAS 923 (AQUA REGIA) Cert		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 923 (AQUA REGIA) Meas		0.058	0.66	4	4	15		< 20		< 2	< 10	33	< 10	15	5
OREAS 923 (AQUA REGIA) Cert		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 923 (AQUA REGIA) Meas		0.058	0.64	2	3	13		< 20		< 2	< 10	30	< 10	14	11
OREAS 923 (AQUA REGIA) Cert		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 923 (AQUA REGIA) Meas		0.060	0.67	2	3	13		< 20		< 2	< 10	31	< 10	14	10

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
OREAS 923 (AQUA REGIA) Cert		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 923 (AQUA REGIA) Meas		0.063	0.62	3	3	14		< 20		< 2	< 10	34	< 10	15	4
OREAS 923 (AQUA REGIA) Cert		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 923 (AQUA REGIA) Meas		0.063	0.67	6	3	14		< 20		< 2	< 10	30	< 10	14	26
OREAS 923 (AQUA REGIA) Cert		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 923 (AQUA REGIA) Meas		0.064	0.69	< 2	3	14		< 20		< 2	< 10	30	< 10	13	14
OREAS 923 (AQUA REGIA) Cert		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 923 (AQUA REGIA) Meas		0.059	0.67	< 2	3	13		< 20		< 2	< 10	30	< 10	13	15
OREAS 923 (AQUA REGIA) Cert		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 923 (AQUA REGIA) Meas		0.063	0.73	3	3	14		< 20		< 2	< 10	32	< 10	13	14
OREAS 923 (AQUA REGIA) Cert		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
Oreas 96 (Aqua Regia) Meas			4.07	7											
Oreas 96 (Aqua Regia) Cert			4.38	4.53											
Oreas 96 (Aqua Regia) Meas			3.99	6											
Oreas 96 (Aqua Regia) Cert			4.38	4.53											
Oreas 96 (Aqua Regia) Meas			3.55	6											
Oreas 96 (Aqua Regia) Cert			4.38	4.53											
Oreas 96 (Aqua Regia) Meas			3.88	5											
Oreas 96 (Aqua Regia) Cert			4.38	4.53											
Oreas 96 (Aqua Regia) Meas			3.93	5											
Oreas 96 (Aqua Regia) Cert			4.38	4.53											
Oreas 96 (Aqua Regia) Meas			3.93	6											
Oreas 96 (Aqua Regia) Cert			4.38	4.53											
Oreas 96 (Aqua Regia) Meas			4.01	7											
Oreas 96 (Aqua Regia) Meas			4.38	4.53											

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Regia) Cert															
Oreas 96 (Aqua Regia) Meas			4.02	6											
Oreas 96 (Aqua Regia) Cert			4.38	4.53											
Oreas 96 (Aqua Regia) Meas			4.16	6											
Oreas 96 (Aqua Regia) Cert			4.38	4.53											
Oreas 621 (Aqua Regia) Meas	0.151	0.034	4.51	101	2	18		< 20		< 2	< 10	12	< 10	6	67
Oreas 621 (Aqua Regia) Cert	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
Oreas 621 (Aqua Regia) Meas	0.160	0.033	4.56	105	2	20		< 20		4	< 10	12	< 10	6	61
Oreas 621 (Aqua Regia) Cert	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
Oreas 621 (Aqua Regia) Meas	0.147	0.032	4.22	101	2	17		< 20		< 2	< 10	11	< 10	7	56
Oreas 621 (Aqua Regia) Cert	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
Oreas 621 (Aqua Regia) Meas	0.154	0.033	4.56	98	2	17		< 20		< 2	< 10	11	< 10	7	59
Oreas 621 (Aqua Regia) Cert	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
Oreas 621 (Aqua Regia) Meas	0.162	0.034	4.21	88	2	17		< 20		< 2	< 10	12	< 10	7	60
Oreas 621 (Aqua Regia) Cert	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
Oreas 621 (Aqua Regia) Meas	0.132	0.032	4.03	93	2	16		< 20		< 2	< 10	10	< 10	6	59
Oreas 621 (Aqua Regia) Cert	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
Oreas 621 (Aqua Regia) Meas	0.147	0.034	4.47	105	2	17		< 20		< 2	< 10	11	< 10	6	64
Oreas 621 (Aqua Regia) Cert	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
Oreas 621 (Aqua Regia) Meas	0.152	0.033	4.28	102	2	17		< 20		< 2	< 10	11	< 10	6	63
Oreas 621 (Aqua Regia) Cert	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
Oreas 621 (Aqua Regia) Meas	0.162	0.034	4.73	108	2	18		< 20		< 2	< 10	11	< 10	6	65
Oreas 621 (Aqua Regia) Cert	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
OREAS 45f (Aqua Regia) Meas	0.043	0.022	0.02		26	14	0.11	< 20		< 2	< 10	203		4	16
OREAS 45f (Aqua Regia) Cert	0.0320	0.0220	0.0270		31.4	13.2	0.0970	7.67		0.120	1.09	217		6.74	30.0
OREAS 45f (Aqua Regia) Meas	0.044	0.021	0.02		26	14	0.11	< 20		< 2	< 10	201		4	16
OREAS 45f (Aqua Regia) Cert	0.0320	0.0220	0.0270		31.4	13.2	0.0970	7.67		0.120	1.09	217		6.74	30.0
OREAS 45f (Aqua Regia) Meas	0.045	0.020	0.02		25	14	0.12	< 20		< 2	< 10	197		4	13
OREAS 45f (Aqua Regia) Cert	0.0320	0.0220	0.0270		31.4	13.2	0.0970	7.67		0.120	1.09	217		6.74	30.0
OREAS 45f (Aqua	0.040	0.021	0.02		17	10	0.09	< 20		< 2	< 10	189		3	11

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Regia) Meas															
OREAS 45f (Aqua Regia) Cert	0.0320	0.0220	0.0270		31.4	13.2	0.0970	7.67		0.120	1.09	217		6.74	30.0
OREAS 45f (Aqua Regia) Meas	0.039	0.021	0.02		18	10	0.10	< 20		< 2	< 10	190		3	12
OREAS 45f (Aqua Regia) Cert	0.0320	0.0220	0.0270		31.4	13.2	0.0970	7.67		0.120	1.09	217		6.74	30.0
OREAS 45f (Aqua Regia) Meas	0.034	0.021	0.02		21	11	0.10	< 20		< 2	< 10	185		3	13
OREAS 45f (Aqua Regia) Cert	0.0320	0.0220	0.0270		31.4	13.2	0.0970	7.67		0.120	1.09	217		6.74	30.0
OREAS 45f (Aqua Regia) Meas	0.037	0.022	0.03		22	12	0.11	< 20		< 2	< 10	195		3	14
OREAS 45f (Aqua Regia) Cert	0.0320	0.0220	0.0270		31.4	13.2	0.0970	7.67		0.120	1.09	217		6.74	30.0
OREAS 45f (Aqua Regia) Meas	0.037	0.021	0.03		20	11	0.10	< 20		< 2	< 10	187		3	11
OREAS 45f (Aqua Regia) Cert	0.0320	0.0220	0.0270		31.4	13.2	0.0970	7.67		0.120	1.09	217		6.74	30.0
OREAS 45f (Aqua Regia) Meas	0.039	0.022	0.03		20	11	0.12	< 20		< 2	< 10	195		3	14
OREAS 45f (Aqua Regia) Cert	0.0320	0.0220	0.0270		31.4	13.2	0.0970	7.67		0.120	1.09	217		6.74	30.0
B412195 Orig	0.199	0.012	0.52	< 2	3	26	0.10	< 20	3	< 2	< 10	52	< 10	5	14
B412195 Dup	0.199	0.012	0.51	2	3	25	0.10	< 20	2	< 2	< 10	51	< 10	5	14
B412204 Orig	0.155	0.073	3.18	3	11	194	0.12	< 20	< 1	< 2	< 10	128	< 10	9	23
B412204 Dup	0.144	0.069	2.97	3	11	184	0.12	< 20	< 1	< 2	< 10	122	< 10	8	22
B412223 Orig	0.099	0.034	1.92	2	5	72	0.07	< 20	< 1	< 2	< 10	79	< 10	5	23
B412223 Dup	0.104	0.035	1.98	< 2	5	73	0.07	< 20	< 1	< 2	< 10	80	< 10	5	24
B412228 Orig	0.226	0.046	0.71	4	7	17	0.18	< 20	3	< 2	< 10	138	< 10	9	9
B412228 Split PREP DUP	0.225	0.047	0.35	3	7	18	0.18	< 20	5	< 2	< 10	142	< 10	9	8
B412233 Orig	0.044	0.052	1.77	4	9	9	0.21	< 20	3	< 2	< 10	168	< 10	11	11
B412233 Dup	0.045	0.051	1.77	4	10	9	0.22	< 20	5	< 2	< 10	169	< 10	11	12
B412246 Orig	0.046	0.040	0.32	7	19	11	0.15	< 20	< 1	< 2	< 10	189	< 10	5	7
B412246 Dup	0.045	0.040	0.31	8	19	11	0.15	< 20	5	< 2	< 10	186	< 10	5	7
B412260 Orig	0.122	0.036	0.19	2	5	37	0.41	< 20	6	< 2	< 10	147	< 10	8	13
B412260 Dup	0.124	0.037	0.20	2	5	39	0.43	< 20	3	< 2	< 10	152	< 10	8	16
Method Blank	0.007	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.007	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.006	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	2	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.006	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	2	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.007	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.006	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.005	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.007	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.007	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.007	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.007	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.006	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.006	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.008	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.005	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.008	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Method Blank	0.007	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.007	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1



Report No.: A21-21852-1E3
Report Date: 25-Feb-22
Date Submitted: 22-Nov-21
Your Reference: LINGMAN LAKE FALL 2021

SIGNATURE RESOURCES LTD
235 Eleventh Line
Collingwood ON L9Y5G6
Canada

ATTN: P.GEO. Walter Hanych

CERTIFICATE OF ANALYSIS

70 Core samples were submitted for analysis.

Table with 2 columns: Analytical package(s) requested, Testing Date. Row 1: 1E3-Tbay, QOP AquaGeo (Aqua Regia ICPOES), 2022-02-18 17:17:20

REPORT A21-21852-1E3

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

Notes:

Values which exceed the upper limit should be assayed for accurate numbers.

Footnote: Sample B412380 is insufficient.



LabID: 673

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CERTIFIED BY:

Handwritten signature of Emmanuel Eseme

Emmanuel Eseme, Ph.D.
Quality Control Coordinator

## Results

## Activation Laboratories Ltd.

## Report: A21-21852

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B412294	0.7	< 0.5	82	915	6	62	14	96	2.94	1940	< 10	< 10	< 0.5	< 2	2.40	40	88	5.78	< 10	< 1	0.09	15	2.11
B412295	1.4	< 0.5	58	570	8	39	24	63	1.69	6230	< 10	20	< 0.5	< 2	1.28	25	54	4.07	< 10	< 1	0.18	14	1.22
B412296	1.5	< 0.5	64	641	17	46	27	66	1.90	8150	< 10	17	< 0.5	< 2	1.48	28	62	4.83	< 10	< 1	0.16	< 10	1.37
B412297	0.8	< 0.5	141	1070	15	84	26	92	3.26	3340	< 10	< 10	< 0.5	2	2.31	46	108	8.51	< 10	< 1	0.10	15	2.50
B412298	0.9	< 0.5	82	1090	4	72	18	106	3.30	4680	< 10	< 10	< 0.5	< 2	1.90	37	103	7.72	< 10	< 1	0.13	< 10	2.56
B412299	0.3	< 0.5	71	1170	8	86	9	103	3.68	70	< 10	< 10	< 0.5	4	2.38	41	114	7.20	< 10	1	0.06	< 10	2.85
B412300	0.2	< 0.5	164	778	< 1	57	17	92	3.98	26	28	19	< 0.5	< 2	3.19	28	20	5.97	< 10	1	0.08	< 10	1.72
B412301	0.6	< 0.5	113	1070	1	86	9	92	3.36	71	< 10	< 10	< 0.5	< 2	3.42	46	121	7.32	< 10	1	0.03	< 10	2.43
B412302	0.5	0.5	79	1030	19	87	9	94	3.60	603	< 10	< 10	< 0.5	< 2	2.81	58	122	6.94	< 10	1	0.06	< 10	2.59
B412303	0.4	1.0	31	1670	2	79	11	167	5.16	455	< 10	< 10	< 0.5	3	4.22	39	143	10.1	10	< 1	0.02	< 10	4.35
B412304	0.7	< 0.5	63	813	1	53	12	105	2.29	3370	< 10	< 10	< 0.5	< 2	3.26	28	77	5.21	< 10	< 1	0.06	< 10	1.78
B412305	0.8	< 0.5	93	912	1	80	10	69	2.64	91	< 10	< 10	< 0.5	2	4.32	45	115	6.07	< 10	1	0.02	< 10	1.68
B412306	1.4	0.5	118	1080	5	84	8	96	3.47	214	< 10	< 10	< 0.5	3	3.74	45	126	7.44	10	2	0.03	< 10	2.30
B412307	1.3	< 0.5	108	997	6	78	6	90	2.81	97	< 10	< 10	< 0.5	< 2	3.06	48	120	6.23	< 10	2	0.06	< 10	2.02
B412308	2.6	0.6	174	1060	< 1	102	8	65	3.27	143	< 10	< 10	< 0.5	< 2	4.02	55	143	7.48	10	< 1	0.04	< 10	2.35
B412309	0.9	< 0.5	156	977	< 1	83	8	115	2.72	98	< 10	< 10	< 0.5	< 2	3.85	43	114	6.26	< 10	2	0.04	< 10	1.89
B412310	0.4	< 0.5	12	100	< 1	12	57	75	1.65	8	36	62	< 0.5	< 2	> 10.0	< 1	27	1.49	< 10	< 1	0.08	< 10	1.93
B412311	0.7	< 0.5	129	936	2	82	8	69	2.59	91	< 10	< 10	< 0.5	< 2	3.21	47	109	5.69	< 10	1	0.08	< 10	1.82
B412312	0.5	< 0.5	125	929	< 1	76	5	57	2.80	63	< 10	< 10	< 0.5	< 2	3.60	41	105	5.64	< 10	2	0.13	< 10	1.86
B412313	0.8	< 0.5	138	1160	< 1	99	7	67	3.34	126	< 10	< 10	< 0.5	< 2	4.16	52	139	7.31	< 10	3	0.09	< 10	2.21
B412314	0.9	< 0.5	63	1240	1	84	9	69	3.33	79	< 10	< 10	< 0.5	4	3.49	46	117	7.42	< 10	1	0.08	< 10	2.25
B412315	1.1	< 0.5	107	1120	5	85	7	86	3.19	68	< 10	< 10	< 0.5	< 2	4.92	47	126	7.12	< 10	< 1	0.10	< 10	2.36
B412316	1.2	< 0.5	122	1110	7	88	8	86	3.23	69	< 10	< 10	< 0.5	< 2	4.96	46	126	7.22	< 10	< 1	0.11	< 10	2.37
B412317	9.3	< 0.5	72	1270	14	78	17	103	3.54	3700	< 10	< 10	< 0.5	< 2	5.81	36	92	7.83	< 10	< 1	0.18	< 10	4.76
B412318	1.2	0.6	148	1380	6	94	11	120	4.23	150	< 10	< 10	< 0.5	3	6.42	53	134	9.80	< 10	1	0.13	< 10	5.18
B412319	0.4	< 0.5	82	714	4	48	6	67	2.34	48	< 10	< 10	< 0.5	3	2.83	39	90	5.08	< 10	< 1	0.13	< 10	1.59
B412320	0.5	< 0.5	168	766	1	89	14	66	3.97	14	20	19	< 0.5	< 2	3.20	31	123	5.80	< 10	1	0.08	< 10	2.24
B412321	0.6	< 0.5	244	656	3	66	10	69	2.93	15	< 10	< 10	< 0.5	< 2	2.38	48	84	6.16	< 10	< 1	0.10	< 10	2.03
B412322	0.4	< 0.5	191	560	16	37	11	58	2.17	11	< 10	< 10	< 0.5	< 2	2.09	29	68	4.10	< 10	< 1	0.10	< 10	1.36
B412331	0.5	< 0.5	59	540	24	44	6	35	1.94	2	< 10	< 10	< 0.5	< 2	2.46	23	80	3.39	< 10	< 1	0.12	< 10	1.19
B412332	0.7	< 0.5	51	669	16	54	5	41	2.09	5	< 10	14	< 0.5	< 2	3.35	25	91	3.67	< 10	< 1	0.20	< 10	1.60
B412333	0.2	< 0.5	46	641	42	82	7	50	2.95	28	< 10	20	< 0.5	< 2	2.62	38	71	4.12	< 10	< 1	0.29	< 10	1.68
B412337	0.3	< 0.5	157	695	3	114	9	79	3.41	17	< 10	12	< 0.5	< 2	2.48	44	103	5.14	< 10	2	0.22	< 10	2.01
B412338	0.5	< 0.5	170	589	4	109	9	55	2.55	12	< 10	28	< 0.5	< 2	2.01	44	93	5.88	< 10	< 1	0.62	< 10	1.71
B412339	0.2	< 0.5	48	539	17	63	16	43	2.52	20	< 10	24	< 0.5	< 2	2.04	27	62	3.37	< 10	< 1	0.39	< 10	1.39
B412340	1.6	0.7	178	773	1	53	33	129	3.90	66	25	29	< 0.5	< 2	3.28	27	23	5.68	< 10	3	0.14	< 10	1.58
B412341	0.3	< 0.5	98	449	3	51	17	46	2.31	26	< 10	35	< 0.5	< 2	1.34	24	69	3.21	< 10	< 1	0.61	< 10	1.38
B412345	0.8	< 0.5	144	882	2	82	8	62	3.41	39	< 10	29	< 0.5	< 2	3.26	44	128	5.89	< 10	2	0.77	< 10	2.17
B412346	0.8	0.8	110	509	16	55	12	43	1.90	213	< 10	15	< 0.5	< 2	1.51	29	108	3.94	< 10	< 1	0.30	< 10	1.37
B412353	0.6	< 0.5	233	802	10	133	9	78	3.55	3	< 10	60	< 0.5	< 2	2.84	51	165	6.49	< 10	3	0.95	< 10	2.35
B412354	0.8	< 0.5	142	1470	12	95	8	54	3.31	< 2	< 10	38	< 0.5	< 2	> 10.0	30	111	6.47	< 10	1	0.88	< 10	3.25
B412355	0.8	< 0.5	103	825	54	119	9	63	2.75	6	< 10	48	< 0.5	< 2	2.96	45	131	5.66	< 10	2	0.81	< 10	2.10
B412356	0.7	< 0.5	89	1000	30	121	8	68	3.18	4	< 10	47	< 0.5	< 2	4.08	44	146	5.87	< 10	< 1	0.88	< 10	2.39
B412357	0.5	< 0.5	99	677	25	103	7	55	2.49	5	< 10	38	< 0.5	< 2	2.24	42	109	4.83	< 10	< 1	0.46	< 10	1.80
B412358	0.4	< 0.5	78	665	3	85	9	54	2.45	18	< 10	32	< 0.5	< 2	2.51	37	82	4.25	< 10	< 1	0.28	< 10	1.74
B412359	0.4	< 0.5	69	763	4	81	13	61	3.14	9	< 10	70	< 0.5	2	3.44	29	80	4.78	< 10	< 1	0.73	< 10	2.13
B412360	0.5	< 0.5	165	746	1	86	14	65	3.87	14	20	18	< 0.5	< 2	3.14	30	121	5.65	< 10	< 1	0.08	< 10	2.19
B412361	1.0	< 0.5	79	516	< 1	54	13	44	1.70	< 2	< 10	61	< 0.5	< 2	1.49	23	53	3.19	< 10	< 1	0.47	< 10	1.33
B412362	1.2	< 0.5	166	572	2	70	14	63	1.57	< 2	< 10	59	< 0.5	< 2	2.18	31	54	4.02	< 10	< 1	0.43	< 10	1.29
B412363	0.9	< 0.5	89	778	76	99	18	65	2.09	9	< 10	50	< 0.5	< 2	2.57	39	92	5.07	< 10	1	0.30	< 10	1.79
B412364	1.1	< 0.5	77	794	5	50	15	59	2.37	3	< 10	61	< 0.5	< 2	4.87	27	62	4.16	< 10	< 1	0.23	< 10	1.75



Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B412365	1.1	< 0.5	131	801	1	105	8	68	3.09	3	< 10	56	< 0.5	< 2	3.12	43	108	6.06	< 10	2	0.28	< 10	2.41
B412366	1.0	< 0.5	116	831	2	90	10	64	2.88	3	< 10	37	< 0.5	< 2	3.75	39	95	5.74	< 10	1	0.21	< 10	2.26
B412367	1.9	< 0.5	71	1190	44	106	13	82	4.24	< 2	< 10	69	< 0.5	< 2	5.03	36	123	7.54	10	2	0.95	< 10	3.45
B412368	1.9	< 0.5	64	2090	8	96	6	88	3.83	4	< 10	51	< 0.5	2	> 10.0	36	116	8.20	10	2	0.56	< 10	6.05
B412369	3.2	< 0.5	88	1340	13	87	20	86	3.10	4	< 10	33	< 0.5	< 2	5.10	48	116	7.49	10	3	0.63	< 10	3.41
B412370	0.2	< 0.5	11	134	< 1	15	70	100	1.68	9	39	40	< 0.5	< 2	> 10.0	1	37	1.45	< 10	< 1	0.07	< 10	2.23
B412371	2.6	< 0.5	110	1950	2	127	4	137	4.66	4	< 10	47	< 0.5	< 2	7.86	59	192	10.5	20	3	0.16	< 10	4.43
B412372	3.6	< 0.5	123	2010	18	108	5	121	3.81	22	< 10	27	< 0.5	< 2	8.94	58	153	9.47	10	2	0.51	< 10	4.36
B412373	3.8	< 0.5	51	2900	6	60	16	88	2.84	16	< 10	48	< 0.5	< 2	> 10.0	31	83	6.46	< 10	4	1.63	< 10	6.83
B412374	4.3	< 0.5	191	1810	10	118	25	110	2.69	10	< 10	25	< 0.5	< 2	8.95	45	108	7.39	< 10	3	1.03	< 10	3.78
B412375	1.4	< 0.5	170	869	< 1	95	2	88	2.26	7	< 10	51	< 0.5	< 2	2.56	41	88	5.82	< 10	< 1	0.31	< 10	1.97
B412376	1.3	< 0.5	168	864	2	89	< 2	95	2.32	6	< 10	63	< 0.5	< 2	2.43	41	92	5.96	< 10	5	0.49	< 10	2.02
B412377	1.7	< 0.5	211	1060	101	98	< 2	109	2.25	7	< 10	29	< 0.5	< 2	3.33	32	127	5.75	< 10	< 1	0.30	< 10	2.21
B412378	0.8	< 0.5	120	667	45	34	< 2	37	1.87	3	< 10	< 10	< 0.5	< 2	2.31	26	28	4.53	< 10	< 1	0.07	< 10	1.89
B412379	0.3	< 0.5	134	503	34	56	< 2	26	2.12	4	< 10	< 10	< 0.5	< 2	2.10	21	126	3.16	< 10	< 1	0.07	< 10	1.67
B412381	0.3	< 0.5	59	660	6	52	< 2	39	2.88	8	13	< 10	< 0.5	< 2	3.60	23	78	4.22	< 10	< 1	0.10	< 10	2.61
B412382	0.5	< 0.5	68	637	119	60	< 2	45	2.66	19	< 10	< 10	< 0.5	2	2.52	31	80	4.35	< 10	< 1	0.05	< 10	2.49
B412383	1.3	< 0.5	213	403	103	50	< 2	23	2.45	3	< 10	< 10	< 0.5	< 2	2.19	22	42	2.62	< 10	< 1	0.07	< 10	1.19

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B412294	0.094	0.041	0.43	6	12	41	0.23	< 20	< 1	< 2	< 10	123	< 10	8	6
B412295	0.025	0.025	1.26	23	6	14	0.11	< 20	1	< 2	< 10	70	< 10	5	8
B412296	0.022	0.022	1.55	25	7	18	0.12	< 20	2	< 2	< 10	75	< 10	5	8
B412297	0.020	0.045	2.54	12	12	35	0.24	< 20	< 1	< 2	< 10	139	< 10	9	8
B412298	0.018	0.038	1.96	17	11	30	0.20	< 20	< 1	< 2	< 10	131	< 10	9	10
B412299	0.067	0.035	0.59	4	14	40	0.35	< 20	3	< 2	< 10	153	< 10	10	8
B412300	0.127	0.038	0.21	3	5	39	0.40	< 20	4	< 2	< 10	158	< 10	9	17
B412301	0.058	0.036	0.85	3	12	43	0.34	< 20	1	< 2	< 10	153	< 10	7	5
B412302	0.063	0.039	0.45	3	13	42	0.30	< 20	1	< 2	< 10	148	< 10	8	6
B412303	0.024	0.039	0.39	6	16	34	0.30	< 20	< 1	< 2	< 10	172	< 10	8	8
B412304	0.044	0.019	0.88	15	11	29	0.17	< 20	2	< 2	< 10	110	< 10	7	11
B412305	0.046	0.036	1.18	4	13	49	0.29	< 20	2	< 2	< 10	136	< 10	9	5
B412306	0.059	0.035	0.57	4	18	66	0.36	< 20	< 1	< 2	< 10	180	< 10	11	10
B412307	0.128	0.039	0.16	3	16	32	0.31	< 20	4	< 2	< 10	169	< 10	8	8
B412308	0.074	0.042	0.46	3	20	42	0.36	< 20	3	< 2	< 10	200	< 10	10	8
B412309	0.091	0.033	0.38	4	16	30	0.28	< 20	2	< 2	< 10	168	< 10	10	14
B412310	0.039	0.018	0.73	< 2	2	353	0.07	< 20	< 1	< 2	< 10	38	< 10	4	17
B412311	0.135	0.036	0.25	4	15	30	0.30	< 20	4	< 2	< 10	150	< 10	8	9
B412312	0.191	0.037	0.29	3	15	31	0.28	< 20	2	< 2	< 10	144	< 10	9	6
B412313	0.083	0.039	0.47	4	20	39	0.32	< 20	< 1	< 2	< 10	194	< 10	11	7
B412314	0.148	0.039	0.56	5	19	38	0.25	< 20	< 1	< 2	< 10	176	< 10	10	6
B412315	0.111	0.041	0.35	4	18	32	0.26	< 20	< 1	< 2	< 10	190	< 10	10	6
B412316	0.115	0.043	0.47	4	18	32	0.25	< 20	< 1	< 2	< 10	190	< 10	10	6
B412317	0.017	0.029	5.07	12	14	36	0.19	< 20	< 1	< 2	< 10	138	< 10	6	10
B412318	0.035	0.040	4.77	5	21	41	0.32	< 20	< 1	< 2	< 10	197	< 10	8	9
B412319	0.226	0.041	0.23	3	16	26	0.23	< 20	2	< 2	< 10	132	< 10	11	5
B412320	0.052	0.035	0.26	3	6	41	0.38	< 20	< 1	< 2	< 10	149	< 10	8	14
B412321	0.248	0.036	0.58	3	15	25	0.22	< 20	3	< 2	< 10	126	< 10	8	7
B412322	0.197	0.029	0.32	< 2	12	26	0.18	< 20	1	< 2	< 10	97	< 10	8	9
B412331	0.157	0.041	0.17	< 2	11	41	0.30	< 20	3	< 2	< 10	87	< 10	10	9
B412332	0.167	0.032	0.14	3	9	41	0.25	< 20	4	< 2	< 10	81	< 10	9	6
B412333	0.280	0.029	0.10	< 2	11	59	0.25	< 20	2	< 2	< 10	89	< 10	8	5
B412337	0.295	0.035	0.39	3	12	52	0.30	< 20	2	< 2	< 10	108	< 10	9	5
B412338	0.228	0.031	1.47	2	11	28	0.25	< 20	1	< 2	< 10	109	< 10	9	9
B412339	0.268	0.021	0.09	2	9	35	0.19	< 20	< 1	< 2	< 10	75	< 10	8	23
B412340	0.267	0.039	0.38	3	7	63	0.38	< 20	3	< 2	< 10	145	24	9	20
B412341	0.195	0.016	0.26	< 2	9	29	0.17	20	< 1	< 2	10	75	< 10	8	36
B412345	0.272	0.034	0.27	3	15	49	0.29	< 20	< 1	< 2	< 10	130	< 10	9	7
B412346	0.148	0.023	1.02	3	11	30	0.20	< 20	2	< 2	< 10	102	< 10	7	16
B412353	0.296	0.040	0.70	3	15	46	0.26	< 20	3	< 2	< 10	127	< 10	9	9
B412354	0.095	0.130	1.65	2	10	95	0.19	< 20	< 1	< 2	< 10	103	< 10	9	7
B412355	0.197	0.032	1.17	2	11	43	0.27	< 20	4	< 2	< 10	114	< 10	8	13
B412356	0.203	0.033	1.06	3	12	53	0.27	< 20	2	< 2	< 10	120	< 10	8	12
B412357	0.215	0.029	0.68	< 2	11	39	0.25	< 20	3	< 2	< 10	104	< 10	8	9
B412358	0.233	0.028	0.32	< 2	11	43	0.20	< 20	< 1	< 2	< 10	97	< 10	8	12
B412359	0.185	0.025	0.19	< 2	11	60	0.22	< 20	< 1	< 2	< 10	99	< 10	7	17
B412360	0.051	0.034	0.25	3	6	40	0.37	< 20	3	< 2	< 10	146	< 10	8	14
B412361	0.172	0.019	0.12	< 2	8	24	0.19	< 20	< 1	< 2	< 10	70	< 10	7	18
B412362	0.165	0.020	0.74	< 2	8	25	0.21	< 20	5	< 2	< 10	69	< 10	7	10
B412363	0.182	0.033	0.85	< 2	11	35	0.24	< 20	2	< 2	< 10	106	< 10	7	10
B412364	0.384	0.021	0.28	< 2	10	91	0.17	< 20	4	< 2	< 10	76	< 10	8	17

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B412365	0.409	0.035	0.30	3	14	42	0.18	< 20	< 1	< 2	< 10	131	< 10	8	8
B412366	0.385	0.032	0.46	2	13	43	0.18	< 20	2	< 2	< 10	116	< 10	8	12
B412367	0.187	0.034	0.96	3	16	121	0.21	< 20	4	< 2	< 10	165	< 10	9	17
B412368	0.024	0.032	1.43	3	18	199	0.15	< 20	< 1	< 2	< 10	179	< 10	11	9
B412369	0.060	0.047	2.38	3	21	111	0.16	< 20	< 1	< 2	< 10	194	< 10	12	22
B412370	0.028	0.019	0.91	< 2	3	402	0.08	< 20	1	< 2	< 10	51	< 10	7	4
B412371	0.031	0.054	1.42	4	31	170	0.11	< 20	< 1	< 2	< 10	283	12	11	11
B412372	0.043	0.039	3.15	4	22	204	0.12	< 20	< 1	< 2	< 10	213	< 10	7	13
B412373	0.026	0.071	3.54	3	9	191	0.16	< 20	6	< 2	< 10	67	< 10	7	8
B412374	0.116	0.039	4.01	< 2	15	105	0.26	< 20	2	< 2	< 10	125	< 10	9	10
B412375	0.311	0.044	1.11	2	13	41	0.29	< 20	2	< 2	< 10	110	< 10	9	10
B412376	0.290	0.042	1.13	< 2	14	40	0.30	< 20	< 1	< 2	< 10	117	< 10	10	10
B412377	0.304	0.041	1.25	< 2	16	66	0.31	< 20	< 1	< 2	< 10	99	< 10	9	13
B412378	0.197	0.035	0.35	< 2	17	37	0.29	< 20	2	< 2	< 10	124	< 10	10	11
B412379	0.204	0.029	0.05	< 2	9	29	0.19	< 20	< 1	< 2	< 10	75	< 10	6	8
B412381	0.131	0.019	0.10	< 2	12	42	0.18	< 20	< 1	< 2	< 10	94	< 10	5	6
B412382	0.119	0.021	0.26	< 2	10	30	0.14	< 20	< 1	< 2	< 10	88	< 10	4	4
B412383	0.310	0.020	0.10	< 2	7	34	0.16	< 20	< 1	< 2	< 10	59	< 10	4	4

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2		0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas	0.4	< 0.5	71	1100	1	24	94	123	6.22	227	< 10	759	0.8	3	0.10	12	79	6.31	20	< 1	1.05	< 10	0.42
GXR-6 Cert	1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9	0.609
GXR-6 Meas	0.3	< 0.5	68	1090	< 1	23	93	122	6.01	221	< 10	750	0.8	3	0.10	12	80	6.02	20	3	0.96	< 10	0.40
GXR-6 Cert	1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9	0.609
GXR-6 Meas	0.3	< 0.5	72	1080	1	24	106	130	7.24	225	< 10	808	0.9	< 2	0.14	11	82	5.70	20	2	1.00	< 10	0.39
GXR-6 Cert	1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9	0.609
GXR-6 Meas	0.4	< 0.5	68	1040	< 1	24	102	123	6.82	225	< 10	767	0.9	3	0.14	10	78	5.41	10	< 1	0.95	< 10	0.37
GXR-6 Cert	1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9	0.609
GXR-6 Meas	0.3	< 0.5	69	1060	< 1	24	102	125	7.00	213	< 10	774	0.9	3	0.14	10	81	5.54	20	2	1.00	< 10	0.38
GXR-6 Cert	1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9	0.609
OREAS 98 (Aqua Regia) Meas	46.2		> 10000				255	1300						7		122							
OREAS 98 (Aqua Regia) Cert	42.8		147000				343	1300						90		111							
OREAS 98 (Aqua Regia) Meas	44.8		> 10000				250	1260						< 2		119							
OREAS 98 (Aqua Regia) Cert	42.8		147000				343	1300						90		111							
OREAS 98 (Aqua Regia) Meas	44.1		> 10000				287	1230						89		111							
OREAS 98 (Aqua Regia) Cert	42.8		147000				343	1300						93		111							
OREAS 98 (Aqua Regia) Meas	43.3		> 10000				285	1210						103		112							
OREAS 98 (Aqua Regia) Cert	42.8		147000				343	1300						92.8		111							
OREAS 98 (Aqua Regia) Meas	43.5		> 10000				286	1200						85		111							
OREAS 98 (Aqua Regia) Cert	42.8		147000				343	1300						93		111							
OREAS 922 (AQUA REGIA) Meas	0.8	< 0.5	2120	783	< 1	34	61	246	2.72	6		70	0.7	7	0.32	17	43	5.26	< 10		0.38	32	1.28
OREAS 922 (AQUA REGIA) Cert	0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5	1.33
OREAS 922 (AQUA REGIA) Meas	0.8	< 0.5	2160	807	< 1	35	62	255	2.76	7		70	0.7	10	0.33	17	44	5.37	< 10		0.40	33	1.31
OREAS 922 (AQUA REGIA) Cert	0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5	1.33
OREAS 922 (AQUA REGIA) Meas	0.7	< 0.5	2120	769	< 1	33	66	262	2.71	5		68	0.7	9	0.37	17	45	4.88	< 10		0.38	33	1.27
OREAS 922 (AQUA REGIA) Cert	0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5	1.33
OREAS 922 (AQUA REGIA) Meas	0.8	< 0.5	2330	816	< 1	37	69	273	2.90	7		71	0.8	10	0.39	18	48	5.31	< 10		0.41	36	1.38
OREAS 922 (AQUA REGIA) Cert	0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5	1.33
OREAS 923 (AQUA REGIA) Meas	1.6	< 0.5	4220	901	< 1	33	85	334	2.87	8		59	0.6	17	0.33	19	40	6.23	< 10		0.37	30	1.42
OREAS 923	1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0	1.43

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
(AQUA REGIA) Cert																							
OREAS 923 (AQUA REGIA) Meas	1.7	< 0.5	4340	919	< 1	34	80	338	2.93	7		57	0.6	19	0.33	21	43	6.38	< 10		0.37	30	1.47
OREAS 923 (AQUA REGIA) Cert	1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0	1.43
OREAS 923 (AQUA REGIA) Meas	1.7	< 0.5	4530	907	< 1	33	92	356	2.90	6		58	0.7	30	0.38	21	43	6.00	< 10		0.34	32	1.44
OREAS 923 (AQUA REGIA) Cert	1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0	1.43
OREAS 923 (AQUA REGIA) Meas	1.9	< 0.5	4580	931	< 1	34	90	362	2.92	6		59	0.7	33	0.39	21	46	6.10	< 10		0.35	32	1.46
OREAS 923 (AQUA REGIA) Cert	1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0	1.43
OREAS 923 (AQUA REGIA) Meas	1.7	< 0.5	4880	922	< 1	35	95	354	2.95	8		61	0.7	29	0.40	21	45	6.16	< 10		0.37	32	1.46
OREAS 923 (AQUA REGIA) Cert	1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0	1.43
Oreas 96 (Aqua Regia) Meas	11.7		> 10000				83	435						< 2		52							
Oreas 96 (Aqua Regia) Cert	11.50		39100. 00				100	448						27.9		49.2							
Oreas 96 (Aqua Regia) Meas	11.6		> 10000				84	436						< 2		51							
Oreas 96 (Aqua Regia) Cert	11.50		39100. 00				100	448						27.9		49.2							
Oreas 96 (Aqua Regia) Meas	11.5		> 10000				105	438						111		48							
Oreas 96 (Aqua Regia) Cert	11.50		39100. 00				100	448						27.9		49.2							
Oreas 96 (Aqua Regia) Meas	11.5		> 10000				106	434						93		48							
Oreas 96 (Aqua Regia) Cert	11.50		39100. 00				100	448						27.9		49.2							
Oreas 96 (Aqua Regia) Meas	11.6		> 10000				105	432						93		50							
Oreas 96 (Aqua Regia) Cert	11.50		39100. 00				100	448						27.9		49.2							
Oreas 621 (Aqua Regia) Meas	62.3	273	3280	538	13	25	> 5000	> 10000	1.57	74			0.6	< 2	1.49	32	29	3.28	< 10	4	0.29	20	0.41
Oreas 621 (Aqua Regia) Cert	68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4	0.436
Oreas 621 (Aqua Regia) Meas	61.9	280	3330	539	14	24	> 5000	> 10000	1.63	74			0.6	< 2	1.50	32	30	3.29	< 10	4	0.32	19	0.41
Oreas 621 (Aqua Regia) Cert	68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4	0.436
Oreas 621 (Aqua Regia) Meas	69.8	287	3640	550	13	25	> 5000	> 10000	1.70	79			0.6	13	1.62	33	32	3.32	< 10	4	0.32	18	0.43
Oreas 621 (Aqua Regia) Cert	68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4	0.436
Oreas 621 (Aqua Regia) Meas	69.0	284	3580	546	13	26	> 5000	> 10000	1.66	75			0.6	12	1.60	35	34	3.30	< 10	4	0.31	18	0.42

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Oreas 621 (Aqua Regia) Cert	68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4	0.436
Oreas 621 (Aqua Regia) Meas	68.3	272	3520	543	14	25	> 5000	> 10000	1.70	75			0.6	11	1.59	33	32	3.23	< 10	4	0.32	18	0.42
Oreas 621 (Aqua Regia) Cert	68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4	0.436
OREAS 45f (Aqua Regia) Meas			376	177	< 1	261	6	29	6.62			141	1.0	< 2	0.05	41	362	14.1	30	< 1	0.12	< 10	0.19
OREAS 45f (Aqua Regia) Cert			336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750	39.2	341	13.7	20.3	0.0310	0.0820	10.7	0.152
OREAS 45f (Aqua Regia) Meas			366	177	< 1	261	6	28	6.43			139	1.0	< 2	0.05	43	365	13.8	20	< 1	0.11	< 10	0.19
OREAS 45f (Aqua Regia) Cert			336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750	39.2	341	13.7	20.3	0.0310	0.0820	10.7	0.152
OREAS 45f (Aqua Regia) Meas			384	178	< 1	240	26	26	6.99			138	1.1	3	0.07	35	383	15.0	20	< 1	0.09	10	0.18
OREAS 45f (Aqua Regia) Cert			336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750	39.2	341	13.7	20.3	0.0310	0.0820	10.7	0.152
OREAS 45f (Aqua Regia) Meas			386	178	< 1	241	28	26	6.90			138	1.1	< 2	0.07	35	383	15.1	20	< 1	0.09	< 10	0.18
OREAS 45f (Aqua Regia) Cert			336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750	39.2	341	13.7	20.3	0.0310	0.0820	10.7	0.152
OREAS 45f (Aqua Regia) Meas			387	182	< 1	251	26	27	7.48			140	1.1	< 2	0.07	36	380	15.1	20	< 1	0.10	< 10	0.18
OREAS 45f (Aqua Regia) Cert			336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750	39.2	341	13.7	20.3	0.0310	0.0820	10.7	0.152
B412303 Orig	0.4	0.9	31	1680	2	79	10	167	5.19	457	< 10	< 10	< 0.5	3	4.24	38	144	10.2	10	< 1	0.02	< 10	4.37
B412303 Dup	0.5	1.1	31	1660	2	80	13	167	5.12	453	< 10	< 10	< 0.5	2	4.19	40	143	10.1	10	2	0.02	< 10	4.33
B412317 Orig	10.0	< 0.5	72	1270	14	79	17	103	3.54	3710	< 10	< 10	< 0.5	< 2	5.81	37	93	7.83	< 10	< 1	0.18	< 10	4.76
B412317 Dup	8.6	< 0.5	72	1270	14	77	16	104	3.54	3690	< 10	< 10	< 0.5	< 2	5.80	36	92	7.83	< 10	< 1	0.17	< 10	4.76
B412339 Split PREP DUP	< 0.2	< 0.5	55	583	27	75	4	46	2.63	18	< 10	30	< 0.5	< 2	2.27	28	62	3.77	< 10	< 1	0.45	< 10	1.49
B412341 Orig	0.3	< 0.5	99	453	3	51	16	46	2.31	29	< 10	35	< 0.5	< 2	1.35	24	70	3.23	< 10	< 1	0.62	< 10	1.39
B412341 Dup	0.3	< 0.5	97	446	3	51	18	46	2.31	24	< 10	35	< 0.5	< 2	1.33	23	69	3.19	< 10	< 1	0.61	< 10	1.38
B412364 Orig	1.0	< 0.5	75	788	5	49	16	58	2.32	3	< 10	59	< 0.5	< 2	4.83	26	62	4.07	< 10	< 1	0.23	< 10	1.71
B412364 Dup	1.3	< 0.5	79	799	5	52	15	60	2.41	4	< 10	62	< 0.5	< 2	4.92	27	63	4.26	< 10	< 1	0.24	< 10	1.78
B412381 Orig	0.3	< 0.5	59	658	6	51	< 2	38	2.84	9	12	< 10	< 0.5	< 2	3.55	21	77	4.19	< 10	< 1	0.10	< 10	2.60
B412381 Dup	0.3	< 0.5	60	662	6	52	< 2	40	2.92	7	13	< 10	< 0.5	< 2	3.65	24	79	4.24	< 10	< 1	0.10	< 10	2.61
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas	0.077	0.034	0.01	3	16	26		< 20	< 1	< 2	< 10	164	< 10	4	8
GXR-6 Cert	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
GXR-6 Meas	0.069	0.034	0.01	3	16	25		< 20	< 1	< 2	< 10	163	< 10	4	8
GXR-6 Cert	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
GXR-6 Meas	0.124	0.034	0.01	< 2	19	33		< 20	< 1	< 2	< 10	163	< 10	4	10
GXR-6 Cert	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
GXR-6 Meas	0.122	0.033	0.01	4	19	32		< 20	< 1	< 2	< 10	158	< 10	4	10
GXR-6 Cert	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
GXR-6 Meas	0.124	0.033	0.01	3	19	33		< 20	< 1	< 2	< 10	163	< 10	4	8
GXR-6 Cert	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
OREAS 98 (Aqua Regia) Meas				17											
OREAS 98 (Aqua Regia) Cert				15											
OREAS 98 (Aqua Regia) Meas				16											
OREAS 98 (Aqua Regia) Cert				15											
OREAS 98 (Aqua Regia) Meas				19											
OREAS 98 (Aqua Regia) Cert				15											
OREAS 98 (Aqua Regia) Meas				19											
OREAS 98 (Aqua Regia) Cert				15											
OREAS 98 (Aqua Regia) Meas				20											
OREAS 98 (Aqua Regia) Cert				15											
OREAS 922 (AQUA REGIA) Meas	0.023	0.062	0.35	< 2	3	16		< 20		< 2	< 10	32	< 10	16	4
OREAS 922 (AQUA REGIA) Cert	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas	0.024	0.064	0.37	< 2	3	16		< 20		< 2	< 10	33	< 10	16	4
OREAS 922 (AQUA REGIA) Cert	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas	0.025	0.060	0.35	2	3	16		< 20		< 2	< 10	32	< 10	15	5
OREAS 922 (AQUA REGIA) Cert	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas	0.026	0.065	0.39	4	4	17		< 20		< 2	< 10	34	< 10	16	5
OREAS 922 (AQUA REGIA) Cert	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 923 (AQUA REGIA) Meas		0.059	0.67	< 2	3	14		< 20		< 2	< 10	32	< 10	14	5
OREAS 923		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
(AQUA REGIA) Cert															
OREAS 923 (AQUA REGIA) Meas		0.061	0.70	< 2	3	14		< 20		< 2	< 10	33	< 10	14	5
OREAS 923 (AQUA REGIA) Cert		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 923 (AQUA REGIA) Meas		0.060	0.68	3	3	15		< 20		< 2	< 10	33	< 10	14	7
OREAS 923 (AQUA REGIA) Cert		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 923 (AQUA REGIA) Meas		0.062	0.70	3	4	15		< 20		< 2	< 10	34	< 10	15	8
OREAS 923 (AQUA REGIA) Cert		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 923 (AQUA REGIA) Meas		0.061	0.72	3	4	15		< 20		< 2	< 10	35	< 10	15	5
OREAS 923 (AQUA REGIA) Cert		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
Oreas 96 (Aqua Regia) Meas			3.76	5											
Oreas 96 (Aqua Regia) Cert			4.38	4.53											
Oreas 96 (Aqua Regia) Meas			3.94	6											
Oreas 96 (Aqua Regia) Cert			4.38	4.53											
Oreas 96 (Aqua Regia) Meas			4.09	8											
Oreas 96 (Aqua Regia) Cert			4.38	4.53											
Oreas 96 (Aqua Regia) Meas			4.18	7											
Oreas 96 (Aqua Regia) Cert			4.38	4.53											
Oreas 96 (Aqua Regia) Meas			3.58	6											
Oreas 96 (Aqua Regia) Cert			4.38	4.53											
Oreas 621 (Aqua Regia) Meas	0.154	0.032	4.76	102	2	19		< 20		< 2	< 10	11	< 10	7	56
Oreas 621 (Aqua Regia) Cert	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
Oreas 621 (Aqua Regia) Meas	0.162	0.032	4.86	100	2	19		< 20		< 2	< 10	12	13	7	48
Oreas 621 (Aqua Regia) Cert	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
Oreas 621 (Aqua Regia) Meas	0.154	0.033	4.67	104	2	19		< 20		< 2	< 10	12	< 10	6	70
Oreas 621 (Aqua Regia) Cert	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
Oreas 621 (Aqua Regia) Meas	0.154	0.034	4.67	109	2	19		< 20		< 2	< 10	12	< 10	6	71



Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Oreas 621 (Aqua Regia) Cert	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
Oreas 621 (Aqua Regia) Meas	0.157	0.033	4.42	104	2	19		< 20		< 2	< 10	12	< 10	6	65
Oreas 621 (Aqua Regia) Cert	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
OREAS 45f (Aqua Regia) Meas	0.046	0.022	0.02		22	11	0.11	< 20		< 2	< 10	206		3	15
OREAS 45f (Aqua Regia) Cert	0.0320	0.0220	0.0270		31.4	13.2	0.0970	7.67		0.120	1.09	217		6.74	30.0
OREAS 45f (Aqua Regia) Meas	0.044	0.021	0.02		21	11	0.11	< 20		< 2	< 10	206		4	16
OREAS 45f (Aqua Regia) Cert	0.0320	0.0220	0.0270		31.4	13.2	0.0970	7.67		0.120	1.09	217		6.74	30.0
OREAS 45f (Aqua Regia) Meas	0.045	0.022	0.02		29	15	0.12	< 20		< 2	< 10	212		5	21
OREAS 45f (Aqua Regia) Cert	0.0320	0.0220	0.0270		31.4	13.2	0.0970	7.67		0.120	1.09	217		6.74	30.0
OREAS 45f (Aqua Regia) Meas	0.046	0.022	0.02		29	15	0.12	< 20		< 2	< 10	213		5	21
OREAS 45f (Aqua Regia) Cert	0.0320	0.0220	0.0270		31.4	13.2	0.0970	7.67		0.120	1.09	217		6.74	30.0
OREAS 45f (Aqua Regia) Meas	0.048	0.021	0.02		28	15	0.13	< 20		< 2	< 10	212		4	18
OREAS 45f (Aqua Regia) Cert	0.0320	0.0220	0.0270		31.4	13.2	0.0970	7.67		0.120	1.09	217		6.74	30.0
B412303 Orig	0.024	0.039	0.39	6	17	34	0.31	< 20	< 1	< 2	< 10	172	< 10	8	8
B412303 Dup	0.024	0.039	0.39	5	16	34	0.30	< 20	< 1	< 2	< 10	171	< 10	8	7
B412317 Orig	0.017	0.029	5.11	12	14	37	0.19	< 20	2	< 2	< 10	138	< 10	6	10
B412317 Dup	0.018	0.029	5.02	12	14	36	0.18	< 20	< 1	< 2	< 10	137	< 10	6	10
B412339 Split PREP DUP	0.276	0.026	0.12	< 2	8	41	0.19	< 20	< 1	< 2	< 10	75	< 10	7	8
B412341 Orig	0.196	0.016	0.26	< 2	9	29	0.17	20	3	< 2	10	75	< 10	8	36
B412341 Dup	0.194	0.016	0.26	< 2	9	29	0.17	20	< 1	< 2	11	75	< 10	8	36
B412364 Orig	0.377	0.021	0.28	3	10	90	0.17	< 20	5	< 2	< 10	75	< 10	8	17
B412364 Dup	0.392	0.021	0.28	< 2	10	92	0.17	< 20	3	< 2	< 10	77	< 10	8	18
B412381 Orig	0.131	0.018	0.09	< 2	12	42	0.18	< 20	< 1	< 2	< 10	93	< 10	5	5
B412381 Dup	0.132	0.019	0.10	< 2	12	43	0.18	< 20	2	< 2	< 10	95	< 10	5	6
Method Blank	0.006	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.005	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.006	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.005	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.006	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.005	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.007	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.006	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.006	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1



Report No.: A21-21854-1E3
Report Date: 25-Feb-22
Date Submitted: 22-Nov-21
Your Reference: LINGMAN LAKE FALL 2021

SIGNATURE RESOURCES LTD
235 Eleventh Line
Collingwood ON L9Y5G6
Canada

ATTN: P.GEO. Walter Hanych

CERTIFICATE OF ANALYSIS

43 Core samples were submitted for analysis.

Table with 2 columns: The following analytical package(s) were requested: and Testing Date:
1E3-Tbay | QOP AquaGeo (Aqua Regia ICPOES) | 2022-02-20 13:15:38

REPORT A21-21854-1E3

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

Notes:

Values which exceed the upper limit should be assayed for accurate numbers.



LabID: 673

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CERTIFIED BY:

Handwritten signature of Emmanuel Eseme

Emmanuel Eseme, Ph.D.
Quality Control Coordinator

## Results

## Activation Laboratories Ltd.

## Report: A21-21854

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B412271	0.3	< 0.5	193	1670	3	147	< 2	54	4.22	2820	< 10	< 10	< 0.5	< 2	0.17	72	226	11.6	10	< 1	0.07	< 10	2.59
B412272	0.6	< 0.5	295	986	6	85	2	71	2.58	120	< 10	12	< 0.5	6	2.46	43	101	7.29	< 10	1	0.12	< 10	1.84
B412273	0.5	< 0.5	211	670	< 1	53	< 2	46	1.36	42	< 10	< 10	< 0.5	< 2	2.70	40	101	4.42	< 10	< 1	0.07	< 10	1.27
B412274	0.4	< 0.5	193	726	4	47	< 2	46	1.38	39	< 10	< 10	< 0.5	< 2	2.82	38	101	4.52	< 10	< 1	0.07	< 10	1.29
B412275	0.9	< 0.5	366	779	6	58	< 2	56	1.93	44	< 10	20	< 0.5	< 2	2.63	45	100	5.45	< 10	< 1	0.15	< 10	1.58
B412276	0.6	< 0.5	263	827	2	55	< 2	60	1.98	38	< 10	16	< 0.5	< 2	2.92	41	101	5.64	< 10	< 1	0.14	< 10	1.67
B412277	0.5	0.6	175	963	2	95	< 2	54	2.39	302	< 10	22	< 0.5	< 2	3.25	47	157	6.28	< 10	3	0.14	< 10	1.94
B412278	1.0	< 0.5	276	815	3	118	< 2	83	4.10	142	< 10	< 10	< 0.5	< 2	0.95	58	126	9.08	10	< 1	0.05	< 10	3.97
B412279	0.6	< 0.5	278	765	3	80	< 2	63	2.67	43	< 10	< 10	< 0.5	< 2	1.85	65	64	7.40	< 10	1	0.07	< 10	2.33
B412280	1.2	< 0.5	137	739	3	121	16	73	3.06	34	31	34	< 0.5	< 2	2.83	26	294	5.69	< 10	< 1	0.13	< 10	2.78
B412281	0.4	< 0.5	171	711	3	120	< 2	55	2.16	63	< 10	11	< 0.5	< 2	2.32	46	231	5.42	< 10	< 1	0.10	< 10	2.07
B412282	< 0.2	< 0.5	14	455	< 1	192	< 2	41	1.89	183	< 10	18	< 0.5	< 2	1.48	47	418	2.63	< 10	< 1	0.15	11	2.22
B412283	< 0.2	< 0.5	44	527	< 1	193	< 2	47	2.06	145	< 10	12	< 0.5	< 2	1.74	46	467	3.04	< 10	< 1	0.10	11	2.42
B412284	< 0.2	< 0.5	30	476	< 1	182	< 2	46	2.11	101	< 10	29	< 0.5	< 2	1.38	42	502	3.14	< 10	< 1	0.28	12	2.42
B412285	0.6	< 0.5	183	882	5	96	< 2	66	2.22	134	< 10	< 10	< 0.5	< 2	4.41	43	140	5.57	< 10	1	0.08	< 10	2.22
B412286	1.0	< 0.5	442	1020	32	84	< 2	79	2.40	101	< 10	< 10	< 0.5	2	4.83	48	68	6.93	< 10	2	0.08	< 10	2.15
B412287	0.7	< 0.5	220	898	6	71	< 2	75	2.39	23	< 10	11	< 0.5	< 2	2.71	43	64	6.70	< 10	2	0.14	< 10	1.89
B412288	1.2	< 0.5	276	747	5	33	< 2	54	1.62	35	< 10	< 10	< 0.5	< 2	2.31	33	17	5.39	< 10	< 1	0.06	< 10	1.15
B412289	1.6	< 0.5	187	1360	1	93	< 2	108	3.29	54	< 10	< 10	< 0.5	< 2	5.52	43	136	8.12	< 10	3	0.03	< 10	2.95
B412290	0.2	< 0.5	11	134	1	14	69	99	1.81	9	41	38	< 0.5	< 2	> 10.0	1	34	1.56	< 10	< 1	0.08	< 10	2.32
B412291	0.6	< 0.5	122	1190	9	81	< 2	97	3.21	48	< 10	< 10	< 0.5	< 2	3.53	38	121	7.56	< 10	2	0.04	< 10	2.80
B412292	1.0	< 0.5	102	1580	2	109	4	112	3.75	74	< 10	< 10	< 0.5	< 2	5.90	46	123	8.18	10	4	0.04	< 10	3.49
B412293	0.5	< 0.5	99	1270	< 1	76	< 2	90	3.00	38	< 10	< 10	< 0.5	< 2	5.92	32	102	6.66	< 10	3	0.01	< 10	2.55
B412323	0.3	< 0.5	133	673	2	45	< 2	55	2.48	13	< 10	< 10	< 0.5	< 2	2.62	31	73	4.86	< 10	< 1	0.12	< 10	1.57
B412324	0.3	< 0.5	134	767	2	56	3	70	2.72	20	< 10	< 10	< 0.5	< 2	2.09	44	98	6.16	< 10	1	0.10	< 10	1.87
B412325	0.4	< 0.5	135	610	3	42	< 2	45	2.04	6	< 10	< 10	< 0.5	< 2	2.26	27	65	4.29	< 10	< 1	0.09	< 10	1.39
B412326	0.3	< 0.5	111	645	3	39	< 2	46	2.12	6	< 10	< 10	< 0.5	< 2	2.34	25	66	4.42	< 10	< 1	0.10	< 10	1.44
B412327	0.3	< 0.5	91	614	7	40	< 2	50	1.87	4	< 10	< 10	< 0.5	< 2	2.88	23	70	3.93	< 10	< 1	0.08	< 10	1.26
B412328	0.4	< 0.5	115	624	6	46	< 2	49	1.96	4	< 10	16	< 0.5	< 2	2.11	26	74	4.41	< 10	< 1	0.20	< 10	1.48
B412329	0.8	< 0.5	127	716	7	46	< 2	52	2.08	2	< 10	14	< 0.5	< 2	2.27	28	70	4.95	< 10	< 1	0.17	< 10	1.55
B412330	0.2	< 0.5	11	132	1	14	70	100	1.76	10	40	38	< 0.5	< 2	> 10.0	2	34	1.53	< 10	< 1	0.06	< 10	2.33
B412334	< 0.2	< 0.5	43	557	31	71	9	41	2.37	32	< 10	13	< 0.5	< 2	2.04	29	59	3.43	< 10	< 1	0.19	< 10	1.32
B412335	0.2	< 0.5	132	547	2	77	< 2	45	2.45	25	< 10	10	< 0.5	< 2	1.92	36	62	3.97	< 10	< 1	0.14	< 10	1.54
B412336	< 0.2	< 0.5	94	559	4	81	3	44	2.48	17	< 10	< 10	< 0.5	< 2	2.02	31	67	4.06	< 10	< 1	0.13	< 10	1.59
B412342	< 0.2	< 0.5	47	747	5	110	3	65	3.76	44	< 10	43	< 0.5	< 2	2.79	41	178	5.05	< 10	4	0.97	< 10	2.32
B412343	0.7	< 0.5	44	678	11	56	12	65	2.30	119	< 10	30	< 0.5	< 2	2.04	27	109	4.45	< 10	< 1	0.99	11	1.52
B412344	0.5	< 0.5	26	1140	21	99	5	87	3.32	69	< 10	45	< 0.5	< 2	4.40	40	165	6.40	10	1	1.35	< 10	2.67
B412347	0.5	< 0.5	75	630	6	65	4	53	2.72	13	< 10	40	< 0.5	< 2	1.78	27	112	4.47	< 10	< 1	0.53	< 10	1.82
B412348	0.4	< 0.5	124	729	32	67	4	52	2.69	9	< 10	35	< 0.5	< 2	2.52	29	113	4.68	< 10	< 1	0.52	< 10	1.80
B412349	0.3	< 0.5	60	577	6	48	8	51	2.13	7	< 10	26	< 0.5	< 2	1.64	21	79	3.58	< 10	< 1	0.45	< 10	1.57
B412350	< 0.2	< 0.5	11	129	< 1	16	69	98	1.70	9	39	47	< 0.5	< 2	> 10.0	1	36	1.47	< 10	< 1	0.06	< 10	2.27
B412351	0.6	< 0.5	146	742	8	99	< 2	67	2.76	6	< 10	66	< 0.5	< 2	2.36	41	151	5.62	< 10	< 1	0.74	< 10	2.12
B412352	0.9	< 0.5	88	1200	8	121	3	77	3.19	5	< 10	53	< 0.5	< 2	5.71	55	149	6.87	< 10	2	1.22	< 10	3.06

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B412271	0.030	0.023	0.84	4	23	6	0.15	< 20	< 1	< 2	< 10	241	15	8	10
B412272	0.169	0.033	0.53	3	11	24	0.21	< 20	< 1	< 2	< 10	134	< 10	8	7
B412273	0.183	0.033	0.11	2	9	23	0.19	< 20	< 1	< 2	< 10	87	< 10	7	5
B412274	0.187	0.034	0.09	3	8	21	0.20	< 20	3	< 2	< 10	87	< 10	7	6
B412275	0.199	0.036	0.17	< 2	9	22	0.21	< 20	< 1	< 2	< 10	106	< 10	7	6
B412276	0.235	0.036	0.11	< 2	10	25	0.24	< 20	3	< 2	< 10	107	< 10	8	7
B412277	0.191	0.037	0.66	2	10	30	0.20	< 20	< 1	< 2	< 10	116	< 10	7	8
B412278	0.075	0.036	0.97	3	12	13	0.30	< 20	< 1	< 2	< 10	190	< 10	8	10
B412279	0.176	0.042	1.24	2	8	19	0.27	< 20	3	< 2	< 10	116	< 10	8	10
B412280	0.062	0.038	0.49	2	8	39	0.36	< 20	3	< 2	< 10	150	< 10	9	14
B412281	0.165	0.048	0.72	3	8	31	0.23	< 20	< 1	< 2	< 10	97	< 10	6	11
B412282	0.117	0.049	0.01	< 2	5	38	0.14	< 20	< 1	< 2	< 10	53	< 10	4	2
B412283	0.124	0.052	0.01	< 2	5	57	0.15	< 20	< 1	< 2	< 10	56	< 10	4	2
B412284	0.135	0.056	< 0.01	< 2	5	40	0.18	< 20	< 1	< 2	< 10	61	< 10	4	4
B412285	0.159	0.036	0.40	< 2	8	49	0.23	< 20	< 1	< 2	< 10	103	< 10	7	8
B412286	0.129	0.030	1.03	2	8	48	0.24	< 20	1	< 2	< 10	117	< 10	7	9
B412287	0.228	0.038	0.42	3	10	30	0.28	< 20	1	< 2	< 10	129	< 10	7	8
B412288	0.165	0.038	0.59	< 2	7	36	0.25	< 20	< 1	< 2	< 10	105	< 10	8	7
B412289	0.038	0.035	1.44	< 2	10	33	0.26	< 20	< 1	< 2	< 10	182	< 10	8	7
B412290	0.030	0.019	0.87	< 2	3	393	0.08	< 20	< 1	< 2	< 10	51	< 10	7	3
B412291	0.045	0.041	1.28	< 2	11	34	0.27	< 20	< 1	< 2	< 10	159	< 10	8	7
B412292	0.044	0.033	1.08	< 2	11	38	0.26	< 20	< 1	< 2	< 10	167	< 10	7	7
B412293	0.026	0.030	1.02	< 2	8	42	0.23	< 20	1	< 2	< 10	136	< 10	6	5
B412323	0.255	0.041	0.15	2	14	36	0.20	< 20	< 1	< 2	< 10	118	< 10	8	4
B412324	0.230	0.046	0.46	4	18	27	0.25	< 20	< 1	< 2	< 10	151	< 10	10	7
B412325	0.251	0.039	0.13	< 2	14	31	0.20	< 20	< 1	< 2	< 10	109	< 10	8	6
B412326	0.303	0.038	0.08	< 2	14	33	0.22	< 20	< 1	< 2	< 10	112	< 10	8	7
B412327	0.178	0.034	0.19	5	13	26	0.24	< 20	< 1	< 2	< 10	102	< 10	10	6
B412328	0.214	0.043	0.09	< 2	15	24	0.22	< 20	< 1	< 2	< 10	115	< 10	9	5
B412329	0.209	0.044	0.28	< 2	16	19	0.32	< 20	< 1	< 2	< 10	129	< 10	11	6
B412330	0.026	0.019	0.84	< 2	3	387	0.08	< 20	< 1	< 2	< 10	51	< 10	7	3
B412334	0.246	0.026	0.07	< 2	9	45	0.17	< 20	< 1	< 2	< 10	77	< 10	7	8
B412335	0.210	0.030	0.12	< 2	10	41	0.20	< 20	< 1	< 2	< 10	86	< 10	6	5
B412336	0.233	0.030	0.14	< 2	10	41	0.20	< 20	< 1	< 2	< 10	85	< 10	7	5
B412342	0.311	0.031	0.13	3	10	60	0.28	< 20	4	< 2	< 10	111	< 10	8	5
B412343	0.171	0.018	1.13	2	14	27	0.18	< 20	< 1	< 2	< 10	99	< 10	9	23
B412344	0.117	0.034	0.63	< 2	15	38	0.32	< 20	< 1	< 2	< 10	153	10	10	9
B412347	0.235	0.025	0.16	< 2	14	39	0.23	< 20	< 1	< 2	< 10	102	< 10	8	13
B412348	0.239	0.029	0.18	< 2	14	42	0.23	< 20	< 1	< 2	< 10	108	< 10	9	10
B412349	0.162	0.020	0.20	< 2	10	29	0.16	< 20	1	< 2	< 10	77	< 10	9	17
B412350	0.026	0.019	0.90	< 2	3	400	0.08	< 20	< 1	< 2	< 10	51	< 10	7	7
B412351	0.217	0.047	0.49	< 2	15	37	0.26	< 20	< 1	< 2	< 10	114	< 10	11	7
B412352	0.154	0.035	1.78	< 2	11	59	0.26	< 20	1	< 2	< 10	143	< 10	7	7

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2		0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas	0.4	< 0.5	71	1100	1	24	94	123	6.22	227	< 10	759	0.8	3	0.10	12	79	6.31	20	< 1	1.05	< 10	0.42
GXR-6 Cert	1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9	0.609
GXR-6 Meas	0.3	< 0.5	68	1090	< 1	23	93	122	6.01	221	< 10	750	0.8	3	0.10	12	80	6.02	20	3	0.96	< 10	0.40
GXR-6 Cert	1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9	0.609
GXR-6 Meas	0.3	< 0.5	72	1080	1	24	106	130	7.24	225	< 10	808	0.9	< 2	0.14	11	82	5.70	20	2	1.00	< 10	0.39
GXR-6 Cert	1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9	0.609
GXR-6 Meas	0.4	< 0.5	68	1040	< 1	24	102	123	6.82	225	< 10	767	0.9	3	0.14	10	78	5.41	10	< 1	0.95	< 10	0.37
GXR-6 Cert	1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9	0.609
GXR-6 Meas	0.3	< 0.5	69	1060	< 1	24	102	125	7.00	213	< 10	774	0.9	3	0.14	10	81	5.54	20	2	1.00	< 10	0.38
GXR-6 Cert	1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9	0.609
OREAS 98 (Aqua Regia) Meas	46.2		> 10000				255	1300						7		122							
OREAS 98 (Aqua Regia) Cert	42.8		147000				343	1300						90		111							
OREAS 98 (Aqua Regia) Meas	44.8		> 10000				250	1260						< 2		119							
OREAS 98 (Aqua Regia) Cert	42.8		147000				343	1300						90		111							
OREAS 98 (Aqua Regia) Meas	44.1		> 10000				287	1230						89		111							
OREAS 98 (Aqua Regia) Cert	42.8		147000				343	1300						93		111							
OREAS 98 (Aqua Regia) Meas	43.3		> 10000				285	1210						103		112							
OREAS 98 (Aqua Regia) Cert	42.8		147000				343	1300						92.8		111							
OREAS 98 (Aqua Regia) Meas	43.5		> 10000				286	1200						85		111							
OREAS 98 (Aqua Regia) Cert	42.8		147000				343	1300						93		111							
OREAS 922 (AQUA REGIA) Meas	0.8	< 0.5	2120	783	< 1	34	61	246	2.72	6		70	0.7	7	0.32	17	43	5.26	< 10		0.38	32	1.28
OREAS 922 (AQUA REGIA) Cert	0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5	1.33
OREAS 922 (AQUA REGIA) Meas	0.8	< 0.5	2160	807	< 1	35	62	255	2.76	7		70	0.7	10	0.33	17	44	5.37	< 10		0.40	33	1.31
OREAS 922 (AQUA REGIA) Cert	0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5	1.33
OREAS 922 (AQUA REGIA) Meas	0.7	< 0.5	2120	769	< 1	33	66	262	2.71	5		68	0.7	9	0.37	17	45	4.88	< 10		0.38	33	1.27
OREAS 922 (AQUA REGIA) Cert	0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5	1.33
OREAS 922 (AQUA REGIA) Meas	0.8	< 0.5	2330	816	< 1	37	69	273	2.90	7		71	0.8	10	0.39	18	48	5.31	< 10		0.41	36	1.38
OREAS 922 (AQUA REGIA) Cert	0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5	1.33
OREAS 923 (AQUA REGIA) Meas	1.6	< 0.5	4220	901	< 1	33	85	334	2.87	8		59	0.6	17	0.33	19	40	6.23	< 10		0.37	30	1.42
OREAS 923	1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0	1.43

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
(AQUA REGIA) Cert																							
OREAS 923 (AQUA REGIA) Meas	1.7	< 0.5	4340	919	< 1	34	80	338	2.93	7		57	0.6	19	0.33	21	43	6.38	< 10		0.37	30	1.47
OREAS 923 (AQUA REGIA) Cert	1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0	1.43
OREAS 923 (AQUA REGIA) Meas	1.7	< 0.5	4530	907	< 1	33	92	356	2.90	6		58	0.7	30	0.38	21	43	6.00	< 10		0.34	32	1.44
OREAS 923 (AQUA REGIA) Cert	1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0	1.43
OREAS 923 (AQUA REGIA) Meas	1.9	< 0.5	4580	931	< 1	34	90	362	2.92	6		59	0.7	33	0.39	21	46	6.10	< 10		0.35	32	1.46
OREAS 923 (AQUA REGIA) Cert	1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0	1.43
OREAS 923 (AQUA REGIA) Meas	1.7	< 0.5	4880	922	< 1	35	95	354	2.95	8		61	0.7	29	0.40	21	45	6.16	< 10		0.37	32	1.46
OREAS 923 (AQUA REGIA) Cert	1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0	1.43
Oreas 96 (Aqua Regia) Meas	11.7		> 10000				83	435						< 2		52							
Oreas 96 (Aqua Regia) Cert	11.50		39100. 00				100	448						27.9		49.2							
Oreas 96 (Aqua Regia) Meas	11.6		> 10000				84	436						< 2		51							
Oreas 96 (Aqua Regia) Cert	11.50		39100. 00				100	448						27.9		49.2							
Oreas 96 (Aqua Regia) Meas	11.5		> 10000				105	438						111		48							
Oreas 96 (Aqua Regia) Cert	11.50		39100. 00				100	448						27.9		49.2							
Oreas 96 (Aqua Regia) Meas	11.5		> 10000				106	434						93		48							
Oreas 96 (Aqua Regia) Cert	11.50		39100. 00				100	448						27.9		49.2							
Oreas 96 (Aqua Regia) Meas	11.6		> 10000				105	432						93		50							
Oreas 96 (Aqua Regia) Cert	11.50		39100. 00				100	448						27.9		49.2							
Oreas 621 (Aqua Regia) Meas	62.3	273	3280	538	13	25	> 5000	> 10000	1.57	74			0.6	< 2	1.49	32	29	3.28	< 10	4	0.29	20	0.41
Oreas 621 (Aqua Regia) Cert	68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4	0.436
Oreas 621 (Aqua Regia) Meas	61.9	280	3330	539	14	24	> 5000	> 10000	1.63	74			0.6	< 2	1.50	32	30	3.29	< 10	4	0.32	19	0.41
Oreas 621 (Aqua Regia) Cert	68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4	0.436
Oreas 621 (Aqua Regia) Meas	69.8	287	3640	550	13	25	> 5000	> 10000	1.70	79			0.6	13	1.62	33	32	3.32	< 10	4	0.32	18	0.43
Oreas 621 (Aqua Regia) Cert	68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4	0.436
Oreas 621 (Aqua Regia) Meas	69.0	284	3580	546	13	26	> 5000	> 10000	1.66	75			0.6	12	1.60	35	34	3.30	< 10	4	0.31	18	0.42

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Oreas 621 (Aqua Regia) Cert	68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4	0.436
Oreas 621 (Aqua Regia) Meas	68.3	272	3520	543	14	25	> 5000	> 10000	1.70	75			0.6	11	1.59	33	32	3.23	< 10	4	0.32	18	0.42
Oreas 621 (Aqua Regia) Cert	68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4	0.436
OREAS 45f (Aqua Regia) Meas			376	177	< 1	261	6	29	6.62			141	1.0	< 2	0.05	41	362	14.1	30	< 1	0.12	< 10	0.19
OREAS 45f (Aqua Regia) Cert			336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750	39.2	341	13.7	20.3	0.0310	0.0820	10.7	0.152
OREAS 45f (Aqua Regia) Meas			366	177	< 1	261	6	28	6.43			139	1.0	< 2	0.05	43	365	13.8	20	< 1	0.11	< 10	0.19
OREAS 45f (Aqua Regia) Cert			336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750	39.2	341	13.7	20.3	0.0310	0.0820	10.7	0.152
OREAS 45f (Aqua Regia) Meas			384	178	< 1	240	26	26	6.99			138	1.1	3	0.07	35	383	15.0	20	< 1	0.09	10	0.18
OREAS 45f (Aqua Regia) Cert			336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750	39.2	341	13.7	20.3	0.0310	0.0820	10.7	0.152
OREAS 45f (Aqua Regia) Meas			386	178	< 1	241	28	26	6.90			138	1.1	< 2	0.07	35	383	15.1	20	< 1	0.09	< 10	0.18
OREAS 45f (Aqua Regia) Cert			336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750	39.2	341	13.7	20.3	0.0310	0.0820	10.7	0.152
OREAS 45f (Aqua Regia) Meas			387	182	< 1	251	26	27	7.48			140	1.1	< 2	0.07	36	380	15.1	20	< 1	0.10	< 10	0.18
OREAS 45f (Aqua Regia) Cert			336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750	39.2	341	13.7	20.3	0.0310	0.0820	10.7	0.152
B412281 Orig	0.4	< 0.5	172	709	3	119	< 2	55	2.13	65	< 10	12	< 0.5	< 2	2.31	47	229	5.37	< 10	< 1	0.10	< 10	2.04
B412281 Dup	0.5	< 0.5	171	712	3	121	< 2	54	2.19	61	< 10	11	< 0.5	< 2	2.33	46	233	5.47	< 10	< 1	0.11	< 10	2.09
B412292 Orig	1.0	< 0.5	102	1580	2	109	4	112	3.75	74	< 10	< 10	< 0.5	< 2	5.90	46	123	8.18	10	4	0.04	< 10	3.49
B412292 Split PREP DUP	0.9	< 0.5	121	1530	3	116	2	113	3.79	71	< 10	< 10	< 0.5	< 2	5.08	50	130	8.40	10	< 1	0.05	< 10	3.48
B412323 Orig	0.4	< 0.5	134	687	2	46	< 2	56	2.52	13	< 10	< 10	< 0.5	< 2	2.68	31	74	4.91	< 10	< 1	0.11	< 10	1.59
B412323 Dup	0.3	< 0.5	133	660	2	44	< 2	54	2.45	12	< 10	< 10	< 0.5	< 2	2.56	30	71	4.81	< 10	< 1	0.12	< 10	1.55
B412347 Orig	0.5	< 0.5	76	634	7	66	4	54	2.73	12	< 10	40	< 0.5	< 2	1.79	28	113	4.51	< 10	< 1	0.54	< 10	1.84
B412347 Dup	0.4	< 0.5	75	625	6	64	4	53	2.71	14	< 10	39	< 0.5	< 2	1.77	27	111	4.43	< 10	< 1	0.52	< 10	1.81
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas	0.077	0.034	0.01	3	16	26		< 20	< 1	< 2	< 10	164	< 10	4	8
GXR-6 Cert	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
GXR-6 Meas	0.069	0.034	0.01	3	16	25		< 20	< 1	< 2	< 10	163	< 10	4	8
GXR-6 Cert	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
GXR-6 Meas	0.124	0.034	0.01	< 2	19	33		< 20	< 1	< 2	< 10	163	< 10	4	10
GXR-6 Cert	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
GXR-6 Meas	0.122	0.033	0.01	4	19	32		< 20	< 1	< 2	< 10	158	< 10	4	10
GXR-6 Cert	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
GXR-6 Meas	0.124	0.033	0.01	3	19	33		< 20	< 1	< 2	< 10	163	< 10	4	8
GXR-6 Cert	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
OREAS 98 (Aqua Regia) Meas				17											
OREAS 98 (Aqua Regia) Cert				15											
OREAS 98 (Aqua Regia) Meas				16											
OREAS 98 (Aqua Regia) Cert				15											
OREAS 98 (Aqua Regia) Meas				19											
OREAS 98 (Aqua Regia) Cert				15											
OREAS 98 (Aqua Regia) Meas				19											
OREAS 98 (Aqua Regia) Cert				15											
OREAS 98 (Aqua Regia) Meas				20											
OREAS 98 (Aqua Regia) Cert				15											
OREAS 922 (AQUA REGIA) Meas	0.023	0.062	0.35	< 2	3	16		< 20		< 2	< 10	32	< 10	16	4
OREAS 922 (AQUA REGIA) Cert	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas	0.024	0.064	0.37	< 2	3	16		< 20		< 2	< 10	33	< 10	16	4
OREAS 922 (AQUA REGIA) Cert	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas	0.025	0.060	0.35	2	3	16		< 20		< 2	< 10	32	< 10	15	5
OREAS 922 (AQUA REGIA) Cert	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas	0.026	0.065	0.39	4	4	17		< 20		< 2	< 10	34	< 10	16	5
OREAS 922 (AQUA REGIA) Cert	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 923 (AQUA REGIA) Meas		0.059	0.67	< 2	3	14		< 20		< 2	< 10	32	< 10	14	5
OREAS 923		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5



Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
(AQUA REGIA) Cert															
OREAS 923 (AQUA REGIA) Meas		0.061	0.70	< 2	3	14		< 20		< 2	< 10	33	< 10	14	5
OREAS 923 (AQUA REGIA) Cert		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 923 (AQUA REGIA) Meas		0.060	0.68	3	3	15		< 20		< 2	< 10	33	< 10	14	7
OREAS 923 (AQUA REGIA) Cert		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 923 (AQUA REGIA) Meas		0.062	0.70	3	4	15		< 20		< 2	< 10	34	< 10	15	8
OREAS 923 (AQUA REGIA) Cert		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 923 (AQUA REGIA) Meas		0.061	0.72	3	4	15		< 20		< 2	< 10	35	< 10	15	5
OREAS 923 (AQUA REGIA) Cert		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
Oreas 96 (Aqua Regia) Meas			3.76	5											
Oreas 96 (Aqua Regia) Cert			4.38	4.53											
Oreas 96 (Aqua Regia) Meas			3.94	6											
Oreas 96 (Aqua Regia) Cert			4.38	4.53											
Oreas 96 (Aqua Regia) Meas			4.09	8											
Oreas 96 (Aqua Regia) Cert			4.38	4.53											
Oreas 96 (Aqua Regia) Meas			4.18	7											
Oreas 96 (Aqua Regia) Cert			4.38	4.53											
Oreas 96 (Aqua Regia) Meas			3.58	6											
Oreas 96 (Aqua Regia) Cert			4.38	4.53											
Oreas 621 (Aqua Regia) Meas	0.154	0.032	4.76	102	2	19		< 20		< 2	< 10	11	< 10	7	56
Oreas 621 (Aqua Regia) Cert	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
Oreas 621 (Aqua Regia) Meas	0.162	0.032	4.86	100	2	19		< 20		< 2	< 10	12	13	7	48
Oreas 621 (Aqua Regia) Cert	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
Oreas 621 (Aqua Regia) Meas	0.154	0.033	4.67	104	2	19		< 20		< 2	< 10	12	< 10	6	70
Oreas 621 (Aqua Regia) Cert	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
Oreas 621 (Aqua Regia) Meas	0.154	0.034	4.67	109	2	19		< 20		< 2	< 10	12	< 10	6	71

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Oreas 621 (Aqua Regia) Cert	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
Oreas 621 (Aqua Regia) Meas	0.157	0.033	4.42	104	2	19		< 20		< 2	< 10	12	< 10	6	65
Oreas 621 (Aqua Regia) Cert	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
OREAS 45f (Aqua Regia) Meas	0.046	0.022	0.02		22	11	0.11	< 20		< 2	< 10	206		3	15
OREAS 45f (Aqua Regia) Cert	0.0320	0.0220	0.0270		31.4	13.2	0.0970	7.67		0.120	1.09	217		6.74	30.0
OREAS 45f (Aqua Regia) Meas	0.044	0.021	0.02		21	11	0.11	< 20		< 2	< 10	206		4	16
OREAS 45f (Aqua Regia) Cert	0.0320	0.0220	0.0270		31.4	13.2	0.0970	7.67		0.120	1.09	217		6.74	30.0
OREAS 45f (Aqua Regia) Meas	0.045	0.022	0.02		29	15	0.12	< 20		< 2	< 10	212		5	21
OREAS 45f (Aqua Regia) Cert	0.0320	0.0220	0.0270		31.4	13.2	0.0970	7.67		0.120	1.09	217		6.74	30.0
OREAS 45f (Aqua Regia) Meas	0.046	0.022	0.02		29	15	0.12	< 20		< 2	< 10	213		5	21
OREAS 45f (Aqua Regia) Cert	0.0320	0.0220	0.0270		31.4	13.2	0.0970	7.67		0.120	1.09	217		6.74	30.0
OREAS 45f (Aqua Regia) Meas	0.048	0.021	0.02		28	15	0.13	< 20		< 2	< 10	212		4	18
OREAS 45f (Aqua Regia) Cert	0.0320	0.0220	0.0270		31.4	13.2	0.0970	7.67		0.120	1.09	217		6.74	30.0
B412281 Orig	0.160	0.048	0.72	3	8	31	0.23	< 20	< 1	< 2	< 10	97	< 10	6	11
B412281 Dup	0.170	0.048	0.72	3	8	32	0.23	< 20	< 1	< 2	< 10	98	< 10	6	11
B412292 Orig	0.044	0.033	1.08	< 2	11	38	0.26	< 20	< 1	< 2	< 10	167	< 10	7	7
B412292 Split PREP DUP	0.047	0.035	1.15	< 2	11	36	0.28	< 20	< 1	< 2	< 10	175	< 10	8	7
B412323 Orig	0.250	0.042	0.15	2	14	37	0.20	< 20	< 1	< 2	< 10	121	< 10	8	4
B412323 Dup	0.260	0.041	0.15	3	14	36	0.20	< 20	< 1	< 2	< 10	116	< 10	8	4
B412347 Orig	0.230	0.025	0.16	< 2	14	39	0.23	< 20	< 1	< 2	< 10	103	< 10	8	11
B412347 Dup	0.241	0.025	0.16	< 2	13	39	0.23	< 20	< 1	< 2	< 10	101	< 10	8	14
Method Blank	0.006	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.005	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.006	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.005	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.006	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.005	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.007	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.006	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.006	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1



Report No.: A21-22205-1E3
Report Date: 01-Mar-22
Date Submitted: 26-Nov-21
Your Reference: LINGMAN LAKE FALL 2021

SIGNATURE RESOURCES LTD
235 Eleventh Line
Collingwood ON L9Y5G6
Canada

ATTN: P.GEO. Walter Hanych

CERTIFICATE OF ANALYSIS

132 Core samples were submitted for analysis.

Table with 2 columns: Analytical package(s) requested and Testing Date. Row 1: 1E3-Tbay, QOP AquaGeo (Aqua Regia ICPOES), 2022-02-25 13:20:19

REPORT A21-22205-1E3

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Notes:

Values which exceed the upper limit should be assayed for accurate numbers.



LabID: 673

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CERTIFIED BY:

Handwritten signature of Emmanuel Esemé

Emmanuel Esemé, Ph.D.
Quality Control Coordinator

## Results

## Activation Laboratories Ltd.

## Report: A21-22205

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2		0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B412469	0.3	< 0.5	16	645	< 1	44	17	45	2.15	9	< 10	49	< 0.5	< 2	1.63	20	48	3.33	< 10	< 1	1.37	< 10	1.37
B412470	0.2	< 0.5	12	105	< 1	12	59	80	1.67	9	37	61	< 0.5	< 2	> 10.0	3	23	1.51	< 10	< 1	0.11	< 10	1.89
B412471	< 0.2	< 0.5	41	431	< 1	22	8	33	1.33	3	< 10	58	< 0.5	< 2	0.86	13	33	2.35	< 10	< 1	0.70	< 10	0.88
B412472	< 0.2	< 0.5	19	734	6	51	8	49	2.26	6	< 10	79	< 0.5	< 2	2.12	23	56	3.71	< 10	< 1	1.12	< 10	1.64
B412473	0.7	< 0.5	30	554	< 1	25	128	88	1.08	7	< 10	22	< 0.5	< 2	2.20	12	30	2.06	< 10	< 1	0.14	12	0.95
B412474	0.3	< 0.5	31	938	< 1	40	18	81	2.14	3	< 10	44	< 0.5	< 2	5.17	19	45	3.80	< 10	< 1	0.49	< 10	1.87
B412475	0.6	< 0.5	72	835	2	68	3	93	2.72	3	< 10	127	< 0.5	< 2	3.37	31	85	5.42	< 10	< 1	1.00	< 10	2.05
B412476	0.6	< 0.5	79	851	2	65	3	90	2.62	< 2	< 10	123	< 0.5	< 2	3.31	32	82	5.24	< 10	< 1	0.97	< 10	1.97
B412477	< 0.2	< 0.5	12	562	1	31	11	41	1.40	< 2	< 10	199	< 0.5	< 2	1.88	17	46	3.13	< 10	< 1	0.81	< 10	1.08
B412478	0.9	< 0.5	55	315	2	11	10	42	0.71	5	< 10	35	< 0.5	< 2	0.91	9	28	1.65	< 10	< 1	0.20	< 10	0.58
B412384	< 0.2	< 0.5	7	250	1	3	10	25	0.97	9	< 10	31	< 0.5	< 2	0.71	6	4	1.27	< 10	< 1	0.12	25	0.38
B412385	< 0.2	< 0.5	9	80	< 1	< 1	18	6	0.28	8	< 10	16	< 0.5	< 2	0.11	1	2	0.47	< 10	< 1	0.08	14	0.08
B412386	< 0.2	< 0.5	13	84	< 1	< 1	18	6	0.28	11	< 10	16	< 0.5	< 2	0.11	1	2	0.48	< 10	< 1	0.08	14	0.09
B412387	0.2	< 0.5	4	221	1	3	18	10	1.09	38	< 10	18	< 0.5	< 2	0.82	7	5	2.00	< 10	< 1	0.06	27	0.39
B412388	< 0.2	< 0.5	7	227	< 1	3	4	14	0.93	11	< 10	22	< 0.5	< 2	0.61	4	4	1.14	< 10	< 1	0.11	22	0.37
B412389	< 0.2	< 0.5	5	233	6	2	11	24	0.92	13	< 10	37	< 0.5	< 2	0.68	4	4	1.19	< 10	< 1	0.16	24	0.38
B412390	0.2	< 0.5	12	108	< 1	13	60	82	1.73	9	37	57	< 0.5	< 2	> 10.0	3	24	1.56	< 10	< 1	0.14	< 10	1.99
B412391	< 0.2	< 0.5	9	259	5	3	8	25	1.06	9	< 10	36	< 0.5	< 2	0.60	4	4	1.21	< 10	< 1	0.20	20	0.46
B412392	< 0.2	< 0.5	9	243	< 1	3	15	19	1.02	68	< 10	38	< 0.5	< 2	0.48	5	3	1.11	< 10	< 1	0.30	20	0.42
B412393	< 0.2	< 0.5	13	237	< 1	4	11	19	0.95	30	< 10	31	< 0.5	< 2	0.58	6	4	1.18	< 10	< 1	0.20	27	0.36
B412394	0.9	< 0.5	103	938	7	68	< 2	75	2.35	10	< 10	27	< 0.5	< 2	3.42	36	95	5.44	< 10	< 1	0.41	< 10	1.62
B412395	3.7	< 0.5	102	906	6	61	10	106	2.14	137	< 10	40	< 0.5	< 2	2.06	31	97	5.55	< 10	< 1	0.57	< 10	1.61
B412396	3.1	< 0.5	103	875	7	61	7	96	2.21	127	< 10	42	< 0.5	< 2	1.84	33	96	5.54	< 10	< 1	0.62	< 10	1.64
B412397	1.0	< 0.5	141	1090	7	83	4	79	2.71	433	< 10	27	< 0.5	< 2	2.21	52	103	7.09	< 10	2	0.43	< 10	2.21
B412398	0.6	< 0.5	93	698	16	57	< 2	53	2.37	16	< 10	13	< 0.5	< 2	2.43	34	76	4.75	< 10	< 1	0.16	< 10	1.55
B412399	0.5	< 0.5	118	726	6	77	< 2	68	2.59	18	< 10	15	< 0.5	< 2	2.15	42	74	5.59	< 10	2	0.14	< 10	1.65
B412400	2.3	0.6	177	744	1	48	29	141	3.44	65	54	32	< 0.5	< 2	2.91	29	27	6.09	< 10	< 1	0.15	< 10	1.69
B412401	0.4	< 0.5	100	624	8	58	< 2	53	2.43	18	< 10	< 10	< 0.5	< 2	2.17	33	66	4.58	< 10	< 1	0.10	< 10	1.61
B412402	0.4	< 0.5	133	590	5	64	3	51	2.30	22	< 10	< 10	< 0.5	< 2	2.11	35	64	4.64	< 10	< 1	0.08	< 10	1.51
B412403	1.2	< 0.5	164	625	6	70	< 2	53	2.23	171	< 10	< 10	< 0.5	< 2	2.08	41	70	5.07	< 10	< 1	0.09	< 10	1.42
B412404	0.3	< 0.5	10	268	1	5	9	24	0.98	93	< 10	32	< 0.5	< 2	0.49	7	5	1.47	< 10	< 1	0.23	30	0.52
B412405	< 0.2	< 0.5	4	252	< 1	4	10	23	0.98	20	< 10	29	< 0.5	< 2	0.71	6	4	1.29	< 10	< 1	0.19	31	0.48
B412406	< 0.2	< 0.5	2	223	< 1	5	11	25	0.90	15	< 10	28	< 0.5	< 2	0.70	6	7	1.29	< 10	< 1	0.13	29	0.37
B412407	< 0.2	< 0.5	4	235	< 1	3	21	30	0.92	14	< 10	30	< 0.5	< 2	0.89	5	4	1.30	< 10	< 1	0.19	35	0.35
B412408	< 0.2	< 0.5	7	241	< 1	3	11	27	0.90	12	< 10	29	< 0.5	< 2	0.67	5	4	1.28	< 10	< 1	0.15	32	0.39
B412409	< 0.2	< 0.5	6	210	1	3	15	20	0.74	11	< 10	29	< 0.5	< 2	0.75	5	4	1.16	< 10	< 1	0.15	32	0.30
B412410	0.2	< 0.5	10	95	< 1	12	58	83	1.56	7	31	75	< 0.5	< 2	> 10.0	2	26	1.37	< 10	< 1	0.12	< 10	1.91
B412411	0.7	< 0.5	5	205	< 1	4	12	23	0.86	34	< 10	39	< 0.5	< 2	0.74	6	4	1.30	< 10	< 1	0.23	33	0.32
B412412	0.4	< 0.5	5	227	< 1	3	9	141	0.87	93	< 10	25	< 0.5	< 2	0.94	7	3	1.11	< 10	< 1	0.21	27	0.36
B412413	0.4	< 0.5	2	328	< 1	5	6	59	1.30	37	< 10	30	< 0.5	< 2	1.12	6	3	1.44	< 10	< 1	0.32	23	0.71
B412414	0.4	1.6	10	226	2	5	184	454	0.94	34	< 10	27	< 0.5	< 2	1.03	6	3	1.07	< 10	< 1	0.27	28	0.33
B412415	< 0.2	< 0.5	2	256	2	5	9	34	1.20	12	< 10	33	< 0.5	< 2	0.82	6	3	1.10	< 10	< 1	0.33	27	0.54
B412416	< 0.2	< 0.5	3	268	1	5	15	37	1.22	14	< 10	35	< 0.5	< 2	0.96	6	3	1.16	< 10	< 1	0.35	30	0.52
B412417	1.2	< 0.5	6	460	7	11	8	39	1.38	3320	< 10	14	< 0.5	< 2	1.10	9	8	2.18	< 10	< 1	0.25	16	0.86
B412418	1.4	< 0.5	5	329	< 1	2	16	37	1.43	234	< 10	29	< 0.5	< 2	1.31	5	2	1.27	< 10	< 1	0.30	24	0.76
B412419	< 0.2	< 0.5	7	251	< 1	3	14	33	1.18	20	< 10	24	< 0.5	< 2	0.63	5	4	1.12	< 10	< 1	0.24	27	0.52
B412420	1.3	< 0.5	140	701	3	117	18	75	3.08	35	30	32	< 0.5	< 2	2.77	31	270	5.64	< 10	< 1	0.13	< 10	2.71
B412421	< 0.2	< 0.5	5	246	< 1	3	16	42	1.34	15	< 10	24	< 0.5	< 2	0.66	5	3	1.07	< 10	< 1	0.24	24	0.66
B412422	0.7	< 0.5	3	197	< 1	6	18	43	1.18	495	< 10	28	< 0.5	< 2	0.74	6	3	1.11	< 10	< 1	0.28	28	0.40
B412423	0.5	< 0.5	10	237	< 1	3	22	36	1.04	107	< 10	28	< 0.5	< 2	1.23	6	2	1.12	< 10	< 1	0.34	28	0.38
B412424	0.3	< 0.5	1	203	< 1	2	25	39	1.17	17	< 10	22	< 0.5	< 2	0.96	4	3	0.81	< 10	< 1	0.29	24	0.36

Results

Activation Laboratories Ltd.

Report: A21-22205

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2		0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B412425	0.5	< 0.5	< 1	176	< 1	2	17	51	1.06	961	< 10	22	< 0.5	< 2	0.84	4	1	0.86	< 10	1	0.37	13	0.39
B412426	0.6	< 0.5	30	510	< 1	19	12	50	1.51	977	< 10	14	< 0.5	< 2	2.05	13	26	2.39	< 10	2	0.27	17	0.96
B412427	1.7	< 0.5	78	1230	3	85	5	136	2.71	2570	< 10	< 10	< 0.5	< 2	3.48	42	100	7.19	< 10	< 1	0.10	< 10	2.33
B412428	1.1	< 0.5	76	1220	3	83	4	94	2.62	1670	< 10	< 10	< 0.5	< 2	3.52	45	102	7.14	< 10	< 1	0.19	< 10	2.31
B412429	1.0	< 0.5	101	853	12	69	< 2	68	2.63	55	< 10	< 10	< 0.5	2	3.95	43	91	4.92	< 10	< 1	0.18	< 10	1.56
B412430	0.2	< 0.5	11	99	< 1	11	61	86	1.63	7	32	79	< 0.5	< 2	> 10.0	2	26	1.41	< 10	< 1	0.08	< 10	1.97
B412431	1.0	< 0.5	102	746	2	54	7	56	1.73	554	< 10	11	< 0.5	< 2	2.26	29	74	4.54	< 10	< 1	0.12	< 10	1.26
B412432	0.4	< 0.5	92	874	2	76	< 2	67	2.86	46	< 10	13	< 0.5	< 2	4.27	41	85	4.95	< 10	< 1	0.24	< 10	1.45
B412433	0.3	< 0.5	148	894	2	88	3	67	2.92	15	< 10	20	< 0.5	< 2	3.61	46	101	6.13	< 10	1	0.37	< 10	1.51
B412434	< 0.2	< 0.5	80	834	3	75	< 2	65	2.90	28	< 10	14	< 0.5	< 2	3.28	42	84	4.91	< 10	< 1	0.24	< 10	1.35
B412435	0.3	< 0.5	116	701	2	76	3	60	2.79	28	< 10	19	< 0.5	< 2	2.35	44	95	4.98	< 10	< 1	0.35	< 10	1.44
B412436	0.4	< 0.5	98	739	2	76	2	63	2.92	26	< 10	19	< 0.5	< 2	2.54	43	97	5.11	< 10	< 1	0.35	< 10	1.53
B412437	0.5	< 0.5	119	654	3	66	3	57	1.95	5	< 10	< 10	< 0.5	< 2	2.49	38	74	4.34	< 10	< 1	0.15	< 10	1.13
B412438	0.5	< 0.5	124	597	< 1	49	< 2	46	1.97	14	< 10	< 10	< 0.5	< 2	2.41	33	60	3.55	< 10	< 1	0.10	< 10	1.00
B412439	0.3	< 0.5	75	620	5	50	< 2	48	2.39	13	< 10	< 10	< 0.5	< 2	2.34	31	65	4.16	< 10	< 1	0.11	< 10	1.43
B412440	0.3	< 0.5	165	792	< 1	58	8	95	3.92	27	24	19	< 0.5	< 2	3.14	30	19	6.31	< 10	2	0.08	< 10	1.82
B412441	0.3	< 0.5	145	642	6	64	< 2	49	2.36	8	< 10	< 10	< 0.5	2	2.49	39	75	5.13	< 10	< 1	0.11	< 10	1.65
B412442	0.7	< 0.5	70	969	4	118	5	69	2.66	< 2	< 10	45	< 0.5	2	3.93	42	123	6.06	< 10	2	0.92	< 10	2.27
B412443	< 0.2	< 0.5	27	570	< 1	42	7	45	2.24	2	< 10	38	< 0.5	< 2	1.63	18	39	3.06	< 10	< 1	1.02	< 10	1.37
B412444	0.4	< 0.5	71	849	2	95	8	62	2.84	3	< 10	29	< 0.5	2	2.53	38	63	5.62	< 10	< 1	1.05	< 10	2.14
B412445	< 0.2	< 0.5	34	601	< 1	51	13	49	2.24	3	< 10	35	< 0.5	< 2	1.43	21	48	3.52	< 10	< 1	0.95	< 10	1.48
B412446	< 0.2	< 0.5	7	436	3	14	15	25	1.68	2	< 10	26	< 0.5	< 2	1.13	7	20	1.51	< 10	< 1	0.68	< 10	0.99
B412447	0.5	< 0.5	35	1440	< 1	42	7	43	2.83	16	< 10	44	< 0.5	< 2	6.21	20	59	4.74	< 10	< 1	0.97	< 10	3.32
B412448	0.3	< 0.5	57	940	4	64	2	60	3.28	2	< 10	62	< 0.5	< 2	3.76	33	99	5.66	< 10	2	1.28	< 10	2.21
B412449	0.4	< 0.5	64	750	3	58	< 2	65	2.22	3	< 10	93	< 0.5	< 2	2.52	31	82	4.76	< 10	< 1	0.90	< 10	1.83
B412450	< 0.2	< 0.5	11	97	< 1	10	45	67	1.63	7	38	88	< 0.5	< 2	> 10.0	3	22	1.40	< 10	< 1	0.08	< 10	1.87
B412479	0.2	< 0.5	60	524	2	48	4	49	1.62	2	< 10	64	< 0.5	< 2	1.55	27	61	3.63	< 10	< 1	0.38	< 10	1.30
B412480	1.5	< 0.5	171	762	1	53	25	131	3.68	63	21	28	< 0.5	< 2	3.15	28	22	5.83	< 10	1	0.13	< 10	1.63
B412481	0.5	< 0.5	65	527	9	42	6	50	1.56	< 2	< 10	113	< 0.5	< 2	1.51	23	57	3.41	< 10	< 1	0.54	11	1.27
B412482	0.2	< 0.5	58	533	40	41	8	68	1.41	3	< 10	74	< 0.5	< 2	1.45	24	53	3.20	< 10	< 1	0.40	< 10	1.17
B412483	0.3	< 0.5	38	596	8	46	8	90	1.77	5	< 10	64	< 0.5	< 2	1.57	25	65	3.86	< 10	< 1	0.41	< 10	1.48
B412484	0.3	< 0.5	41	738	13	66	2	90	2.34	< 2	< 10	108	< 0.5	< 2	2.34	32	83	5.03	< 10	< 1	0.68	< 10	1.99
B412485	0.5	< 0.5	80	766	2	64	4	82	2.25	< 2	< 10	76	< 0.5	< 2	2.72	33	79	4.94	< 10	< 1	0.48	< 10	1.85
B412486	0.3	< 0.5	49	734	5	68	< 2	77	2.31	< 2	< 10	71	< 0.5	2	2.05	33	85	4.84	< 10	< 1	0.59	< 10	2.07
B412487	0.2	< 0.5	6	293	< 1	8	6	35	0.69	< 2	< 10	20	< 0.5	< 2	1.23	6	11	1.23	< 10	< 1	0.14	12	0.63
B412488	< 0.2	< 0.5	3	164	< 1	2	6	14	0.34	< 2	< 10	< 10	< 0.5	< 2	0.60	2	7	0.68	< 10	< 1	0.02	15	0.31
B412489	0.3	< 0.5	60	898	6	76	< 2	69	2.52	3	< 10	24	< 0.5	< 2	3.35	37	93	5.77	< 10	2	0.19	< 10	2.25
B412490	< 0.2	< 0.5	11	97	< 1	11	45	67	1.63	7	38	126	< 0.5	< 2	> 10.0	3	23	1.41	< 10	< 1	0.10	< 10	1.89
B412491	0.2	< 0.5	80	549	8	41	2	38	1.59	< 2	< 10	31	< 0.5	< 2	1.97	22	58	3.42	< 10	< 1	0.20	< 10	1.36
B412492	< 0.2	< 0.5	73	571	5	44	< 2	39	1.74	< 2	< 10	34	< 0.5	< 2	2.09	24	58	3.75	< 10	< 1	0.22	< 10	1.41
B412493	< 0.2	< 0.5	45	661	3	46	< 2	46	1.91	< 2	< 10	39	< 0.5	< 2	2.34	24	65	4.18	< 10	< 1	0.19	< 10	1.59
B412494	< 0.2	< 0.5	34	778	6	56	< 2	58	2.22	< 2	< 10	86	< 0.5	< 2	3.15	27	78	4.71	< 10	< 1	0.31	< 10	1.78
B412495	0.2	< 0.5	54	653	1	52	< 2	54	1.69	< 2	< 10	105	< 0.5	< 2	2.69	25	66	3.99	< 10	< 1	0.29	< 10	1.46
B412496	0.3	< 0.5	56	696	1	57	< 2	64	1.90	2	< 10	135	< 0.5	< 2	2.72	27	74	4.45	< 10	< 1	0.38	< 10	1.63
B412497	0.3	< 0.5	53	700	2	57	3	52	1.77	< 2	< 10	65	< 0.5	< 2	2.97	26	76	4.31	< 10	< 1	0.28	< 10	1.49
B412498	0.3	< 0.5	22	301	2	15	4	51	1.05	< 2	< 10	63	< 0.5	< 2	1.03	11	22	1.91	< 10	2	0.43	18	0.83
B412499	0.4	< 0.5	6	727	3	6	3	29	0.72	2	< 10	13	< 0.5	< 2	2.97	8	20	1.43	< 10	< 1	0.10	14	1.23
B412500	2.3	< 0.5	175	742	< 1	50	28	135	3.43	64	54	31	< 0.5	2	2.91	29	28	6.02	< 10	2	0.15	< 10	1.68
B412551	1.0	< 0.5	64	1540	< 1	81	4	109	3.09	3	< 10	102	< 0.5	2	5.08	46	108	7.42	< 10	3	1.04	< 10	3.20
B412552	0.4	< 0.5	80	984	< 1	77	3	94	2.77	5	< 10	39	< 0.5	< 2	3.60	36	84	6.16	< 10	< 1	0.34	< 10	2.15
B412553	0.3	< 0.5	42	1060	3	66	7	100	3.01	9	< 10	59	< 0.5	< 2	4.32	34	90	6.32	< 10	< 1	0.49	< 10	2.55

## Results

## Activation Laboratories Ltd.

## Report: A21-22205

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2		0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B412554	< 0.2	< 0.5	66	854	5	63	< 2	74	2.55	2	< 10	69	< 0.5	< 2	3.41	31	93	5.66	< 10	1	0.28	< 10	1.97
B412555	0.3	< 0.5	223	829	6	102	< 2	120	2.79	3	< 10	58	< 0.5	< 2	2.11	43	127	5.97	< 10	< 1	0.26	< 10	2.30
B412556	0.3	< 0.5	222	903	6	133	< 2	130	3.05	4	< 10	64	< 0.5	< 2	2.23	52	149	6.44	< 10	3	0.29	< 10	2.54
B412557	0.3	< 0.5	97	1120	32	227	< 2	159	3.68	3	< 10	123	< 0.5	< 2	3.41	50	125	7.15	< 10	< 1	1.05	11	3.24
B412558	6.4	< 0.5	89	515	3	6	8	45	1.52	2	< 10	97	< 0.5	< 2	1.99	10	5	2.29	< 10	< 1	0.46	23	1.27
B412559	0.6	< 0.5	25	808	2	15	17	76	3.09	< 2	< 10	222	< 0.5	< 2	2.01	22	10	5.47	10	2	0.88	27	1.86
B412560	0.5	< 0.5	161	766	1	89	4	64	3.81	13	18	19	< 0.5	< 2	3.18	32	114	5.79	< 10	1	0.08	< 10	2.27
B412561	1.4	< 0.5	159	965	7	60	4	170	3.21	61	< 10	28	< 0.5	< 2	2.59	40	43	8.30	10	< 1	0.10	< 10	2.00
B412562	23.8	5.2	1520	1220	75	350	73	763	3.34	535	< 10	< 10	< 0.5	2	4.08	97	500	10.6	10	3	0.02	18	3.67
B412563	14.5	6.1	772	1050	18	311	56	747	2.45	82	< 10	< 10	< 0.5	2	4.37	86	266	10.3	< 10	2	0.02	13	3.33
B412564	8.2	< 0.5	49	977	6	259	704	103	2.38	24	< 10	131	< 0.5	< 2	5.80	38	557	5.64	< 10	< 1	0.45	17	5.47
B412565	0.9	< 0.5	80	999	4	222	4	116	2.73	8	< 10	112	< 0.5	< 2	5.46	43	433	7.36	10	< 1	0.45	19	5.38
B412566	1.5	< 0.5	88	1180	1	129	10	78	1.48	11	< 10	45	< 0.5	< 2	5.59	37	239	6.64	< 10	< 1	0.15	< 10	4.58
B412567	3.1	< 0.5	99	1050	77	116	8	54	0.96	5	< 10	17	< 0.5	< 2	5.41	30	203	5.30	< 10	< 1	0.06	< 10	3.61
B412568	1.7	< 0.5	231	1160	9	69	6	92	1.50	4	< 10	11	< 0.5	< 2	5.50	36	134	6.56	< 10	2	0.03	< 10	4.32
B412569	2.2	< 0.5	138	733	151	35	13	54	1.09	18	< 10	26	< 0.5	< 2	4.80	37	35	7.48	< 10	< 1	0.18	< 10	2.33
B412570	0.3	< 0.5	12	100	< 1	10	43	66	1.65	9	39	96	< 0.5	< 2	> 10.0	3	22	1.45	< 10	< 1	0.07	< 10	1.92
B412571	1.0	< 0.5	59	750	16	121	6	91	2.01	8	< 10	35	< 0.5	< 2	5.18	29	292	4.46	< 10	< 1	0.17	39	2.89
B412572	< 0.2	< 0.5	22	835	4	265	< 2	129	3.38	5	< 10	52	< 0.5	< 2	5.22	31	688	4.98	10	< 1	0.25	75	4.96
B412573	0.7	< 0.5	215	649	29	14	< 2	35	1.68	< 2	< 10	< 10	< 0.5	< 2	2.19	31	4	5.40	< 10	< 1	0.09	< 10	1.19
B412574	0.3	< 0.5	76	673	23	13	< 2	35	1.66	< 2	< 10	< 10	< 0.5	< 2	2.58	22	4	4.25	< 10	< 1	0.08	< 10	1.27
B412575	0.4	< 0.5	142	570	10	33	< 2	47	1.80	< 2	< 10	118	< 0.5	< 2	1.51	28	29	4.02	< 10	< 1	0.40	13	1.47
B412576	0.4	< 0.5	67	556	7	28	< 2	43	1.72	2	< 10	119	< 0.5	< 2	1.63	21	25	3.77	< 10	< 1	0.41	12	1.43
B412577	0.3	< 0.5	204	627	7	29	< 2	36	2.15	2	< 10	17	< 0.5	< 2	2.10	27	21	4.38	< 10	< 1	0.13	< 10	1.62
B412578	0.7	< 0.5	147	620	6	32	< 2	36	2.19	444	< 10	31	< 0.5	< 2	2.13	33	28	4.20	< 10	< 1	0.22	< 10	1.67
B412579	0.2	< 0.5	116	653	3	34	< 2	42	2.19	3	< 10	30	< 0.5	< 2	2.31	27	32	4.13	< 10	< 1	0.22	< 10	1.74
B412580	2.3	0.6	176	735	1	49	31	129	3.40	63	53	31	< 0.5	< 2	2.89	29	27	6.01	< 10	1	0.15	< 10	1.66
B412581	0.3	< 0.5	187	575	20	37	< 2	34	1.98	6	< 10	< 10	< 0.5	< 2	2.09	28	26	3.66	< 10	< 1	0.08	< 10	1.43
B412582	0.4	< 0.5	184	545	25	33	< 2	29	2.37	4	< 10	17	< 0.5	< 2	2.12	28	19	3.45	< 10	< 1	0.10	< 10	1.28
B412583	< 0.2	< 0.5	77	465	< 1	35	< 2	26	2.15	4	< 10	< 10	< 0.5	< 2	1.81	20	38	3.02	< 10	< 1	0.05	< 10	1.46

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B412469	0.090	0.013	0.12	< 2	8	15	0.18	< 20	3	< 2	< 10	77	< 10	7	28
B412470	0.040	0.016	0.63	< 2	2	298	0.07	< 20	2	< 2	< 10	38	< 10	5	11
B412471	0.084	0.008	0.17	< 2	5	15	0.11	< 20	3	< 2	< 10	49	< 10	5	23
B412472	0.103	0.016	0.07	3	8	27	0.21	< 20	< 1	< 2	< 10	89	< 10	7	19
B412473	0.130	0.015	0.15	< 2	5	40	0.14	< 20	2	< 2	10	29	< 10	6	26
B412474	0.132	0.043	0.36	< 2	7	99	0.20	< 20	3	< 2	< 10	72	< 10	8	14
B412475	0.243	0.034	0.09	3	12	63	0.27	< 20	1	< 2	< 10	116	< 10	8	10
B412476	0.248	0.034	0.07	< 2	12	60	0.28	< 20	< 1	< 2	< 10	111	< 10	8	10
B412477	0.129	0.021	0.04	< 2	8	66	0.23	< 20	4	< 2	< 10	75	< 10	9	23
B412478	0.134	0.024	0.31	< 2	4	21	0.12	< 20	3	< 2	< 10	23	< 10	6	18
B412384	0.065	0.034	0.03	< 2	1	62	0.10	< 20	3	< 2	< 10	13	< 10	4	11
B412385	0.072	0.003	0.02	< 2	< 1	14	0.02	20	< 1	< 2	12	2	< 10	5	33
B412386	0.068	0.004	0.02	< 2	< 1	15	0.02	30	< 1	< 2	14	3	< 10	6	33
B412387	0.045	0.036	0.99	< 2	3	137	0.11	< 20	3	< 2	< 10	15	< 10	7	21
B412388	0.069	0.030	0.04	< 2	1	62	0.09	< 20	3	< 2	< 10	11	< 10	4	17
B412389	0.066	0.028	0.05	< 2	1	51	0.08	< 20	2	< 2	< 10	11	< 10	5	19
B412390	0.046	0.017	0.64	< 2	2	325	0.07	< 20	2	< 2	< 10	40	< 10	5	8
B412391	0.063	0.031	0.05	< 2	1	42	0.08	< 20	3	< 2	< 10	12	< 10	4	12
B412392	0.040	0.033	0.15	< 2	< 1	28	0.05	< 20	2	< 2	< 10	8	< 10	4	13
B412393	0.054	0.034	0.23	< 2	1	45	0.07	< 20	2	< 2	< 10	10	< 10	4	13
B412394	0.169	0.035	0.15	2	14	30	0.32	< 20	7	< 2	< 10	138	< 10	9	10
B412395	0.042	0.031	1.28	< 2	11	19	0.28	< 20	< 1	< 2	< 10	139	< 10	8	12
B412396	0.043	0.029	1.23	< 2	11	18	0.27	< 20	< 1	< 2	< 10	139	< 10	7	12
B412397	0.076	0.036	2.03	4	11	27	0.31	< 20	2	< 2	< 10	143	< 10	8	10
B412398	0.230	0.037	0.11	2	14	29	0.29	< 20	7	< 2	< 10	118	< 10	9	5
B412399	0.188	0.037	0.72	2	12	30	0.30	< 20	1	< 2	< 10	108	< 10	7	5
B412400	0.263	0.041	0.42	2	6	47	0.39	< 20	1	< 2	< 10	154	22	9	18
B412401	0.214	0.037	0.16	< 2	12	27	0.24	< 20	< 1	< 2	< 10	103	< 10	7	5
B412402	0.197	0.036	0.37	2	11	25	0.22	< 20	< 1	< 2	< 10	100	20	6	4
B412403	0.177	0.035	0.73	< 2	12	33	0.27	< 20	2	< 2	< 10	106	< 10	8	5
B412404	0.068	0.032	0.30	3	2	20	0.10	< 20	3	< 2	< 10	16	< 10	6	18
B412405	0.058	0.032	0.19	< 2	2	32	0.09	< 20	3	< 2	< 10	13	< 10	6	18
B412406	0.063	0.033	0.07	< 2	2	51	0.10	< 20	4	< 2	< 10	14	< 10	6	20
B412407	0.069	0.035	0.18	< 2	2	45	0.09	< 20	4	< 2	< 10	13	< 10	6	19
B412408	0.067	0.035	0.21	< 2	2	44	0.10	< 20	5	< 2	< 10	13	< 10	5	17
B412409	0.066	0.031	0.20	< 2	2	40	0.09	< 20	< 1	< 2	< 10	10	< 10	7	20
B412410	0.046	0.017	0.69	< 2	2	314	0.06	< 20	< 1	< 2	< 10	38	< 10	5	18
B412411	0.068	0.035	0.26	< 2	1	37	0.09	< 20	3	< 2	< 10	11	< 10	6	15
B412412	0.049	0.031	0.31	< 2	< 1	27	0.06	< 20	3	< 2	< 10	8	< 10	6	16
B412413	0.039	0.032	0.39	3	< 1	20	0.04	< 20	3	< 2	< 10	6	< 10	5	14
B412414	0.051	0.033	0.27	< 2	1	24	0.06	< 20	3	< 2	< 10	9	< 10	6	17
B412415	0.029	0.033	0.30	< 2	< 1	18	0.05	< 20	< 1	< 2	< 10	7	< 10	5	16
B412416	0.030	0.034	0.36	< 2	< 1	20	0.05	< 20	2	< 2	< 10	7	< 10	5	15
B412417	0.015	0.026	1.37	11	2	18	0.06	< 20	1	< 2	< 10	14	< 10	5	15
B412418	0.045	0.024	0.44	< 2	< 1	23	0.04	< 20	< 1	< 2	< 10	5	< 10	5	19
B412419	0.071	0.032	0.28	< 2	< 1	23	0.08	< 20	3	< 2	< 10	9	< 10	5	16
B412420	0.063	0.037	0.49	4	7	38	0.36	< 20	7	< 2	< 10	148	< 10	8	15
B412421	0.075	0.024	0.15	< 2	< 1	26	0.06	20	< 1	< 2	< 10	6	< 10	6	20
B412422	0.057	0.030	0.47	2	< 1	25	0.06	< 20	< 1	< 2	< 10	7	< 10	5	17
B412423	0.035	0.035	0.49	< 2	< 1	20	0.05	< 20	3	< 2	< 10	6	< 10	6	16
B412424	0.066	0.025	0.27	< 2	< 1	22	0.04	< 20	< 1	< 2	< 10	4	< 10	7	16

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B412425	0.025	0.004	0.32	< 2	< 1	9	< 0.01	40	< 1	< 2	17	1	< 10	7	28
B412426	0.020	0.020	0.82	5	4	19	0.09	< 20	< 1	< 2	< 10	35	< 10	6	17
B412427	0.020	0.033	3.39	9	10	33	0.23	< 20	4	< 2	< 10	116	< 10	6	9
B412428	0.044	0.032	3.18	8	9	21	0.26	< 20	7	< 2	< 10	133	< 10	7	10
B412429	0.195	0.037	0.09	2	15	30	0.28	< 20	< 1	< 2	< 10	133	< 10	9	4
B412430	0.036	0.017	0.69	2	2	318	0.07	< 20	2	< 2	< 10	39	< 10	5	16
B412431	0.083	0.023	1.41	2	9	17	0.21	< 20	4	< 2	< 10	101	< 10	8	13
B412432	0.216	0.035	0.29	2	12	48	0.27	< 20	< 1	< 2	< 10	120	< 10	8	4
B412433	0.248	0.038	1.20	2	13	46	0.30	< 20	< 1	< 2	< 10	135	< 10	10	6
B412434	0.251	0.039	0.37	< 2	14	42	0.29	< 20	4	< 2	< 10	125	< 10	9	4
B412435	0.235	0.040	0.45	< 2	14	37	0.30	< 20	3	< 2	< 10	131	< 10	10	5
B412436	0.256	0.039	0.38	3	14	38	0.31	< 20	3	< 2	< 10	139	< 10	10	5
B412437	0.141	0.035	0.75	< 2	12	28	0.29	< 20	< 1	< 2	< 10	107	< 10	10	7
B412438	0.226	0.038	0.18	< 2	12	28	0.30	< 20	2	< 2	< 10	99	< 10	9	4
B412439	0.256	0.036	0.13	< 2	13	27	0.29	< 20	3	< 2	< 10	106	< 10	8	5
B412440	0.136	0.038	0.21	4	5	40	0.40	< 20	3	< 2	< 10	162	11	8	13
B412441	0.221	0.038	0.53	2	14	23	0.28	< 20	5	< 2	< 10	114	< 10	8	6
B412442	0.136	0.046	1.78	3	9	32	0.30	< 20	6	< 2	< 10	122	< 10	8	9
B412443	0.116	0.013	0.19	< 2	5	20	0.17	< 20	< 1	< 2	< 10	66	< 10	6	16
B412444	0.132	0.029	1.03	2	8	26	0.28	< 20	2	< 2	< 10	114	< 10	8	14
B412445	0.141	0.019	0.06	< 2	8	18	0.22	< 20	2	< 2	< 10	75	< 10	8	18
B412446	0.067	0.007	0.11	< 2	3	15	0.08	30	< 1	< 2	14	32	< 10	8	28
B412447	0.074	0.015	0.89	< 2	7	46	0.18	< 20	< 1	< 2	< 10	92	< 10	7	10
B412448	0.202	0.032	0.28	3	11	43	0.29	< 20	< 1	< 2	< 10	137	< 10	9	7
B412449	0.138	0.033	0.15	2	12	35	0.30	< 20	5	< 2	< 10	120	< 10	9	9
B412450	0.035	0.016	0.51	< 2	2	307	0.06	< 20	< 1	< 2	< 10	36	< 10	6	18
B412479	0.145	0.033	0.20	2	12	28	0.23	< 20	< 1	< 2	< 10	90	< 10	8	10
B412480	0.275	0.039	0.38	3	6	60	0.36	< 20	4	< 2	< 10	142	23	8	14
B412481	0.137	0.030	0.21	< 2	10	43	0.25	< 20	1	< 2	< 10	84	< 10	9	13
B412482	0.155	0.025	0.37	< 2	10	44	0.24	< 20	< 1	< 2	< 10	73	< 10	9	21
B412483	0.155	0.034	0.23	< 2	9	49	0.26	< 20	7	< 2	14	88	< 10	10	27
B412484	0.220	0.035	0.19	< 2	11	68	0.30	< 20	< 1	< 2	< 10	116	< 10	8	12
B412485	0.216	0.035	0.53	< 2	11	60	0.29	< 20	2	< 2	< 10	107	< 10	8	15
B412486	0.185	0.036	0.29	< 2	11	66	0.30	< 20	4	< 2	< 10	110	< 10	8	9
B412487	0.121	0.003	0.03	< 2	3	38	0.07	30	4	< 2	13	21	< 10	6	37
B412488	0.120	0.003	< 0.01	< 2	2	18	0.05	40	< 1	< 2	18	11	< 10	11	49
B412489	0.214	0.034	0.30	< 2	11	66	0.29	< 20	5	< 2	< 10	111	< 10	7	9
B412490	0.040	0.016	0.64	< 2	2	319	0.07	< 20	< 1	< 2	< 10	37	< 10	6	20
B412491	0.205	0.033	0.05	< 2	12	39	0.25	< 20	2	< 2	< 10	93	< 10	8	10
B412492	0.231	0.037	0.06	< 2	13	29	0.23	< 20	5	< 2	< 10	106	< 10	8	7
B412493	0.269	0.036	0.04	< 2	12	37	0.24	< 20	4	< 2	< 10	106	< 10	8	8
B412494	0.304	0.039	0.05	< 2	13	47	0.25	< 20	< 1	< 2	< 10	111	16	8	10
B412495	0.206	0.040	0.12	3	11	65	0.25	< 20	4	< 2	< 10	103	< 10	8	9
B412496	0.211	0.038	0.12	4	12	67	0.26	< 20	5	< 2	< 10	117	< 10	8	10
B412497	0.250	0.034	0.27	< 2	11	70	0.20	< 20	< 1	< 2	< 10	105	< 10	8	11
B412498	0.134	0.023	0.14	< 2	5	28	0.11	20	< 1	< 2	< 10	41	< 10	6	30
B412499	0.100	0.046	0.18	< 2	4	68	0.08	30	4	< 2	< 10	19	< 10	8	22
B412500	0.258	0.041	0.41	4	6	47	0.38	< 20	3	< 2	< 10	154	21	9	15
B412551	0.302	0.049	0.87	< 2	13	139	0.29	< 20	2	< 2	< 10	135	< 10	8	11
B412552	0.378	0.039	0.62	2	11	107	0.25	< 20	3	< 2	< 10	117	< 10	8	12
B412553	0.412	0.049	0.34	< 2	11	116	0.23	< 20	2	< 2	< 10	117	< 10	8	12



Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B412554	0.481	0.040	0.10	< 2	11	110	0.19	< 20	< 1	< 2	< 10	125	< 10	7	9
B412555	0.406	0.042	0.30	3	10	82	0.23	< 20	< 1	< 2	< 10	130	< 10	7	10
B412556	0.441	0.042	0.29	3	12	98	0.26	< 20	2	< 2	< 10	143	< 10	7	11
B412557	0.398	0.046	0.13	3	13	112	0.26	< 20	2	< 2	< 10	118	< 10	9	14
B412558	0.103	0.031	0.24	< 2	4	64	0.10	30	4	< 2	13	46	< 10	8	24
B412559	0.155	0.053	0.25	2	12	82	0.22	< 20	< 1	< 2	< 10	130	< 10	11	19
B412560	0.053	0.034	0.25	< 2	6	42	0.38	< 20	2	< 2	< 10	151	< 10	7	12
B412561	0.230	0.066	0.84	< 2	18	41	0.22	< 20	< 1	< 2	< 10	157	< 10	12	19
B412562	0.038	0.051	3.40	6	14	66	0.13	< 20	2	< 2	< 10	110	< 10	8	29
B412563	0.041	0.016	3.84	5	17	185	0.08	< 20	1	< 2	< 10	123	< 10	4	27
B412564	0.034	0.054	0.38	7	20	225	0.11	< 20	2	< 2	< 10	136	< 10	5	11
B412565	0.038	0.069	0.68	5	22	173	0.12	< 20	< 1	< 2	< 10	172	< 10	5	12
B412566	0.047	0.020	1.59	3	22	245	0.09	< 20	< 1	< 2	< 10	110	< 10	4	18
B412567	0.057	0.005	1.04	2	20	210	0.09	< 20	1	< 2	< 10	84	< 10	4	18
B412568	0.045	0.006	1.11	3	24	164	0.09	< 20	1	< 2	< 10	109	< 10	4	12
B412569	0.063	0.007	3.39	2	18	77	0.11	< 20	< 1	< 2	< 10	86	< 10	4	13
B412570	0.033	0.017	0.66	< 2	2	325	0.07	< 20	< 1	< 2	< 10	37	< 10	6	24
B412571	0.096	0.131	0.95	3	7	271	0.13	< 20	< 1	< 2	< 10	59	< 10	5	7
B412572	0.121	0.310	0.03	5	6	248	0.17	< 20	1	< 2	< 10	77	< 10	7	4
B412573	0.234	0.049	0.44	< 2	17	13	0.27	< 20	4	< 2	< 10	163	< 10	13	12
B412574	0.213	0.044	0.14	< 2	16	16	0.24	< 20	< 1	< 2	< 10	131	< 10	11	10
B412575	0.144	0.055	0.29	< 2	11	20	0.28	< 20	< 1	< 2	< 10	101	< 10	8	17
B412576	0.142	0.049	0.17	< 2	12	20	0.28	< 20	5	< 2	< 10	102	< 10	9	16
B412577	0.244	0.034	0.22	< 2	13	25	0.22	< 20	< 1	< 2	< 10	116	< 10	8	9
B412578	0.221	0.035	0.31	< 2	14	24	0.23	< 20	4	< 2	< 10	113	< 10	8	9
B412579	0.250	0.033	0.11	2	15	19	0.26	< 20	4	< 2	< 10	111	< 10	8	7
B412580	0.254	0.041	0.41	2	6	48	0.40	< 20	5	< 2	< 10	155	21	8	17
B412581	0.205	0.031	0.28	< 2	12	25	0.25	< 20	5	< 2	< 10	96	< 10	7	7
B412582	0.296	0.029	0.24	< 2	10	32	0.21	< 20	2	< 2	< 10	85	< 10	6	6
B412583	0.173	0.021	0.07	< 2	9	29	0.18	< 20	4	< 2	< 10	70	< 10	5	5

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas	0.3	< 0.5	69	1050	< 1	24	96	116	6.50	219	< 10	778	0.7	< 2	0.12	13	76	5.61	10	3	0.97	< 10	0.38
GXR-6 Cert	1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9	0.609
GXR-6 Meas	0.3	< 0.5	69	1050	< 1	24	98	118	6.55	218	< 10	779	0.7	< 2	0.12	13	76	5.72	20	< 1	0.96	< 10	0.38
GXR-6 Cert	1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9	0.609
GXR-6 Meas	0.3	< 0.5	66	1050	< 1	23	103	118	6.35	212	< 10	777	0.7	< 2	0.12	13	76	5.49	10	< 1	0.93	< 10	0.37
GXR-6 Cert	1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9	0.609
GXR-6 Meas	0.3	< 0.5	66	1060	1	22	85	113	6.61	218	< 10	755	0.7	< 2	0.12	13	74	5.58	20	2	0.97	< 10	0.39
GXR-6 Cert	1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9	0.609
OREAS 98 (Aqua Regia) Meas	43.9		> 10000				288	1170						21		108							
OREAS 98 (Aqua Regia) Cert	42.8		147000				343	1300						93		111							
OREAS 98 (Aqua Regia) Meas	44.1		> 10000				293	1190						< 2		109							
OREAS 98 (Aqua Regia) Cert	42.8		147000				343	1300						90		111							
OREAS 98 (Aqua Regia) Meas	44.8		> 10000				301	1230						16		108							
OREAS 98 (Aqua Regia) Cert	42.8		147000				343	1300						93		111							
OREAS 98 (Aqua Regia) Meas	39.6		> 10000				263	1210						13		99							
OREAS 98 (Aqua Regia) Cert	42.8		147000				343	1300						93		110							
OREAS 922 (AQUA REGIA) Meas	0.9	< 0.5	2190	783	< 1	33	61	247	2.74	8		71	0.7	7	0.37	20	44	4.94	< 10		0.40	33	1.25
OREAS 922 (AQUA REGIA) Cert	0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5	1.33
OREAS 922 (AQUA REGIA) Meas	5.3	< 0.5	2160	798	< 1	35	66	253	2.79	7		72	0.7	7	0.37	19	44	5.14	< 10		0.41	33	1.28
OREAS 922 (AQUA REGIA) Cert	0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5	1.33
OREAS 922 (AQUA REGIA) Meas	0.8	< 0.5	2180	785	< 1	35	61	249	2.77	7		72	0.7	9	0.37	20	45	5.08	< 10		0.40	32	1.27
OREAS 922 (AQUA REGIA) Cert	0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5	1.33
OREAS 922 (AQUA REGIA) Meas	0.8	< 0.5	2180	795	< 1	34	53	247	2.79	7		70	0.7	7	0.34	19	43	5.17	< 10		0.39	31	1.31
OREAS 922 (AQUA REGIA) Cert	0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5	1.33
OREAS 923 (AQUA REGIA) Meas	1.8	< 0.5	4350	895	< 1	30	86	323	2.82	8		55	0.6	22	0.37	22	41	5.96	< 10		0.34	30	1.37
OREAS 923 (AQUA REGIA) Cert	1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0	1.43
OREAS 923 (AQUA REGIA) Meas	1.6	< 0.5	4490	889	< 1	34	84	323	2.79	6		56	0.6	22	0.37	22	43	5.83	< 10		0.34	30	1.36
OREAS 923 (AQUA REGIA) Cert	1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0	1.43

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Cert																							
OREAS 923 (Aqua Regia) Meas	1.8	< 0.5	4220	903	< 1	35	88	339	2.80	7		58	0.6	24	0.37	22	43	5.80	< 10		0.34	30	1.36
OREAS 923 (Aqua Regia) Cert	1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0	1.43
OREAS 923 (Aqua Regia) Meas	1.6	< 0.5	4320	912	< 1	34	76	338	2.85	9		58	0.6	21	0.34	22	41	6.01	< 10		0.34	29	1.41
OREAS 923 (Aqua Regia) Cert	1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0	1.43
Oreas 96 (Aqua Regia) Meas	11.8		> 10000					90	400					29		47							
Oreas 96 (Aqua Regia) Cert	11.50		39100.00					100	448					27.9		49.2							
Oreas 96 (Aqua Regia) Meas	11.7		> 10000					93	414					8		47							
Oreas 96 (Aqua Regia) Cert	11.50		39100.00					100	448					27.9		49.2							
Oreas 96 (Aqua Regia) Meas	11.9		> 10000					96	429					18		47							
Oreas 96 (Aqua Regia) Cert	11.50		39100.00					100	448					27.9		49.2							
Oreas 96 (Aqua Regia) Meas	12.7		> 10000					88	430					< 2		46							
Oreas 96 (Aqua Regia) Cert	11.50		39100.00					100	448					27.9		49.2							
Oreas 621 (Aqua Regia) Meas	70.1	251	3380	546	12	22	> 5000	> 10000	1.60	73			0.5	< 2	1.54	30	30	3.21	< 10	3	0.31	19	0.41
Oreas 621 (Aqua Regia) Cert	68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4	0.436
Oreas 621 (Aqua Regia) Meas	73.2	291	3560	555	13	29	> 5000	> 10000	1.66	77			0.5	< 2	1.58	30	34	3.24	< 10	4	0.31	19	0.42
Oreas 621 (Aqua Regia) Cert	68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4	0.436
Oreas 621 (Aqua Regia) Meas	69.8	269	3330	552	13	22	> 5000	> 10000	1.60	75			0.5	< 2	1.57	30	28	3.19	< 10	3	0.30	19	0.41
Oreas 621 (Aqua Regia) Cert	68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4	0.436
Oreas 621 (Aqua Regia) Meas	69.1	269	3520	565	13	28	> 5000	> 10000	1.74	77			0.6	< 2	1.64	30	37	3.37	< 10	3	0.31	21	0.44
Oreas 621 (Aqua Regia) Cert	68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4	0.436
OREAS 45f (Aqua Regia) Meas			370	177	1	261	8	25	6.98			132	0.9	3	0.06	40	349	15.1	20	< 1	0.10	< 10	0.18
OREAS 45f (Aqua Regia) Cert			336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750	39.2	341	13.7	20.3	0.0310	0.0820	10.7	0.152
OREAS 45f (Aqua Regia) Meas			362	177	< 1	249	10	26	6.91			132	0.9	3	0.06	39	347	14.6	20	4	0.10	< 10	0.17
OREAS 45f (Aqua Regia) Cert			336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750	39.2	341	13.7	20.3	0.0310	0.0820	10.7	0.152
OREAS 45f (Aqua Regia) Meas			364	178	< 1	260	10	26	6.91			132	0.9	2	0.06	40	349	14.7	20	< 1	0.10	< 10	0.17
OREAS 45f (Aqua Regia) Cert			336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750	39.2	341	13.7	20.3	0.0310	0.0820	10.7	0.152
B412474 Orig	0.3	< 0.5	32	946	< 1	41	18	82	2.17	3	< 10	45	< 0.5	< 2	5.23	19	46	3.85	< 10	< 1	0.50	10	1.90
B412474 Dup	0.3	< 0.5	31	929	< 1	39	18	80	2.11	3	< 10	44	< 0.5	< 2	5.12	19	45	3.74	< 10	< 1	0.49	< 10	1.84

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B412393 Orig	< 0.2	< 0.5	13	239	< 1	4	11	19	0.96	29	< 10	32	< 0.5	< 2	0.58	6	4	1.19	< 10	< 1	0.20	27	0.36
B412393 Dup	< 0.2	< 0.5	12	235	< 1	4	11	19	0.94	31	< 10	31	< 0.5	< 2	0.57	6	4	1.17	< 10	< 1	0.20	27	0.35
B412409 Orig	< 0.2	< 0.5	6	214	1	3	15	21	0.75	11	< 10	30	< 0.5	< 2	0.75	5	4	1.19	< 10	< 1	0.15	33	0.30
B412409 Dup	< 0.2	< 0.5	5	207	1	3	14	19	0.73	12	< 10	29	< 0.5	< 2	0.74	5	4	1.14	< 10	< 1	0.15	32	0.29
B412423 Orig	0.5	< 0.5	10	237	< 1	3	22	36	1.04	107	< 10	28	< 0.5	< 2	1.23	6	2	1.12	< 10	< 1	0.34	28	0.38
B412423 Split PREP DUP	0.5	< 0.5	11	226	< 1	3	21	34	1.05	102	< 10	26	< 0.5	< 2	1.16	6	2	1.10	< 10	< 1	0.33	26	0.37
B412423 Orig	0.4	< 0.5	10	239	< 1	3	22	35	1.04	108	< 10	28	< 0.5	< 2	1.24	6	2	1.13	< 10	< 1	0.34	28	0.38
B412423 Dup	0.6	< 0.5	10	235	< 1	3	22	36	1.04	106	< 10	28	< 0.5	< 2	1.23	6	2	1.12	< 10	< 1	0.34	28	0.38
B412436 Orig	0.4	< 0.5	98	747	2	78	2	62	2.93	27	< 10	19	< 0.5	< 2	2.55	44	98	5.13	< 10	< 1	0.36	< 10	1.53
B412436 Dup	0.4	< 0.5	98	732	1	75	3	63	2.91	25	< 10	19	< 0.5	< 2	2.52	43	97	5.09	< 10	< 1	0.35	< 10	1.53
B412450 Orig	0.2	< 0.5	11	95	< 1	11	45	67	1.60	7	37	73	< 0.5	< 2	> 10.0	3	22	1.37	< 10	< 1	0.07	< 10	1.83
B412450 Dup	< 0.2	< 0.5	12	99	< 1	10	45	68	1.65	7	38	102	< 0.5	< 2	> 10.0	3	23	1.43	< 10	< 1	0.08	< 10	1.91
B412551 Orig	1.0	< 0.5	64	1540	< 1	81	4	109	3.09	3	< 10	102	< 0.5	2	5.08	46	108	7.42	< 10	3	1.04	< 10	3.20
B412551 Split PREP DUP	0.9	< 0.5	64	1680	< 1	79	5	104	3.05	5	< 10	97	< 0.5	< 2	5.37	44	105	7.51	< 10	< 1	1.02	< 10	3.42
B412551 Orig	1.1	< 0.5	64	1520	< 1	78	5	111	3.05	3	< 10	99	< 0.5	2	4.99	46	107	7.30	< 10	2	1.03	< 10	3.15
B412551 Dup	1.0	< 0.5	64	1570	1	84	3	107	3.13	3	< 10	104	< 0.5	2	5.17	46	110	7.53	10	4	1.06	< 10	3.24
B412565 Orig	0.9	< 0.5	79	1000	3	223	3	114	2.72	7	< 10	111	< 0.5	< 2	5.51	43	432	7.38	10	< 1	0.46	19	5.40
B412565 Dup	0.8	< 0.5	81	997	4	221	4	117	2.74	9	< 10	112	< 0.5	< 2	5.42	43	435	7.34	10	1	0.45	19	5.36
B412578 Orig	0.7	< 0.5	148	625	6	32	< 2	36	2.20	442	< 10	31	< 0.5	< 2	2.15	33	28	4.25	< 10	< 1	0.22	< 10	1.68
B412578 Dup	0.8	< 0.5	146	615	7	32	< 2	36	2.17	447	< 10	30	< 0.5	< 2	2.12	32	28	4.15	< 10	< 1	0.22	< 10	1.65
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas	0.081	0.033	0.01	5	15	28		< 20	< 1	< 2	< 10	159	< 10	3	8
GXR-6 Cert	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
GXR-6 Meas	0.082	0.033	0.01	4	15	28		< 20	< 1	< 2	< 10	160	< 10	3	9
GXR-6 Cert	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
GXR-6 Meas	0.080	0.032	0.01	4	14	27		< 20	< 1	< 2	< 10	157	< 10	3	7
GXR-6 Cert	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
GXR-6 Meas	0.082	0.033	0.01	4	18	28		< 20	< 1	< 2	< 10	161	< 10	4	9
GXR-6 Cert	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
OREAS 98 (Aqua Regia) Meas				15											
OREAS 98 (Aqua Regia) Cert				15											
OREAS 98 (Aqua Regia) Meas				15											
OREAS 98 (Aqua Regia) Cert				15											
OREAS 98 (Aqua Regia) Meas				16											
OREAS 98 (Aqua Regia) Cert				15											
OREAS 98 (Aqua Regia) Meas				18											
OREAS 98 (Aqua Regia) Cert				15											
OREAS 922 (AQUA REGIA) Meas	0.022	0.062	0.37	< 2	3	17		< 20		< 2	< 10	33	< 10	16	5
OREAS 922 (AQUA REGIA) Cert	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas	0.023	0.063	0.37	< 2	3	17		< 20		< 2	< 10	33	< 10	16	5
OREAS 922 (AQUA REGIA) Cert	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas	0.022	0.063	0.37	3	3	16		< 20		< 2	< 10	33	< 10	16	4
OREAS 922 (AQUA REGIA) Cert	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas	0.021	0.063	0.37	< 2	3	15		< 20		< 2	< 10	33	< 10	15	19
OREAS 922 (AQUA REGIA) Cert	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 923 (AQUA REGIA) Meas		0.060	0.68	< 2	3	15		< 20		< 2	< 10	32	< 10	14	5
OREAS 923 (AQUA REGIA) Cert		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 923 (AQUA REGIA) Meas		0.059	0.69	2	3	15		< 20		< 2	< 10	32	< 10	14	6
OREAS 923 (AQUA REGIA) Cert		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Cert															
OREAS 923 (AQUA REGIA) Meas		0.059	0.67	2	3	15		< 20		< 2	< 10	33	< 10	14	5
OREAS 923 (AQUA REGIA) Cert		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 923 (AQUA REGIA) Meas		0.061	0.68	3	3	14		< 20		< 2	< 10	33	< 10	14	21
OREAS 923 (AQUA REGIA) Cert		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
Oreas 96 (Aqua Regia) Meas			3.56	5											
Oreas 96 (Aqua Regia) Cert			4.38	4.53											
Oreas 96 (Aqua Regia) Meas			3.48	5											
Oreas 96 (Aqua Regia) Cert			4.38	4.53											
Oreas 96 (Aqua Regia) Meas			4.10	6											
Oreas 96 (Aqua Regia) Cert			4.38	4.53											
Oreas 96 (Aqua Regia) Meas			4.04	6											
Oreas 96 (Aqua Regia) Cert			4.38	4.53											
Oreas 621 (Aqua Regia) Meas	0.157	0.032	4.43	95	2	20		< 20		< 2	< 10	11	< 10	7	49
Oreas 621 (Aqua Regia) Cert	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
Oreas 621 (Aqua Regia) Meas	0.156	0.032	4.73	106	2	19		< 20		< 2	< 10	12	< 10	7	49
Oreas 621 (Aqua Regia) Cert	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
Oreas 621 (Aqua Regia) Meas	0.150	0.032	4.51	99	2	19		< 20		< 2	< 10	12	< 10	7	58
Oreas 621 (Aqua Regia) Cert	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
Oreas 621 (Aqua Regia) Meas	0.158	0.034	4.77	101	2	20		< 20		< 2	< 10	12	< 10	7	63
Oreas 621 (Aqua Regia) Cert	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
OREAS 45f (Aqua Regia) Meas	0.040	0.021	0.02		20	12	0.13	< 20		< 2	< 10	203		3	16
OREAS 45f (Aqua Regia) Cert	0.0320	0.0220	0.0270		31.4	13.2	0.0970	7.67		0.120	1.09	217		6.74	30.0
OREAS 45f (Aqua Regia) Meas	0.039	0.021	0.02		20	12	0.13	< 20		< 2	< 10	201		3	17
OREAS 45f (Aqua Regia) Cert	0.0320	0.0220	0.0270		31.4	13.2	0.0970	7.67		0.120	1.09	217		6.74	30.0
OREAS 45f (Aqua Regia) Meas	0.039	0.021	0.02		20	12	0.13	< 20		< 2	< 10	202		3	17
OREAS 45f (Aqua Regia) Cert	0.0320	0.0220	0.0270		31.4	13.2	0.0970	7.67		0.120	1.09	217		6.74	30.0
B412474 Orig	0.135	0.043	0.36	< 2	7	100	0.20	< 20	5	< 2	< 10	73	< 10	8	14
B412474 Dup	0.129	0.043	0.36	< 2	6	98	0.20	< 20	2	< 2	< 10	71	< 10	8	14

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B412393 Orig	0.054	0.033	0.23	< 2	1	46	0.07	< 20	2	< 2	< 10	11	< 10	4	12
B412393 Dup	0.054	0.034	0.23	< 2	1	45	0.07	< 20	3	< 2	< 10	10	< 10	4	14
B412409 Orig	0.068	0.031	0.20	< 2	2	40	0.09	< 20	< 1	< 2	< 10	10	< 10	7	20
B412409 Dup	0.064	0.031	0.19	< 2	2	40	0.09	< 20	4	< 2	< 10	10	< 10	7	20
B412423 Orig	0.035	0.035	0.49	< 2	< 1	20	0.05	< 20	3	< 2	< 10	6	< 10	6	16
B412423 Split PREP DUP	0.032	0.034	0.49	< 2	< 1	20	0.05	< 20	2	< 2	< 10	6	< 10	6	13
B412423 Orig	0.035	0.035	0.49	< 2	< 1	20	0.05	< 20	5	< 2	< 10	6	< 10	6	15
B412423 Dup	0.035	0.035	0.49	< 2	< 1	20	0.05	< 20	1	< 2	< 10	6	< 10	6	16
B412436 Orig	0.256	0.040	0.38	3	14	38	0.31	< 20	2	< 2	< 10	141	< 10	10	5
B412436 Dup	0.256	0.039	0.37	2	14	37	0.30	< 20	4	< 2	< 10	137	< 10	10	5
B412450 Orig	0.034	0.016	0.50	< 2	2	298	0.06	< 20	< 1	< 2	< 10	36	< 10	6	18
B412450 Dup	0.037	0.016	0.52	< 2	2	315	0.06	< 20	< 1	< 2	< 10	37	< 10	6	17
B412551 Orig	0.302	0.049	0.87	< 2	13	139	0.29	< 20	2	< 2	< 10	135	< 10	8	11
B412551 Split PREP DUP	0.305	0.047	0.91	< 2	12	143	0.28	< 20	2	< 2	< 10	133	< 10	8	10
B412551 Orig	0.297	0.048	0.86	3	13	137	0.28	< 20	2	< 2	< 10	133	< 10	8	11
B412551 Dup	0.307	0.050	0.89	< 2	13	142	0.29	< 20	2	< 2	< 10	136	< 10	8	10
B412565 Orig	0.037	0.069	0.69	5	22	173	0.12	< 20	< 1	< 2	< 10	173	< 10	5	12
B412565 Dup	0.039	0.069	0.68	4	23	173	0.12	< 20	< 1	< 2	< 10	172	< 10	5	13
B412578 Orig	0.223	0.035	0.31	< 2	14	25	0.23	< 20	4	< 2	< 10	114	< 10	8	9
B412578 Dup	0.219	0.034	0.31	< 2	14	24	0.23	< 20	4	< 2	< 10	112	< 10	8	9
Method Blank	0.007	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.006	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.006	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.006	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.007	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.008	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.006	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.007	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1



Report No.: A21-22548-1E3
Report Date: 14-Feb-22
Date Submitted: 02-Dec-21
Your Reference: LINGMAN LAKE FALL 2021

SIGNATURE RESOURCES LTD
235 Eleventh Line
Collingwood ON L9Y5G6
Canada

ATTN: P.GEO. Walter Hanych

CERTIFICATE OF ANALYSIS

125 Core samples were submitted for analysis.

Table with 2 columns: The following analytical package(s) were requested: and Testing Date:
1E3-Tbay | QOP AquaGeo (Aqua Regia ICPOES) | 2022-02-10 21:11:30

REPORT A21-22548-1E3

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Notes:

Values which exceed the upper limit should be assayed for accurate numbers.



LabID: 673

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CERTIFIED BY:

Handwritten signature of Emmanuel Esemé

Emmanuel Esemé, Ph.D.
Quality Control Coordinator



## Results

## Activation Laboratories Ltd.

## Report: A21-22548

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2		0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B412584	< 0.2	< 0.5	121	638	5	47	< 2	58	1.48	44	< 10	14	< 0.5	< 2	2.22	39	108	4.84	< 10	< 1	0.12	< 10	1.51
B412585	0.2	< 0.5	275	846	3	28	< 2	107	2.50	31	< 10	48	< 0.5	< 2	2.33	38	10	7.65	< 10	< 1	0.32	< 10	1.62
B412586	0.4	< 0.5	320	966	5	130	< 2	115	3.13	151	< 10	26	< 0.5	< 2	1.85	60	295	8.43	< 10	2	0.27	< 10	2.29
B412587	1.3	< 0.5	429	418	8	236	25	43	0.89	219	< 10	13	< 0.5	4	0.29	87	244	3.92	< 10	< 1	0.06	< 10	0.69
B412588	0.6	< 0.5	256	728	18	240	9	93	2.03	897	< 10	29	< 0.5	< 2	1.15	68	271	5.39	< 10	< 1	0.25	< 10	1.50
B412589	< 0.2	< 0.5	38	596	< 1	172	< 2	60	2.67	29	< 10	122	< 0.5	< 2	2.32	34	460	4.30	< 10	< 1	0.69	< 10	2.80
B412590	< 0.2	< 0.5	13	96	< 1	15	42	65	1.63	8	42	112	< 0.5	< 2	> 10.0	2	25	1.55	< 10	< 1	0.25	< 10	2.01
B412591	0.2	< 0.5	39	1110	< 1	151	< 2	60	2.76	34	< 10	62	< 0.5	< 2	5.92	29	347	4.38	< 10	< 1	0.48	< 10	3.23
B412592	1.1	< 0.5	531	905	< 1	170	< 2	61	3.14	14	< 10	40	< 0.5	3	0.64	38	223	9.93	< 10	< 1	0.65	< 10	3.00
B412593	0.6	< 0.5	257	821	4	114	< 2	50	2.26	22	< 10	25	< 0.5	< 2	2.59	49	190	7.18	< 10	< 1	0.21	< 10	2.30
B412594	0.4	< 0.5	202	776	< 1	79	< 2	62	2.02	19	< 10	32	< 0.5	< 2	2.95	38	172	5.70	< 10	< 1	0.18	< 10	2.02
B412595	0.3	< 0.5	168	976	7	91	< 2	52	2.38	27	< 10	19	< 0.5	< 2	3.27	38	182	6.01	< 10	< 1	0.13	< 10	2.17
B412596	0.3	< 0.5	146	978	16	90	< 2	54	2.50	37	< 10	25	< 0.5	< 2	3.08	40	187	6.12	< 10	< 1	0.15	< 10	2.29
B412597	0.3	< 0.5	172	1160	4	163	< 2	61	4.07	939	< 10	35	< 0.5	< 2	0.39	56	361	11.3	10	< 1	0.32	< 10	2.97
B412598	0.5	< 0.5	197	1210	5	109	< 2	64	3.28	97	< 10	< 10	< 0.5	< 2	3.00	46	234	8.02	< 10	< 1	0.11	< 10	2.79
B412599	0.6	< 0.5	221	957	3	74	< 2	62	2.44	56	< 10	34	< 0.5	< 2	3.20	44	158	6.25	< 10	< 1	0.22	< 10	1.92
B412600	< 0.2	< 0.5	25	239	< 1	59	9	77	2.79	326	< 10	103	1.3	< 2	0.24	13	104	3.68	< 10	< 1	1.00	30	1.31
B412601	0.4	< 0.5	260	1480	2	192	2	413	4.54	758	< 10	< 10	< 0.5	< 2	0.15	74	329	13.5	10	< 1	0.03	< 10	2.81
B412602	0.5	0.6	251	978	3	238	< 2	275	4.45	132	< 10	< 10	< 0.5	< 2	0.33	70	657	10.3	10	< 1	0.06	< 10	3.95
B412603	0.6	< 0.5	326	676	10	119	< 2	63	2.45	95	< 10	< 10	< 0.5	< 2	1.89	52	234	5.65	< 10	< 1	0.09	< 10	2.53
B412604	0.4	< 0.5	145	603	< 1	108	< 2	45	1.72	54	< 10	< 10	< 0.5	< 2	2.29	34	291	4.12	< 10	< 1	0.08	< 10	1.82
B412605	0.5	< 0.5	212	677	< 1	69	< 2	49	1.54	42	< 10	< 10	< 0.5	< 2	2.55	37	175	4.83	< 10	< 1	0.06	< 10	1.55
B412606	0.6	< 0.5	240	730	< 1	65	< 2	53	1.72	45	< 10	< 10	< 0.5	< 2	3.27	40	138	5.10	< 10	< 1	0.08	< 10	1.55
B412607	0.5	< 0.5	201	737	< 1	61	< 2	53	1.72	44	< 10	< 10	< 0.5	< 2	3.42	40	137	4.91	< 10	< 1	0.09	< 10	1.57
B412608	1.0	< 0.5	374	692	< 1	62	< 2	50	1.68	48	< 10	< 10	< 0.5	< 2	2.98	39	137	4.84	< 10	< 1	0.07	< 10	1.51
B412609	0.6	< 0.5	219	692	1	59	< 2	42	1.65	51	< 10	< 10	< 0.5	< 2	3.31	40	132	5.09	< 10	< 1	0.07	< 10	1.53
B412610	< 0.2	< 0.5	12	92	< 1	11	41	62	1.54	9	40	74	< 0.5	< 2	> 10.0	3	25	1.44	< 10	< 1	0.24	< 10	1.89
B412611	0.6	< 0.5	222	663	2	57	< 2	49	1.79	45	< 10	< 10	< 0.5	< 2	3.02	37	111	5.03	< 10	< 1	0.08	< 10	1.57
B412612	0.8	< 0.5	215	619	3	69	< 2	66	2.81	28	< 10	< 10	< 0.5	< 2	1.15	40	94	7.03	< 10	< 1	0.04	< 10	2.77
B412613	0.6	< 0.5	118	836	< 1	135	< 2	45	1.90	123	< 10	< 10	< 0.5	< 2	4.08	38	298	4.33	< 10	< 1	0.07	< 10	2.40
B412614	0.7	< 0.5	52	774	1	192	< 2	70	3.28	198	< 10	< 10	< 0.5	< 2	1.63	38	460	5.99	< 10	< 1	0.06	< 10	3.75
B412615	9.2	5.2	156	896	41	128	863	876	2.93	5590	< 10	< 10	< 0.5	< 2	1.89	54	167	7.64	< 10	< 1	0.05	< 10	2.64
B412616	1.1	< 0.5	190	1110	19	68	7	71	2.07	2600	< 10	< 10	< 0.5	< 2	4.51	48	70	6.26	< 10	< 1	0.06	< 10	2.03
B412617	0.5	< 0.5	128	813	34	52	< 2	65	1.96	38	< 10	< 10	< 0.5	< 2	3.03	37	63	5.69	< 10	< 1	0.10	< 10	1.57
B412618	0.5	< 0.5	126	796	21	52	< 2	62	1.90	26	< 10	< 10	< 0.5	< 2	3.01	36	61	5.59	< 10	< 1	0.10	< 10	1.54
B412619	1.3	< 0.5	437	788	11	58	< 2	72	2.03	24	< 10	< 10	< 0.5	< 2	2.82	40	61	5.84	< 10	< 1	0.10	< 10	1.58
B412620	1.7	< 0.5	140	637	3	131	18	62	3.07	40	26	38	< 0.5	2	2.94	30	343	5.26	< 10	< 1	0.17	< 10	2.98
B412621	0.6	< 0.5	202	707	1	46	< 2	61	1.70	32	< 10	< 10	< 0.5	< 2	2.70	35	54	5.12	< 10	< 1	0.08	< 10	1.43
B412622	0.7	< 0.5	266	771	5	62	< 2	65	2.13	86	< 10	< 10	< 0.5	< 2	2.61	49	65	6.37	< 10	< 1	0.07	< 10	1.58
B412623	0.5	< 0.5	201	912	7	74	< 2	84	2.61	70	< 10	< 10	< 0.5	< 2	2.85	48	72	7.68	< 10	< 1	0.08	< 10	1.99
B412624	0.4	< 0.5	154	806	6	62	< 2	68	1.95	77	< 10	< 10	< 0.5	< 2	3.33	47	52	5.86	< 10	< 1	0.06	< 10	1.63
B412625	0.3	< 0.5	135	853	14	55	< 2	67	2.08	65	< 10	10	< 0.5	< 2	3.23	44	65	6.16	< 10	< 1	0.09	< 10	1.74
B412626	0.3	< 0.5	169	829	7	70	< 2	67	2.19	51	< 10	< 10	< 0.5	< 2	3.25	46	69	6.39	< 10	< 1	0.10	< 10	1.70
B412627	0.4	< 0.5	223	840	6	49	< 2	67	2.03	48	< 10	< 10	< 0.5	< 2	3.67	43	50	5.92	< 10	< 1	0.07	< 10	1.58
B412628	0.7	< 0.5	167	898	8	54	< 2	66	2.05	43	< 10	< 10	< 0.5	< 2	3.86	40	48	6.49	< 10	< 1	0.03	< 10	1.68
B412629	0.7	< 0.5	155	709	6	50	< 2	65	1.67	42	< 10	< 10	< 0.5	< 2	2.99	37	64	5.21	< 10	< 1	0.04	< 10	1.42
B412630	< 0.2	< 0.5	13	94	< 1	11	41	64	1.56	8	41	92	< 0.5	< 2	> 10.0	3	22	1.46	< 10	< 1	0.13	< 10	1.91
B412631	0.9	< 0.5	225	1070	2	65	< 2	97	2.82	54	< 10	< 10	< 0.5	< 2	4.08	44	58	8.14	< 10	< 1	0.03	< 10	2.19
B412632	< 0.2	< 0.5	8	325	8	9	10	39	1.18	11	< 10	16	< 0.5	< 2	0.73	9	7	2.02	< 10	< 1	0.10	14	0.74
B412633	0.2	< 0.5	38	519	5	19	3	43	1.57	18	< 10	13	< 0.5	< 2	2.15	12	14	3.35	< 10	< 1	0.08	13	1.09
B412634	1.3	< 0.5	176	916	4	52	< 2	71	2.41	60	< 10	< 10	< 0.5	< 2	5.01	37	53	6.56	< 10	< 1	0.02	< 10	1.89

## Results

## Activation Laboratories Ltd.

## Report: A21-22548

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2		0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B412635	0.8	< 0.5	149	967	7	64	< 2	72	2.57	94	< 10	< 10	< 0.5	< 2	4.61	51	71	6.78	< 10	< 1	0.02	< 10	2.13
B412636	0.8	< 0.5	134	974	5	63	< 2	71	2.54	78	< 10	< 10	< 0.5	< 2	5.36	43	64	6.70	< 10	< 1	0.02	< 10	2.10
B412637	1.1	< 0.5	233	1170	16	82	< 2	82	3.26	107	< 10	< 10	< 0.5	3	4.42	48	69	8.84	10	< 1	0.02	< 10	2.72
B412638	0.6	< 0.5	111	915	25	55	3	51	2.20	94	< 10	< 10	< 0.5	< 2	4.41	43	69	6.47	< 10	< 1	0.04	< 10	1.90
B412639	0.7	< 0.5	179	843	26	54	< 2	51	2.07	79	< 10	< 10	< 0.5	3	2.90	48	48	6.36	< 10	< 1	0.04	< 10	1.70
B412640	1.2	< 0.5	140	657	3	110	15	66	2.94	30	31	33	< 0.5	< 2	2.78	31	271	5.52	< 10	< 1	0.14	< 10	2.65
B412641	0.9	< 0.5	192	823	6	47	< 2	61	1.96	60	< 10	< 10	< 0.5	3	2.80	44	50	6.00	< 10	< 1	0.06	< 10	1.59
B412642	1.0	< 0.5	257	788	3	63	< 2	61	1.85	69	< 10	< 10	< 0.5	< 2	2.86	42	49	5.64	< 10	< 1	0.05	< 10	1.57
B412643	0.7	< 0.5	174	848	7	54	< 2	67	2.12	103	< 10	< 10	< 0.5	< 2	2.71	48	51	6.26	< 10	< 1	0.05	< 10	1.75
B412644	0.6	< 0.5	139	900	3	57	< 2	70	2.51	87	< 10	< 10	< 0.5	< 2	2.99	44	55	6.86	< 10	< 1	0.06	< 10	2.10
B412645	0.3	< 0.5	234	532	< 1	185	< 2	53	1.53	49	< 10	< 10	< 0.5	< 2	1.55	64	175	5.69	< 10	< 1	0.06	< 10	1.60
B412646	< 0.2	< 0.5	228	689	9	52	< 2	54	1.61	51	< 10	19	< 0.5	< 2	2.86	39	100	4.68	< 10	< 1	0.11	< 10	1.56
B412647	< 0.2	< 0.5	265	655	< 1	50	< 2	47	1.48	54	< 10	15	< 0.5	< 2	3.04	38	97	4.26	< 10	< 1	0.11	< 10	1.41
B412648	< 0.2	< 0.5	205	634	2	44	< 2	48	1.43	48	< 10	12	< 0.5	< 2	2.68	35	78	4.02	< 10	< 1	0.10	< 10	1.25
B412649	0.4	< 0.5	128	1030	11	89	< 2	77	2.89	74	< 10	< 10	< 0.5	< 2	2.30	53	109	6.37	< 10	< 1	0.09	< 10	1.72
B412650	< 0.2	< 0.5	12	92	< 1	10	42	63	1.53	9	40	100	< 0.5	< 2	> 10.0	2	23	1.43	< 10	< 1	0.07	< 10	1.88
B412651	6.2	< 0.5	175	1210	5	97	5	85	2.61	7720	< 10	< 10	< 0.5	< 2	0.52	53	99	9.47	< 10	< 1	0.17	< 10	1.70
B412652	10.3	< 0.5	103	826	3	92	3	100	2.50	4160	< 10	< 10	< 0.5	< 2	2.77	44	115	7.22	< 10	< 1	0.20	< 10	2.02
B412653	0.6	< 0.5	92	903	9	72	< 2	91	3.05	1270	< 10	< 10	< 0.5	< 2	3.29	40	102	7.16	< 10	< 1	0.11	< 10	2.64
B412654	0.4	< 0.5	100	914	22	75	< 2	79	2.90	565	< 10	< 10	< 0.5	< 2	4.23	39	100	6.75	< 10	< 1	0.13	< 10	2.17
B412655	0.3	< 0.5	122	763	7	66	< 2	74	2.80	73	< 10	< 10	< 0.5	< 2	2.99	41	98	6.44	< 10	< 1	0.14	< 10	1.99
B412656	0.3	< 0.5	147	769	10	70	3	76	2.79	53	< 10	< 10	< 0.5	< 2	2.96	40	102	6.59	< 10	< 1	0.13	< 10	2.04
B412657	0.2	< 0.5	90	638	3	65	< 2	62	3.31	37	< 10	< 10	< 0.5	< 2	2.12	41	86	5.83	< 10	< 1	0.11	< 10	2.38
B412658	0.2	< 0.5	98	604	1	61	< 2	61	3.28	49	< 10	< 10	< 0.5	< 2	2.46	43	89	5.47	< 10	< 1	0.13	< 10	2.18
B412659	0.3	< 0.5	105	619	13	50	< 2	51	2.73	43	< 10	< 10	< 0.5	< 2	2.27	37	80	5.35	< 10	< 1	0.14	< 10	2.01
B412660	< 0.2	< 0.5	174	756	< 1	53	9	88	3.91	27	27	20	< 0.5	< 2	3.25	30	21	6.33	< 10	< 1	0.09	< 10	1.83
B412661	0.6	< 0.5	235	442	< 1	76	2	39	1.80	1160	< 10	< 10	< 0.5	< 2	1.45	49	89	7.09	< 10	2	0.13	< 10	1.37
B412662	0.2	< 0.5	60	504	2	50	< 2	38	2.28	22	< 10	< 10	< 0.5	< 2	2.04	30	78	4.41	< 10	< 1	0.13	< 10	1.73
B412663	0.4	< 0.5	114	519	2	56	15	43	2.23	14	< 10	< 10	< 0.5	< 2	2.08	34	78	4.98	< 10	< 1	0.09	< 10	1.58
B412664	0.2	< 0.5	108	658	4	47	6	59	2.94	16	< 10	23	< 0.5	< 2	2.42	32	84	5.47	< 10	< 1	0.55	< 10	1.84
B412665	0.3	< 0.5	118	650	3	45	3	52	2.62	62	< 10	13	< 0.5	< 2	2.68	30	74	5.18	< 10	< 1	0.33	< 10	1.70
B412666	0.3	< 0.5	114	657	2	46	5	53	2.60	26	< 10	10	< 0.5	< 2	2.69	30	76	5.33	< 10	< 1	0.27	< 10	1.70
B412667	< 0.2	< 0.5	133	615	2	44	4	57	2.59	96	< 10	16	< 0.5	< 2	2.19	30	73	5.06	< 10	< 1	0.40	< 10	1.65
B412668	0.3	< 0.5	125	621	4	48	2	48	2.54	129	< 10	32	< 0.5	< 2	1.79	30	81	5.27	< 10	< 1	0.58	< 10	1.53
B412669	< 0.2	< 0.5	69	684	7	45	3	44	2.29	81	< 10	32	< 0.5	< 2	2.77	28	77	4.74	< 10	< 1	0.64	< 10	1.54
B412670	< 0.2	< 0.5	13	92	< 1	13	41	62	1.55	6	40	70	< 0.5	< 2	> 10.0	3	25	1.44	< 10	< 1	0.22	< 10	1.89
B412671	0.3	< 0.5	124	661	5	62	2	54	2.65	79	< 10	31	< 0.5	< 2	2.55	34	94	5.41	< 10	< 1	0.63	< 10	1.79
B412672	0.3	< 0.5	117	585	5	60	< 2	42	2.29	57	< 10	< 10	< 0.5	< 2	1.95	38	77	4.61	< 10	< 1	0.09	< 10	1.58
B412673	0.5	< 0.5	93	704	7	87	< 2	56	3.38	6	< 10	38	< 0.5	< 2	2.96	35	91	5.23	< 10	< 1	1.05	< 10	2.22
B412674	0.5	< 0.5	71	914	3	104	5	61	2.78	9	< 10	57	< 0.5	< 2	3.28	47	101	7.06	< 10	< 1	1.42	< 10	2.34
B412675	0.8	< 0.5	74	987	3	91	< 2	65	3.17	36	< 10	46	< 0.5	< 2	4.01	43	89	6.79	< 10	< 1	1.27	< 10	2.59
B412676	0.6	< 0.5	61	886	5	77	5	59	2.95	34	< 10	41	< 0.5	< 2	3.58	40	82	6.07	< 10	< 1	1.12	< 10	2.42
B412677	0.7	< 0.5	208	806	4	101	3	95	2.42	6	< 10	109	< 0.5	< 2	2.31	41	82	5.86	< 10	< 1	0.80	< 10	2.26
B412678	0.9	< 0.5	118	611	3	77	6	70	2.17	5	< 10	54	< 0.5	< 2	1.90	33	73	5.09	< 10	< 1	0.77	< 10	1.93
B412679	1.4	< 0.5	114	810	2	92	< 2	102	2.95	5	< 10	103	< 0.5	< 2	2.28	38	91	6.47	< 10	< 1	1.08	< 10	2.64
B412680	2.3	0.7	191	732	1	47	27	130	3.51	65	58	33	< 0.5	< 2	3.07	29	30	6.30	< 10	< 1	0.17	< 10	1.75
B412681	0.4	< 0.5	62	971	2	101	3	160	3.57	7	< 10	118	< 0.5	< 2	2.45	44	113	7.54	10	< 1	1.12	< 10	2.96
B412682	1.0	< 0.5	109	962	2	102	11	152	3.20	5	< 10	98	< 0.5	3	3.05	48	116	7.65	< 10	< 1	0.88	< 10	2.78
B412683	0.7	< 0.5	11	962	< 1	21	15	42	1.39	< 2	< 10	34	< 0.5	5	5.15	13	27	2.87	< 10	< 1	0.45	16	2.00
B412684	0.6	0.6	10	2010	< 1	60	7	88	2.01	4	< 10	55	< 0.5	< 2	> 10.0	24	75	7.53	< 10	< 1	1.08	< 10	6.82
B412685	1.3	< 0.5	58	1600	2	100	5	94	2.83	5	< 10	115	< 0.5	< 2	> 10.0	36	109	8.26	< 10	< 1	2.88	< 10	4.58

## Results

## Activation Laboratories Ltd.

Report: A21-22548

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2		0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B412686	1.0	< 0.5	28	2720	< 1	38	20	45	2.70	6	< 10	99	< 0.5	< 2	> 10.0	15	42	5.56	< 10	< 1	2.50	< 10	5.62
B412687	0.6	< 0.5	14	2530	< 1	27	10	37	1.68	5	< 10	64	< 0.5	< 2	> 10.0	13	31	3.94	< 10	< 1	1.49	< 10	4.60
B412688	0.3	< 0.5	4	2940	< 1	14	23	36	1.17	< 2	< 10	42	< 0.5	3	> 10.0	5	17	3.23	< 10	< 1	0.83	< 10	6.94
B412689	0.3	< 0.5	11	2730	< 1	10	14	39	0.96	2	< 10	18	< 0.5	4	> 10.0	4	10	4.81	< 10	< 1	0.40	< 10	7.08
B412690	< 0.2	< 0.5	13	99	< 1	11	41	65	1.64	8	42	68	< 0.5	< 2	> 10.0	3	24	1.51	< 10	< 1	0.15	< 10	2.00
B412691	0.5	< 0.5	7	3070	< 1	25	14	54	1.57	3	< 10	42	< 0.5	< 2	> 10.0	10	31	4.54	< 10	< 1	0.66	< 10	6.64
B412692	4.9	< 0.5	193	1370	5	120	11	134	3.22	11	< 10	37	< 0.5	< 2	5.23	50	131	9.74	< 10	< 1	0.60	< 10	3.55
B412693	3.2	< 0.5	199	761	9	96	4	110	2.48	< 2	< 10	44	< 0.5	< 2	2.82	39	130	7.32	< 10	< 1	0.32	< 10	2.70
B412694	2.3	< 0.5	262	826	6	62	5	90	3.06	3	< 10	54	< 0.5	< 2	3.20	46	58	7.59	< 10	< 1	0.53	< 10	3.01
B412695	1.1	< 0.5	220	630	13	40	< 2	66	2.23	4	< 10	57	< 0.5	< 2	2.23	43	24	6.04	< 10	< 1	0.50	< 10	2.34
B412696	0.9	< 0.5	214	614	6	40	< 2	64	2.27	2	< 10	53	< 0.5	< 2	2.14	43	27	6.08	< 10	< 1	0.60	< 10	2.34
B412697	2.2	< 0.5	183	609	21	50	< 2	65	2.39	5	< 10	78	< 0.5	< 2	1.94	41	43	5.84	< 10	< 1	0.50	< 10	2.44
B412698	1.0	< 0.5	138	559	5	46	3	57	2.37	2	< 10	44	< 0.5	< 2	2.16	36	45	5.59	< 10	< 1	0.25	< 10	2.60
B412699	1.1	< 0.5	62	547	28	55	< 2	60	2.09	3	< 10	48	< 0.5	< 2	2.26	28	76	4.29	< 10	< 1	0.25	< 10	2.45
B412700	1.1	< 0.5	137	645	3	109	14	65	2.86	34	30	31	< 0.5	< 2	2.76	30	272	5.39	< 10	< 1	0.14	< 10	2.55
B412701	4.0	< 0.5	90	430	49	140	16	72	1.84	11	< 10	11	< 0.5	< 2	2.50	22	376	3.25	< 10	< 1	0.06	59	2.29
B412702	2.7	< 0.5	61	395	380	86	5	61	1.51	4	< 10	50	< 0.5	< 2	1.64	26	179	3.49	< 10	1	0.23	15	1.98
B412703	0.8	< 0.5	157	589	107	28	< 2	32	1.52	< 2	< 10	78	< 0.5	< 2	2.12	25	23	4.04	< 10	< 1	0.25	< 10	1.67
B412704	0.8	< 0.5	208	597	12	31	< 2	35	1.48	< 2	< 10	33	< 0.5	< 2	2.00	27	22	4.22	< 10	< 1	0.18	< 10	1.63
B412705	< 0.2	< 0.5	27	277	1620	40	< 2	22	1.30	5	< 10	< 10	< 0.5	< 2	1.99	15	63	1.71	< 10	< 1	0.04	< 10	1.07
B412706	< 0.2	< 0.5	143	377	42	30	< 2	24	1.18	< 2	< 10	23	< 0.5	< 2	1.34	21	41	3.21	< 10	< 1	0.21	< 10	1.08
B412707	< 0.2	< 0.5	121	347	11	26	< 2	21	1.22	< 2	< 10	< 10	< 0.5	< 2	1.57	19	39	3.06	< 10	< 1	0.11	< 10	0.98
B412708	< 0.2	< 0.5	13	316	113	31	< 2	22	1.19	< 2	< 10	12	< 0.5	< 2	1.35	14	48	1.95	< 10	< 1	0.16	< 10	1.03

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B412584	0.169	0.034	0.09	< 2	8	11	0.22	< 20	< 1	< 2	< 10	84	< 10	7	9
B412585	0.201	0.045	0.14	2	8	12	0.26	< 20	1	< 2	< 10	131	< 10	8	10
B412586	0.130	0.034	0.33	5	12	14	0.25	< 20	5	< 2	< 10	151	< 10	8	9
B412587	0.026	0.005	1.40	< 2	7	5	0.09	< 20	3	< 2	< 10	67	< 10	4	6
B412588	0.103	0.023	0.33	3	9	7	0.14	< 20	< 1	< 2	< 10	116	< 10	7	11
B412589	0.142	0.057	0.11	3	5	35	0.19	< 20	3	< 2	< 10	74	< 10	4	11
B412590	0.068	0.018	0.74	< 2	2	334	0.06	< 20	< 1	< 2	< 10	37	< 10	5	16
B412591	0.072	0.042	0.22	2	3	60	0.15	< 20	5	< 2	< 10	69	< 10	4	8
B412592	0.048	0.044	2.37	4	13	7	0.22	< 20	1	< 2	< 10	159	< 10	4	12
B412593	0.164	0.034	1.12	3	9	20	0.21	< 20	< 1	< 2	< 10	117	< 10	6	10
B412594	0.223	0.036	0.20	3	9	21	0.21	< 20	3	< 2	< 10	100	< 10	6	7
B412595	0.182	0.036	0.40	2	9	30	0.19	< 20	5	< 2	< 10	102	< 10	7	6
B412596	0.163	0.036	0.34	4	9	29	0.19	< 20	5	< 2	< 10	102	< 10	6	6
B412597	0.040	0.035	0.67	6	19	10	0.17	< 20	2	< 2	< 10	213	< 10	8	8
B412598	0.206	0.040	0.16	< 2	13	32	0.21	< 20	< 1	< 2	< 10	135	< 10	7	6
B412599	0.197	0.036	0.17	< 2	10	36	0.22	< 20	< 1	< 2	< 10	107	< 10	7	6
B412600	0.094	0.052	0.08	216	5	20	0.15	< 20	4	2	< 10	64	< 10	8	17
B412601	0.018	0.027	0.79	7	20	4	0.10	< 20	< 1	< 2	< 10	230	14	7	9
B412602	0.021	0.021	0.45	7	16	3	0.23	< 20	< 1	< 2	< 10	204	< 10	5	8
B412603	0.132	0.044	0.28	3	6	17	0.25	< 20	6	< 2	< 10	92	< 10	5	9
B412604	0.148	0.045	0.09	3	5	26	0.20	< 20	4	< 2	< 10	70	< 10	5	10
B412605	0.167	0.034	0.20	< 2	7	16	0.22	< 20	2	< 2	< 10	85	< 10	5	7
B412606	0.170	0.034	0.27	< 2	7	22	0.21	< 20	4	< 2	< 10	85	< 10	6	6
B412607	0.189	0.033	0.13	2	7	23	0.19	< 20	7	< 2	< 10	83	< 10	5	5
B412608	0.174	0.032	0.17	2	7	21	0.21	< 20	5	< 2	< 10	83	< 10	6	5
B412609	0.184	0.034	0.19	< 2	7	20	0.24	< 20	3	< 2	< 10	90	< 10	6	6
B412610	0.070	0.017	0.73	4	2	321	0.06	< 20	3	< 2	< 10	35	< 10	4	9
B412611	0.184	0.036	0.15	3	7	21	0.21	< 20	5	< 2	< 10	90	< 10	6	6
B412612	0.093	0.038	0.76	< 2	7	8	0.26	< 20	8	< 2	< 10	112	< 10	5	9
B412613	0.087	0.047	0.65	4	4	40	0.15	< 20	8	< 2	< 10	70	< 10	4	11
B412614	0.057	0.058	0.13	3	6	20	0.22	< 20	< 1	< 2	< 10	97	< 10	4	10
B412615	0.107	0.045	0.95	3	10	17	0.16	< 20	3	< 2	< 10	136	< 10	5	9
B412616	0.144	0.034	0.92	4	7	35	0.16	< 20	6	< 2	< 10	99	< 10	5	8
B412617	0.240	0.038	0.13	3	8	27	0.24	< 20	1	< 2	< 10	105	< 10	7	7
B412618	0.239	0.037	0.13	< 2	8	27	0.24	< 20	1	< 2	< 10	104	< 10	7	7
B412619	0.238	0.040	0.25	< 2	8	28	0.24	< 20	5	< 2	< 10	102	< 10	7	6
B412620	0.066	0.033	0.62	3	8	37	0.29	< 20	< 1	< 2	< 10	120	< 10	7	13
B412621	0.217	0.036	0.10	2	7	22	0.23	< 20	< 1	< 2	< 10	91	< 10	6	6
B412622	0.209	0.038	0.35	3	8	23	0.24	< 20	8	< 2	< 10	117	< 10	7	6
B412623	0.188	0.039	0.56	3	9	29	0.25	< 20	7	< 2	< 10	129	< 10	7	8
B412624	0.162	0.037	0.44	3	6	33	0.21	< 20	< 1	< 2	< 10	100	< 10	6	7
B412625	0.187	0.037	0.24	2	8	44	0.26	< 20	5	< 2	< 10	108	< 10	6	7
B412626	0.200	0.038	0.27	3	8	32	0.25	< 20	2	< 2	< 10	113	< 10	6	7
B412627	0.185	0.032	0.26	2	7	34	0.24	< 20	4	< 2	< 10	100	< 10	6	6
B412628	0.123	0.036	0.77	4	6	33	0.28	< 20	9	< 2	< 10	110	< 10	6	7
B412629	0.144	0.033	0.22	< 2	7	32	0.24	< 20	5	< 2	< 10	94	< 10	6	7
B412630	0.041	0.017	0.68	< 2	2	314	0.06	< 20	1	< 2	< 10	36	< 10	4	11
B412631	0.061	0.036	0.55	3	6	36	0.28	< 20	< 1	< 2	< 10	137	< 10	6	7
B412632	0.084	0.034	< 0.01	< 2	2	39	0.13	< 20	1	< 2	< 10	24	15	2	15
B412633	0.067	0.039	0.07	< 2	3	41	0.17	< 20	1	< 2	< 10	46	< 10	3	14
B412634	0.058	0.031	0.32	< 2	5	43	0.26	< 20	3	< 2	< 10	108	< 10	6	7

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	10	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B412635	0.056	0.032	0.14	< 2	5	33	0.27	< 20	4	< 2	< 10	117	< 10	7	6
B412636	0.054	0.031	0.17	2	5	38	0.25	< 20	2	< 2	< 10	115	< 10	6	6
B412637	0.039	0.034	0.39	3	7	26	0.30	< 20	< 1	< 2	< 10	149	< 10	7	7
B412638	0.094	0.033	0.61	4	7	40	0.30	< 20	5	< 2	< 10	108	< 10	8	9
B412639	0.110	0.036	0.42	< 2	6	22	0.31	< 20	8	< 2	< 10	110	< 10	7	7
B412640	0.059	0.038	0.51	< 2	7	35	0.32	< 20	6	< 2	< 10	139	< 10	8	14
B412641	0.138	0.035	0.39	< 2	7	28	0.30	< 20	6	< 2	< 10	103	< 10	7	5
B412642	0.150	0.034	0.29	2	7	28	0.29	< 20	5	< 2	< 10	100	< 10	8	7
B412643	0.134	0.035	0.24	2	7	26	0.25	< 20	< 1	< 2	< 10	105	< 10	6	6
B412644	0.112	0.036	0.21	< 2	7	21	0.29	< 20	6	< 2	< 10	117	< 10	6	6
B412645	0.159	0.050	1.20	3	6	10	0.16	< 20	5	< 2	< 10	73	< 10	6	15
B412646	0.186	0.033	0.13	< 2	9	17	0.23	< 20	5	< 2	< 10	81	< 10	7	5
B412647	0.199	0.032	0.11	< 2	9	24	0.26	< 20	4	< 2	< 10	78	< 10	7	5
B412648	0.183	0.031	0.09	2	8	33	0.29	< 20	8	< 2	< 10	75	< 10	7	4
B412649	0.118	0.041	0.35	4	15	22	0.24	< 20	2	< 2	< 10	149	24	10	4
B412650	0.030	0.017	0.67	< 2	2	315	0.06	< 20	< 1	< 2	< 10	35	< 10	4	15
B412651	0.033	0.024	3.63	30	16	5	0.15	< 20	< 1	< 2	< 10	139	< 10	8	10
B412652	0.087	0.038	3.56	27	10	19	0.19	< 20	< 1	< 2	< 10	121	< 10	7	8
B412653	0.101	0.038	1.28	7	10	18	0.23	< 20	7	< 2	< 10	136	< 10	8	6
B412654	0.156	0.039	1.13	4	12	29	0.25	< 20	1	< 2	< 10	138	44	8	6
B412655	0.206	0.039	0.96	2	12	33	0.27	< 20	5	< 2	< 10	131	< 10	9	4
B412656	0.195	0.040	1.12	3	12	32	0.28	< 20	4	< 2	< 10	133	< 10	9	5
B412657	0.227	0.042	0.10	3	12	34	0.24	< 20	4	< 2	< 10	117	< 10	7	5
B412658	0.282	0.041	0.08	< 2	14	44	0.21	< 20	5	< 2	< 10	120	< 10	9	4
B412659	0.240	0.040	0.08	3	12	32	0.24	< 20	5	< 2	< 10	112	< 10	8	6
B412660	0.134	0.040	0.22	< 2	5	39	0.38	< 20	8	< 2	< 10	156	10	7	13
B412661	0.163	0.041	2.86	10	13	20	0.25	< 20	5	< 2	< 10	116	< 10	9	9
B412662	0.237	0.038	0.14	2	12	23	0.29	< 20	4	< 2	< 10	103	< 10	9	7
B412663	0.163	0.039	0.79	< 2	13	31	0.32	< 20	< 1	< 2	< 10	106	< 10	10	8
B412664	0.249	0.035	0.22	2	12	32	0.27	< 20	< 1	< 2	< 10	116	< 10	7	8
B412665	0.238	0.037	0.19	< 2	11	35	0.24	< 20	< 1	< 2	< 10	110	< 10	7	6
B412666	0.232	0.036	0.26	< 2	12	35	0.25	< 20	< 1	< 2	< 10	111	< 10	7	6
B412667	0.219	0.033	0.32	< 2	11	30	0.21	< 20	2	< 2	< 10	109	< 10	7	6
B412668	0.231	0.029	0.87	2	11	31	0.24	< 20	9	< 2	< 10	117	< 10	8	12
B412669	0.179	0.030	0.41	< 2	10	26	0.21	< 20	3	< 2	< 10	103	< 10	8	10
B412670	0.062	0.016	0.74	2	2	313	0.06	< 20	3	< 2	< 10	35	< 10	4	9
B412671	0.223	0.034	0.56	3	12	30	0.22	< 20	< 1	< 2	< 10	116	< 10	8	8
B412672	0.163	0.036	0.13	< 2	10	32	0.22	< 20	4	< 2	< 10	92	< 10	6	5
B412673	0.237	0.031	0.10	4	9	56	0.24	< 20	3	< 2	< 10	99	< 10	5	3
B412674	0.140	0.029	2.00	< 2	10	32	0.25	< 20	1	< 2	< 10	126	< 10	7	9
B412675	0.181	0.030	1.89	3	11	35	0.22	< 20	< 1	< 2	< 10	125	< 10	7	9
B412676	0.192	0.027	1.55	3	10	36	0.21	< 20	< 1	< 2	< 10	113	< 10	7	11
B412677	0.227	0.049	0.80	< 2	10	36	0.26	< 20	4	< 2	< 10	86	< 10	8	14
B412678	0.234	0.031	0.41	2	11	44	0.23	< 20	1	< 2	< 10	90	< 10	8	14
B412679	0.264	0.038	0.20	< 2	13	53	0.27	< 20	< 1	< 2	< 10	119	< 10	7	7
B412680	0.257	0.044	0.46	3	6	46	0.38	< 20	3	< 2	< 10	152	22	8	14
B412681	0.387	0.037	0.32	5	12	46	0.28	< 20	2	< 2	< 10	121	< 10	8	9
B412682	0.315	0.040	0.74	2	11	72	0.29	< 20	7	< 2	< 10	116	< 10	9	12
B412683	0.183	0.009	0.07	< 2	4	231	0.08	50	3	< 2	34	29	< 10	8	46
B412684	0.027	0.033	0.23	< 2	9	333	0.09	< 20	< 1	< 2	< 10	62	< 10	8	13
B412685	0.054	0.027	1.74	4	16	212	0.20	< 20	< 1	< 2	< 10	91	< 10	6	9

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B412686	0.034	0.003	1.71	2	7	344	0.10	< 20	2	< 2	< 10	35	< 10	4	4
B412687	0.026	0.004	1.17	< 2	7	207	0.08	< 20	4	< 2	< 10	23	< 10	3	2
B412688	0.017	0.015	0.20	< 2	6	245	0.04	< 20	2	< 2	< 10	11	< 10	4	1
B412689	0.015	0.009	0.70	2	5	249	0.02	< 20	< 1	< 2	< 10	11	< 10	5	2
B412690	0.048	0.018	0.70	< 2	2	336	0.06	< 20	5	< 2	< 10	37	< 10	5	6
B412691	0.017	0.017	1.26	< 2	9	274	0.05	< 20	< 1	< 2	< 10	27	< 10	4	2
B412692	0.043	0.033	3.56	3	17	140	0.12	< 20	4	< 2	< 10	171	< 10	4	9
B412693	0.224	0.037	1.88	< 2	13	46	0.20	< 20	7	< 2	< 10	130	< 10	7	15
B412694	0.389	0.020	1.44	< 2	14	38	0.25	< 20	< 1	< 2	< 10	130	< 10	7	11
B412695	0.274	0.041	1.09	< 2	13	28	0.25	< 20	9	< 2	< 10	121	< 10	8	15
B412696	0.265	0.042	1.09	< 2	12	29	0.25	< 20	10	< 2	< 10	128	< 10	8	15
B412697	0.238	0.049	0.72	< 2	13	33	0.23	< 20	8	< 2	< 10	131	< 10	7	13
B412698	0.249	0.049	0.58	< 2	14	41	0.24	< 20	< 1	< 2	< 10	132	< 10	7	13
B412699	0.275	0.031	0.24	< 2	13	38	0.25	< 20	3	< 2	< 10	105	< 10	8	14
B412700	0.055	0.037	0.49	3	7	35	0.33	< 20	3	< 2	< 10	136	< 10	8	11
B412701	0.138	0.239	0.53	< 2	7	69	0.17	< 20	< 1	< 2	< 10	54	< 10	7	4
B412702	0.125	0.061	0.66	< 2	9	29	0.15	< 20	3	< 2	< 10	80	< 10	6	20
B412703	0.180	0.035	0.11	< 2	14	19	0.26	< 20	3	< 2	< 10	112	< 10	9	13
B412704	0.206	0.037	0.22	< 2	14	15	0.21	< 20	5	< 2	< 10	122	< 10	9	14
B412705	0.072	0.062	0.19	< 2	6	25	0.21	< 20	2	< 2	< 10	42	< 10	10	9
B412706	0.108	0.024	0.10	< 2	8	12	0.19	< 20	6	< 2	< 10	71	43	6	10
B412707	0.115	0.026	0.09	< 2	7	20	0.21	< 20	< 1	< 2	< 10	77	< 10	5	8
B412708	0.099	0.015	0.06	< 2	6	18	0.14	< 20	2	< 2	< 10	50	> 200	3	7

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas	0.2	< 0.5	68	1000	1	21	87	116	6.38	215	< 10	714	0.8	< 2	0.12	13	76	5.20	20	< 1	1.02	< 10	0.36
GXR-6 Cert	1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9	0.609
GXR-6 Meas	0.2	< 0.5	70	1020	1	23	91	119	6.50	224	< 10	747	0.8	< 2	0.12	13	77	5.45	20	< 1	1.05	< 10	0.38
GXR-6 Cert	1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9	0.609
GXR-6 Meas	0.3	< 0.5	69	1010	< 1	22	89	117	6.35	205	< 10	749	0.8	< 2	0.12	13	76	5.42	20	< 1	1.04	< 10	0.38
GXR-6 Cert	1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9	0.609
GXR-6 Meas	0.2	< 0.5	71	1030	1	22	91	120	6.48	219	< 10	787	0.8	< 2	0.12	13	77	5.70	20	< 1	1.06	< 10	0.40
GXR-6 Cert	1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9	0.609
OREAS 922 (AQUA REGIA) Meas	0.7	< 0.5	2290	725	< 1	32	54	240	2.61	6		64	0.7	7	0.36	18	44	4.85	< 10		0.41	31	1.22
OREAS 922 (AQUA REGIA) Cert	0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5	1.33
OREAS 922 (AQUA REGIA) Meas	0.8	< 0.5	2320	757	< 1	35	61	251	2.70	7		67	0.7	11	0.37	20	45	5.20	< 10		0.42	32	1.29
OREAS 922 (AQUA REGIA) Cert	0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5	1.33
OREAS 922 (AQUA REGIA) Meas	0.7	< 0.5	2220	730	< 1	31	60	241	2.62	8		68	0.7	6	0.37	19	43	5.06	< 10		0.42	32	1.26
OREAS 922 (AQUA REGIA) Cert	0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5	1.33
OREAS 922 (AQUA REGIA) Meas	0.7	< 0.5	2270	758	< 1	34	58	245	2.68	6		74	0.7	9	0.38	19	45	5.32	< 10		0.44	33	1.32
OREAS 922 (AQUA REGIA) Cert	0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5	1.33
OREAS 923 (AQUA REGIA) Meas	1.6	< 0.5	4490	858	< 1	32	80	333	2.74	6		58	0.6	16	0.38	22	42	5.69	< 10		0.37	30	1.35
OREAS 923 (AQUA REGIA) Cert	1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0	1.43
OREAS 923 (AQUA REGIA) Meas	1.5	< 0.5	4540	860	< 1	31	79	323	2.73	7		56	0.6	13	0.37	22	41	5.85	< 10		0.36	29	1.38
OREAS 923 (AQUA REGIA) Cert	1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0	1.43
OREAS 923 (AQUA REGIA) Meas	1.4	< 0.5	4310	825	< 1	28	75	316	2.61	6		56	0.6	18	0.37	21	41	5.67	< 10		0.35	29	1.32
OREAS 923 (AQUA REGIA) Cert	1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0	1.43
OREAS 923 (AQUA REGIA) Meas	1.6	< 0.5	4600	876	< 1	31	78	335	2.78	8		61	0.7	11	0.38	22	43	6.15	< 10		0.38	31	1.45
OREAS 923 (AQUA REGIA) Cert	1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0	1.43
Oreas 96 (Aqua Regia) Meas	11.0		> 10000				87	412						< 2		47							
Oreas 96 (Aqua Regia) Cert	11.50		39100.00				100	448						27.9		49.2							

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2		0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Oreas 96 (Aqua Regia) Meas	10.4		> 10000				86	398						4		45							
Oreas 96 (Aqua Regia) Cert	11.50		39100.00				100	448						27.9		49.2							
Oreas 96 (Aqua Regia) Meas	11.2		> 10000				87	415						< 2		47							
Oreas 96 (Aqua Regia) Cert	11.50		39100.00				100	448						27.9		49.2							
Oreas 621 (Aqua Regia) Meas	63.5	259	3370	494	10	27	> 5000	> 10000	1.47	72			< 0.5	< 2	1.51	28	34	3.04	< 10	3	0.30	17	0.39
Oreas 621 (Aqua Regia) Cert	68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4	0.436
Oreas 621 (Aqua Regia) Meas	67.8	272	3680	515	12	26	> 5000	> 10000	1.56	73			0.5	3	1.56	29	32	3.29	< 10	4	0.34	18	0.41
Oreas 621 (Aqua Regia) Cert	68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4	0.436
Oreas 621 (Aqua Regia) Meas	64.4	261	3430	503	11	23	> 5000	> 10000	1.54	69			0.5	< 2	1.52	28	30	3.18	< 10	3	0.34	18	0.41
Oreas 621 (Aqua Regia) Cert	68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4	0.436
Oreas 621 (Aqua Regia) Meas	67.8	281	3640	528	13	22	> 5000	> 10000	1.62	74			0.6	4	1.57	29	29	3.42	< 10	4	0.34	19	0.43
Oreas 621 (Aqua Regia) Cert	68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4	0.436
OREAS 45f (Aqua Regia) Meas			351	162	1	219	8	24	6.40			125	0.9	< 2	0.06	39	341	13.3	20	2	0.10	< 10	0.16
OREAS 45f (Aqua Regia) Cert			336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750	39.2	341	13.7	20.3	0.0310	0.0820	10.7	0.152
OREAS 45f (Aqua Regia) Meas			378	170	< 1	228	8	25	6.70			135	1.0	3	0.06	41	356	14.6	20	< 1	0.10	< 10	0.18
OREAS 45f (Aqua Regia) Cert			336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750	39.2	341	13.7	20.3	0.0310	0.0820	10.7	0.152
OREAS 45f (Aqua Regia) Meas			364	168	< 1	226	9	26	6.74			132	1.0	3	0.06	39	349	14.2	20	2	0.11	< 10	0.18
OREAS 45f (Aqua Regia) Cert			336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750	39.2	341	13.7	20.3	0.0310	0.0820	10.7	0.152
OREAS 45f (Aqua Regia) Meas			373	173	< 1	230	5	26	6.92			137	1.0	< 2	0.06	40	356	15.1	20	3	0.11	< 10	0.18
OREAS 45f (Aqua Regia) Cert			336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750	39.2	341	13.7	20.3	0.0310	0.0820	10.7	0.152
B412588 Orig	0.5	< 0.5	259	726	18	240	8	94	2.03	902	< 10	29	< 0.5	< 2	1.15	69	272	5.35	< 10	1	0.25	< 10	1.50
B412588 Dup	0.6	< 0.5	254	729	18	240	9	92	2.03	893	< 10	29	< 0.5	< 2	1.16	68	270	5.43	< 10	< 1	0.25	< 10	1.50
B412603 Orig	0.6	< 0.5	324	676	10	119	< 2	63	2.45	97	< 10	< 10	< 0.5	< 2	1.89	52	234	5.64	< 10	< 1	0.09	< 10	2.52
B412603 Dup	0.7	< 0.5	327	677	10	120	< 2	63	2.45	93	< 10	< 10	< 0.5	< 2	1.88	51	234	5.66	< 10	< 1	0.09	< 10	2.54
B412612 Orig	0.9	< 0.5	213	615	3	68	< 2	66	2.79	26	< 10	< 10	< 0.5	< 2	1.14	39	93	6.96	< 10	< 1	0.04	< 10	2.73
B412612 Dup	0.8	< 0.5	218	623	3	69	< 2	66	2.83	31	< 10	< 10	< 0.5	< 2	1.17	41	94	7.10	< 10	< 1	0.04	< 10	2.80
B412631 Orig	1.0	< 0.5	227	1060	2	66	< 2	98	2.84	55	< 10	< 10	< 0.5	< 2	4.06	43	59	8.21	< 10	< 1	0.03	< 10	2.20
B412631 Dup	0.8	< 0.5	223	1070	2	64	< 2	96	2.81	53	< 10	< 10	< 0.5	< 2	4.09	45	58	8.07	< 10	< 1	0.03	< 10	2.18
B412633 Orig	0.2	< 0.5	38	519	5	19	3	43	1.57	18	< 10	13	< 0.5	< 2	2.15	12	14	3.35	< 10	< 1	0.08	13	1.09
B412633 Split PULP DUP	0.2	< 0.5	32	510	7	20	3	44	1.54	21	< 10	13	< 0.5	< 2	2.14	11	14	3.10	< 10	< 1	0.08	13	1.01
B412651 Orig	6.3	< 0.5	174	1220	6	98	4	86	2.62	7690	< 10	< 10	< 0.5	< 2	0.53	53	100	9.56	< 10	< 1	0.17	< 10	1.70
B412651 Dup	6.1	< 0.5	175	1200	5	97	5	84	2.60	7760	< 10	< 10	< 0.5	2	0.52	53	98	9.37	< 10	< 1	0.17	< 10	1.69
B412666 Orig	0.3	< 0.5	113	654	2	46	4	53	2.58	24	< 10	10	< 0.5	< 2	2.68	29	76	5.34	< 10	< 1	0.27	< 10	1.69
B412666 Dup	0.3	< 0.5	115	659	3	46	5	53	2.62	28	< 10	10	< 0.5	< 2	2.70	30	76	5.31	< 10	< 1	0.27	< 10	1.72
B412675 Orig	0.9	< 0.5	72	975	3	90	4	65	3.10	35	< 10	46	< 0.5	< 2	3.99	42	88	6.56	< 10	< 1	1.24	< 10	2.51



Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B412675 Dup	0.8	< 0.5	77	1000	4	93	< 2	65	3.24	37	< 10	47	< 0.5	< 2	4.04	43	89	7.02	< 10	< 1	1.29	< 10	2.66
B412683 Orig	0.7	< 0.5	11	962	< 1	21	15	42	1.39	< 2	< 10	34	< 0.5	5	5.15	13	27	2.87	< 10	< 1	0.45	16	2.00
B412683 Split PREP DUP	0.5	< 0.5	11	872	< 1	22	12	39	1.28	2	< 10	29	< 0.5	< 2	4.84	12	26	2.45	< 10	< 1	0.38	14	1.69
B412694 Orig	2.2	< 0.5	254	804	6	62	5	88	2.97	2	< 10	52	< 0.5	< 2	3.14	45	57	7.29	< 10	< 1	0.51	< 10	2.91
B412694 Dup	2.3	< 0.5	271	847	6	63	4	92	3.15	5	< 10	56	< 0.5	< 2	3.26	48	59	7.88	< 10	< 1	0.54	< 10	3.11
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas	0.070	0.034	0.01	4	15	26		< 20	< 1	< 2	< 10	146	< 10	3	7
GXR-6 Cert	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
GXR-6 Meas	0.075	0.035	0.01	6	16	27		< 20	< 1	< 2	< 10	151	< 10	3	8
GXR-6 Cert	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
GXR-6 Meas	0.074	0.034	0.01	3	14	25		< 20	< 1	< 2	< 10	148	< 10	3	5
GXR-6 Cert	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
GXR-6 Meas	0.080	0.035	0.01	3	15	26		< 20	< 1	< 2	< 10	153	< 10	3	7
GXR-6 Cert	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
OREAS 922 (AQUA REGIA) Meas	0.021	0.063	0.36	2	3	15		< 20		< 2	< 10	30	< 10	15	8
OREAS 922 (AQUA REGIA) Cert	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas	0.022	0.067	0.38	< 2	3	15		< 20		< 2	< 10	31	< 10	15	13
OREAS 922 (AQUA REGIA) Cert	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas	0.021	0.063	0.37	3	3	15		< 20		< 2	< 10	30	< 10	14	14
OREAS 922 (AQUA REGIA) Cert	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas	0.024	0.064	0.39	< 2	3	15		< 20		< 2	< 10	31	< 10	15	11
OREAS 922 (AQUA REGIA) Cert	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 923 (AQUA REGIA) Meas		0.063	0.67	6	3	14		< 20		< 2	< 10	30	< 10	14	26
OREAS 923 (AQUA REGIA) Cert		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 923 (AQUA REGIA) Meas		0.064	0.69	< 2	3	14		< 20		< 2	< 10	30	< 10	13	14
OREAS 923 (AQUA REGIA) Cert		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 923 (AQUA REGIA) Meas		0.059	0.67	< 2	3	13		< 20		< 2	< 10	30	< 10	13	15
OREAS 923 (AQUA REGIA) Cert		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 923 (AQUA REGIA) Meas		0.063	0.73	3	3	14		< 20		< 2	< 10	32	< 10	13	14
OREAS 923 (AQUA REGIA) Cert		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
Oreas 96 (Aqua Regia) Meas			4.01	7											
Oreas 96 (Aqua Regia) Cert			4.38	4.53											

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Oreas 96 (Aqua Regia) Meas			4.02	6											
Oreas 96 (Aqua Regia) Cert			4.38	4.53											
Oreas 96 (Aqua Regia) Meas			4.16	6											
Oreas 96 (Aqua Regia) Cert			4.38	4.53											
Oreas 621 (Aqua Regia) Meas	0.132	0.032	4.03	93	2	16		< 20		< 2	< 10	10	< 10	6	59
Oreas 621 (Aqua Regia) Cert	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
Oreas 621 (Aqua Regia) Meas	0.147	0.034	4.47	105	2	17		< 20		< 2	< 10	11	< 10	6	64
Oreas 621 (Aqua Regia) Cert	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
Oreas 621 (Aqua Regia) Meas	0.152	0.033	4.28	102	2	17		< 20		< 2	< 10	11	< 10	6	63
Oreas 621 (Aqua Regia) Cert	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
Oreas 621 (Aqua Regia) Meas	0.162	0.034	4.73	108	2	18		< 20		< 2	< 10	11	< 10	6	65
Oreas 621 (Aqua Regia) Cert	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
OREAS 45f (Aqua Regia) Meas	0.034	0.021	0.02		21	11	0.10	< 20		< 2	< 10	185		3	13
OREAS 45f (Aqua Regia) Cert	0.0320	0.0220	0.0270		31.4	13.2	0.0970	7.67		0.120	1.09	217		6.74	30.0
OREAS 45f (Aqua Regia) Meas	0.037	0.022	0.03		22	12	0.11	< 20		< 2	< 10	195		3	14
OREAS 45f (Aqua Regia) Cert	0.0320	0.0220	0.0270		31.4	13.2	0.0970	7.67		0.120	1.09	217		6.74	30.0
OREAS 45f (Aqua Regia) Meas	0.037	0.021	0.03		20	11	0.10	< 20		< 2	< 10	187		3	11
OREAS 45f (Aqua Regia) Cert	0.0320	0.0220	0.0270		31.4	13.2	0.0970	7.67		0.120	1.09	217		6.74	30.0
OREAS 45f (Aqua Regia) Meas	0.039	0.022	0.03		20	11	0.12	< 20		< 2	< 10	195		3	14
OREAS 45f (Aqua Regia) Cert	0.0320	0.0220	0.0270		31.4	13.2	0.0970	7.67		0.120	1.09	217		6.74	30.0
B412588 Orig	0.102	0.023	0.33	3	9	7	0.14	< 20	< 1	< 2	< 10	116	< 10	7	11
B412588 Dup	0.105	0.023	0.33	3	9	7	0.14	< 20	5	< 2	< 10	116	< 10	7	10
B412603 Orig	0.132	0.044	0.28	3	6	17	0.25	< 20	9	< 2	< 10	92	< 10	5	9
B412603 Dup	0.131	0.044	0.27	2	6	17	0.24	< 20	3	< 2	< 10	92	< 10	5	9
B412612 Orig	0.092	0.038	0.75	< 2	6	8	0.25	< 20	9	< 2	< 10	111	< 10	5	9
B412612 Dup	0.094	0.039	0.77	3	7	8	0.26	< 20	7	< 2	< 10	113	< 10	5	9
B412631 Orig	0.061	0.036	0.55	3	6	35	0.28	< 20	2	< 2	< 10	136	< 10	6	7
B412631 Dup	0.061	0.036	0.54	3	6	36	0.29	< 20	< 1	< 2	< 10	137	< 10	6	7
B412633 Orig	0.067	0.039	0.07	< 2	3	41	0.17	< 20	1	< 2	< 10	46	< 10	3	14
B412633 Split PULP DUP	0.068	0.039	0.05	< 2	3	39	0.16	< 20	6	< 2	< 10	45	< 10	3	14
B412651 Orig	0.033	0.024	3.60	30	16	5	0.14	< 20	< 1	< 2	< 10	140	< 10	8	10
B412651 Dup	0.032	0.024	3.66	31	16	5	0.15	< 20	3	< 2	< 10	139	< 10	8	11
B412666 Orig	0.233	0.036	0.26	< 2	12	35	0.25	< 20	< 1	< 2	< 10	111	< 10	7	6
B412666 Dup	0.232	0.036	0.26	< 2	12	35	0.25	< 20	1	< 2	< 10	112	< 10	7	6
B412675 Orig	0.179	0.030	1.85	3	11	35	0.21	< 20	< 1	< 2	< 10	124	< 10	7	9

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B412675 Dup	0.184	0.031	1.93	3	11	35	0.22	< 20	< 1	< 2	< 10	126	< 10	7	9
B412683 Orig	0.183	0.009	0.07	< 2	4	231	0.08	50	3	< 2	34	29	< 10	8	46
B412683 Split PREP DUP	0.149	0.009	0.06	< 2	4	216	0.07	40	4	< 2	33	27	< 10	8	49
B412694 Orig	0.374	0.019	1.37	< 2	14	37	0.24	< 20	3	< 2	< 10	127	< 10	7	11
B412694 Dup	0.403	0.020	1.52	2	15	39	0.26	< 20	< 1	< 2	< 10	134	< 10	8	12
Method Blank	0.006	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	2	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.006	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	2	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.007	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.006	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.005	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.007	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.007	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	1	< 2	< 10	< 1	< 10	< 1	< 1



Report No.: A21-22702-1E3
Report Date: 14-Feb-22
Date Submitted: 07-Dec-21
Your Reference: LINGMAN LAKE FALL 2021

SIGNATURE RESOURCES LTD
235 Eleventh Line
Collingwood ON L9Y5G6
Canada

ATTN: P.GEO. Walter Hanych

CERTIFICATE OF ANALYSIS

156 Core samples were submitted for analysis.

Table with 2 columns: Analytical package(s) requested, Testing Date. Row 1: 1E3-Tbay, QOP AquaGeo (Aqua Regia ICPOES), 2022-02-10 21:11:30

REPORT A21-22702-1E3

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

Notes:

Values which exceed the upper limit should be assayed for accurate numbers.



LabID: 673

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CERTIFIED BY:

Handwritten signature of Emmanuel Esemé

Emmanuel Esemé, Ph.D.
Quality Control Coordinator

## Results

## Activation Laboratories Ltd.

## Report: A21-22702

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2		0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B412709	0.5	< 0.5	32	450	< 1	30	4	43	1.07	2	< 10	13	< 0.5	< 2	2.12	11	37	2.27	< 10	< 1	0.12	11	1.02
B412710	< 0.2	< 0.5	13	94	< 1	11	41	63	1.58	8	41	51	< 0.5	< 2	> 10.0	3	22	1.46	< 10	< 1	0.06	< 10	1.91
B412711	2.7	< 0.5	215	776	3	129	2	117	2.13	21	< 10	< 10	< 0.5	< 2	3.30	48	109	6.15	< 10	< 1	0.10	< 10	1.99
B412712	5.0	< 0.5	234	1150	12	66	7	131	3.07	2	< 10	< 10	< 0.5	< 2	4.65	51	56	8.68	< 10	< 1	0.12	< 10	3.52
B412713	1.9	< 0.5	257	859	9	46	4	78	2.00	2	< 10	27	< 0.5	< 2	5.38	39	46	6.63	< 10	< 1	0.28	< 10	2.44
B412714	2.4	< 0.5	184	1020	37	59	9	97	1.89	2	< 10	12	< 0.5	< 2	4.45	46	48	6.67	< 10	< 1	0.06	< 10	2.76
B412715	3.1	< 0.5	244	1070	29	54	19	97	1.35	3	< 10	< 10	< 0.5	< 2	5.24	39	43	6.84	< 10	< 1	0.04	< 10	2.81
B412716	3.6	< 0.5	283	1010	29	58	23	96	1.33	< 2	< 10	< 10	< 0.5	< 2	4.99	42	44	6.82	< 10	< 1	0.04	< 10	2.70
B412717	2.9	< 0.5	115	604	88	201	32	147	2.31	49	< 10	< 10	< 0.5	6	3.52	57	77	5.62	< 10	< 1	0.03	< 10	2.69
B412718	2.2	< 0.5	166	719	9	68	< 2	126	2.27	3	< 10	< 10	< 0.5	< 2	4.30	41	60	6.65	< 10	< 1	0.04	< 10	2.98
B412719	3.4	< 0.5	134	1040	2	41	8	77	1.19	< 2	< 10	< 10	< 0.5	< 2	5.30	38	46	7.17	< 10	< 1	0.04	< 10	3.12
B412720	< 0.2	< 0.5	162	716	< 1	56	9	86	3.56	24	24	17	< 0.5	< 2	3.02	29	19	5.63	< 10	< 1	0.08	< 10	1.66
B412721	1.3	< 0.5	106	1020	3	39	6	85	1.16	< 2	< 10	< 10	< 0.5	< 2	5.53	31	47	6.37	< 10	< 1	0.07	< 10	2.96
B412722	1.1	< 0.5	226	1080	16	59	4	87	1.83	2	< 10	< 10	< 0.5	< 2	5.33	39	53	7.25	< 10	< 1	0.11	< 10	3.26
B412723	6.7	< 0.5	248	837	20	58	4	90	1.80	4	< 10	15	< 0.5	< 2	5.27	51	54	7.64	< 10	< 1	0.17	< 10	2.94
B412724	1.8	< 0.5	105	997	< 1	49	9	84	1.66	4	< 10	10	< 0.5	< 2	5.36	35	61	6.97	< 10	< 1	0.09	< 10	3.27
B412725	2.4	< 0.5	125	818	< 1	54	14	67	1.52	< 2	< 10	16	< 0.5	< 2	5.31	32	51	6.48	< 10	< 1	0.16	< 10	2.77
B412726	0.7	< 0.5	33	806	2	307	< 2	107	3.41	< 2	< 10	203	< 0.5	< 2	6.24	39	623	5.65	< 10	< 1	1.40	16	5.21
B412727	0.6	< 0.5	72	841	6	250	< 2	130	3.61	3	< 10	237	< 0.5	< 2	6.05	41	466	6.15	10	< 1	1.41	17	5.07
B412728	0.9	0.6	58	954	2	183	3	107	2.73	5	< 10	50	< 0.5	< 2	> 10.0	28	425	3.83	< 10	< 1	0.24	32	3.89
B412729	0.4	< 0.5	25	1070	2	145	2	70	2.18	5	< 10	23	< 0.5	< 2	6.13	22	417	3.61	< 10	< 1	0.14	35	4.45
B412730	< 0.2	< 0.5	13	94	< 1	13	42	66	1.59	7	41	48	< 0.5	< 2	> 10.0	3	23	1.43	< 10	< 1	0.11	< 10	1.90
B412731	1.1	< 0.5	72	489	1	117	2	50	1.60	17	< 10	49	< 0.5	< 2	3.04	23	364	2.52	< 10	1	0.25	< 10	2.24
B412732	< 0.2	< 0.5	8	382	9	106	< 2	48	1.52	13	< 10	115	< 0.5	< 2	1.95	18	398	2.34	< 10	< 1	0.39	33	2.06
B412733	< 0.2	< 0.5	4	281	< 1	4	12	67	1.41	< 2	< 10	67	< 0.5	< 2	1.22	5	6	1.57	< 10	< 1	0.57	38	0.54
B412734	2.4	< 0.5	183	856	1	77	2	55	1.71	1050	< 10	30	< 0.5	< 2	3.60	42	143	5.54	< 10	< 1	0.26	< 10	1.64
B412735	1.4	0.6	130	1670	1	57	4	64	1.31	829	< 10	50	< 0.5	< 2	5.73	30	109	5.14	< 10	1	0.50	< 10	3.30
B412736	1.3	0.5	137	1520	2	63	3	66	1.33	866	< 10	52	< 0.5	< 2	5.42	32	116	5.23	< 10	< 1	0.50	< 10	2.80
B412737	5.2	< 0.5	112	1940	3	101	13	43	1.17	4860	< 10	24	< 0.5	< 2	6.67	16	156	4.41	< 10	< 1	0.26	< 10	4.18
B412738	5.6	< 0.5	232	727	8	100	35	99	2.98	8170	< 10	25	< 0.5	< 2	0.85	40	87	9.02	< 10	< 1	0.39	< 10	3.02
B412739	1.4	< 0.5	143	751	21	55	3	73	1.78	244	< 10	21	< 0.5	< 2	3.06	43	80	5.44	< 10	< 1	0.25	< 10	1.51
B412740	2.0	0.6	172	668	1	42	24	122	3.14	61	53	29	< 0.5	< 2	2.79	27	27	5.45	< 10	< 1	0.16	< 10	1.55
B412741	0.8	< 0.5	206	761	38	59	5	79	1.82	1890	< 10	< 10	< 0.5	< 2	2.89	49	65	5.69	< 10	1	0.08	< 10	1.58
B412742	1.0	< 0.5	226	634	9	42	< 2	48	1.44	78	< 10	< 10	< 0.5	< 2	2.42	43	49	4.69	< 10	< 1	0.06	< 10	1.31
B412743	1.2	< 0.5	318	640	4	47	< 2	57	1.57	59	< 10	< 10	< 0.5	< 2	2.18	38	62	5.19	< 10	< 1	0.07	< 10	1.31
B412744	1.6	< 0.5	421	673	45	53	3	61	1.44	57	< 10	< 10	< 0.5	< 2	2.56	41	53	4.78	< 10	< 1	0.09	< 10	1.27
B412745	1.6	< 0.5	427	745	10	56	< 2	89	1.70	51	< 10	< 10	< 0.5	< 2	2.50	40	58	5.49	< 10	< 1	0.09	< 10	1.42
B412746	1.3	< 0.5	329	1020	11	84	3	127	2.13	27	< 10	< 10	< 0.5	< 2	5.58	58	55	7.78	< 10	< 1	0.06	< 10	1.90
B412747	1.1	0.6	494	898	4	82	< 2	109	2.07	35	< 10	< 10	< 0.5	< 2	4.13	52	66	7.25	< 10	< 1	0.10	< 10	1.79
B412748	0.4	< 0.5	130	757	11	70	< 2	82	1.71	49	< 10	< 10	< 0.5	< 2	2.66	41	62	5.45	< 10	< 1	0.10	< 10	1.47
B412749	0.4	< 0.5	137	724	13	44	< 2	57	1.64	49	< 10	< 10	< 0.5	< 2	2.52	41	46	5.21	< 10	< 1	0.08	< 10	1.39
B412750	< 0.2	< 0.5	12	91	1	14	39	61	1.52	7	41	42	< 0.5	< 2	> 10.0	3	22	1.38	< 10	< 1	0.08	< 10	1.81
B412751	0.9	< 0.5	281	886	3	83	5	68	2.09	33	< 10	< 10	< 0.5	< 2	4.19	49	58	7.29	< 10	< 1	0.07	< 10	1.84
B412752	0.6	< 0.5	211	945	5	65	< 2	78	2.76	110	< 10	< 10	< 0.5	< 2	2.91	51	80	7.64	< 10	< 1	0.02	< 10	2.12
B412753	1.4	< 0.5	151	811	9	57	< 2	65	2.19	83	< 10	< 10	< 0.5	< 2	3.05	44	68	6.47	< 10	< 1	0.03	< 10	1.80
B412754	0.9	< 0.5	138	656	58	49	3	49	1.58	82	< 10	< 10	< 0.5	< 2	2.44	44	58	5.09	< 10	< 1	0.02	< 10	1.38
B412755	1.2	< 0.5	165	687	4	51	16	62	1.70	495	< 10	< 10	< 0.5	< 2	2.58	42	60	5.73	< 10	< 1	0.03	< 10	1.39
B412756	1.4	< 0.5	209	661	1	52	14	58	1.63	468	< 10	< 10	< 0.5	< 2	2.70	42	57	5.46	< 10	< 1	0.02	< 10	1.33
B412757	0.5	< 0.5	95	906	12	54	< 2	80	2.15	1210	< 10	< 10	< 0.5	< 2	3.37	45	43	6.44	< 10	< 1	0.03	< 10	1.62
B412758	0.6	< 0.5	101	682	9	57	4	53	1.34	2710	< 10	< 10	< 0.5	< 2	2.67	40	108	4.69	< 10	< 1	0.05	< 10	1.35
B412759	0.4	< 0.5	134	520	3	47	< 2	31	0.94	54	< 10	< 10	< 0.5	< 2	3.13	31	137	2.85	< 10	< 1	0.02	< 10	1.15

## Results

## Activation Laboratories Ltd.

## Report: A21-22702

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2		0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B412760	< 0.2	< 0.5	24	227	< 1	58	6	75	2.61	319	< 10	92	1.3	< 2	0.22	13	102	3.38	< 10	< 1	0.95	27	1.22
B412761	0.6	< 0.5	107	713	83	125	2	62	1.72	1460	< 10	< 10	< 0.5	< 2	2.23	54	270	5.08	< 10	< 1	0.02	< 10	1.80
B412762	0.7	< 0.5	165	623	25	98	< 2	45	1.48	108	< 10	< 10	< 0.5	< 2	2.12	51	64	4.36	< 10	< 1	0.03	< 10	1.65
B412763	0.7	< 0.5	475	394	3	25	7	34	1.09	14	< 10	< 10	< 0.5	< 2	1.66	20	46	2.67	< 10	< 1	0.07	14	0.82
B412764	0.3	< 0.5	250	637	92	51	< 2	66	1.40	4	< 10	< 10	< 0.5	< 2	2.52	31	48	4.45	< 10	< 1	0.07	< 10	1.30
B412765	0.5	6.7	1040	400	43	366	5	1690	1.77	745	< 10	26	< 0.5	2	0.47	121	93	6.91	< 10	< 1	0.14	13	1.15
B412766	0.5	< 0.5	784	842	25	159	3	209	1.74	59	< 10	< 10	< 0.5	< 2	3.45	58	52	5.58	< 10	< 1	0.05	< 10	0.88
B412767	< 0.2	< 0.5	142	780	15	64	< 2	77	1.92	41	< 10	< 10	< 0.5	< 2	3.08	43	84	4.76	< 10	< 1	0.06	< 10	1.26
B412768	0.3	< 0.5	123	652	1	41	3	52	2.32	14	< 10	18	< 0.5	< 2	2.38	31	69	5.14	< 10	< 1	0.40	< 10	1.60
B412769	0.6	< 0.5	85	743	19	48	12	56	1.90	13	< 10	10	< 0.5	< 2	1.91	34	69	6.06	< 10	< 1	0.21	< 10	1.47
B412770	< 0.2	< 0.5	15	97	< 1	10	42	66	1.65	7	44	43	< 0.5	< 2	> 10.0	3	24	1.52	< 10	< 1	0.03	< 10	1.98
B412771	0.5	< 0.5	115	736	2	44	3	56	2.71	28	< 10	42	< 0.5	< 2	2.96	29	71	5.22	< 10	< 1	0.95	< 10	1.71
B412772	0.3	< 0.5	51	821	22	76	5	84	3.48	36	< 10	45	< 0.5	< 2	2.80	36	118	5.27	< 10	< 1	1.28	< 10	2.23
B412773	0.8	< 0.5	30	215	< 1	12	13	30	0.95	14	< 10	16	< 0.5	< 2	0.36	4	22	1.41	< 10	< 1	0.40	< 10	0.50
B412774	0.4	< 0.5	68	555	< 1	46	11	50	2.72	5	< 10	32	< 0.5	< 2	1.92	22	70	3.31	< 10	< 1	1.03	< 10	1.41
B412775	< 0.2	< 0.5	38	373	< 1	33	11	41	1.80	62	< 10	60	< 0.5	< 2	0.45	14	59	2.89	< 10	< 1	1.02	< 10	1.17
B412776	0.2	< 0.5	46	429	< 1	38	9	57	1.98	53	< 10	67	< 0.5	< 2	0.49	18	67	3.34	< 10	< 1	1.14	< 10	1.29
B412777	0.3	< 0.5	71	803	3	98	2	74	4.09	7	< 10	88	< 0.5	< 2	2.47	37	130	5.81	< 10	< 1	1.80	< 10	2.49
B412778	< 0.2	< 0.5	86	582	2	73	3	50	2.08	7	< 10	51	< 0.5	< 2	1.57	31	70	4.21	< 10	< 1	0.49	< 10	1.62
B412779	0.4	< 0.5	99	498	3	74	4	53	1.99	4	< 10	63	< 0.5	< 2	1.63	29	68	3.82	< 10	< 1	0.58	< 10	1.40
B412780	1.1	< 0.5	141	641	3	111	15	66	2.90	34	31	31	< 0.5	< 2	2.73	30	270	5.27	< 10	< 1	0.14	< 10	2.53
B412781	0.2	< 0.5	39	457	2	61	4	52	1.56	21	< 10	21	< 0.5	< 2	1.48	27	48	3.09	< 10	< 1	0.17	< 10	1.24
B412782	< 0.2	< 0.5	7	215	< 1	2	19	18	0.51	6	< 10	16	< 0.5	< 2	0.44	2	3	0.85	< 10	< 1	0.16	16	0.40
B412783	0.8	< 0.5	65	912	3	80	6	53	2.41	27	< 10	55	< 0.5	< 2	2.15	31	69	5.09	< 10	< 1	0.97	< 10	2.04
B412784	1.5	< 0.5	75	763	1	140	8	63	2.18	111	< 10	14	< 0.5	< 2	1.83	45	171	6.37	< 10	< 1	0.87	12	2.05
B412785	1.6	< 0.5	82	788	1	90	10	50	2.18	153	< 10	40	< 0.5	< 2	1.87	37	91	5.27	< 10	< 1	0.67	< 10	1.98
B412786	< 0.2	< 0.5	45	415	6	41	4	32	1.37	19	< 10	19	< 0.5	< 2	1.25	20	44	2.64	< 10	< 1	0.23	< 10	1.04
B412787	0.3	< 0.5	145	495	18	42	< 2	30	1.90	3	< 10	16	< 0.5	< 2	1.94	27	44	3.43	< 10	< 1	0.12	< 10	1.71
B412788	0.2	0.6	10	73	> 10000	59	< 2	7	0.15	4	< 10	< 10	< 0.5	< 2	0.20	< 1	12	0.62	< 10	7	< 0.01	< 10	0.12
B412789	0.3	< 0.5	73	531	25	86	2	50	2.34	4	< 10	53	< 0.5	< 2	1.26	34	96	4.71	< 10	< 1	0.81	< 10	1.84
B412790	< 0.2	< 0.5	13	93	3	11	41	62	1.58	7	42	45	< 0.5	< 2	> 10.0	2	22	1.42	< 10	< 1	0.13	< 10	1.87
B412791	< 0.2	< 0.5	41	415	7	57	4	44	1.57	3	< 10	47	< 0.5	< 2	1.09	21	81	2.89	< 10	< 1	0.61	< 10	1.30
B412792	< 0.2	< 0.5	8	169	2	9	10	14	0.70	6	< 10	23	< 0.5	< 2	0.47	5	13	1.05	< 10	< 1	0.27	< 10	0.38
B412793	< 0.2	< 0.5	262	659	4	49	< 2	102	1.77	34	< 10	27	< 0.5	< 2	2.87	38	50	5.22	< 10	< 1	0.18	< 10	1.33
B412794	0.2	< 0.5	222	734	13	53	< 2	72	2.20	622	< 10	54	< 0.5	< 2	3.26	44	55	6.19	< 10	< 1	0.53	< 10	1.64
B412795	0.3	< 0.5	255	686	4	51	< 2	67	1.94	16	< 10	43	< 0.5	< 2	3.19	37	52	5.44	< 10	< 1	0.46	< 10	1.45
B412796	0.3	< 0.5	250	620	5	54	< 2	66	1.94	15	< 10	50	< 0.5	< 2	2.57	37	53	5.51	< 10	< 1	0.51	< 10	1.45
B412797	0.3	< 0.5	144	752	6	65	< 2	62	2.23	31	< 10	70	< 0.5	< 2	3.52	41	68	5.76	< 10	< 1	0.65	< 10	1.71
B412798	0.4	< 0.5	170	941	20	65	< 2	79	2.47	39	< 10	26	< 0.5	< 2	4.16	42	54	6.81	< 10	< 1	0.33	< 10	1.86
B412799	0.2	< 0.5	87	704	17	45	3	69	2.54	29	< 10	29	< 0.5	< 2	2.94	29	43	5.16	< 10	< 1	0.34	11	2.23
B412800	< 0.2	< 0.5	172	756	< 1	55	8	90	3.85	29	27	20	< 0.5	5	3.20	31	20	6.10	< 10	< 1	0.09	< 10	1.76
B412801	< 0.2	< 0.5	58	735	17	39	6	72	2.49	20	< 10	38	< 0.5	< 2	2.89	29	42	5.26	< 10	< 1	0.68	20	1.77
B412802	< 0.2	< 0.5	32	295	6	19	8	45	1.67	32	< 10	29	< 0.5	< 2	0.91	16	9	2.38	< 10	< 1	0.38	31	1.05
B412803	< 0.2	< 0.5	20	309	4	9	8	42	1.27	68	< 10	40	< 0.5	< 2	0.62	8	6	2.01	< 10	< 1	0.27	26	0.80
B412804	0.2	< 0.5	79	577	52	26	6	64	1.63	29	< 10	37	< 0.5	< 2	1.41	16	27	3.37	< 10	< 1	0.27	23	1.27
B412805	0.7	< 0.5	254	796	29	67	3	94	2.26	207	< 10	54	< 0.5	< 2	2.82	41	49	6.64	< 10	< 1	0.65	< 10	1.81
B412806	0.4	< 0.5	310	650	23	60	< 2	79	1.80	33	< 10	25	< 0.5	< 2	2.74	37	47	5.04	< 10	< 1	0.24	< 10	1.36
B412807	0.3	< 0.5	232	686	76	68	< 2	164	1.74	27	< 10	12	< 0.5	< 2	2.49	35	56	4.96	< 10	< 1	0.10	< 10	1.33
B412808	0.5	1.2	330	720	71	119	< 2	320	2.23	250	< 10	31	< 0.5	< 2	3.46	52	50	5.88	< 10	< 1	0.17	< 10	1.77
B412809	< 0.2	< 0.5	188	772	7	35	< 2	53	1.63	25	< 10	14	< 0.5	< 2	2.98	34	38	5.19	< 10	< 1	0.11	< 10	1.35
B412810	< 0.2	< 0.5	12	94	< 1	9	40	62	1.56	8	42	48	< 0.5	< 2	> 10.0	3	24	1.41	< 10	< 1	0.19	< 10	1.85

## Results

## Activation Laboratories Ltd.

Report: A21-22702

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2		0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B412811	< 0.2	< 0.5	204	791	15	41	< 2	57	1.65	14	< 10	23	< 0.5	< 2	2.93	33	48	5.32	< 10	< 1	0.15	< 10	1.42
B412812	0.2	< 0.5	202	697	3	38	< 2	57	1.50	10	< 10	< 10	< 0.5	< 2	2.33	30	39	5.00	< 10	< 1	0.09	< 10	1.32
B412813	0.3	< 0.5	255	755	6	23	< 2	57	1.56	3	< 10	10	< 0.5	< 2	2.42	28	14	5.89	< 10	< 1	0.13	< 10	1.16
B412814	0.6	< 0.5	35	834	27	116	< 2	58	2.11	44	< 10	11	< 0.5	< 2	3.88	43	240	4.91	< 10	< 1	0.08	< 10	2.23
B412815	< 0.2	< 0.5	25	320	2	5	25	35	1.13	5	< 10	55	< 0.5	< 2	0.63	7	7	1.52	< 10	< 1	0.24	27	0.56
B412816	< 0.2	< 0.5	24	293	1	6	8	30	1.07	5	< 10	51	< 0.5	< 2	0.57	6	5	1.48	< 10	< 1	0.22	26	0.54
B412817	< 0.2	< 0.5	16	282	< 1	4	11	36	1.08	5	< 10	48	< 0.5	< 2	0.64	6	5	1.68	< 10	< 1	0.13	27	0.44
B412818	< 0.2	< 0.5	17	318	< 1	3	15	45	1.27	7	< 10	47	< 0.5	< 2	0.78	7	5	1.87	< 10	< 1	0.15	33	0.50
B412819	< 0.2	< 0.5	19	346	< 1	3	12	43	1.37	7	< 10	47	< 0.5	< 2	0.80	7	5	2.08	< 10	< 1	0.16	34	0.59
B412820	2.1	0.6	179	690	1	47	26	125	3.29	63	57	30	< 0.5	< 2	2.90	28	28	5.67	< 10	< 1	0.16	< 10	1.59
B412821	1.8	< 0.5	464	229	25	3	5	25	1.00	45	< 10	35	< 0.5	< 2	0.91	7	5	1.23	< 10	< 1	0.15	30	0.39
B412822	< 0.2	< 0.5	2	425	1	7	< 2	17	2.56	604	27	13	< 0.5	< 2	3.08	5	3	2.65	10	< 1	0.11	14	1.04
B412823	< 0.2	< 0.5	1	557	< 1	11	< 2	23	2.83	4940	25	< 10	< 0.5	< 2	4.37	6	3	3.43	10	< 1	0.08	14	1.29
B412824	< 0.2	< 0.5	< 1	588	< 1	11	< 2	30	2.66	2160	15	20	< 0.5	3	1.91	6	4	3.64	10	1	0.11	24	1.35
B412825	1.8	< 0.5	8	627	1	20	2	32	2.83	1060	10	11	< 0.5	4	2.00	10	10	4.29	10	< 1	0.06	19	1.46
B412826	1.1	< 0.5	64	1180	8	83	7	67	4.75	204	< 10	< 10	0.7	2	2.29	51	99	8.28	20	< 1	0.04	13	3.58
B412827	1.3	< 0.5	188	1100	22	82	4	60	3.15	156	< 10	< 10	0.5	< 2	2.77	56	96	7.78	10	< 1	0.03	< 10	2.90
B412828	0.7	< 0.5	176	1100	12	76	< 2	69	3.05	82	< 10	< 10	< 0.5	< 2	3.18	53	75	8.04	< 10	< 1	0.04	< 10	2.49
B412829	0.4	< 0.5	114	675	4	39	< 2	63	1.97	43	< 10	14	< 0.5	< 2	2.64	29	36	4.56	< 10	< 1	0.11	12	1.60
B412830	< 0.2	< 0.5	13	94	< 1	11	41	63	1.60	7	42	62	< 0.5	< 2	> 10.0	3	22	1.44	< 10	< 1	0.15	< 10	1.89
B412831	0.5	< 0.5	119	1110	6	93	< 2	67	3.20	93	< 10	< 10	< 0.5	< 2	3.81	51	115	7.69	< 10	< 1	0.02	< 10	2.63
B412832	0.4	< 0.5	115	1030	5	61	3	64	2.57	60	< 10	< 10	< 0.5	< 2	6.08	33	70	5.61	< 10	< 1	0.02	< 10	2.60
B412865	0.9	< 0.5	61	841	2	75	5	47	2.75	9	< 10	32	< 0.5	< 2	3.47	31	76	4.60	< 10	< 1	0.67	< 10	2.01
B412866	< 0.2	< 0.5	14	657	2	20	10	37	2.02	2	< 10	27	< 0.5	< 2	4.94	9	24	2.64	< 10	< 1	0.72	10	1.83
B412867	0.8	0.6	56	752	6	68	11	87	3.33	24	< 10	33	< 0.5	< 2	2.63	32	88	5.30	< 10	< 1	0.84	< 10	2.23
B412868	0.6	< 0.5	80	735	5	80	3	67	3.52	6	< 10	37	< 0.5	< 2	3.03	35	103	5.44	< 10	< 1	0.98	< 10	2.35
B412869	0.6	< 0.5	88	653	4	63	5	57	2.92	9	< 10	34	< 0.5	< 2	2.46	31	83	5.07	< 10	< 1	0.82	< 10	1.95
B412870	< 0.2	< 0.5	13	96	< 1	11	43	64	1.65	9	44	46	< 0.5	< 2	> 10.0	3	22	1.49	< 10	< 1	0.01	< 10	1.95
B412871	0.7	< 0.5	65	863	3	69	8	75	2.74	78	< 10	27	< 0.5	< 2	2.62	38	90	5.81	< 10	< 1	0.75	< 10	2.08
B412872	< 0.2	< 0.5	2	282	< 1	< 1	22	21	1.56	3	13	17	< 0.5	< 2	0.55	< 1	3	0.70	< 10	< 1	0.55	< 10	0.65
B412873	0.4	< 0.5	3	226	< 1	< 1	45	16	1.31	10	10	16	< 0.5	< 2	0.37	< 1	2	0.58	< 10	< 1	0.51	11	0.49
B412874	0.3	< 0.5	37	619	13	29	10	43	2.16	28	< 10	40	< 0.5	< 2	1.27	20	53	3.51	< 10	< 1	1.27	< 10	1.43
B412875	0.4	< 0.5	74	944	5	68	6	71	3.24	3	< 10	84	< 0.5	< 2	3.06	36	101	6.19	< 10	< 1	1.77	< 10	2.39
B412876	0.4	< 0.5	69	981	4	64	3	71	3.15	3	< 10	76	< 0.5	< 2	3.32	34	100	6.14	< 10	< 1	1.56	< 10	2.37
B412877	< 0.2	< 0.5	45	795	7	50	< 2	70	2.04	2	< 10	148	< 0.5	< 2	3.47	25	79	4.77	< 10	< 1	0.87	< 10	1.52
B412878	0.3	< 0.5	46	821	3	57	< 2	83	2.67	4	< 10	126	< 0.5	< 2	3.11	30	98	5.75	< 10	< 1	0.82	< 10	1.99
B412879	0.5	< 0.5	125	967	1	71	3	81	2.55	5	< 10	89	< 0.5	< 2	4.21	44	110	6.88	< 10	< 1	0.62	< 10	2.23
B412880	< 0.2	< 0.5	171	745	< 1	55	9	89	3.82	25	26	18	< 0.5	2	3.18	30	20	5.90	< 10	< 1	0.09	< 10	1.72
B412881	< 0.2	< 0.5	12	598	< 1	22	3	48	1.10	3	< 10	100	< 0.5	< 2	3.71	12	37	2.58	< 10	< 1	0.70	< 10	1.17
B412882	0.6	< 0.5	33	2040	1	44	< 2	53	2.13	3	< 10	73	< 0.5	< 2	> 10.0	18	62	6.22	< 10	< 1	1.05	< 10	7.05
B412883	0.7	< 0.5	31	2440	7	54	5	47	0.42	20	< 10	< 10	< 0.5	3	> 10.0	21	59	4.92	< 10	< 1	0.04	< 10	6.06
B412884	0.5	< 0.5	12	2270	< 1	25	7	31	0.07	10	< 10	< 10	< 0.5	2	> 10.0	10	21	5.07	< 10	< 1	< 0.01	< 10	6.82
B412885	3.2	< 0.5	331	1840	1	61	11	50	0.62	4	< 10	< 10	< 0.5	< 2	> 10.0	36	66	6.83	< 10	< 1	0.09	< 10	5.40
B412886	1.2	< 0.5	361	849	7	122	< 2	71	1.44	< 2	< 10	20	< 0.5	< 2	4.80	40	108	7.86	< 10	< 1	0.27	< 10	2.14
B412887	0.9	< 0.5	137	913	11	171	2	112	2.36	3	< 10	20	< 0.5	< 2	5.76	41	262	6.85	< 10	< 1	0.23	10	3.31
B412888	1.0	< 0.5	96	748	802	113	3	97	2.80	< 2	< 10	10	< 0.5	< 2	4.63	35	190	6.04	< 10	< 1	0.07	12	3.33
B412889	0.2	< 0.5	20	629	18	35	< 2	39	1.94	2	< 10	144	0.6	< 2	3.41	24	20	4.40	< 10	< 1	0.34	< 10	1.99
B412890	< 0.2	< 0.5	13	96	1	10	42	63	1.60	6	42	44	< 0.5	< 2	> 10.0	3	26	1.42	< 10	< 1	0.03	< 10	1.85
B412891	< 0.2	< 0.5	72	694	19	32	< 2	39	2.00	< 2	< 10	94	< 0.5	3	3.02	28	17	5.06	< 10	< 1	0.28	< 10	2.05
B412892	0.2	< 0.5	50	672	18	35	< 2	38	2.01	< 2	< 10	67	< 0.5	< 2	2.72	29	22	5.02	< 10	< 1	0.24	< 10	2.31
B412893	1.5	< 0.5	144	630	15	42	2	44	1.75	3	< 10	48	< 0.5	< 2	2.41	34	20	5.18	< 10	< 1	0.18	< 10	1.98



Results

Activation Laboratories Ltd.

Report: A21-22702

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B412894	0.4	< 0.5	78	472	3	155	< 2	42	1.85	7	< 10	133	< 0.5	< 2	2.35	30	553	3.37	< 10	< 1	0.49	49	2.47
B412895	< 0.2	< 0.5	23	403	< 1	130	< 2	34	1.45	9	< 10	152	< 0.5	< 2	2.21	21	489	2.37	< 10	< 1	0.45	71	1.92
B412896	< 0.2	< 0.5	20	397	< 1	127	< 2	34	1.44	6	< 10	169	< 0.5	< 2	2.19	20	491	2.38	< 10	< 1	0.52	67	1.93

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B412709	0.223	0.018	0.11	< 2	5	48	0.11	< 20	3	< 2	10	38	< 10	6	27
B412710	0.028	0.018	0.68	< 2	2	326	0.06	< 20	5	< 2	< 10	36	< 10	5	10
B412711	0.216	0.007	0.39	2	12	77	0.15	< 20	< 1	< 2	< 10	146	< 10	6	15
B412712	0.078	0.026	0.69	3	15	162	0.09	< 20	2	< 2	< 10	160	< 10	4	11
B412713	0.055	0.020	0.96	3	20	124	0.10	< 20	6	< 2	< 10	130	< 10	4	9
B412714	0.060	0.021	1.41	2	22	155	0.09	< 20	2	< 2	< 10	120	< 10	3	14
B412715	0.056	0.011	1.56	< 2	24	170	0.08	< 20	2	< 2	< 10	93	< 10	4	12
B412716	0.056	0.010	1.78	3	23	162	0.08	< 20	1	< 2	< 10	91	< 10	4	12
B412717	0.066	0.009	0.72	< 2	16	90	0.06	< 20	5	< 2	< 10	100	< 10	4	19
B412718	0.062	0.015	0.33	< 2	18	145	0.11	< 20	< 1	< 2	< 10	150	< 10	4	15
B412719	0.062	0.025	0.36	< 2	17	255	0.09	< 20	< 1	< 2	< 10	151	< 10	4	11
B412720	0.118	0.039	0.21	< 2	4	34	0.35	< 20	4	< 2	< 10	141	< 10	7	11
B412721	0.065	0.008	0.11	< 2	17	276	0.11	< 20	< 1	< 2	< 10	118	< 10	4	10
B412722	0.058	0.040	0.58	< 2	17	224	0.09	< 20	4	< 2	< 10	132	< 10	5	13
B412723	0.056	0.010	1.98	< 2	15	183	0.10	< 20	< 1	< 2	< 10	123	< 10	4	14
B412724	0.051	0.043	1.08	< 2	20	228	0.09	< 20	< 1	< 2	< 10	129	< 10	5	12
B412725	0.057	0.047	1.30	2	17	262	0.09	< 20	< 1	< 2	< 10	94	< 10	5	11
B412726	0.039	0.073	0.21	5	10	495	0.15	< 20	< 1	< 2	< 10	106	< 10	4	15
B412727	0.081	0.098	0.26	4	8	422	0.16	< 20	4	< 2	< 10	105	< 10	5	13
B412728	0.095	0.165	0.10	3	4	434	0.09	< 20	2	< 2	< 10	46	< 10	5	3
B412729	0.093	0.170	0.06	4	5	145	0.11	< 20	5	< 2	< 10	47	< 10	5	4
B412730	0.038	0.018	0.69	< 2	2	329	0.06	< 20	< 1	< 2	< 10	36	< 10	5	10
B412731	0.121	0.035	0.16	5	5	57	0.11	< 20	3	< 2	< 10	42	< 10	4	11
B412732	0.154	0.189	0.01	< 2	8	62	0.15	< 20	6	< 2	< 10	49	< 10	6	3
B412733	0.149	0.046	0.03	< 2	2	43	0.11	< 20	2	< 2	< 10	20	< 10	4	19
B412734	0.139	0.034	1.04	6	6	31	0.17	< 20	3	< 2	< 10	91	< 10	5	7
B412735	0.065	0.029	1.47	4	5	39	0.16	< 20	< 1	< 2	< 10	77	< 10	4	7
B412736	0.070	0.030	1.57	4	5	37	0.16	< 20	3	< 2	< 10	83	< 10	4	8
B412737	0.028	0.024	1.74	11	3	58	0.06	< 20	3	< 2	< 10	41	< 10	3	7
B412738	0.031	0.030	2.45	24	8	9	0.15	< 20	< 1	< 2	< 10	128	< 10	4	10
B412739	0.155	0.035	0.43	< 2	7	21	0.18	< 20	5	< 2	< 10	105	< 10	6	6
B412740	0.224	0.041	0.41	3	5	40	0.33	< 20	3	< 2	< 10	136	23	8	13
B412741	0.180	0.036	0.60	2	8	17	0.17	< 20	3	< 2	< 10	100	< 10	6	7
B412742	0.195	0.038	0.13	7	8	12	0.19	< 20	1	< 2	< 10	86	< 10	7	6
B412743	0.187	0.040	0.23	< 2	8	13	0.20	< 20	6	< 2	< 10	101	< 10	6	6
B412744	0.193	0.035	0.27	< 2	8	24	0.26	< 20	9	< 2	< 10	85	< 10	7	7
B412745	0.181	0.037	0.49	< 2	8	16	0.25	< 20	2	< 2	< 10	99	< 10	7	7
B412746	0.055	0.036	2.63	3	5	43	0.24	< 20	5	< 2	< 10	100	< 10	5	7
B412747	0.128	0.043	1.89	< 2	7	29	0.26	< 20	< 1	< 2	< 10	107	< 10	7	7
B412748	0.189	0.040	0.29	< 2	8	14	0.24	< 20	3	< 2	< 10	94	< 10	7	7
B412749	0.200	0.038	0.08	< 2	8	24	0.27	< 20	4	< 2	< 10	96	< 10	7	6
B412750	0.028	0.017	0.65	< 2	2	303	0.06	< 20	< 1	< 2	< 10	35	< 10	4	9
B412751	0.077	0.034	2.46	< 2	6	27	0.25	< 20	7	< 2	< 10	108	< 10	6	8
B412752	0.082	0.037	0.49	< 2	6	19	0.26	< 20	< 1	< 2	< 10	131	< 10	7	6
B412753	0.110	0.036	0.54	4	6	23	0.25	< 20	4	< 2	< 10	111	< 10	7	6
B412754	0.132	0.034	0.44	< 2	6	16	0.24	< 20	5	< 2	< 10	90	< 10	6	8
B412755	0.117	0.036	0.94	4	6	18	0.19	< 20	< 1	< 2	< 10	98	< 10	6	7
B412756	0.117	0.035	0.88	4	6	21	0.19	< 20	2	< 2	< 10	93	< 10	6	6
B412757	0.085	0.038	0.82	5	5	31	0.17	< 20	< 1	< 2	< 10	114	< 10	7	10
B412758	0.121	0.031	0.68	4	8	16	0.14	< 20	6	< 2	< 10	82	< 10	6	9
B412759	0.100	0.028	0.06	< 2	6	20	0.17	< 20	5	< 2	< 10	57	< 10	6	5

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B412760	0.080	0.051	0.07	194	5	19	0.14	< 20	3	< 2	< 10	62	< 10	7	15
B412761	0.084	0.025	0.53	3	5	12	0.15	< 20	< 1	< 2	< 10	77	< 10	3	7
B412762	0.160	0.034	0.10	< 2	6	9	0.18	< 20	3	< 2	< 10	69	< 10	5	6
B412763	0.122	0.043	0.25	< 2	4	38	0.15	< 20	6	< 2	< 10	48	< 10	5	10
B412764	0.182	0.036	0.29	< 2	9	17	0.26	< 20	5	< 2	< 10	84	< 10	8	6
B412765	0.056	0.034	3.13	4	12	14	0.09	< 20	1	< 2	< 10	82	< 10	13	24
B412766	0.148	0.031	0.73	3	8	36	0.14	< 20	< 1	< 2	< 10	68	12	8	9
B412767	0.197	0.043	0.15	< 2	14	19	0.20	< 20	3	< 2	< 10	117	< 10	8	5
B412768	0.192	0.036	0.23	< 2	13	18	0.23	< 20	< 1	< 2	< 10	118	< 10	9	7
B412769	0.124	0.034	1.59	3	13	15	0.22	< 20	1	< 2	< 10	125	< 10	13	14
B412770	0.021	0.018	0.73	< 2	2	333	0.07	< 20	5	< 2	< 10	37	< 10	5	8
B412771	0.183	0.033	0.13	< 2	11	30	0.23	< 20	2	< 2	< 10	111	< 10	7	8
B412772	0.179	0.028	0.36	< 2	10	30	0.24	< 20	< 1	< 2	< 10	121	< 10	7	8
B412773	0.067	0.007	0.52	< 2	3	5	0.03	< 20	2	< 2	< 10	23	< 10	5	20
B412774	0.187	0.021	0.36	< 2	6	32	0.14	< 20	2	< 2	< 10	69	< 10	5	10
B412775	0.115	0.011	0.15	< 2	8	11	0.12	< 20	2	< 2	10	57	< 10	5	21
B412776	0.114	0.013	0.17	< 2	9	11	0.13	< 20	< 1	< 2	< 10	65	< 10	5	19
B412777	0.252	0.030	0.16	3	11	38	0.25	< 20	4	< 2	< 10	117	< 10	6	5
B412778	0.156	0.029	0.26	< 2	8	22	0.22	< 20	4	< 2	< 10	78	< 10	6	7
B412779	0.167	0.029	0.57	< 2	8	42	0.21	< 20	7	< 2	< 10	79	< 10	7	9
B412780	0.055	0.039	0.50	3	7	35	0.32	< 20	4	< 2	< 10	135	< 10	8	13
B412781	0.161	0.023	0.12	< 2	7	28	0.17	< 20	3	< 2	< 10	63	< 10	6	13
B412782	0.093	0.002	0.04	< 2	1	11	0.03	30	< 1	< 2	16	10	< 10	5	34
B412783	0.106	0.028	1.44	< 2	7	21	0.21	< 20	< 1	< 2	< 10	96	< 10	6	8
B412784	0.111	0.070	3.77	4	7	27	0.24	< 20	6	< 2	< 10	113	< 10	6	16
B412785	0.102	0.039	1.82	2	10	24	0.20	< 20	2	< 2	< 10	101	< 10	7	14
B412786	0.156	0.017	0.10	< 2	7	23	0.14	< 20	5	< 2	< 10	57	< 10	6	17
B412787	0.202	0.022	0.18	< 2	11	25	0.20	< 20	7	< 2	< 10	82	< 10	6	8
B412788	0.022	< 0.001	1.15	4	< 1	2	< 0.01	< 20	< 1	< 2	< 10	< 1	> 200	< 1	< 1
B412789	0.174	0.029	0.82	3	9	25	0.21	< 20	< 1	< 2	< 10	92	< 10	6	10
B412790	0.038	0.018	0.66	< 2	2	326	0.06	< 20	5	< 2	< 10	36	< 10	5	11
B412791	0.116	0.033	0.15	< 2	6	17	0.17	< 20	5	< 2	< 10	58	< 10	6	14
B412792	0.083	0.004	0.04	< 2	2	7	0.04	< 20	< 1	< 2	12	15	< 10	4	19
B412793	0.175	0.036	0.26	< 2	7	26	0.16	< 20	6	< 2	< 10	91	< 10	6	5
B412794	0.166	0.037	0.45	3	7	38	0.15	< 20	2	< 2	< 10	109	< 10	6	6
B412795	0.154	0.037	0.26	< 2	7	38	0.17	< 20	4	< 2	< 10	106	< 10	6	6
B412796	0.158	0.039	0.25	< 2	7	31	0.18	< 20	4	< 2	< 10	107	< 10	6	6
B412797	0.139	0.036	0.27	3	7	39	0.23	< 20	6	< 2	< 10	101	< 10	6	7
B412798	0.119	0.038	0.75	< 2	7	40	0.25	< 20	4	< 2	< 10	106	< 10	6	7
B412799	0.062	0.034	0.22	< 2	5	34	0.21	< 20	3	< 2	< 10	81	< 10	5	7
B412800	0.128	0.041	0.21	< 2	5	38	0.37	< 20	3	< 2	< 10	151	12	8	12
B412801	0.055	0.046	0.20	< 2	6	46	0.25	< 20	1	< 2	< 10	81	< 10	6	8
B412802	0.059	0.052	0.12	< 2	3	31	0.13	< 20	3	< 2	< 10	29	< 10	4	11
B412803	0.068	0.038	0.05	< 2	2	20	0.12	< 20	4	< 2	< 10	23	< 10	4	15
B412804	0.053	0.037	0.34	< 2	5	22	0.15	< 20	< 1	< 2	< 10	54	< 10	4	7
B412805	0.100	0.041	1.58	< 2	6	25	0.22	< 20	1	< 2	< 10	96	< 10	6	10
B412806	0.155	0.037	0.19	< 2	8	20	0.20	< 20	9	< 2	< 10	91	< 10	6	6
B412807	0.176	0.035	0.25	3	8	20	0.18	< 20	2	< 2	< 10	87	73	7	6
B412808	0.115	0.044	0.54	< 2	8	39	0.20	< 20	1	< 2	< 10	102	< 10	7	10
B412809	0.221	0.035	0.05	< 2	9	37	0.26	< 20	3	< 2	< 10	95	< 10	8	6
B412810	0.054	0.018	0.73	< 2	2	327	0.06	< 20	3	< 2	< 10	36	< 10	5	9

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B412811	0.228	0.034	0.08	< 2	10	30	0.27	< 20	3	< 2	< 10	102	< 10	8	6
B412812	0.219	0.036	0.10	< 2	9	19	0.25	< 20	7	< 2	< 10	92	< 10	7	7
B412813	0.243	0.046	0.17	< 2	8	24	0.24	< 20	5	< 2	< 10	106	< 10	9	7
B412814	0.043	0.028	0.07	2	5	47	0.24	< 20	< 1	< 2	< 10	79	< 10	3	8
B412815	0.068	0.038	0.05	< 2	1	30	0.08	< 20	< 1	< 2	< 10	13	< 10	4	12
B412816	0.069	0.036	0.05	< 2	1	32	0.07	< 20	5	< 2	< 10	14	< 10	4	12
B412817	0.096	0.039	0.04	< 2	1	53	0.10	< 20	3	< 2	< 10	15	< 10	5	12
B412818	0.103	0.045	0.04	< 2	2	63	0.12	< 20	5	< 2	< 10	17	< 10	6	13
B412819	0.092	0.050	0.04	< 2	2	58	0.14	< 20	8	< 2	< 10	19	< 10	6	16
B412820	0.227	0.043	0.42	3	6	42	0.35	< 20	7	< 2	< 10	142	23	8	15
B412821	0.069	0.035	0.07	< 2	1	43	0.09	< 20	3	< 2	< 10	12	< 10	4	13
B412822	0.017	0.022	0.15	< 2	1	105	0.05	< 20	< 1	< 2	< 10	22	< 10	2	8
B412823	0.008	0.028	0.36	5	1	107	0.03	< 20	< 1	< 2	< 10	17	< 10	2	10
B412824	0.026	0.035	0.47	4	2	137	0.07	< 20	3	< 2	< 10	15	< 10	4	11
B412825	0.012	0.036	0.86	3	2	101	0.08	< 20	6	< 2	< 10	23	< 10	4	12
B412826	0.017	0.041	0.47	2	13	107	0.33	< 20	6	< 2	< 10	142	< 10	8	9
B412827	0.066	0.043	0.82	4	10	34	0.32	< 20	4	< 2	< 10	139	< 10	8	10
B412828	0.109	0.041	0.56	3	8	26	0.34	< 20	7	< 2	< 10	137	< 10	7	10
B412829	0.100	0.038	0.20	< 2	5	22	0.23	< 20	6	< 2	< 10	79	< 10	5	10
B412830	0.043	0.018	0.66	< 2	2	333	0.06	< 20	< 1	< 2	< 10	36	< 10	5	13
B412831	0.054	0.032	0.45	3	9	29	0.31	< 20	2	< 2	< 10	130	< 10	6	7
B412832	0.041	0.029	0.72	2	3	31	0.23	< 20	< 1	< 2	< 10	85	< 10	4	7
B412865	0.193	0.034	0.34	< 2	8	43	0.21	< 20	1	< 2	< 10	92	< 10	7	5
B412866	0.048	0.012	0.35	< 2	3	30	0.08	< 20	3	< 2	< 10	37	< 10	5	18
B412867	0.224	0.028	1.36	< 2	10	57	0.19	< 20	< 1	< 2	< 10	113	< 10	7	12
B412868	0.259	0.035	0.08	2	12	62	0.23	< 20	< 1	< 2	< 10	123	< 10	7	3
B412869	0.219	0.028	0.16	< 2	11	38	0.23	< 20	1	< 2	< 10	121	< 10	7	5
B412870	0.016	0.018	0.69	< 2	2	317	0.07	< 20	2	< 2	< 10	37	< 10	5	11
B412871	0.116	0.031	2.12	< 2	11	26	0.23	< 20	2	< 2	< 10	125	< 10	7	10
B412872	0.099	0.002	0.02	< 2	< 1	14	< 0.01	< 20	< 1	< 2	12	2	< 10	5	20
B412873	0.077	0.002	0.03	< 2	< 1	10	< 0.01	20	< 1	< 2	14	1	< 10	5	25
B412874	0.097	0.014	0.61	< 2	8	16	0.16	< 20	6	< 2	< 10	78	< 10	6	17
B412875	0.118	0.035	0.31	< 2	11	25	0.30	< 20	< 1	< 2	< 10	131	< 10	8	7
B412876	0.110	0.034	0.38	< 2	12	25	0.31	< 20	9	< 2	< 10	135	< 10	8	8
B412877	0.256	0.029	0.12	< 2	10	93	0.24	< 20	< 1	< 2	< 10	77	< 10	8	14
B412878	0.372	0.048	0.03	3	12	89	0.23	< 20	2	< 2	< 10	124	< 10	8	11
B412879	0.193	0.038	1.10	< 2	14	150	0.20	< 20	8	< 2	< 10	138	< 10	9	16
B412880	0.124	0.040	0.21	2	5	37	0.36	< 20	3	< 2	< 10	148	< 10	8	11
B412881	0.137	0.022	0.05	< 2	7	166	0.10	20	4	< 2	21	41	< 10	6	39
B412882	0.023	0.043	0.91	< 2	13	253	0.09	< 20	1	< 2	< 10	63	< 10	6	6
B412883	0.040	0.037	0.68	2	12	238	0.05	< 20	4	< 2	< 10	49	< 10	6	5
B412884	0.031	0.013	0.18	< 2	8	277	0.02	< 20	3	< 2	< 10	27	< 10	6	5
B412885	0.041	0.012	0.82	2	9	249	0.06	< 20	< 1	< 2	< 10	89	< 10	4	11
B412886	0.083	0.003	0.19	< 2	13	174	0.16	< 20	< 1	< 2	< 10	197	< 10	5	19
B412887	0.086	0.030	0.40	3	10	197	0.12	< 20	2	< 2	< 10	137	< 10	7	19
B412888	0.156	0.060	0.40	< 2	15	108	0.15	< 20	3	< 2	< 10	142	12	8	13
B412889	0.273	0.046	0.04	< 2	19	46	0.21	< 20	2	< 2	< 10	157	107	10	17
B412890	0.024	0.018	0.77	< 2	2	307	0.06	< 20	10	< 2	< 10	36	< 10	5	10
B412891	0.253	0.040	0.09	< 2	19	57	0.27	< 20	2	< 2	< 10	160	11	11	12
B412892	0.220	0.040	0.16	< 2	19	56	0.25	< 20	5	< 2	< 10	165	85	10	12
B412893	0.223	0.041	0.55	< 2	16	54	0.20	< 20	3	< 2	< 10	155	< 10	10	16

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B412894	0.120	0.319	0.30	4	8	99	0.21	< 20	6	< 2	< 10	73	> 200	7	4
B412895	0.116	0.323	0.11	4	6	88	0.19	< 20	8	< 2	< 10	53	< 10	7	3
B412896	0.120	0.325	0.09	3	6	92	0.20	< 20	5	< 2	< 10	53	< 10	7	3

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas	0.2	< 0.5	68	1000	1	21	87	116	6.38	215	< 10	714	0.8	< 2	0.12	13	76	5.20	20	< 1	1.02	< 10	0.36
GXR-6 Cert	1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9	0.609
GXR-6 Meas	0.2	< 0.5	70	1020	1	23	91	119	6.50	224	< 10	747	0.8	< 2	0.12	13	77	5.45	20	< 1	1.05	< 10	0.38
GXR-6 Cert	1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9	0.609
GXR-6 Meas	0.3	< 0.5	69	1010	< 1	22	89	117	6.35	205	< 10	749	0.8	< 2	0.12	13	76	5.42	20	< 1	1.04	< 10	0.38
GXR-6 Cert	1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9	0.609
GXR-6 Meas	0.2	< 0.5	71	1030	1	22	91	120	6.48	219	< 10	787	0.8	< 2	0.12	13	77	5.70	20	< 1	1.06	< 10	0.40
GXR-6 Cert	1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9	0.609
OREAS 922 (AQUA REGIA) Meas	0.7	< 0.5	2290	725	< 1	32	54	240	2.61	6		64	0.7	7	0.36	18	44	4.85	< 10		0.41	31	1.22
OREAS 922 (AQUA REGIA) Cert	0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5	1.33
OREAS 922 (AQUA REGIA) Meas	0.8	< 0.5	2320	757	< 1	35	61	251	2.70	7		67	0.7	11	0.37	20	45	5.20	< 10		0.42	32	1.29
OREAS 922 (AQUA REGIA) Cert	0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5	1.33
OREAS 922 (AQUA REGIA) Meas	0.7	< 0.5	2220	730	< 1	31	60	241	2.62	8		68	0.7	6	0.37	19	43	5.06	< 10		0.42	32	1.26
OREAS 922 (AQUA REGIA) Cert	0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5	1.33
OREAS 922 (AQUA REGIA) Meas	0.7	< 0.5	2270	758	< 1	34	58	245	2.68	6		74	0.7	9	0.38	19	45	5.32	< 10		0.44	33	1.32
OREAS 922 (AQUA REGIA) Cert	0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5	1.33
OREAS 923 (AQUA REGIA) Meas	1.6	< 0.5	4490	858	< 1	32	80	333	2.74	6		58	0.6	16	0.38	22	42	5.69	< 10		0.37	30	1.35
OREAS 923 (AQUA REGIA) Cert	1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0	1.43
OREAS 923 (AQUA REGIA) Meas	1.5	< 0.5	4540	860	< 1	31	79	323	2.73	7		56	0.6	13	0.37	22	41	5.85	< 10		0.36	29	1.38
OREAS 923 (AQUA REGIA) Cert	1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0	1.43
OREAS 923 (AQUA REGIA) Meas	1.4	< 0.5	4310	825	< 1	28	75	316	2.61	6		56	0.6	18	0.37	21	41	5.67	< 10		0.35	29	1.32
OREAS 923 (AQUA REGIA) Cert	1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0	1.43
OREAS 923 (AQUA REGIA) Meas	1.6	< 0.5	4600	876	< 1	31	78	335	2.78	8		61	0.7	11	0.38	22	43	6.15	< 10		0.38	31	1.45
OREAS 923 (AQUA REGIA) Cert	1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0	1.43
Oreas 96 (Aqua Regia) Meas	11.0		> 10000				87	412						< 2		47							
Oreas 96 (Aqua Regia) Cert	11.50		39100.00				100	448						27.9		49.2							

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2		0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Oreas 96 (Aqua Regia) Meas	10.4		> 10000				86	398						4		45							
Oreas 96 (Aqua Regia) Cert	11.50		39100.00				100	448						27.9		49.2							
Oreas 96 (Aqua Regia) Meas	11.2		> 10000				87	415						< 2		47							
Oreas 96 (Aqua Regia) Cert	11.50		39100.00				100	448						27.9		49.2							
Oreas 621 (Aqua Regia) Meas	63.5	259	3370	494	10	27	> 5000	> 10000	1.47	72			< 0.5	< 2	1.51	28	34	3.04	< 10	3	0.30	17	0.39
Oreas 621 (Aqua Regia) Cert	68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4	0.436
Oreas 621 (Aqua Regia) Meas	67.8	272	3680	515	12	26	> 5000	> 10000	1.56	73			0.5	3	1.56	29	32	3.29	< 10	4	0.34	18	0.41
Oreas 621 (Aqua Regia) Cert	68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4	0.436
Oreas 621 (Aqua Regia) Meas	64.4	261	3430	503	11	23	> 5000	> 10000	1.54	69			0.5	< 2	1.52	28	30	3.18	< 10	3	0.34	18	0.41
Oreas 621 (Aqua Regia) Cert	68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4	0.436
Oreas 621 (Aqua Regia) Meas	67.8	281	3640	528	13	22	> 5000	> 10000	1.62	74			0.6	4	1.57	29	29	3.42	< 10	4	0.34	19	0.43
Oreas 621 (Aqua Regia) Cert	68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4	0.436
OREAS 45f (Aqua Regia) Meas			351	162	1	219	8	24	6.40			125	0.9	< 2	0.06	39	341	13.3	20	2	0.10	< 10	0.16
OREAS 45f (Aqua Regia) Cert			336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750	39.2	341	13.7	20.3	0.0310	0.0820	10.7	0.152
OREAS 45f (Aqua Regia) Meas			378	170	< 1	228	8	25	6.70			135	1.0	3	0.06	41	356	14.6	20	< 1	0.10	< 10	0.18
OREAS 45f (Aqua Regia) Cert			336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750	39.2	341	13.7	20.3	0.0310	0.0820	10.7	0.152
OREAS 45f (Aqua Regia) Meas			364	168	< 1	226	9	26	6.74			132	1.0	3	0.06	39	349	14.2	20	2	0.11	< 10	0.18
OREAS 45f (Aqua Regia) Cert			336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750	39.2	341	13.7	20.3	0.0310	0.0820	10.7	0.152
OREAS 45f (Aqua Regia) Meas			373	173	< 1	230	5	26	6.92			137	1.0	< 2	0.06	40	356	15.1	20	3	0.11	< 10	0.18
OREAS 45f (Aqua Regia) Cert			336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750	39.2	341	13.7	20.3	0.0310	0.0820	10.7	0.152
B412709 Orig	0.5	< 0.5	32	446	< 1	29	4	43	1.07	3	< 10	13	< 0.5	< 2	2.10	11	37	2.25	< 10	< 1	0.12	10	1.01
B412709 Dup	0.6	< 0.5	33	455	< 1	31	4	44	1.08	2	< 10	13	< 0.5	< 2	2.13	12	37	2.30	< 10	< 1	0.12	11	1.03
B412724 Orig	1.9	< 0.5	105	999	< 1	49	10	85	1.66	4	< 10	10	< 0.5	6	5.38	35	61	6.96	< 10	< 1	0.09	< 10	3.27
B412724 Dup	1.6	< 0.5	105	994	< 1	49	9	83	1.66	3	< 10	10	< 0.5	< 2	5.35	35	61	6.99	< 10	< 1	0.09	< 10	3.28
B412733 Orig	< 0.2	< 0.5	4	278	< 1	5	12	66	1.38	< 2	< 10	67	< 0.5	< 2	1.20	5	6	1.56	< 10	< 1	0.56	37	0.54
B412733 Dup	< 0.2	< 0.5	3	285	< 1	4	12	68	1.44	< 2	< 10	67	< 0.5	< 2	1.24	5	6	1.59	< 10	< 1	0.57	38	0.54
B412752 Orig	0.5	< 0.5	204	937	5	66	< 2	77	2.71	108	< 10	< 10	< 0.5	< 2	2.89	51	79	7.47	< 10	< 1	0.01	< 10	2.09
B412752 Dup	0.6	< 0.5	217	952	5	65	< 2	79	2.80	112	< 10	< 10	< 0.5	< 2	2.94	51	81	7.81	< 10	< 1	0.02	< 10	2.16
B412758 Orig	0.6	< 0.5	101	682	9	57	4	53	1.34	2710	< 10	< 10	< 0.5	< 2	2.67	40	108	4.69	< 10	< 1	0.05	< 10	1.35
B412758 Split PREP DUP	0.5	< 0.5	101	681	8	57	3	52	1.34	3170	< 10	< 10	< 0.5	< 2	2.66	41	112	4.68	< 10	< 1	0.04	< 10	1.33
B412772 Orig	0.3	< 0.5	52	818	22	76	4	84	3.47	36	< 10	45	< 0.5	< 2	2.80	36	118	5.20	< 10	< 1	1.28	< 10	2.23
B412772 Dup	0.3	< 0.5	51	825	23	76	5	84	3.48	35	< 10	45	< 0.5	< 2	2.80	37	118	5.34	< 10	< 1	1.28	< 10	2.23
B412787 Orig	0.3	< 0.5	143	488	18	40	< 2	29	1.87	2	< 10	16	< 0.5	< 2	1.92	26	43	3.39	< 10	< 1	0.12	< 10	1.69
B412787 Dup	0.3	< 0.5	147	501	19	44	< 2	30	1.92	4	< 10	16	< 0.5	< 2	1.96	28	45	3.48	< 10	< 1	0.13	< 10	1.73
B412796 Orig	0.4	< 0.5	247	619	5	53	< 2	66	1.94	15	< 10	50	< 0.5	< 2	2.58	37	53	5.52	< 10	< 1	0.50	< 10	1.46

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B412796 Dup	0.3	< 0.5	252	621	5	55	< 2	66	1.95	15	< 10	50	< 0.5	< 2	2.56	36	53	5.49	< 10	< 1	0.51	< 10	1.45
B412808 Orig	0.5	1.2	330	720	71	119	< 2	320	2.23	250	< 10	31	< 0.5	< 2	3.46	52	50	5.88	< 10	< 1	0.17	< 10	1.77
B412808 Split PREP DUP	0.5	1.1	322	700	72	114	3	339	2.16	281	< 10	30	< 0.5	< 2	3.43	52	51	5.52	< 10	< 1	0.16	< 10	1.68
B412815 Orig	< 0.2	< 0.5	26	321	2	5	25	35	1.13	4	< 10	56	< 0.5	< 2	0.64	7	7	1.52	< 10	< 1	0.24	27	0.56
B412815 Dup	< 0.2	< 0.5	25	320	1	5	25	34	1.13	5	< 10	55	< 0.5	< 2	0.63	7	7	1.52	< 10	< 1	0.24	27	0.56
B412830 Orig	< 0.2	< 0.5	13	94	< 1	12	42	63	1.62	6	43	60	< 0.5	< 2	> 10.0	3	22	1.44	< 10	< 1	0.15	< 10	1.90
B412830 Dup	< 0.2	< 0.5	13	94	< 1	10	41	63	1.59	9	42	64	< 0.5	< 2	> 10.0	3	22	1.43	< 10	< 1	0.15	< 10	1.88
B412877 Orig	< 0.2	< 0.5	45	795	7	50	2	70	2.04	2	< 10	149	< 0.5	< 2	3.48	25	79	4.80	< 10	< 1	0.88	< 10	1.53
B412877 Dup	< 0.2	< 0.5	44	795	6	50	< 2	70	2.04	2	< 10	147	< 0.5	< 2	3.45	25	79	4.75	< 10	< 1	0.86	< 10	1.51
B412886 Orig	1.2	< 0.5	358	840	8	120	3	70	1.41	< 2	< 10	20	< 0.5	< 2	4.72	40	106	7.83	< 10	< 1	0.27	< 10	2.13
B412886 Dup	1.2	< 0.5	364	858	7	123	< 2	73	1.47	< 2	< 10	21	< 0.5	< 2	4.88	40	110	7.90	< 10	< 1	0.27	< 10	2.15
B412891 Orig	< 0.2	< 0.5	72	694	19	32	< 2	39	2.00	< 2	< 10	94	< 0.5	3	3.02	28	17	5.06	< 10	< 1	0.28	< 10	2.05
B412891 Split PREP DUP	< 0.2	< 0.5	69	657	18	30	< 2	36	1.89	3	< 10	89	< 0.5	< 2	2.87	27	16	4.64	< 10	< 1	0.27	< 10	1.90
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01



Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas	0.070	0.034	0.01	4	15	26		< 20	< 1	< 2	< 10	146	< 10	3	7
GXR-6 Cert	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
GXR-6 Meas	0.075	0.035	0.01	6	16	27		< 20	< 1	< 2	< 10	151	< 10	3	8
GXR-6 Cert	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
GXR-6 Meas	0.074	0.034	0.01	3	14	25		< 20	< 1	< 2	< 10	148	< 10	3	5
GXR-6 Cert	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
GXR-6 Meas	0.080	0.035	0.01	3	15	26		< 20	< 1	< 2	< 10	153	< 10	3	7
GXR-6 Cert	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
OREAS 922 (AQUA REGIA) Meas	0.021	0.063	0.36	2	3	15		< 20		< 2	< 10	30	< 10	15	8
OREAS 922 (AQUA REGIA) Cert	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas	0.022	0.067	0.38	< 2	3	15		< 20		< 2	< 10	31	< 10	15	13
OREAS 922 (AQUA REGIA) Cert	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas	0.021	0.063	0.37	3	3	15		< 20		< 2	< 10	30	< 10	14	14
OREAS 922 (AQUA REGIA) Cert	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas	0.024	0.064	0.39	< 2	3	15		< 20		< 2	< 10	31	< 10	15	11
OREAS 922 (AQUA REGIA) Cert	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 923 (AQUA REGIA) Meas		0.063	0.67	6	3	14		< 20		< 2	< 10	30	< 10	14	26
OREAS 923 (AQUA REGIA) Cert		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 923 (AQUA REGIA) Meas		0.064	0.69	< 2	3	14		< 20		< 2	< 10	30	< 10	13	14
OREAS 923 (AQUA REGIA) Cert		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 923 (AQUA REGIA) Meas		0.059	0.67	< 2	3	13		< 20		< 2	< 10	30	< 10	13	15
OREAS 923 (AQUA REGIA) Cert		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 923 (AQUA REGIA) Meas		0.063	0.73	3	3	14		< 20		< 2	< 10	32	< 10	13	14
OREAS 923 (AQUA REGIA) Cert		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
Oreas 96 (Aqua Regia) Meas			4.01	7											
Oreas 96 (Aqua Regia) Cert			4.38	4.53											

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Oreas 96 (Aqua Regia) Meas			4.02	6											
Oreas 96 (Aqua Regia) Cert			4.38	4.53											
Oreas 96 (Aqua Regia) Meas			4.16	6											
Oreas 96 (Aqua Regia) Cert			4.38	4.53											
Oreas 621 (Aqua Regia) Meas	0.132	0.032	4.03	93	2	16		< 20		< 2	< 10	10	< 10	6	59
Oreas 621 (Aqua Regia) Cert	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
Oreas 621 (Aqua Regia) Meas	0.147	0.034	4.47	105	2	17		< 20		< 2	< 10	11	< 10	6	64
Oreas 621 (Aqua Regia) Cert	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
Oreas 621 (Aqua Regia) Meas	0.152	0.033	4.28	102	2	17		< 20		< 2	< 10	11	< 10	6	63
Oreas 621 (Aqua Regia) Cert	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
Oreas 621 (Aqua Regia) Meas	0.162	0.034	4.73	108	2	18		< 20		< 2	< 10	11	< 10	6	65
Oreas 621 (Aqua Regia) Cert	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
OREAS 45f (Aqua Regia) Meas	0.034	0.021	0.02		21	11	0.10	< 20		< 2	< 10	185		3	13
OREAS 45f (Aqua Regia) Cert	0.0320	0.0220	0.0270		31.4	13.2	0.0970	7.67		0.120	1.09	217		6.74	30.0
OREAS 45f (Aqua Regia) Meas	0.037	0.022	0.03		22	12	0.11	< 20		< 2	< 10	195		3	14
OREAS 45f (Aqua Regia) Cert	0.0320	0.0220	0.0270		31.4	13.2	0.0970	7.67		0.120	1.09	217		6.74	30.0
OREAS 45f (Aqua Regia) Meas	0.037	0.021	0.03		20	11	0.10	< 20		< 2	< 10	187		3	11
OREAS 45f (Aqua Regia) Cert	0.0320	0.0220	0.0270		31.4	13.2	0.0970	7.67		0.120	1.09	217		6.74	30.0
OREAS 45f (Aqua Regia) Meas	0.039	0.022	0.03		20	11	0.12	< 20		< 2	< 10	195		3	14
OREAS 45f (Aqua Regia) Cert	0.0320	0.0220	0.0270		31.4	13.2	0.0970	7.67		0.120	1.09	217		6.74	30.0
B412709 Orig	0.219	0.018	0.11	< 2	5	48	0.11	< 20	4	< 2	10	38	< 10	6	27
B412709 Dup	0.227	0.018	0.12	< 2	5	49	0.11	< 20	2	< 2	11	39	< 10	7	28
B412724 Orig	0.051	0.043	1.08	< 2	20	227	0.09	< 20	< 1	< 2	< 10	129	< 10	5	12
B412724 Dup	0.051	0.043	1.08	< 2	20	228	0.09	< 20	2	< 2	< 10	129	< 10	5	12
B412733 Orig	0.147	0.045	0.03	< 2	2	43	0.11	< 20	2	< 2	< 10	20	< 10	4	20
B412733 Dup	0.150	0.046	0.03	< 2	2	44	0.11	< 20	1	< 2	< 10	20	< 10	4	19
B412752 Orig	0.079	0.036	0.48	< 2	6	19	0.26	< 20	< 1	< 2	< 10	129	< 10	7	6
B412752 Dup	0.084	0.037	0.50	2	6	19	0.26	< 20	4	< 2	< 10	133	< 10	7	6
B412758 Orig	0.121	0.031	0.68	4	8	16	0.14	< 20	6	< 2	< 10	82	< 10	6	9
B412758 Split PREP DUP	0.115	0.030	0.73	3	8	16	0.14	< 20	2	< 2	< 10	80	< 10	6	9
B412772 Orig	0.180	0.028	0.36	3	10	30	0.23	< 20	< 1	< 2	< 10	121	< 10	7	7
B412772 Dup	0.178	0.028	0.37	< 2	10	29	0.24	< 20	< 1	< 2	< 10	121	< 10	7	8
B412787 Orig	0.200	0.021	0.17	< 2	11	25	0.20	< 20	5	< 2	< 10	81	< 10	6	8
B412787 Dup	0.205	0.022	0.18	< 2	11	25	0.20	< 20	9	< 2	< 10	83	< 10	6	7
B412796 Orig	0.160	0.039	0.25	4	7	31	0.18	< 20	4	< 2	< 10	107	< 10	6	6

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B412796 Dup	0.156	0.039	0.26	< 2	7	31	0.17	< 20	4	< 2	< 10	107	< 10	6	6
B412808 Orig	0.115	0.044	0.54	< 2	8	39	0.20	< 20	1	< 2	< 10	102	< 10	7	10
B412808 Split PREP DUP	0.108	0.043	0.51	< 2	8	37	0.18	< 20	3	< 2	< 10	97	< 10	6	8
B412815 Orig	0.068	0.037	0.05	< 2	1	30	0.08	< 20	6	< 2	< 10	13	< 10	4	12
B412815 Dup	0.068	0.038	0.05	< 2	1	29	0.08	< 20	< 1	< 2	< 10	13	< 10	4	12
B412830 Orig	0.043	0.018	0.66	< 2	2	334	0.06	< 20	< 1	< 2	< 10	36	< 10	5	15
B412830 Dup	0.043	0.018	0.65	< 2	2	332	0.06	< 20	2	< 2	< 10	36	< 10	5	10
B412877 Orig	0.257	0.029	0.12	2	10	93	0.24	< 20	2	< 2	< 10	77	< 10	8	14
B412877 Dup	0.254	0.028	0.12	< 2	9	93	0.24	< 20	< 1	< 2	< 10	77	< 10	8	14
B412886 Orig	0.083	0.003	0.19	< 2	13	172	0.16	< 20	2	< 2	< 10	195	< 10	5	21
B412886 Dup	0.083	0.003	0.19	< 2	13	177	0.15	< 20	< 1	< 2	< 10	200	< 10	5	18
B412891 Orig	0.253	0.040	0.09	< 2	19	57	0.27	< 20	2	< 2	< 10	160	11	11	12
B412891 Split PREP DUP	0.234	0.039	0.09	< 2	18	52	0.26	< 20	2	< 2	< 10	151	< 10	10	12
Method Blank	0.006	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	2	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.006	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	2	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.007	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.006	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.005	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.007	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.007	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	1	< 2	< 10	< 1	< 10	< 1	< 1



Report No.: A21-22704-1E3
Report Date: 02-Feb-22
Date Submitted: 07-Dec-21
Your Reference: LINGMAN LAKE FALL 2021

SIGNATURE RESOURCES LTD
235 Eleventh Line
Collingwood ON L9Y5G6
Canada

ATTN: P.GEO. Walter Hanych

CERTIFICATE OF ANALYSIS

36 Core samples were submitted for analysis.

Table with 2 columns: Analytical package(s) requested, Testing Date. Row 1: 1E3-Tbay, QOP AquaGeo (Aqua Regia ICPOES), 2022-01-25 16:27:56

REPORT A21-22704-1E3

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

Notes:

Values which exceed the upper limit should be assayed for accurate numbers.



LabID: 673

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CERTIFIED BY:

Handwritten signature of Emmanuel Esemé

Emmanuel Esemé, Ph.D.
Quality Control Coordinator

## Results

## Activation Laboratories Ltd.

## Report: A21-22704

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B412833	0.6	< 0.5	112	840	55	55	< 2	56	2.03	63	< 10	< 10	< 0.5	< 2	2.86	44	48	5.52	< 10	< 1	0.03	< 10	1.56
B412834	0.8	< 0.5	213	838	< 1	42	< 2	65	2.04	41	< 10	< 10	< 0.5	< 2	2.98	41	39	5.69	< 10	< 1	0.06	< 10	1.42
B412835	0.8	< 0.5	262	791	4	54	< 2	64	1.92	49	< 10	< 10	< 0.5	< 2	2.63	43	46	5.23	< 10	< 1	0.05	< 10	1.40
B412836	0.8	< 0.5	251	805	4	59	< 2	65	1.97	52	< 10	16	< 0.5	< 2	2.82	44	48	5.32	< 10	< 1	0.05	< 10	1.41
B412837	0.4	< 0.5	56	861	8	60	6	72	2.44	37	< 10	17	< 0.5	< 2	3.35	33	86	5.12	< 10	< 1	0.20	< 10	1.47
B412838	0.3	< 0.5	106	734	6	55	2	68	2.44	13	< 10	29	< 0.5	< 2	2.91	31	75	4.65	< 10	< 1	0.28	18	1.48
B412839	0.5	< 0.5	142	903	6	75	3	74	2.99	39	< 10	20	< 0.5	< 2	3.80	41	101	5.55	< 10	< 1	0.25	< 10	1.52
B412840	< 0.2	< 0.5	25	253	< 1	62	9	84	2.98	341	< 10	103	1.4	< 2	0.25	13	111	3.55	< 10	< 1	0.93	34	1.28
B412841	16.3	< 0.5	184	872	5	102	17	121	3.60	2310	< 10	36	< 0.5	< 2	1.67	56	119	7.54	< 10	< 1	0.47	< 10	1.73
B412842	1.3	< 0.5	102	973	2	84	< 2	83	2.62	89	< 10	15	< 0.5	< 2	3.32	41	105	5.75	< 10	< 1	0.26	< 10	1.63
B412843	0.5	< 0.5	74	956	1	100	< 2	103	3.97	346	< 10	32	< 0.5	< 2	1.23	52	150	7.69	< 10	2	0.67	< 10	2.32
B412844	0.5	< 0.5	73	808	< 1	65	5	42	3.25	148	< 10	14	< 0.5	< 2	2.52	33	115	4.53	< 10	< 1	0.27	< 10	1.75
B412845	1.4	< 0.5	95	905	2	86	< 2	74	2.91	56	< 10	< 10	< 0.5	6	2.77	46	114	6.03	< 10	< 1	0.20	< 10	1.66
B412846	1.1	< 0.5	107	975	2	88	< 2	80	2.94	69	< 10	< 10	< 0.5	< 2	3.09	53	109	5.70	< 10	2	0.13	< 10	1.49
B412847	1.7	< 0.5	111	967	3	79	2	81	2.93	50	< 10	< 10	< 0.5	< 2	3.42	45	107	5.78	< 10	< 1	0.09	< 10	1.72
B412848	> 100	< 0.5	156	667	3	77	77	100	2.07	4830	< 10	< 10	< 0.5	< 2	1.84	44	90	6.10	< 10	< 1	0.14	< 10	1.26
B412849	8.4	< 0.5	141	735	4	98	13	91	2.42	6830	< 10	14	< 0.5	< 2	2.72	48	89	7.75	< 10	< 1	0.30	< 10	1.60
B412850	< 0.2	< 0.5	13	95	< 1	10	46	61	1.73	13	43	81	< 0.5	< 2	> 10.0	3	23	1.48	< 10	< 1	0.04	< 10	1.85
B412851	1.4	< 0.5	111	805	< 1	63	< 2	78	2.29	46	< 10	< 10	< 0.5	< 2	2.84	40	93	5.16	< 10	< 1	0.08	< 10	1.36
B412852	0.9	< 0.5	101	795	< 1	54	< 2	63	2.35	46	< 10	< 10	< 0.5	< 2	2.88	41	80	4.83	< 10	< 1	0.09	< 10	1.31
B412853	0.8	< 0.5	102	752	< 1	53	3	48	2.31	43	< 10	< 10	< 0.5	2	3.21	39	77	4.35	< 10	< 1	0.07	< 10	1.35
B412854	0.6	< 0.5	97	697	2	71	< 2	45	2.75	57	< 10	< 10	< 0.5	< 2	3.71	43	77	4.42	< 10	< 1	0.07	< 10	1.43
B412855	0.8	< 0.5	156	859	< 1	84	3	69	2.51	56	< 10	< 10	< 0.5	< 2	4.08	45	90	5.73	< 10	< 1	0.09	< 10	1.42
B412856	0.8	< 0.5	193	822	< 1	80	3	66	2.33	63	< 10	< 10	< 0.5	< 2	4.10	46	84	5.35	< 10	< 1	0.08	< 10	1.32
B412857	0.7	< 0.5	132	799	7	68	2	59	2.33	41	< 10	< 10	< 0.5	3	3.49	41	93	5.17	< 10	1	0.10	< 10	1.38
B412858	0.7	< 0.5	116	1030	< 1	86	< 2	76	2.75	47	< 10	11	< 0.5	< 2	3.91	48	108	5.57	< 10	< 1	0.17	< 10	1.55
B412859	18.0	< 0.5	93	736	7	73	18	119	2.24	6320	< 10	13	< 0.5	< 2	2.19	42	80	6.70	< 10	< 1	0.29	< 10	1.35
B412860	1.2	< 0.5	139	686	3	115	18	70	3.10	39	33	33	< 0.5	< 2	2.87	31	291	5.54	< 10	< 1	0.14	< 10	2.59
B412861	2.7	< 0.5	153	1040	3	91	5	97	3.01	1970	< 10	< 10	< 0.5	< 2	3.70	50	116	6.86	< 10	< 1	0.19	< 10	1.78
B412862	0.3	< 0.5	68	826	6	65	< 2	55	3.10	52	< 10	< 10	< 0.5	< 2	3.17	41	85	5.54	< 10	< 1	0.15	< 10	1.80
B412863	0.9	< 0.5	208	952	4	98	5	47	2.11	275	< 10	12	< 0.5	< 2	2.79	49	85	8.47	< 10	< 1	0.16	< 10	1.52
B412864	0.6	< 0.5	70	812	2	70	2	55	2.79	45	< 10	< 10	< 0.5	< 2	2.89	45	87	5.34	< 10	< 1	0.12	< 10	1.72
B412897	6.9	2.6	40	426	< 1	10	30	98	0.64	< 2	< 10	29	< 0.5	17	2.04	4	16	1.42	< 10	< 1	0.16	13	0.55
B412898	0.7	< 0.5	16	253	< 1	< 1	6	19	0.34	< 2	< 10	< 10	< 0.5	< 2	1.19	2	2	0.74	< 10	< 1	0.02	12	0.23
B412899	2.1	< 0.5	14	207	< 1	< 1	9	27	0.31	2	< 10	< 10	< 0.5	3	0.59	< 1	2	0.66	< 10	< 1	0.01	< 10	0.18
B412900	2.4	0.6	185	741	1	51	30	132	3.61	65	60	33	< 0.5	< 2	3.07	29	30	6.13	< 10	< 1	0.16	< 10	1.65

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
B412833	0.138	0.033	0.17	2	7	31	0.36	< 20	5	< 2	< 10	105	< 10	7	9
B412834	0.216	0.036	0.12	3	8	38	0.36	< 20	5	< 2	< 10	108	< 10	8	7
B412835	0.187	0.035	0.14	2	8	32	0.33	< 20	3	< 2	< 10	100	< 10	7	7
B412836	0.186	0.035	0.14	3	8	33	0.33	< 20	1	< 2	< 10	100	< 10	7	7
B412837	0.132	0.033	0.39	4	14	37	0.27	< 20	< 1	< 2	< 10	123	14	9	10
B412838	0.139	0.043	0.17	3	12	35	0.26	< 20	< 1	< 2	< 10	113	13	8	11
B412839	0.211	0.040	0.17	5	18	35	0.34	< 20	4	< 2	< 10	156	< 10	10	5
B412840	0.097	0.053	0.08	240	6	23	0.18	< 20	3	< 2	< 10	71	< 10	8	30
B412841	0.138	0.045	1.08	29	17	20	0.26	< 20	< 1	< 2	< 10	175	10	12	12
B412842	0.148	0.039	1.12	5	15	26	0.34	< 20	2	< 2	< 10	151	< 10	8	5
B412843	0.075	0.043	0.29	4	16	18	0.39	< 20	< 1	< 2	< 10	216	< 10	11	8
B412844	0.219	0.042	0.08	5	16	36	0.37	< 20	2	< 2	< 10	154	< 10	10	7
B412845	0.189	0.041	0.47	4	20	31	0.36	< 20	< 1	< 2	< 10	167	< 10	12	7
B412846	0.136	0.039	0.29	4	17	34	0.35	< 20	< 1	< 2	< 10	155	47	10	5
B412847	0.149	0.039	0.26	4	15	35	0.34	< 20	7	< 2	< 10	143	< 10	8	3
B412848	0.097	0.027	2.21	67	12	22	0.19	< 20	2	< 2	< 10	113	< 10	8	6
B412849	0.049	0.036	5.01	34	12	22	0.21	< 20	< 1	< 2	< 10	114	< 10	8	12
B412850	0.029	0.018	0.67	< 2	2	329	0.07	< 20	< 1	< 2	< 10	38	< 10	5	28
B412851	0.182	0.036	0.24	4	16	27	0.32	< 20	< 1	< 2	< 10	140	< 10	9	6
B412852	0.195	0.038	0.14	4	14	33	0.32	< 20	< 1	< 2	< 10	127	< 10	9	5
B412853	0.134	0.038	0.13	4	13	43	0.33	< 20	3	< 2	< 10	120	< 10	10	6
B412854	0.141	0.037	0.20	4	13	43	0.32	< 20	4	< 2	< 10	123	< 10	10	6
B412855	0.195	0.039	0.76	4	16	29	0.26	< 20	3	< 2	< 10	130	< 10	8	5
B412856	0.174	0.039	0.76	4	14	27	0.25	< 20	2	< 2	< 10	120	< 10	8	5
B412857	0.192	0.035	0.58	4	15	26	0.28	< 20	3	< 2	< 10	132	< 10	9	5
B412858	0.231	0.040	0.27	3	19	35	0.30	< 20	2	< 2	< 10	152	< 10	11	5
B412859	0.086	0.027	3.45	39	11	21	0.18	< 20	< 1	< 2	< 10	111	< 10	8	8
B412860	0.061	0.038	0.48	3	8	38	0.39	< 20	4	< 2	< 10	151	< 10	9	17
B412861	0.178	0.042	2.39	12	17	32	0.26	< 20	< 1	< 2	< 10	158	< 10	9	6
B412862	0.270	0.040	0.15	3	15	32	0.29	< 20	< 1	< 2	< 10	128	< 10	8	4
B412863	0.106	0.037	3.47	6	11	22	0.31	< 20	< 1	< 2	< 10	114	< 10	9	9
B412864	0.158	0.039	0.22	3	14	34	0.32	< 20	< 1	< 2	< 10	123	< 10	8	5
B412897	0.162	0.005	0.28	< 2	3	40	0.10	20	3	< 2	13	21	< 10	7	37
B412898	0.166	0.002	0.11	< 2	1	33	0.04	30	1	< 2	18	9	< 10	7	49
B412899	0.170	0.003	0.08	< 2	1	19	0.03	30	< 1	< 2	15	6	< 10	5	40
B412900	0.252	0.042	0.44	3	7	50	0.41	< 20	4	< 2	< 10	162	22	9	22

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas	0.3	< 0.5	69	1090	2	24	104	129	7.13	234	< 10	790	0.9	< 2	0.15	14	82	5.70	10	2	1.00	< 10	0.39
GXR-6 Cert	1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9	0.609
GXR-6 Meas	0.3	< 0.5	68	1080	2	26	102	128	7.09	235	< 10	792	0.9	< 2	0.15	13	81	5.60	10	2	0.99	< 10	0.39
GXR-6 Cert	1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9	0.609
GXR-6 Meas	0.4	< 0.5	69	1090	1	25	93	126	7.05	220	< 10	893	0.8	2	0.15	13	77	5.65	10	3	0.99	< 10	0.40
GXR-6 Cert	1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9	0.609
GXR-6 Meas	0.3	< 0.5	69	1080	1	25	94	124	7.00	214	< 10	881	0.8	2	0.14	13	76	5.64	10	3	0.99	< 10	0.40
GXR-6 Cert	1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9	0.609
GXR-6 Meas	0.4	< 0.5	68	1090	1	24	94	127	7.02	225	< 10	877	0.8	2	0.14	13	77	5.61	10	2	1.01	< 10	0.40
GXR-6 Cert	1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9	0.609
OREAS 98 (Aqua Regia) Meas	43.4		> 10000				291	1200						14		110							
OREAS 98 (Aqua Regia) Cert	42.8		147000				343	1300						93		111							
OREAS 98 (Aqua Regia) Meas	43.5		> 10000				292	1210						17		110							
OREAS 98 (Aqua Regia) Cert	42.8		147000				343	1300						93		111							
OREAS 98 (Aqua Regia) Meas	38.2		> 10000				249	1190						43		102							
OREAS 98 (Aqua Regia) Cert	42.8		147000				343	1300						93		111							
OREAS 98 (Aqua Regia) Meas	38.7		> 10000				254	1210						42		104							
OREAS 98 (Aqua Regia) Cert	42.8		147000				343	1300						93		111							
OREAS 922 (AQUA REGIA) Meas	0.9	< 0.5	2270	804	< 1	35	69	274	2.91	6		75	0.7	9	0.41	20	48	5.28	< 10		0.42	35	1.31
OREAS 922 (AQUA REGIA) Cert	0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5	1.33
OREAS 922 (AQUA REGIA) Meas	1.0	< 0.5	2250	813	< 1	35	73	275	2.94	6		75	0.7	10	0.41	20	47	5.30	< 10		0.42	36	1.32
OREAS 922 (AQUA REGIA) Cert	0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5	1.33
OREAS 922 (AQUA REGIA) Meas	0.8	< 0.5	2140	783	< 1	33	55	255	2.76	6		76	0.7	8	0.37	19	43	5.06	< 10		0.39	34	1.31
OREAS 922 (AQUA REGIA) Cert	0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5	1.33
OREAS 922 (AQUA REGIA) Meas	2.0	< 0.5	2180	794	< 1	34	60	269	2.77	8		77	0.7	6	0.38	19	44	5.07	< 10		0.39	34	1.32
OREAS 922 (AQUA REGIA) Cert	0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5	1.33
OREAS 922 (AQUA REGIA) Meas	0.9	< 0.5	2210	809	< 1	36	60	270	2.86	7		83	0.7	9	0.39	20	45	5.19	< 10		0.42	36	1.35
OREAS 922 (AQUA REGIA) Cert	0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5	1.33
OREAS 923 (AQUA REGIA) Meas	1.6	< 0.5	4430	916	< 1	34	94	355	2.91	6		60	0.7	23	0.41	22	44	6.09	< 10		0.36	33	1.41

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
OREAS 923 (AQUA REGIA) Cert	1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0	1.43
OREAS 923 (AQUA REGIA) Meas	1.7	0.5	4380	900	< 1	35	94	352	2.90	6		59	0.6	26	0.40	22	45	6.04	< 10		0.35	33	1.39
OREAS 923 (AQUA REGIA) Cert	1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0	1.43
OREAS 923 (AQUA REGIA) Meas	2.0	< 0.5	4250	895	< 1	32	80	335	2.79	6		64	0.6	20	0.38	21	42	5.83	< 10		0.33	31	1.40
OREAS 923 (AQUA REGIA) Cert	1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0	1.43
OREAS 923 (AQUA REGIA) Meas	1.7	< 0.5	4340	906	< 1	32	83	343	2.86	7		64	0.6	20	0.38	22	41	5.97	< 10		0.34	32	1.43
OREAS 923 (AQUA REGIA) Cert	1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0	1.43
OREAS 923 (AQUA REGIA) Meas	1.6	< 0.5	4390	919	< 1	32	83	348	2.88	8		68	0.7	27	0.39	22	42	6.05	< 10		0.36	32	1.45
OREAS 923 (AQUA REGIA) Cert	1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0	1.43
Oreas 96 (Aqua Regia) Meas	11.8		> 10000				96	436						19		48							
Oreas 96 (Aqua Regia) Cert	11.50		39100.00				100	448						27.9		49.2							
Oreas 96 (Aqua Regia) Meas	11.5		> 10000				94	428						6		47							
Oreas 96 (Aqua Regia) Cert	11.50		39100.00				100	448						27.9		49.2							
Oreas 96 (Aqua Regia) Meas	10.5		> 10000				85	414						47		44							
Oreas 96 (Aqua Regia) Cert	11.50		39100.00				100	448						27.9		49.2							
Oreas 96 (Aqua Regia) Meas	10.7		> 10000				88	417						45		47							
Oreas 96 (Aqua Regia) Cert	11.50		39100.00				100	448						27.9		49.2							
Oreas 96 (Aqua Regia) Meas	10.8		> 10000				89	430						66		49							
Oreas 96 (Aqua Regia) Cert	11.50		39100.00				100	448						27.9		49.2							
Oreas 621 (Aqua Regia) Meas	72.7	288	3650	548	15	26	> 5000	> 10000	1.73	77			0.5	< 2	1.61	30	35	3.36	< 10	4	0.32	18	0.42
Oreas 621 (Aqua Regia) Cert	68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4	0.436
Oreas 621 (Aqua Regia) Meas	74.5	286	3670	568	14	26	> 5000	> 10000	1.77	77			0.6	< 2	1.66	31	34	3.38	< 10	4	0.32	19	0.43
Oreas 621 (Aqua Regia) Cert	68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4	0.436
Oreas 621 (Aqua Regia) Meas	68.6	277	3580	563	13	24	> 5000	> 10000	1.71	75			0.5	6	1.63	31	29	3.36	< 10	4	0.32	18	0.45
Oreas 621 (Aqua Regia) Cert	68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4	0.436
Oreas 621 (Aqua Regia) Meas	68.3	277	3540	565	13	24	> 5000	> 10000	1.71	76			0.6	6	1.63	30	29	3.35	< 10	4	0.32	18	0.45



Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Regia) Meas																							
Oreas 621 (Aqua Regia) Cert	68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4	0.436
Oreas 621 (Aqua Regia) Meas	70.0	287	3630	577	13	27	> 5000	> 10000	1.75	78			0.6	3	1.67	31	33	3.43	< 10	4	0.32	19	0.46
Oreas 621 (Aqua Regia) Cert	68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4	0.436
OREAS 45f (Aqua Regia) Meas			374	184	2	247	10	27	7.44			140	1.0	< 2	0.07	42	379	14.5	20	3	0.10	10	0.18
OREAS 45f (Aqua Regia) Cert			336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750	39.2	341	13.7	20.3	0.0310	0.0820	10.7	0.152
OREAS 45f (Aqua Regia) Meas			371	182	1	244	9	27	7.27			139	1.0	2	0.07	41	370	14.3	20	2	0.10	10	0.18
OREAS 45f (Aqua Regia) Cert			336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750	39.2	341	13.7	20.3	0.0310	0.0820	10.7	0.152
OREAS 45f (Aqua Regia) Meas			347	169	< 1	226	9	25	6.62			144	0.9	2	0.07	38	333	13.8	20	< 1	0.09	< 10	0.17
OREAS 45f (Aqua Regia) Cert			336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750	39.2	341	13.7	20.3	0.0310	0.0820	10.7	0.152
B412843 Orig	0.4	< 0.5	73	943	2	99	< 2	100	3.93	344	< 10	32	< 0.5	< 2	1.22	52	148	7.62	< 10	2	0.66	< 10	2.29
B412843 Dup	0.5	< 0.5	75	968	1	102	< 2	107	4.01	348	< 10	33	< 0.5	< 2	1.25	51	152	7.77	< 10	2	0.68	< 10	2.35
B412851 Orig	1.4	< 0.5	111	805	< 1	63	< 2	78	2.29	46	< 10	< 10	< 0.5	< 2	2.84	40	93	5.16	< 10	< 1	0.08	< 10	1.36
B412851 Split PREP DUP	1.3	< 0.5	104	788	< 1	64	2	71	2.25	46	< 10	< 10	< 0.5	< 2	2.81	40	91	4.97	< 10	< 1	0.07	< 10	1.33
B412858 Orig	0.7	< 0.5	117	1040	< 1	86	< 2	77	2.76	48	< 10	12	< 0.5	2	3.94	48	109	5.61	< 10	< 1	0.17	< 10	1.56
B412858 Dup	0.7	< 0.5	115	1020	1	85	< 2	76	2.73	47	< 10	11	< 0.5	< 2	3.88	48	107	5.52	< 10	< 1	0.16	< 10	1.53
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas	0.110	0.035	0.01	4	19	33		< 20	< 1	< 2	< 10	170	< 10	4	12
GXR-6 Cert	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
GXR-6 Meas	0.109	0.034	0.01	4	19	33		< 20	< 1	< 2	< 10	169	< 10	4	13
GXR-6 Cert	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
GXR-6 Meas	0.128	0.033	0.01	2	19	34		< 20	< 1	< 2	< 10	161	< 10	4	9
GXR-6 Cert	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
GXR-6 Meas	0.126	0.033	0.01	3	19	33		< 20	< 1	< 2	< 10	160	< 10	4	9
GXR-6 Cert	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
GXR-6 Meas	0.122	0.033	0.01	3	19	33		< 20	< 1	< 2	< 10	164	< 10	4	11
GXR-6 Cert	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
OREAS 98 (Aqua Regia) Meas				15											
OREAS 98 (Aqua Regia) Cert				15											
OREAS 98 (Aqua Regia) Meas				18											
OREAS 98 (Aqua Regia) Cert				15											
OREAS 98 (Aqua Regia) Meas				18											
OREAS 98 (Aqua Regia) Cert				15											
OREAS 98 (Aqua Regia) Meas				16											
OREAS 98 (Aqua Regia) Cert				15											
OREAS 922 (AQUA REGIA) Meas	0.025	0.064	0.38	3	4	17		< 20		< 2	< 10	35	< 10	16	6
OREAS 922 (AQUA REGIA) Cert	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas	0.025	0.065	0.39	3	4	17		< 20		< 2	< 10	35	< 10	17	10
OREAS 922 (AQUA REGIA) Cert	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas	0.025	0.061	0.36	< 2	4	16		< 20		< 2	< 10	32	< 10	16	11
OREAS 922 (AQUA REGIA) Cert	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas	0.026	0.062	0.36	3	4	17		< 20		< 2	< 10	33	< 10	16	12
OREAS 922 (AQUA REGIA) Cert	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas	0.027	0.064	0.36	< 2	4	17		< 20		< 2	< 10	34	< 10	17	22
OREAS 922 (AQUA REGIA) Cert	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 923 (AQUA REGIA) Meas		0.061	0.69	< 2	4	15		< 20		< 2	< 10	34	< 10	15	10

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
OREAS 923 (AQUA REGIA) Cert		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 923 (AQUA REGIA) Meas		0.061	0.68	4	4	15		< 20		< 2	< 10	33	< 10	15	13
OREAS 923 (AQUA REGIA) Cert		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 923 (AQUA REGIA) Meas		0.059	0.65	3	3	15		< 20		< 2	< 10	32	< 10	14	19
OREAS 923 (AQUA REGIA) Cert		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 923 (AQUA REGIA) Meas		0.059	0.66	3	4	15		< 20		< 2	< 10	33	< 10	15	19
OREAS 923 (AQUA REGIA) Cert		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 923 (AQUA REGIA) Meas		0.061	0.68	< 2	4	15		< 20		< 2	< 10	34	< 10	15	27
OREAS 923 (AQUA REGIA) Cert		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
Oreas 96 (Aqua Regia) Meas			3.69	6											
Oreas 96 (Aqua Regia) Cert			4.38	4.53											
Oreas 96 (Aqua Regia) Meas			3.86	8											
Oreas 96 (Aqua Regia) Cert			4.38	4.53											
Oreas 96 (Aqua Regia) Meas			3.83	7											
Oreas 96 (Aqua Regia) Cert			4.38	4.53											
Oreas 96 (Aqua Regia) Meas			3.94	6											
Oreas 96 (Aqua Regia) Cert			4.38	4.53											
Oreas 96 (Aqua Regia) Meas			3.53	6											
Oreas 96 (Aqua Regia) Cert			4.38	4.53											
Oreas 621 (Aqua Regia) Meas	0.153	0.034	4.72	107	2	18		< 20		< 2	< 10	12	< 10	6	70
Oreas 621 (Aqua Regia) Cert	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
Oreas 621 (Aqua Regia) Meas	0.156	0.035	4.78	112	2	20		< 20		< 2	< 10	12	< 10	6	72
Oreas 621 (Aqua Regia) Cert	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
Oreas 621 (Aqua Regia) Meas	0.157	0.034	4.72	104	2	19		< 20		< 2	< 10	12	< 10	6	67
Oreas 621 (Aqua Regia) Cert	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
Oreas 621 (Aqua Regia) Meas	0.158	0.034	4.70	106	2	19		< 20		< 2	< 10	12	< 10	6	68

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Regia) Meas															
Oreas 621 (Aqua Regia) Cert	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
Oreas 621 (Aqua Regia) Meas	0.160	0.035	4.83	103	2	20		< 20		< 2	< 10	12	< 10	6	67
Oreas 621 (Aqua Regia) Cert	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
OREAS 45f (Aqua Regia) Meas	0.044	0.022	0.03		28	15	0.14	< 20		< 2	< 10	214		4	22
OREAS 45f (Aqua Regia) Cert	0.0320	0.0220	0.0270		31.4	13.2	0.0970	7.67		0.120	1.09	217		6.74	30.0
OREAS 45f (Aqua Regia) Meas	0.043	0.022	0.03		28	15	0.14	< 20		2	< 10	210		4	24
OREAS 45f (Aqua Regia) Cert	0.0320	0.0220	0.0270		31.4	13.2	0.0970	7.67		0.120	1.09	217		6.74	30.0
OREAS 45f (Aqua Regia) Meas	0.042	0.020	0.02		27	14	0.10	< 20		< 2	< 10	194		4	18
OREAS 45f (Aqua Regia) Cert	0.0320	0.0220	0.0270		31.4	13.2	0.0970	7.67		0.120	1.09	217		6.74	30.0
B412843 Orig	0.074	0.043	0.29	5	16	18	0.38	< 20	< 1	< 2	< 10	213	< 10	11	8
B412843 Dup	0.076	0.044	0.30	3	16	18	0.39	< 20	2	< 2	< 10	219	< 10	11	8
B412851 Orig	0.182	0.036	0.24	4	16	27	0.32	< 20	< 1	< 2	< 10	140	< 10	9	6
B412851 Split PREP DUP	0.175	0.036	0.25	4	15	27	0.31	< 20	< 1	< 2	< 10	139	< 10	9	5
B412858 Orig	0.234	0.040	0.26	3	19	36	0.30	< 20	2	< 2	< 10	153	< 10	11	5
B412858 Dup	0.229	0.040	0.27	4	19	35	0.29	< 20	2	< 2	< 10	151	< 10	11	5
Method Blank	0.007	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.006	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.007	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.006	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.007	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.007	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.006	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.006	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1

## **19.0 APPENDIX-5. TRACE ELEMENT SUMMARY**

	B	C	D	I	J	K
1						
2	<b>DDH</b>	<b>From</b>	<b>To</b>	<b>ng/g Au</b>	<b>µg/g Ag</b>	<b>Au:Ag</b>
3	<b>LM21-01</b>					
4	LM21-01	12.00	13.00	2.5	0.4	0.01
5	LM21-01	13.00	14.00	2.5	0.4	0.01
6	LM21-01	14.00	15.00	2.5	0.1	0.03
7	LM21-01	15.00	16.00	2.5	0.1	0.03
8	LM21-01	16.00	17.00	2.5	0.1	0.03
9	LM21-01	17.00	18.00	2.5	0.1	0.03
10	LM21-01	18.00	19.00	2.5	0.6	0.00
11	LM21-01	19.00	20.00	2.5	0.1	0.03
12	LM21-01	20.00	21.00	8	0.2	0.04
13	LM21-01	21.00	22.00	29	0.7	0.04
14	LM21-01	22.00	23.00	120	0.8	0.15
15	LM21-01	23.00	24.00	36	0.3	0.12
16	LM21-01	24.00	25.00	131	0.6	0.22
17	LM21-01	25.00	26.00	1160	0.9	1.29
18	LM21-01	26.00	27.00	122	0.3	0.41
19	LM21-01	27.00	28.00	551	0.1	5.51
20	LM21-01	28.00	29.00	44	0.1	0.44
21	LM21-01	29.00	30.00	15	0.1	0.15
22	LM21-01	30.00	31.00	9	0.1	0.09
23	LM21-01	31.00	32.00	10	0.1	0.10
24	<b>LM21-02</b>					
25	LM21-02	29.00	30.00	6	0.1	0.06
26	LM21-02	30.00	31.00	196	0.4	0.49
27	LM21-02	31.00	32.00	17	0.2	0.09
28	LM21-02	32.00	33.00	22	0.3	0.07
29	LM21-02	33.00	34.00	10	0.3	0.03
30	LM21-02	34.00	35.00	9	0.4	0.02
31	LM21-02	35.00	36.00	37	0.5	0.07
32	LM21-02	36.00	37.00	8	0.2	0.04
33	LM21-02	37.00	38.00	12	0.1	0.12
34	LM21-02	38.00	39.00	9	0.1	0.09
35	LM21-02	39.00	40.00	9	0.1	0.09
36	LM21-02	40.00	41.00	24	0.1	0.24
37	LM21-02	41.00	42.00	177	0.4	0.44
38	LM21-02	42.00	43.00	7	0.3	0.02
39	LM21-02	43.00	44.00	130	0.3	0.43
40	LM21-02	44.00	45.00	13	0.1	0.13
41	LM21-02	45.00	46.00	6	0.1	0.06
42	LM21-02	46.00	47.00	665	0.1	6.65
43	LM21-02	47.00	48.00	8	0.3	0.03
44	LM21-02	48.00	49.00	8	0.4	0.02
45	LM21-02	49.00	50.00	143	0.5	0.29
46	LM21-02	50.00	51.00	237	1.4	0.17
47	LM21-02	51.00	52.00	611	0.8	0.76
48	LM21-02	52.00	53.00	39	0.4	0.10
49	LM21-02	53.00	54.00	149	0.6	0.25
50	LM21-02	54.00	55.00	240	0.5	0.48
51	LM21-02	55.00	56.00	28	1.1	0.03
52	LM21-02	56.00	57.00	7	0.3	0.02
53	LM21-02	57.00	58.00	27	0.6	0.05
54	LM21-02	58.00	59.00	36	0.6	0.06
55	LM21-02	59.00	60.00	10	0.4	0.03
56	LM21-02	96.00	97.00	8	0.1	0.08
57	LM21-02	97.00	98.00	335	0.6	0.56
58	LM21-02	98.00	99.00	591	0.5	1.18
59	LM21-02	99.00	100.00	171	0.5	0.34

	B	C	D	I	J	K
1						
2	<b>DDH</b>	<b>From</b>	<b>To</b>	<b>ng/g Au</b>	<b>µg/g Ag</b>	<b>Au:Ag</b>
3	<b>LM21-01</b>					
60	LM21-02	100.00	101.00	39	0.1	0.39
61	LM21-02	101.00	102.00	8	0.1	0.08
62	LM21-02	102.00	103.00	46	0.1	0.46
63	LM21-02	103.00	104.00	96	0.1	0.96
64	LM21-02	104.00	105.00	18	0.1	0.18
65	LM21-02	105.00	106.00	20	0.1	0.20
66	LM21-02	106.00	107.00	42	0.3	0.14
67	LM21-02	107.00	107.50	355	1	0.36
68	LM21-02	107.50	108.00	2950	3.2	0.92
69	LM21-02	108.00	108.50	1840	2.1	0.88
70	LM21-02	108.50	109.00	1960	2.3	0.85
71	LM21-02	109.00	110.00	8	0.1	0.08
72	LM21-02	110.00	111.00	2.5	0.1	0.03
73	LM21-02	111.00	112.00	2.5	0.1	0.03
74	LM21-02	112.00	113.00	9	0.1	0.09
75	LM21-02	113.00	114.00	13	0.1	0.13
76	LM21-02	114.00	115.00	17	0.1	0.17
77	LM21-02	115.00	116.00	11	0.1	0.11
78	<b>LM21-03</b>					
79	LM21-03	21.00	22.00	7	0.2	0.04
80	LM21-03	22.00	23.00	10	0.3	0.03
81	LM21-03	23.00	24.00	19	0.1	0.19
82	LM21-03	24.00	25.00	24	0.2	0.12
83	LM21-03	25.00	26.00	25	0.2	0.13
84	LM21-03	26.00	27.00	23	0.1	0.23
85	LM21-03	27.00	28.00	24	0.1	0.24
86	LM21-03	28.00	29.00	36	0.3	0.12
87	LM21-03	29.00	30.00	18	0.5	0.04
88	LM21-03	30.00	31.00	21	0.4	0.05
89	LM21-03	31.00	32.00	33	0.3	0.11
90	LM21-03	32.00	33.00	19	0.3	0.06
91	LM21-03	33.00	34.00	20	0.2	0.10
92	LM21-03	34.00	35.00	38	0.4	0.10
93	LM21-03	35.00	36.00	24	0.5	0.05
94	LM21-03	51.00	52.00	31	0.2	0.16
95	LM21-03	52.00	53.00	298	0.2	1.49
96	LM21-03	53.00	54.00	588	0.3	1.96
97	LM21-03	54.00	55.00	20	0.3	0.07
98	LM21-03	55.00	56.00	198	0.3	0.66
99	LM21-03	56.00	57.00	63	0.1	0.63
100	LM21-03	57.00	58.00	1760	0.4	4.40
101	LM21-03	58.00	59.00	10	0.4	0.03
102	LM21-03	80.00	81.00	383	0.4	0.96
103	LM21-03	81.00	82.00	508	0.5	1.02
104	LM21-03	82.00	83.00	11	0.3	0.04
105	LM21-03	83.00	84.00	13	0.5	0.03
106	LM21-03	84.00	85.00	33	0.3	0.11
107	LM21-03	94.00	95.00	135	0.3	0.45
108	LM21-03	95.00	96.00	38	0.3	0.13
109	LM21-03	96.00	97.00	41	0.4	0.10
110	LM21-03	97.00	98.00	33	0.3	0.11
111	LM21-03	98.00	99.00	51	0.9	0.06
112	LM21-03	99.00	100.00	23	0.4	0.06
113	LM21-03	100.00	101.00	30	0.4	0.08
114	LM21-03	101.00	102.00	28	0.4	0.07
115	LM21-03	102.00	103.00	37	0.4	0.09

	B	C	D	I	J	K
1						
2	DDH	From	To	ng/g Au	µg/g Ag	Au:Ag
3		LM21-01				
116	LM21-03	103.00	104.00	21	0.1	0.21
117	LM21-03	104.00	105.00	72	0.7	0.10
118	LM21-03	105.00	106.00	78	0.6	0.13
119	LM21-03	106.00	107.00	18	0.1	0.18
120	LM21-03	107.00	108.00	23	0.6	0.04
121	LM21-03	108.00	109.00	43	0.2	0.22
122	LM21-03	109.00	110.00	49	0.2	0.25
123	LM21-03	110.00	111.00	99	0.3	0.33
124	LM21-03	111.00	112.00	49	1.3	0.04
125	LM21-03	112.00	113.00	78	0.4	0.20
126	LM21-03	113.00	114.00	41	0.9	0.05
127	LM21-03	114.00	115.00	163	0.3	0.54
128	LM21-03	115.00	116.00	163	0.3	0.54
129	LM21-03	116.00	117.00	199	0.9	0.22
130	LM21-03	117.00	118.00	27	0.4	0.07
131	LM21-03	118.00	119.00	21	0.8	0.03
132	LM21-03	119.00	120.00	7520	1	7.52
133	LM21-03	120.00	121.00	50	0.3	0.17
134	LM21-03	121.00	122.00	25	0.6	0.04
135	LM21-03	122.00	123.00	261	1.3	0.20
136	LM21-03	123.00	124.00	30	0.8	0.04
137	LM21-03	124.00	125.00	11	0.1	0.11
138	LM21-03	125.00	126.00	212	0.9	0.24
139	LM21-03	126.00	127.00	42	0.1	0.42
140	LM21-03	127.00	128.00	10	0.1	0.10
141	LM21-03	128.00	129.00	14	0.5	0.03
142	LM21-03	129.00	130.00	91	0.6	0.15
143	LM21-03	130.00	131.00	14	0.6	0.02
144	LM21-03	131.00	132.00	53	1.2	0.04
145	LM21-03	132.00	133.00	30	0.8	0.04
146	LM21-03	133.00	134.00	16	0.3	0.05
147	LM21-03	134.00	135.00	20	0.6	0.03
148	LM21-03	135.00	136.00	32	0.7	0.05
149	LM21-03	136.00	137.00	36	0.8	0.05
150	LM21-03	137.00	138.00	91	0.5	0.18
151	LM21-03	138.00	139.00	28	0.5	0.06
152	LM21-03	139.00	140.00	32	0.7	0.05
153	LM21-03	140.00	141.00	242	0.5	0.48
154	LM21-03	141.00	142.00	48	0.5	0.10
155	LM21-03	142.00	143.00	19	0.5	0.04
156	LM21-03	143.00	144.00	36	1	0.04
157	LM21-03	144.00	145.00	16	0.7	0.02
158	LM21-03	145.00	146.00	22	0.5	0.04
159	LM21-03	146.00	147.00	51	0.3	0.17
160	LM21-03	147.00	148.00	12	0.3	0.04
161	LM21-03	148.00	149.00	2.5	0.1	0.03
162	LM21-03	149.00	150.00	2.5	0.1	0.03
163	LM21-03	150.00	151.00	11	0.3	0.04
164	LM21-03	151.00	152.00	29	0.2	0.15
165	LM21-03	152.00	153.00	22	0.1	0.22
166	LM21-03	153.00	154.00	40	0.1	0.40
167	LM21-03	154.00	155.00	30	0.1	0.30
168	LM21-03	155.00	156.00	14900	1.5	9.93
169	LM21-03	156.00	157.00	160	0.2	0.80
170	LM21-03	157.00	158.00	717	0.2	3.59
171	LM21-03	158.00	159.00	837	0.3	2.79



	B	C	D	I	J	K
1						
2	DDH	From	To	ng/g Au	µg/g Ag	Au:Ag
3		LM21-01				
172	LM21-03	159.00	160.00	6	0.1	0.06
173	LM21-03	160.00	161.00	35	0.3	0.12
174	LM21-03	161.00	162.00	20	0.4	0.05
175	LM21-03	162.00	163.00	29	0.4	0.07
176	LM21-03	163.00	164.00	94	0.8	0.12
177	LM21-03	164.00	165.00	93	0.8	0.12
178	LM21-03	165.00	166.00	131	0.9	0.15
179	LM21-03	166.00	167.00	50	0.4	0.13
180	LM21-03	167.00	168.00	83	0.4	0.21
181	LM21-03	168.00	169.00	49	0.6	0.08
182	LM21-03	169.00	170.00	69	0.7	0.10
183	LM21-03	170.00	171.00	62	0.8	0.08
184	LM21-03	171.00	172.00	224	1.7	0.13
185	LM21-03	172.00	173.00	330	3.7	0.09
186	LM21-03	173.00	174.00	41	0.7	0.06
187	LM21-03	174.00	175.00	9	0.1	0.09
188	LM21-03	175.00	176.00	27	0.3	0.09
189	LM21-03	176.00	177.00	34	0.4	0.09
190	LM21-03	177.00	178.00	2.5	0.1	0.03
191	LM21-03	178.00	179.00	2.5	0.2	0.01
192	LM21-03	179.00	180.00	2.5	0.3	0.01
193	LM21-03	180.00	181.00	133	1.1	0.12
194	LM21-03	181.00	182.00	251	0.8	0.31
195	LM21-03	182.00	183.00	73	0.6	0.12
196	LM21-03	183.00	184.00	101	1.6	0.06
197	LM21-03	184.00	185.00	423	1.4	0.30
198	LM21-03	185.00	186.00	443	3.2	0.14
199	LM21-03	186.00	187.00	12	0.8	0.02
200	LM21-03	187.00	188.00	39	1	0.04
201	LM21-03	188.00	189.00	51	1	0.05
202	LM21-03	189.00	190.00	101	1.1	0.09
203	LM21-03	190.00	191.00	13	0.4	0.03
204	LM21-03	199.00	200.00	38	0.4	0.10
205	LM21-03	211.00	212.00	809	1.4	0.58
206	LM21-03	212.00	213.00	32	0.9	0.04
207	LM21-03	213.00	214.00	65	0.5	0.13
208	LM21-03	214.00	215.00	319	0.1	3.19
209	LM21-03	215.00	216.00	124	0.8	0.16
210	LM21-03	216.00	217.00	109	1.1	0.10
211	LM21-03	217.00	218.00	744	1.3	0.57
212	LM21-03	218.00	219.00	1480	1.6	0.93
213	LM21-03	219.00	220.00	149	1.4	0.11
214	LM21-03	220.00	221.00	4580	2.4	1.91
215	LM21-03	221.00	222.00	117	1.2	0.10
216	LM21-03	222.00	223.00	25	1.1	0.02
217	LM21-03	223.00	224.00	39	1	0.04
218	LM21-03	224.00	225.00	55	0.7	0.08
219	LM21-03	225.00	226.00	113	1.7	0.07
220	LM21-03	226.00	227.00	21	0.3	0.07
221	LM21-03	227.00	228.00	90	0.8	0.11
222	LM21-03	228.00	229.00	23	0.1	0.23
223	LM21-03	229.00	230.00	19	0.3	0.06
224	LM21-03	230.00	231.00	46	0.4	0.12
225	LM21-03	231.00	232.00	12	0.1	0.12
226	LM21-03	232.00	233.00	32	0.3	0.11
227	LM21-03	233.00	234.00	924	1.6	0.58

	B	C	D	I	J	K
1						
2	<b>DDH</b>	<b>From</b>	<b>To</b>	<b>ng/g Au</b>	<b>µg/g Ag</b>	<b>Au:Ag</b>
3	<b>LM21-01</b>					
228	LM21-03	234.00	235.00	1060	1.3	0.82
229	LM21-03	235.00	236.00	189	0.8	0.24
230	LM21-03	236.00	237.00	1450	1.4	1.04
231	LM21-03	237.00	238.00	28	0.1	0.28
232	LM21-03	238.00	239.00	47	0.2	0.24
233	LM21-03	239.00	240.00	2.5	0.1	0.03
234	LM21-03	240.00	241.00	329	0.1	3.29
235	LM21-03	241.00	242.00	22	0.1	0.22
236	LM21-03	242.00	243.00	8	0.1	0.08
237	LM21-03	243.00	244.00	36	0.2	0.18
238	<b>LM21-04</b>					
239	LM21-04	30.00	31.00	30	0.3	0.10
240	LM21-04	31.00	32.00	47	0.5	0.09
241	LM21-04	32.00	33.00	97	0.9	0.11
242	LM21-04	33.00	34.00	16	0.3	0.05
243	LM21-04	34.00	35.00	19	0.1	0.19
244	LM21-04	45.00	46.00	39	0.4	0.10
245	LM21-04	58.00	59.00	26	0.8	0.03
246	LM21-04	59.00	60.00	9	0.4	0.02
247	LM21-04	60.00	61.00	5	0.3	0.02
248	LM21-04	61.00	62.00	2.5	0.2	0.01
249	LM21-04	78.00	79.00	5	0.4	0.01
250	LM21-04	79.00	80.00	6	0.2	0.03
251	LM21-04	80.00	81.00	9	0.1	0.09
252	LM21-04	81.00	82.00	132	0.1	1.32
253	LM21-04	82.00	83.00	7	0.1	0.07
254	LM21-04	83.00	84.00	72	0.2	0.36
255	LM21-04	84.00	85.00	12	0.4	0.03
256	LM21-04	85.00	86.00	50	0.4	0.13
257	LM21-04	86.00	87.00	306	1.6	0.19
258	LM21-04	87.00	88.00	46	0.5	0.09
259	LM21-04	96.00	97.00	8	0.2	0.04
260	LM21-04	97.00	98.00	2.5	0.1	0.03
261	LM21-04	98.00	99.00	14	1.3	0.01
262	LM21-04	99.00	100.00	2.5	0.2	0.01
263	LM21-04	100.00	101.00	2.5	0.3	0.01
264	LM21-04	106.00	107.00	5	0.1	0.05
265	LM21-04	107.00	108.00	7	0.1	0.07
266	LM21-04	116.00	117.00	210	0.1	2.10
267	LM21-04	130.00	131.00	23	0.2	0.12
268	LM21-04	131.00	132.00	28	0.3	0.09
269	LM21-04	132.00	133.00	11	0.3	0.04
270	LM21-04	133.00	134.00	145	0.6	0.24
271	LM21-04	134.00	135.00	12	0.2	0.06
272	LM21-04	135.00	136.00	17	0.2	0.09
273	LM21-04	136.00	137.00	37	0.2	0.19
274	LM21-04	137.00	138.00	27	0.2	0.14
275	LM21-04	138.00	139.00	14	0.3	0.05
276	LM21-04	139.00	140.00	59	1	0.06
277	LM21-04	140.00	141.00	53	17.1	0.00
278	LM21-04	141.00	142.00	113	0.3	0.38
279	LM21-04	142.00	143.00	45	0.2	0.23
280	LM21-04	143.00	144.00	20	0.4	0.05
281	LM21-04	144.00	145.00	9	0.5	0.02
282	LM21-04	145.00	146.00	13	0.6	0.02
283	LM21-04	146.00	147.00	17	0.9	0.02

	B	C	D	I	J	K
1						
2	DDH	From	To	ng/g Au	µg/g Ag	Au:Ag
3	LM21-01					
284	LM21-04	147.00	148.00	12	0.6	0.02
285	LM21-04	148.00	149.00	17	0.4	0.04
286	LM21-04	149.00	150.00	16	0.3	0.05
287	LM21-04	150.00	151.00	14	0.3	0.05
288	LM21-04	151.00	152.00	33	0.4	0.08
289	LM21-04	152.00	153.00	21	0.6	0.04
290	LM21-04	153.00	154.00	2.5	0.6	0.00
291	LM21-04	154.00	155.00	25	0.3	0.08
292	LM21-04	155.00	156.00	67	0.3	0.22
293	LM21-04	177.00	178.00	8	0.6	0.01
294	LM21-04	178.00	179.00	2.5	0.1	0.03
295	LM21-04	179.00	180.00	17	1.1	0.02
296	LM21-04	180.00	181.00	23	1	0.02
297	LM21-04	181.00	182.00	648	1.5	0.43
298	LM21-04	182.00	183.00	514	1.7	0.30
299	LM21-04	183.00	184.00	82	0.7	0.12
300	LM21-04	184.00	185.00	12	0.5	0.02
301	LM21-04	185.00	186.00	25	0.3	0.08
302	LM21-04	186.00	187.00	54	0.5	0.11
303	LM21-04	187.00	188.00	52	0.4	0.13
304	LM21-04	188.00	189.00	172	0.7	0.25
305	LM21-04	189.00	190.00	18	0.1	0.18
306	LM21-04	190.00	191.00	34	0.2	0.17
307	LM21-04	191.00	192.00	30	0.3	0.10
308	LM21-04	192.00	193.00	6	0.1	0.06
309	LM21-04	193.00	194.00	13	0.1	0.13
310	LM21-04	194.00	195.00	12	0.1	0.12
311	LM21-04	195.00	196.00	36	0.2	0.18
312	LM21-04	196.00	197.00	12	0.1	0.12
313	LM21-04	197.00	198.00	28	0.2	0.14
314	LM21-05					
315	LM21-05	18.00	19.00	11	0.2	0.06
316	LM21-05	19.00	20.00	10	1.1	0.01
317	LM21-05	20.00	21.00	16	0.2	0.08
318	LM21-05	35.00	36.00	2.5	0.1	0.03
319	LM21-05	36.00	37.00	8	1.6	0.01
320	LM21-05	37.00	38.00	5	0.3	0.02
321	LM21-05	55.00	56.00	7	0.8	0.01
322	LM21-05	56.00	57.00	6	0.7	0.01
323	LM21-05	57.00	58.00	2.5	0.9	0.00
324	LM21-05	58.00	59.00	5	0.8	0.01
325	LM21-05	59.00	60.00	5	0.7	0.01
326	LM21-05	60.00	61.00	7	0.7	0.01
327	LM21-05	61.00	62.00	9	0.5	0.02
328	LM21-05	62.00	63.00	11	0.6	0.02
329	LM21-05	63.00	64.00	9	0.7	0.01
330	LM21-05	64.00	65.00	38	0.6	0.06
331	LM21-05	65.00	66.00	22	0.6	0.04
332	LM21-05	66.00	67.00	9	0.4	0.02
333	LM21-05	67.00	68.00	6	0.4	0.02
334	LM21-05	68.00	69.00	10	0.4	0.03
335	LM21-05	69.00	70.00	6	0.3	0.02
336	LM21-05	70.00	71.00	7	0.3	0.02
337	LM21-05	71.00	72.00	11	0.3	0.04
338	LM21-05	72.00	73.00	31	0.5	0.06
339	LM21-05	73.00	74.00	5	0.4	0.01

	B	C	D	I	J	K
1						
2	DDH	From	To	ng/g Au	µg/g Ag	Au:Ag
3		LM21-01				
340	LM21-05	74.00	75.00	15	0.3	0.05
341	LM21-05	75.00	76.00	6	0.2	0.03
342	LM21-05	76.00	77.00	5	0.3	0.02
343	LM21-05	77.00	78.00	8	0.1	0.08
344	LM21-05	78.00	79.00	7	0.3	0.02
345	LM21-05	79.00	80.00	12	0.1	0.12
346	LM21-05	80.00	81.00	10	0.4	0.03
347	LM21-05	81.00	82.00	5	0.1	0.05
348	LM21-05	82.00	83.00	2.5	0.2	0.01
349	LM21-05	83.00	84.00	2.5	0.1	0.03
350	LM21-05	84.00	85.00	22	0.2	0.11
351	LM21-05	85.00	86.00	7	0.3	0.02
352	LM21-05	86.00	87.00	22	0.4	0.06
353	LM21-05	87.00	88.00	7	0.1	0.07
354	LM21-05	88.00	89.00	5	0.1	0.05
355	LM21-05	89.00	90.00	7	0.5	0.01
356	LM21-05	90.00	91.00	34	0.3	0.11
357	LM21-05	91.00	92.00	16	0.4	0.04
358	LM21-05	92.00	93.00	13	0.3	0.04
359	LM21-05	93.00	94.00	14	0.3	0.05
360	LM21-05	94.00	95.00	13	0.4	0.03
361	LM21-05	95.00	96.00	8	0.3	0.03
362	LM21-05	96.00	97.00	8	0.3	0.03
363	LM21-05	97.00	98.00	5	0.3	0.02
364	LM21-05	98.00	99.00	19	0.3	0.06
365	LM21-05	99.00	100.00	8	0.4	0.02
366	LM21-05	100.00	101.00	6	0.2	0.03
367	LM21-05	101.00	102.00	15	0.4	0.04
368	LM21-05	102.00	103.00	9	0.3	0.03
369	LM21-05	103.00	104.00	11	0.2	0.06
370	LM21-05	104.00	105.00	6	0.1	0.06
371	LM21-05	105.00	106.00	8	0.3	0.03
372	LM21-05	106.00	107.00	12	0.1	0.12
373	LM21-05	107.00	108.00	10	0.4	0.03
374	LM21-05	108.00	109.00	13	0.1	0.13
375	LM21-05	109.00	110.00	14	0.1	0.14
376	LM21-05	110.00	111.00	2.5	0.1	0.03
377	LM21-05	111.00	112.00	2.5	0.1	0.03
378	LM21-05	112.00	113.00	9	0.3	0.03
379	LM21-05	113.00	114.00	5	0.1	0.05
380	LM21-05	114.00	115.00	6	0.2	0.03
381	LM21-05	115.00	116.00	10	0.2	0.05
382	LM21-05	116.00	117.00	14	0.2	0.07
383	LM21-05	117.00	118.00	19	0.3	0.06
384	LM21-05	118.00	119.00	24	0.4	0.06
385	LM21-05	119.00	120.00	19	0.3	0.06
386	LM21-05	120.00	121.00	171	0.6	0.29
387	LM21-05	121.00	122.00	86	0.8	0.11
388	LM21-05	122.00	123.00	32	0.7	0.05
389	LM21-05	123.00	124.00	27	0.3	0.09
390	LM21-05	124.00	125.00	14	0.1	0.14
391	LM21-05	125.00	126.00	16	0.1	0.16
392	LM21-05	126.00	127.00	13	0.1	0.13
393	LM21-05	127.00	128.00	12	0.2	0.06
394	LM21-05	128.00	129.00	9	0.5	0.02
395	LM21-05	129.00	130.00	33	0.3	0.11

	B	C	D	I	J	K
1						
2	DDH	From	To	ng/g Au	µg/g Ag	Au:Ag
3		LM21-01				
396	LM21-05	130.00	131.00	12	0.5	0.02
397	LM21-05	131.00	132.00	15	0.5	0.03
398	LM21-05	132.00	133.00	11	0.4	0.03
399	LM21-05	133.00	134.00	10	0.6	0.02
400	LM21-05	134.00	135.00	5	0.3	0.02
401	LM21-05	135.00	136.00	6	0.6	0.01
402	LM21-05	136.00	137.00	2.5	0.6	0.00
403	LM21-05	137.00	138.00	2.5	0.4	0.01
404	LM21-05	138.00	139.00	2.5	0.5	0.01
405	LM21-05	139.00	140.00	2.5	0.2	0.01
406	LM21-05	140.00	141.00	8	0.1	0.08
407	LM21-05	141.00	142.00	25	0.1	0.25
408	LM21-05	142.00	143.00	43	0.1	0.43
409	LM21-05	143.00	144.00	45	0.1	0.45
410	LM21-05	144.00	145.00	94	0.1	0.94
411	LM21-05	145.00	146.00	74	0.1	0.74
412	LM21-05	146.00	147.00	24	0.3	0.08
413	LM21-05	147.00	148.00	21	0.5	0.04
414	LM21-05	148.00	149.00	33	0.5	0.07
415	LM21-05	149.00	150.00	426	0.6	0.71
416	LM21-05	150.00	151.00	43	0.4	0.11
417	LM21-05	151.00	152.00	17	0.4	0.04
418	LM21-05	152.00	153.00	8	0.3	0.03
419	LM21-05	153.00	154.00	11	0.5	0.02
420	LM21-05	154.00	155.00	15	0.3	0.05
421	LM21-05	177.09	178.09	18	0.2	0.09
422	LM21-05	178.09	178.45	108	2.2	0.05
423	LM21-05	178.45	179.45	11	0.2	0.06
424	LM21-05	213.00	214.00	11	0.3	0.04
425	LM21-05	214.00	215.00	10	0.1	0.10
426	LM21-05	215.00	216.00	25	0.5	0.05
427	LM21-05	216.00	217.00	24	0.4	0.06
428	LM21-05	217.00	218.00	24	0.3	0.08
429	LM21-05	218.00	219.00	28	0.4	0.07
430	LM21-05	219.00	220.00	8	0.3	0.03
431	LM21-05	220.00	221.00	11	0.1	0.11
432	LM21-05	221.00	222.00	64	0.1	0.64
433	LM21-05	222.00	223.00	89	0.2	0.45
434	LM21-05	223.00	224.00	21	0.7	0.03
435	LM21-05	224.00	225.00	6	0.1	0.06
436	LM21-05	225.00	226.00	15	0.2	0.08
437	LM21-05	226.00	227.00	7	0.2	0.04
438	LM21-05	227.00	228.00	7	0.1	0.07
439	LM21-05	228.00	229.00	2.5	0.2	0.01
440	LM21-05	229.00	230.00	13	0.4	0.03
441	LM21-05	230.00	231.00	2.5	0.3	0.01
442	LM21-05	231.00	232.00	17	0.7	0.02
443	LM21-05	232.00	233.00	424	5.8	0.07
444	LM21-05	233.00	234.00	1920	9.4	0.20
445	LM21-05	234.00	235.00	247	7.1	0.03
446	LM21-05	235.00	236.00	24	0.3	0.08
447	LM21-05	236.00	237.00	60	1	0.06
448	LM21-05	237.00	238.00	42	0.2	0.21
449	LM21-05	238.00	239.00	118	1.9	0.06
450	LM21-05	239.00	240.00	24	0.5	0.05
451	LM21-05	240.00	241.00	31	0.8	0.04

	B	C	D	I	J	K
1						
2	<b>DDH</b>	<b>From</b>	<b>To</b>	<b>ng/g Au</b>	<b>µg/g Ag</b>	<b>Au:Ag</b>
3	<b>LM21-01</b>					
452	LM21-05	241.00	242.00	35	0.5	0.07
453	LM21-05	242.00	243.00	107	0.4	0.27
454	<b>LM21-06</b>					
455	LM21-06	27.00	28.00	13	0.3	0.04
456	LM21-06	28.00	29.00	132	0.4	0.33
457	LM21-06	29.00	30.00	11	0.3	0.04
458	LM21-06	30.00	31.00	21	0.3	0.07
459	LM21-06	31.00	32.00	10	0.1	0.10
460	LM21-06	32.00	33.00	10	0.1	0.10
461	LM21-06	33.00	34.00	16	0.5	0.03
462	LM21-06	34.00	35.00	13	0.3	0.04
463	LM21-06	35.00	36.00	6	0.2	0.03
464	LM21-06	36.00	37.00	2.5	0.1	0.03
465	LM21-06	37.00	38.00	7	0.1	0.07
466	LM21-06	38.00	39.00	2.5	0.1	0.03
467	LM21-06	56.00	57.00	5	0.2	0.03
468	LM21-06	57.00	58.00	27	0.2	0.14
469	LM21-06	58.00	59.00	19	0.6	0.03
470	LM21-06	59.00	60.00	89	0.6	0.15
471	LM21-06	60.00	61.00	23	0.4	0.06
472	LM21-06	61.00	62.00	2.5	0.1	0.03
473	LM21-06	62.00	63.00	6	0.3	0.02
474	LM21-06	63.00	64.00	8	0.4	0.02
475	LM21-06	64.00	65.00	18	0.2	0.09
476	LM21-06	65.00	66.00	7	0.1	0.07
477	<b>LM21-07</b>					
478	LM21-07	63.00	64.00	40	0.4	0.10
479	LM21-07	64.00	65.00	16	0.5	0.03
480	LM21-07	65.00	66.00	688	0.4	1.72
481	LM21-07	66.00	67.00	12	0.3	0.04
482	LM21-07	67.00	68.00	83	0.5	0.17
483	LM21-07	68.00	69.00	157	0.4	0.39
484	LM21-07	69.00	70.00	187	0.6	0.31
485	LM21-07	70.00	71.00	314	1.2	0.26
486	LM21-07	71.00	72.00	1960	1	1.96
487	LM21-07	72.00	73.00	61	0.5	0.12
488	LM21-07	73.00	74.00	50	0.4	0.13
489	LM21-07	74.00	75.00	57	0.2	0.29
490	LM21-07	75.00	76.00	57	0.2	0.29
491	LM21-07	76.00	77.00	34	0.1	0.34
492	LM21-07	77.00	78.00	17	0.1	0.17
493	LM21-07	78.00	79.00	22	0.1	0.22
494	LM21-07	79.00	80.00	29	0.1	0.29
495	LM21-07	80.00	81.00	21	0.1	0.21
496	LM21-07	81.00	82.00	30	0.3	0.10
497	LM21-07	82.00	83.00	10	0.1	0.10
498	LM21-07	83.00	84.00	17	0.1	0.17
499	LM21-07	84.00	85.00	20	0.1	0.20
500	LM21-07	85.00	86.00	22	0.1	0.22
501	LM21-07	86.00	87.00	10	0.1	0.10
502	LM21-07	87.00	88.00	6	0.1	0.06
503	LM21-07	88.00	89.00	36	0.4	0.09
504	LM21-07	89.00	90.00	28	0.1	0.28
505	LM21-07	90.00	91.00	10	0.1	0.10
506	LM21-07	91.00	92.00	7	0.1	0.07
507	LM21-07	92.00	93.00	16	0.3	0.05

	B	C	D	I	J	K
1						
2	<b>DDH</b>	<b>From</b>	<b>To</b>	<b>ng/g Au</b>	<b>µg/g Ag</b>	<b>Au:Ag</b>
3	<b>LM21-01</b>					
508	LM21-07	93.00	94.00	22	0.8	0.03
509	LM21-07	94.00	95.00	47	0.4	0.12
510	LM21-07	95.00	96.00	22	0.3	0.07
511	LM21-07	96.00	97.00	11	0.1	0.11
512	LM21-07	97.00	98.00	10	0.1	0.10
513	<b>LM21-08</b>					
514	LM21-08	45.00	46.00	10	0.1	0.10
515	LM21-08	46.00	47.00	13	0.2	0.07
516	LM21-08	47.00	48.00	12	0.3	0.04
517	LM21-08	48.00	49.00	15	0.4	0.04
518	LM21-08	49.00	50.00	100	0.4	0.25
519	LM21-08	50.00	51.00	11	0.2	0.06
520	LM21-08	51.00	52.00	122	0.5	0.24
521	LM21-08	52.00	53.00	18	0.3	0.06
522	LM21-08	53.00	54.00	13	0.3	0.04
523	LM21-08	54.00	55.00	136	0.5	0.27
524	LM21-08	55.00	56.00	47	0.4	0.12
525	LM21-08	56.00	57.00	13	0.1	0.13
526	LM21-08	57.00	58.00	37	0.2	0.19
527	LM21-08	58.00	59.00	97	0.2	0.49
528	LM21-08	59.00	60.00	17	0.1	0.17
529	LM21-08	60.00	61.00	33	0.3	0.11
530	LM21-08	61.00	62.00	12	0.1	0.12
531	LM21-08	62.00	63.00	14	0.1	0.14
532	LM21-08	63.00	64.00	15	0.3	0.05
533	LM21-08	64.00	65.00	7	0.1	0.07
534	LM21-08	65.00	66.00	6	0.2	0.03
535	LM21-08	66.00	67.00	5	0.1	0.05
536	LM21-08	67.00	68.00	11	0.5	0.02
537	LM21-08	68.00	69.00	6	0.1	0.06
538	LM21-08	69.00	70.00	6	0.1	0.06
539	LM21-08	70.00	71.00	9	0.1	0.09
540	LM21-08	71.00	72.00	10	0.3	0.03
541	LM21-08	72.00	73.00	7	0.1	0.07
542	LM21-08	73.00	74.00	9	0.1	0.09
543	LM21-08	74.00	75.00	32	0.3	0.11
544	LM21-08	75.00	76.00	12	0.3	0.04
545	LM21-08	76.00	77.00	12	0.3	0.04
546	LM21-08	77.00	78.00	8	0.3	0.03
547	LM21-08	78.00	79.00	6	0.2	0.03
548	LM21-08	79.00	80.00	2.5	0.1	0.03
549	LM21-08	80.00	81.00	5	0.1	0.05
550	LM21-08	81.00	82.00	6	0.1	0.06
551	LM21-08	82.00	83.00	26	0.1	0.26
552	LM21-08	83.00	84.00	23	0.3	0.08
553	LM21-08	84.00	85.00	6	0.3	0.02
554	LM21-08	85.00	86.00	6	0.2	0.03
555	LM21-08	86.00	87.00	28	0.5	0.06
556	LM21-08	87.00	88.00	21	0.3	0.07
557	LM21-08	88.00	89.00	6	0.1	0.06
558	LM21-08	89.00	90.00	11	0.3	0.04
559	LM21-08	90.00	91.00	8	0.1	0.08
560	LM21-08	91.00	92.00	5	0.3	0.02
561	LM21-08	92.00	93.00	6	0.6	0.01
562	LM21-08	93.00	94.00	21	0.6	0.04
563	LM21-08	94.00	95.00	64	0.5	0.13

	B	C	D	I	J	K
1						
2	DDH	From	To	ng/g Au	µg/g Ag	Au:Ag
3		LM21-01				
564	LM21-08	95.00	96.00	34	0.1	0.34
565	LM21-08	96.00	97.00	2.5	0.1	0.03
566	LM21-08	97.00	98.00	30	0.3	0.10
567	LM21-08	98.00	99.00	30	0.3	0.10
568	LM21-08	99.00	100.00	12	0.3	0.04
569	LM21-08	100.00	101.00	8	0.3	0.03
570	LM21-08	101.00	102.00	7	0.3	0.02
571	LM21-08	102.00	103.00	6	0.4	0.02
572	LM21-08	103.00	104.00	7	0.3	0.02
573	LM21-08	104.00	105.00	11	0.4	0.03
574	LM21-08	105.00	106.00	10	0.4	0.03
575	LM21-08	106.00	107.00	6	0.2	0.03
576	LM21-08	107.00	108.00	163	0.8	0.20
577	LM21-08	108.00	109.00	7	0.3	0.02
578	LM21-08	109.00	110.00	6	0.1	0.06
579	LM21-08	110.00	111.00	7	0.2	0.04
580	LM21-08	111.00	112.00	9	0.2	0.05
581	LM21-08	112.00	113.00	7	0.1	0.07
582	LM21-08	113.00	114.00	12	0.2	0.06
583	LM21-08	114.00	115.00	9	0.2	0.05
584	LM21-08	115.00	116.00	10	0.3	0.03
585	LM21-08	116.00	117.00	15	0.4	0.04
586	LM21-08	117.00	118.00	14	0.4	0.04
587	LM21-08	118.00	119.00	14	0.4	0.04
588	LM21-08	119.00	120.00	38	0.6	0.06
589	LM21-08	120.00	121.00	26	0.4	0.07
590	LM21-08	121.00	122.00	195	0.7	0.28
591	LM21-08	122.00	123.00	16	0.5	0.03
592	LM21-08	123.00	124.00	27	0.5	0.05
593	LM21-08	124.00	125.00	48	0.8	0.06
594	LM21-08	125.00	126.00	144	2.2	0.07
595	LM21-08	126.00	127.00	12	0.5	0.02
596	LM21-08	127.00	128.00	340	0.6	0.57
597	LM21-08	128.00	129.00	6	0.5	0.01
598	LM21-08	129.00	130.00	9	0.5	0.02
599	LM21-08	130.00	131.00	2060	0.7	2.94
600	LM21-08	131.00	132.00	25	0.6	0.04
601	LM21-08	132.00	133.00	31	0.5	0.06
602	LM21-08	140.00	141.00	28	0.1	0.28
603	LM21-08	141.00	142.00	19	0.1	0.19
604	LM21-08	142.00	143.00	23	0.1	0.23
605	LM21-08	143.00	144.00	14	0.3	0.05
606	LM21-08	144.00	145.00	23	0.2	0.12
607	LM21-08	145.00	146.00	14	0.1	0.14
608	LM21-08	146.00	147.00	14	0.2	0.07
609	LM21-08	147.00	148.00	28	0.2	0.14
610	LM21-08	148.00	149.00	28	0.1	0.28
611	LM21-08	149.00	150.00	18	0.2	0.09
612	LM21-08	150.00	151.00	18	0.2	0.09
613	LM21-08	151.00	152.00	13	0.4	0.03
614	LM21-08	152.00	153.00	11	0.3	0.04
615	LM21-08	153.00	154.00	12	0.3	0.04
616	LM21-08	154.00	155.00	33	0.5	0.07
617	LM21-08	155.00	156.00	34	0.4	0.09
618	LM21-08	156.00	157.00	21	0.1	0.21
619	LM21-08	157.00	158.00	15	0.2	0.08



	B	C	D	I	J	K
1						
2	DDH	From	To	ng/g Au	µg/g Ag	Au:Ag
3		LM21-01				
620	LM21-08	158.00	159.00	2.5	0.3	0.01
621	LM21-08	159.00	160.00	5	0.8	0.01
622	LM21-08	160.00	161.00	5	0.5	0.01
623	LM21-08	161.00	162.00	10	0.7	0.01
624	LM21-08	162.00	163.00	8	0.4	0.02
625	LM21-08	163.00	164.00	14	0.5	0.03
626	LM21-08	164.00	165.00	5	0.5	0.01
627	LM21-08	165.00	166.00	10	0.5	0.02
628	LM21-08	166.00	167.00	24	0.3	0.08
629	LM21-08	167.00	168.00	18	0.2	0.09
630	LM21-08	168.00	169.00	19	0.4	0.05
631	LM21-08	169.00	170.00	21	0.5	0.04
632	LM21-08	170.00	171.00	19	0.4	0.05
633	LM21-08	171.00	172.00	11	0.1	0.11
634	LM21-08	172.00	173.00	10	0.1	0.10
635	LM21-08	173.00	174.00	19	0.3	0.06
636	LM21-08	174.00	175.00	35	0.4	0.09
637	LM21-08	175.00	176.00	24	0.4	0.06
638	LM21-08	176.00	177.00	31	0.4	0.08
639	LM21-08	177.00	178.00	41	0.5	0.08
640	LM21-08	178.00	179.00	26	0.3	0.09
641	LM21-08	179.00	180.00	209	0.8	0.26
642	LM21-08	180.00	181.00	42	0.5	0.08
643	LM21-08	181.00	182.00	43	0.5	0.09
644	LM21-08	197.00	198.00	54	0.4	0.14
645	LM21-08	198.00	199.00	10	0.3	0.03
646	LM21-08	199.00	200.00	15	0.2	0.08
647	LM21-08	200.00	201.00	9	0.1	0.09
648	LM21-08	201.00	202.00	28	0.1	0.28
649	LM21-08	225.00	226.00	58	0.3	0.19
650	LM21-08	226.00	227.00	67	0.2	0.34
651	LM21-08	227.00	228.00	32	0.1	0.32
652	LM21-08	228.00	229.00	7	0.1	0.07
653	LM21-08	229.00	230.00	12	0.1	0.12
654	LM21-08	230.00	231.00	7	0.1	0.07
655	LM21-08	231.00	232.00	19	0.1	0.19
656	LM21-08	232.00	233.00	14	0.2	0.07
657	LM21-08	233.00	234.00	5	0.1	0.05
658	LM21-08	234.00	235.00	5	0.1	0.05
659	LM21-08	235.00	236.00	2.5	0.2	0.01
660	LM21-08	236.00	237.00	10	0.1	0.10
661	LM21-08	237.00	238.00	8	0.1	0.08
662	LM21-08	238.00	239.00	7	0.2	0.04
663	LM21-08	239.00	240.00	7	0.2	0.04
664	LM21-08	240.00	241.00	44	0.6	0.07
665	LM21-08	241.00	242.00	11	0.1	0.11
666	LM21-08	242.00	243.00	8	0.1	0.08
667	LM21-08	243.00	244.00	10	0.1	0.10
668	LM21-08	244.00	245.00	21	0.4	0.05
669	LM21-08	245.00	246.00	12	0.5	0.02
670	LM21-08	246.00	247.00	36	0.6	0.06
671	LM21-08	247.00	248.00	32	0.4	0.08
672	LM21-08	248.00	249.00	41	0.9	0.05
673	LM21-08	249.00	250.00	45	1	0.05
674	LM21-08	250.00	251.00	114	0.3	0.38
675	LM21-08	251.00	252.00	11	0.3	0.04

	B	C	D	I	J	K
1						
2	DDH	From	To	ng/g Au	µg/g Ag	Au:Ag
3		LM21-01				
676	LM21-08	252.00	253.00	48	0.5	0.10
677	LM21-08	253.00	254.00	6010	1.1	5.46
678	LM21-08	254.00	255.00	105	0.6	0.18
679	LM21-08	255.00	256.00	434	0.7	0.62
680	LM21-08	256.00	257.00	46	0.6	0.08
681	LM21-08	257.00	258.00	8	0.1	0.08
682	LM21-08	258.00	259.00	10	0.1	0.10
683	LM21-08	259.00	260.00	5	0.1	0.05
684	LM21-08	260.00	261.00	12	0.1	0.12
685	LM21-08	261.00	262.00	7	0.1	0.07
686	LM21-08	262.00	263.00	9	0.1	0.09
687	LM21-08	263.00	264.00	9	0.1	0.09
688	LM21-08	264.00	265.00	19	0.6	0.03
689	LM21-08	265.00	266.00	22	0.7	0.03
690	LM21-08	266.00	267.00	6	0.1	0.06
691	LM21-08	267.00	268.00	5	0.1	0.05
692	LM21-08	268.00	269.00	198	0.4	0.50
693	LM21-08	294.75	295.75	101	4.4	0.02
694	LM21-08	295.75	296.75	26	1.3	0.02
695	LM21-08	296.75	297.75	101	3.5	0.03
696	LM21-08	305.00	306.00	131	0.3	0.44
697	LM21-08	306.00	307.00	53	0.6	0.09
698	LM21-08	307.00	308.00	42	0.9	0.05
699	LM21-08	308.00	309.00	65	0.9	0.07
700	LM21-08	309.00	310.00	238	0.9	0.26
701	LM21-08	310.00	311.00	8	0.1	0.08
702	LM21-08	311.00	312.00	217	1.5	0.14
703	LM21-08	312.00	313.00	76	1.5	0.05
704	LM21-08	313.00	314.00	160	0.8	0.20
705	LM21-08	314.00	315.00	32	0.8	0.04
706	LM21-08	315.00	316.00	47	0.7	0.07
707	LM21-08	332.00	333.00	17	1.2	0.01
708	LM21-08	333.00	334.00	11	0.9	0.01
709	LM21-08	334.00	335.00	24	0.5	0.05
710	LM21-08	335.00	336.00	65	1	0.07
711	LM21-08	336.00	337.00	489	0.6	0.82
712	LM21-08	337.00	338.00	314	0.5	0.63
713	LM21-08	338.00	339.00	2440	1.6	1.53
714	LM21-08	339.00	340.00	6030	1.5	4.02
715	LM21-08	340.00	341.00	1440	2.1	0.69
716	LM21-08	341.00	342.00	74	0.9	0.08
717	LM21-08	342.00	343.00	433	2.9	0.15
718	LM21-08	343.00	344.00	361	1.9	0.19
719	LM21-08	344.00	345.00	130	2.4	0.05
720	LM21-08	345.00	346.00	3300	0.8	4.13
721	LM21-08	346.00	347.00	205	1.2	0.17
722	LM21-08	347.00	348.00	71	1	0.07
723	LM21-08	348.00	349.00	184	1.5	0.12
724	LM21-08	349.00	350.00	109	1	0.11
725	LM21-08	350.00	351.00	35	0.5	0.07
726	LM21-08	360.00	361.00	9	0.1	0.09
727	LM21-08	361.00	362.00	87	1.1	0.08
728	LM21-08	362.00	363.00	818	8.5	0.10
729	LM21-08	363.00	364.00	66	0.6	0.11
730	LM21-08	364.00	365.00	81	0.7	0.12
731	LM21-08	365.00	366.00	333	1.2	0.28

	B	C	D	I	J	K
1						
2	<b>DDH</b>	<b>From</b>	<b>To</b>	<b>ng/g Au</b>	<b>µg/g Ag</b>	<b>Au:Ag</b>
3	<b>LM21-01</b>					
732	LM21-08	366.00	367.00	154	0.8	0.19
733	LM21-08	367.00	368.00	798	0.5	1.60
734	LM21-08	368.00	369.00	602	0.6	1.00
735	LM21-08	369.00	370.00	13	0.6	0.02
736	LM21-08	370.00	371.00	30	0.1	0.30
737	LM21-08	371.00	372.00	31	0.7	0.04
738	LM21-08	372.00	373.00	19	0.1	0.19
739	LM21-08	373.00	374.00	7	0.1	0.07
740	LM21-08	374.00	375.00	8	0.1	0.08
741	LM21-08	375.00	376.00	12	0.4	0.03
742	LM21-08	376.00	377.00	126	0.4	0.32
743	LM21-08	377.00	378.00	15	0.4	0.04
744	LM21-08	378.00	379.00	12	0.2	0.06
745	LM21-08	379.00	380.00	20	1.6	0.01
746	LM21-08	380.00	381.00	49	0.3	0.16
747	LM21-08	381.00	382.00	30	0.5	0.06
748	LM21-08	382.00	383.00	11	0.2	0.06
749	LM21-08	383.00	384.00	10	0.1	0.10
750	LM21-08	384.00	385.00	2.5	0.1	0.03
751	LM21-08	385.00	386.00	2.5	0.1	0.03
752	LM21-08	386.00	387.00	12	0.1	0.12
753	LM21-08	387.00	388.00	8	0.1	0.08
754	LM21-08	388.00	389.00	20	0.2	0.10
755	LM21-08	389.00	390.00	17	0.2	0.09
756	LM21-08	391.50	392.00	14	0.2	0.07
757	<b>LM21-09</b>					
758	LM21-09	16.00	17.00	32	0.4	0.08
759	LM21-09	17.00	18.00	154	0.4	0.39
760	LM21-09	18.00	19.00	22	0.4	0.06
761	LM21-09	19.00	20.00	17	0.4	0.04
762	LM21-09	20.00	21.00	14	0.5	0.03
763	LM21-09	21.00	22.00	40	1	0.04
764	LM21-09	22.00	23.00	12	0.4	0.03
765	LM21-09	23.00	24.00	15	0.5	0.03
766	LM21-09	24.00	25.00	14	0.5	0.03
767	LM21-09	25.00	26.00	26	0.3	0.09
768	LM21-09	26.00	27.00	10	0.3	0.03
769	LM21-09	27.00	28.00	74	0.5	0.15
770	LM21-09	28.00	29.00	19	0.3	0.06
771	LM21-09	29.00	30.00	20	0.4	0.05
772	LM21-09	30.00	31.00	27	2.2	0.01
773	LM21-09	31.00	32.00	33	0.7	0.05
774	LM21-09	32.00	33.00	34	0.8	0.04
775	LM21-09	33.00	34.00	72	0.4	0.18
776	LM21-09	34.00	35.00	42	0.6	0.07
777	LM21-09	35.00	36.00	49	0.7	0.07
778	LM21-09	36.00	37.00	22	0.4	0.06
779	LM21-09	37.00	38.00	15	0.4	0.04
780	LM21-09	38.00	39.00	18	0.4	0.05
781	LM21-09	39.00	40.00	11	2.1	0.01
782	LM21-09	40.00	41.00	10	0.4	0.03
783	LM21-09	41.00	42.00	16	1.3	0.01
784	LM21-09	42.00	43.00	16	1.7	0.01
785	LM21-09	43.00	44.00	14	0.9	0.02
786	LM21-09	44.00	45.00	21	0.8	0.03
787	LM21-09	45.00	46.00	34	0.4	0.09

	B	C	D	I	J	K
1						
2	DDH	From	To	ng/g Au	µg/g Ag	Au:Ag
3		LM21-01				
788	LM21-09	60.00	61.00	156	0.9	0.17
789	LM21-09	61.00	62.00	49	0.4	0.12
790	LM21-09	62.00	63.00	10	0.2	0.05
791	LM21-09	63.00	64.00	9	0.6	0.02
792	LM21-09	64.00	65.00	21	0.5	0.04
793	LM21-09	65.00	66.00	34	0.5	0.07
794	LM21-09	66.00	67.00	25	0.4	0.06
795	LM21-09	67.00	68.00	14	0.6	0.02
796	LM21-09	68.00	69.00	9	0.3	0.03
797	LM21-09	69.00	70.00	16	0.2	0.08
798	LM21-09	83.00	84.00	15	0.1	0.15
799	LM21-09	84.00	85.00	29	0.1	0.29
800	LM21-09	85.00	86.00	31	0.1	0.31
801	LM21-09	86.00	87.00	18	0.1	0.18
802	LM21-09	87.00	88.00	11	0.1	0.11
803	LM21-09	88.00	89.00	30	0.1	0.30
804	LM21-09	89.00	90.00	17	0.1	0.17
805	LM21-09	90.00	91.00	26	0.2	0.13
806	LM21-09	91.00	92.00	19	0.1	0.19
807	LM21-09	92.00	93.00	32	0.2	0.16
808	LM21-09	93.00	94.00	71	0.3	0.24
809	LM21-09	94.00	95.00	78	0.7	0.11
810	LM21-09	95.00	96.00	14	0.5	0.03
811	LM21-09	96.00	97.00	21	1.6	0.01
812	LM21-09	97.00	98.00	62	1	0.06
813	LM21-09	98.00	99.00	33	0.4	0.08
814	LM21-09	99.00	100.00	63	0.4	0.16
815	LM21-09	100.00	101.00	17	0.3	0.06
816	LM21-09	101.00	102.00	10	0.3	0.03
817	LM21-09	102.00	103.00	15	0.4	0.04
818	LM21-09	103.00	104.00	40	1	0.04
819	LM21-09	104.00	105.00	158	1.2	0.13
820	LM21-09	105.00	106.00	25	0.5	0.05
821	LM21-09	106.00	107.00	21	0.2	0.11
822	LM21-09	107.00	108.00	12	0.5	0.02
823	LM21-09	108.00	109.00	54	1	0.05
824	LM21-09	109.00	110.00	352	3.1	0.11
825	LM21-09	110.00	111.00	39	0.4	0.10
826	LM21-09	111.00	112.00	13	0.3	0.04
827	LM21-09	112.00	113.00	26	0.3	0.09
828	LM21-09	113.00	114.00	7	0.2	0.04
829	LM21-09	114.00	115.00	17	0.3	0.06
830	LM21-09	115.00	116.00	18	0.2	0.09
831	LM21-09	116.00	117.00	34	0.2	0.17
832	LM21-09	117.00	118.00	28	0.3	0.09
833	LM21-09	118.00	119.00	32	0.2	0.16
834	LM21-09	183.50	184.50	22	0.1	0.22
835	LM21-09	195.25	196.25	9	0.1	0.09
836	LM21-09	256.00	257.00	33	0.3	0.11
837	LM21-09	257.00	258.00	15	0.1	0.15
838	LM21-09	258.00	259.00	24	0.1	0.24
839	LM21-09	259.00	260.00	15	0.2	0.08
840	LM21-09	260.00	261.00	8	0.3	0.03
841	LM21-09	261.00	262.00	7	0.3	0.02
842	LM21-09	262.00	263.00	15	0.3	0.05
843	LM21-09	263.00	264.00	22	0.3	0.07

	B	C	D	I	J	K
1						
2	DDH	From	To	ng/g Au	µg/g Ag	Au:Ag
3		LM21-01				
844	LM21-09	264.00	265.00	17	0.1	0.17
845	LM21-09	265.00	266.00	3040	0.4	7.60
846	LM21-09	266.00	267.00	113	0.3	0.38
847	LM21-09	267.00	268.00	15	0.3	0.05
848	LM21-09	268.00	269.00	16	0.2	0.08
849	LM21-09	269.00	270.00	37	0.4	0.09
850	LM21-09	270.00	271.00	197	0.3	0.66
851	LM21-09	271.00	272.00	14	0.1	0.14
852	LM21-09	272.00	273.00	6	0.1	0.06
853	LM21-09	273.00	274.00	17	0.1	0.17
854	LM21-09	274.00	275.00	14	0.1	0.14
855	LM21-09	275.00	276.00	12	0.1	0.12
856	LM21-09	276.00	277.00	40	0.5	0.08
857	LM21-09	277.00	278.00	43	0.5	0.09
858	LM21-09	278.00	279.00	51	0.6	0.09
859	LM21-09	279.00	280.00	12	0.6	0.02
860	LM21-09	280.00	281.00	35	1	0.04
861	LM21-09	281.00	282.00	10	0.4	0.03
862	LM21-09	282.00	283.00	20	0.5	0.04
863	LM21-09	283.00	284.00	28	0.8	0.04
864	LM21-09	284.00	285.00	21	0.7	0.03
865	LM21-09	285.00	286.00	296	1.5	0.20
866	LM21-09	286.00	287.00	113	0.8	0.14
867	LM21-09	287.00	288.00	360	0.7	0.51
868	LM21-09	288.00	289.00	30	0.6	0.05
869	LM21-09	289.00	290.00	36	0.6	0.06
870	LM21-09	308.00	309.00	29	0.1	0.29
871	LM21-09	309.00	310.00	12	0.8	0.02
872	LM21-09	310.00	311.00	7	0.5	0.01
873	LM21-09	311.00	312.00	2.5	0.1	0.03
874	LM21-09	312.00	313.00	49	0.4	0.12
875	LM21-09	313.00	314.00	18	0.6	0.03
876	LM21-09	314.00	315.00	22	0.9	0.02
877	LM21-09	315.00	316.00	52	0.7	0.07
878	LM21-09	316.00	317.00	55	0.1	0.55
879	LM21-09	317.00	318.00	2.5	0.1	0.03
880	LM21-09	318.00	319.00	2.5	0.1	0.03
881	LM21-09	319.00	320.00	19	0.4	0.05
882	LM21-09	320.00	321.00	2.5	0.1	0.03
883	LM21-09	321.00	322.00	2.5	0.1	0.03
884	LM21-09	336.00	337.00	10	0.4	0.03
885	LM21-09	337.00	338.00	46	0.8	0.06
886	LM21-09	338.00	339.00	18	0.8	0.02
887	LM21-09	339.00	340.00	92	9.8	0.01
888	LM21-09	340.00	341.00	43	0.3	0.14
889	LM21-09	341.00	342.00	254	1.7	0.15
890	LM21-09	354.00	355.00	23	0.3	0.08
891	LM21-09	355.00	356.00	21	0.3	0.07
892	LM21-09	356.00	357.00	20	1	0.02
893	LM21-09	357.00	358.00	12	0.9	0.01
894	LM21-09	358.00	359.00	14	0.3	0.05
895	LM21-09	359.00	360.00	32	1.7	0.02
896	LM21-09	360.00	361.00	2.5	0.1	0.03
897	LM21-09	361.00	362.00	3230	1.4	2.31
898	LM21-09	362.00	363.00	19	0.1	0.19
899	LM21-09	363.00	364.00	28	0.6	0.05

	B	C	D	I	J	K
1						
2	<b>DDH</b>	<b>From</b>	<b>To</b>	<b>ng/g Au</b>	<b>µg/g Ag</b>	<b>Au:Ag</b>
3	<b>LM21-01</b>					
900	LM21-09	364.00	365.00	6	0.5	0.01
901	LM21-09	365.00	366.00	71	0.5	0.14
902	LM21-09	366.00	367.00	5450	1.8	3.03
903	LM21-09	367.00	368.00	27	0.3	0.09
904	LM21-09	368.00	369.00	11	8	0.00
905	LM21-09	375.00	376.00	19	0.1	0.19
906	LM21-09	376.00	377.00	9	0.1	0.09
907	LM21-09	377.00	378.00	12	1	0.01
908	LM21-09	378.00	379.00	44	0.7	0.06
909	LM21-09	379.00	380.00	8	0.4	0.02
910	LM21-09	380.00	381.00	403	1.1	0.37
911	LM21-09	381.00	382.00	93	2.3	0.04
912	LM21-09	382.00	383.00	7150	3.8	1.88
913	LM21-09	383.00	384.00	23	0.7	0.03
914	LM21-09	384.00	385.00	88	0.3	0.29
915	LM21-09	385.00	386.00	2270	0.7	3.24
916	LM21-09	386.00	387.00	3050	1	3.05
917	LM21-09	387.00	388.00	198	0.1	1.98
918	LM21-09	388.00	389.00	1170	0.7	1.67
919	LM21-09	389.00	390.00	72	0.1	0.72
920	LM21-09	390.00	391.00	8	0.1	0.08
921	LM21-09	391.00	392.00	68	0.2	0.34
922	LM21-09	392.00	393.00	22	0.1	0.22
923	LM21-09	393.00	394.00	175	0.1	1.75
924	LM21-09	394.00	395.00	49	0.4	0.12
925	<b>LM21-10</b>					
926	LM21-10	10.00	11.00	23	0.4	0.06
927	LM21-10	11.00	12.00	23	0.6	0.04
928	LM21-10	12.00	13.00	16	0.5	0.03
929	LM21-10	13.00	14.00	18	0.4	0.05
930	LM21-10	14.00	15.00	22	0.5	0.04
931	LM21-10	15.00	16.00	343	0.7	0.49
932	LM21-10	16.00	17.00	60	0.5	0.12
933	LM21-10	17.00	18.00	171	0.6	0.29
934	LM21-10	18.00	19.00	10	0.3	0.03
935	LM21-10	19.00	20.00	17	0.3	0.06
936	LM21-10	20.00	21.00	10	0.3	0.03
937	LM21-10	21.00	22.00	124	0.7	0.18
938	LM21-10	22.00	23.00	26	0.3	0.09
939	LM21-10	23.00	24.00	9	0.2	0.05
940	LM21-10	24.00	25.00	5	0.1	0.05
941	LM21-10	25.00	26.00	6	0.2	0.03
942	LM21-10	26.00	27.00	2.5	0.1	0.03
943	LM21-10	27.00	28.00	8	0.2	0.04
944	LM21-10	28.00	29.00	17	0.3	0.06
945	LM21-10	29.00	30.00	12	0.3	0.04
946	LM21-10	30.00	31.00	101	0.3	0.34
947	LM21-10	31.00	32.00	126	0.3	0.42
948	LM21-10	32.00	33.00	40	0.1	0.40
949	LM21-10	33.00	34.00	39	0.1	0.39
950	LM21-10	34.00	35.00	56	0.7	0.08
951	LM21-10	39.00	40.00	12	0.3	0.04
952	LM21-10	40.00	41.00	2.5	0.1	0.03
953	LM21-10	41.00	42.00	44	2.7	0.02
954	LM21-10	42.00	43.00	2.5	0.1	0.03
955	LM21-10	43.00	44.00	8	0.4	0.02

	B	C	D	I	J	K
1						
2	DDH	From	To	ng/g Au	µg/g Ag	Au:Ag
3		LM21-01				
956	LM21-10	44.00	45.00	86	1.1	0.08
957	LM21-10	45.00	46.00	22	0.4	0.06
958	LM21-10	46.00	47.00	28	0.3	0.09
959	LM21-10	47.00	48.00	34	0.3	0.11
960	LM21-10	48.00	49.00	95	0.3	0.32
961	LM21-10	49.00	50.00	730	0.3	2.43
962	LM21-10	50.00	51.00	19	0.1	0.19
963	LM21-10	51.00	52.00	8	0.1	0.08
964	LM21-10	52.00	53.00	2.5	0.1	0.03
965	LM21-10	53.00	54.00	12	0.2	0.06
966	LM21-10	54.00	55.00	41	0.5	0.08
967	LM21-10	55.00	56.00	35	0.3	0.12
968	LM21-10	56.00	57.00	28	0.2	0.14
969	LM21-10	87.75	88.25	24	0.8	0.03
970	LM21-10	117.00	118.00	2.5	0.1	0.03
971	LM21-10	118.00	119.00	2.5	0.2	0.01
972	LM21-10	119.00	120.00	18	0.3	0.06
973	LM21-10	120.00	121.00	19	0.3	0.06
974	LM21-10	121.00	122.00	10	0.1	0.10
975	LM21-10	122.00	123.00	13	0.1	0.13
976	LM21-10	141.00	142.00	13	0.1	0.13
977	LM21-10	142.00	143.00	6	0.4	0.02
978	LM21-10	158.50	159.50	17	0.6	0.03
979	LM21-10	159.50	160.50	16	0.4	0.04
980	LM21-10	186.00	187.00	40	0.3	0.13
981	LM21-10	187.00	188.00	51	0.5	0.10
982	LM21-10	188.00	189.00	27	0.2	0.14
983	LM21-10	189.00	190.00	10	0.1	0.10
984	LM21-10	190.00	191.00	11	0.1	0.11
985	LM21-10	191.00	192.00	7	0.1	0.07
986	LM21-10	192.00	193.00	20	0.4	0.05
987	LM21-10	193.00	194.00	14	0.4	0.04
988	LM21-10	194.00	195.00	11	0.4	0.03
989	LM21-10	195.00	196.00	676	0.4	1.69
990	LM21-10	196.00	197.00	68	0.1	0.68
991	LM21-10	226.00	227.00	33	0.9	0.04
992	LM21-10	227.00	228.00	58	1.4	0.04
993	LM21-10	228.00	229.00	320	1.5	0.21
994	LM21-10	229.00	230.00	39	0.4	0.10
995	LM21-10	230.00	231.00	7	0.1	0.07
996	LM21-10	231.00	232.00	2.5	0.1	0.03
997	LM21-10	232.00	233.00	2.5	0.1	0.03
998	LM21-10	233.00	234.00	398	0.2	1.99
999	LM21-10	234.00	235.00	154	1.6	0.10
1000	LM21-10	235.00	236.00	39	0.3	0.13
1001	LM21-10	236.00	237.00	2.5	0.1	0.03
1002	LM21-10	237.00	238.00	2.5	0.3	0.01
1003	LM21-10	238.00	239.00	2.5	0.2	0.01
1004	LM21-10	239.00	240.00	14	1.4	0.01
1005	LM21-10	240.00	241.00	6	0.4	0.02
1006	LM21-10	241.00	242.00	7	0.3	0.02
1007	LM21-10	242.00	243.00	29	0.4	0.07
1008	LM21-10	243.00	244.00	13	0.4	0.03
1009	LM21-10	244.00	245.00	8	0.2	0.04
1010	LM21-10	245.00	246.00	13	0.4	0.03
1011	LM21-10	246.00	247.00	18	0.3	0.06

	B	C	D	I	J	K
1						
2	DDH	From	To	ng/g Au	µg/g Ag	Au:Ag
3	LM21-01					
1012	LM21-10	247.00	248.00	13	0.1	0.13
1013	LM21-10	248.00	249.00	16	1.3	0.01
1014	LM21-10	249.00	250.00	133	0.9	0.15
1015	LM21-10	250.00	251.00	66	0.3	0.22
1016	LM21-10	251.00	252.00	28	0.5	0.06
1017	LM21-10	252.00	253.00	118	1.3	0.09
1018	LM21-10	253.00	254.00	7	0.4	0.02
1019	LM21-10	254.00	255.00	76	0.5	0.15
1020	LM21-10	255.00	256.00	23	0.6	0.04
1021	LM21-10	256.00	257.00	48	0.5	0.10
1022	LM21-10	257.00	258.00	36	0.8	0.05
1023	LM21-10	258.00	259.00	8	0.3	0.03
1024	LM21-10	259.00	260.00	198	0.3	0.66
1025	LM21-10	260.00	261.00	17	0.1	0.17
1026	LM21-10	261.00	262.00	22	0.3	0.07
1027	LM21-10	262.00	263.00	14	0.3	0.05
1028	LM21-10	263.00	264.00	32	0.5	0.06
1029	LM21-10	264.00	265.00	22	0.4	0.06
1030	LM21-10	265.00	266.00	73	0.6	0.12
1031	LM21-10	266.00	267.00	38	0.3	0.13
1032	LM21-10	267.00	268.00	20	0.2	0.10
1033	LM21-10	268.00	269.00	263	1	0.26
1034	LM21-10	269.00	270.00	55	1	0.06
1035	LM21-10	270.00	271.00	686	3.1	0.22
1036	LM21-10	271.00	272.00	631	4.5	0.14
1037	LM21-10	272.00	273.00	291	0.5	0.58
1038	LM21-10	279.00	280.00	24	0.1	0.24
1039	LM21-10	280.00	281.00	513	0.4	1.28
1040	LM21-10	281.00	282.00	762	0.9	0.85
1041	LM21-10	282.00	283.00	482	0.7	0.69
1042	LM21-10	283.00	284.00	1540	1.7	0.91
1043	LM21-10	284.00	285.00	1380	2.8	0.49
1044	LM21-10	285.00	286.00	3420	5	0.68
1045	LM21-10	286.00	287.00	1450	1.5	0.97
1046	LM21-10	287.00	288.00	6	0.1	0.06
1047	LM21-10	288.00	289.00	38	0.1	0.38
1048	LM21-10	289.00	290.00	31	0.1	0.31
1049	LM21-10	290.00	291.00	18	0.1	0.18
1050	LM21-10	291.00	292.00	8	0.1	0.08
1051	LM21-10	292.00	293.00	15	0.2	0.08
1052	LM21-11					
1053	LM21-11	1.00	2.00	43	0.4	0.11
1054	LM21-11	8.00	9.00	12	0.1	0.12
1055	LM21-11	9.00	10.00	464	0.8	0.58
1056	LM21-11	10.00	11.00	56	0.1	0.56
1057	LM21-11	11.00	12.00	7	0.1	0.07
1058	LM21-11	12.00	13.00	7	0.1	0.07
1059	LM21-11	13.00	14.00	530	0.9	0.59
1060	LM21-11	14.00	15.00	9	0.1	0.09
1061	LM21-11	15.00	16.00	62	0.4	0.16
1062	LM21-11	16.00	17.00	117	0.4	0.29
1063	LM21-11	17.00	18.00	148	0.5	0.30
1064	LM21-11	18.00	19.00	10	0.1	0.10
1065	LM21-11	19.00	20.00	94	0.3	0.31
1066	LM21-11	20.00	21.00	19	0.4	0.05
1067	LM21-11	21.00	22.00	22	0.8	0.03



	B	C	D	I	J	K
1						
2	DDH	From	To	ng/g Au	µg/g Ag	Au:Ag
3		LM21-01				
1068	LM21-11	22.00	23.00	17	0.3	0.06
1069	LM21-11	23.00	24.00	28	0.3	0.09
1070	LM21-11	24.00	25.00	27	0.3	0.09
1071	LM21-11	25.00	26.00	20	0.3	0.07
1072	LM21-11	26.00	27.00	67	1.1	0.06
1073	LM21-11	27.00	28.00	11	0.5	0.02
1074	LM21-11	28.00	29.00	29	0.6	0.05
1075	LM21-11	53.00	54.00	15	0.4	0.04
1076	LM21-11	54.00	55.00	37	0.4	0.09
1077	LM21-11	55.00	56.00	14	0.2	0.07
1078	LM21-11	56.00	57.00	9	0.5	0.02
1079	LM21-11	57.00	58.00	20	0.4	0.05
1080	LM21-11	58.00	59.00	150	0.6	0.25
1081	LM21-11	59.00	60.00	54	0.4	0.14
1082	LM21-11	60.00	61.00	50	0.7	0.07
1083	LM21-11	61.00	62.00	7	0.1	0.07
1084	LM21-11	62.00	63.00	6	0.3	0.02
1085	LM21-11	63.00	64.00	23	0.9	0.03
1086	LM21-11	64.00	65.00	107	0.9	0.12
1087	LM21-11	65.00	66.00	12	0.5	0.02
1088	LM21-11	66.00	67.00	13	0.2	0.07
1089	LM21-11	67.00	68.00	6	0.2	0.03
1090	LM21-11	68.00	69.00	18	0.3	0.06
1091	LM21-11	69.00	70.00	15	0.4	0.04
1092	LM21-11	70.00	71.00	133	0.5	0.27
1093	LM21-11	71.00	72.00	46	0.4	0.12
1094	LM21-11	72.00	73.00	88	0.6	0.15
1095	LM21-11	73.00	74.00	320	1.3	0.25
1096	LM21-11	74.00	75.00	422	1.3	0.32
1097	LM21-11	75.00	76.00	10	0.6	0.02
1098	LM21-11	76.00	77.00	33	1.5	0.02
1099	LM21-11	77.00	78.00	22	0.4	0.06
1100	LM21-11	78.00	79.00	344	3.9	0.09
1101	LM21-11	79.00	80.00	111	0.9	0.12
1102	LM21-11	80.00	81.00	18	0.5	0.04
1103	LM21-11	81.00	82.00	15	0.5	0.03
1104	LM21-11	82.00	83.00	32	0.9	0.04
1105	LM21-11	83.00	84.00	310	0.7	0.44
1106	LM21-11	84.00	85.00	55	0.7	0.08
1107	LM21-11	93.00	94.00	14	0.4	0.04
1108	LM21-11	94.00	95.00	56	2.4	0.02
1109	LM21-11	95.00	96.00	34	1.4	0.02
1110	LM21-11	96.00	97.00	24	1	0.02
1111	LM21-11	97.00	98.00	56	0.6	0.09
1112	LM21-11	98.00	99.00	18	0.6	0.03
1113	LM21-11	99.00	100.00	59	0.4	0.15
1114	LM21-11	100.00	101.00	68	0.6	0.11
1115	LM21-11	101.00	102.00	65	0.5	0.13
1116	LM21-11	102.00	103.00	44	0.8	0.06
1117	LM21-11	103.00	104.00	7	0.1	0.07
1118	LM21-11	104.00	105.00	16	0.1	0.16
1119	LM21-11	105.00	106.00	112	0.5	0.22
1120	LM21-11	106.00	107.00	644	0.1	6.44
1121	LM21-11	107.00	108.00	9	0.1	0.09
1122	LM21-11	108.00	109.00	122	0.6	0.20
1123	LM21-11	109.00	110.00	56	1.8	0.03

	B	C	D	I	J	K
1						
2	DDH	From	To	ng/g Au	µg/g Ag	Au:Ag
3	LM21-01					
1124	LM21-11	110.00	111.00	209	0.4	0.52
1125	LM21-11	111.00	112.00	55	0.3	0.18
1126	LM21-11	112.00	113.00	42	0.3	0.14
1127	LM21-11	113.00	114.00	33	0.6	0.06
1128	LM21-11	114.00	115.00	1000	2	0.50
1129	LM21-11	115.00	116.00	63	0.8	0.08
1130	LM21-11	116.00	117.00	152	1.8	0.08
1131	LM21-11	117.00	118.00	570	1.4	0.41
1132	LM21-11	118.00	119.00	1000	0.8	1.25
1133	LM21-11	119.00	120.00	2.5	0.1	0.03
1134	LM21-11	120.00	121.00	9	0.1	0.09
1135	LM21-11	121.00	122.00	62	0.1	0.62
1136	LM21-11	122.00	123.00	36	0.1	0.36
1137	LM21-15					
1138	LM21-15	55.00	56.00	22	0.3	0.07
1139	LM21-15	56.00	57.00	2750	1.9	1.45
1140	LM21-15	57.00	58.00	12	0.1	0.12
1141	LM21-15	58.00	59.00	58	1	0.06
1142	LM21-15	59.00	60.00	61	0.8	0.08
1143	LM21-15	60.00	61.00	23	0.3	0.08
1144	LM21-15	61.00	62.00	14	0.3	0.05
1145	LM21-15	62.00	63.00	2.5	0.6	0.00
1146	LM21-15	63.00	64.00	26	0.8	0.03
1147	LM21-15	64.00	65.00	20	0.8	0.03
1148	LM21-15	65.00	66.00	33	0.9	0.04
1149	LM21-15	66.00	67.00	1160	0.5	2.32
1150	LM21-15	67.00	68.00	40	0.5	0.08
1151	LM21-15	68.00	69.00	880	0.4	2.20
1152	LM21-15	69.00	70.00	199	1.5	0.13
1153	LM21-15	70.00	71.00	8	0.1	0.08
1154	LM21-15	71.00	72.00	117	1.1	0.11
1155	LM21-15	72.00	73.00	7	0.3	0.02
1156	LM21-15	79.00	80.00	13	0.7	0.02
1157	LM21-15	80.00	81.00	15	0.4	0.04
1158	LM21-15	81.00	82.00	63	0.8	0.08
1159	LM21-15	82.00	82.50	10	0.8	0.01
1160	LM21-15	82.50	83.00	276	13.8	0.02
1161	LM21-15	83.00	83.50	186	2.5	0.07
1162	LM21-15	83.50	84.00	25	0.9	0.03
1163	LM21-15	84.00	85.00	147	1.7	0.09
1164	LM21-15	85.00	86.00	130	0.4	0.33
1165	LM21-15	86.00	87.00	743	0.1	7.43
1166	LM21-15	87.00	88.00	37	0.3	0.12
1167	LM21-15	88.00	89.00	27	1.3	0.02
1168	LM21-15	89.00	90.00	119	1.9	0.06
1169	LM21-15	90.00	91.00	234	0.9	0.26
1170	LM21-15	91.00	92.00	85	0.7	0.12
1171	LM21-15	92.00	93.00	89	0.7	0.13
1172	LM21-15	93.00	94.00	69	0.6	0.12
1173	LM21-15	94.00	95.00	2960	6.5	0.46
1174	LM21-15	95.00	96.00	1930	3.2	0.60
1175	LM21-15	96.00	97.00	3780	14.5	0.26
1176	LM21-15	97.00	98.00	5390	7	0.77
1177	LM21-15	98.00	99.00	12200	20.7	0.59
1178	LM21-15	99.00	100.00	8670	3.1	2.80
1179	LM21-15	100.00	101.00	28	0.2	0.14

	B	C	D	I	J	K
1						
2	<b>DDH</b>	<b>From</b>	<b>To</b>	<b>ng/g Au</b>	<b>µg/g Ag</b>	<b>Au:Ag</b>
3		<b>LM21-01</b>				
1180	LM21-15	101.00	102.00	35	0.1	0.35
1181		<b>LM21-16</b>				
1182	LM21-16	14.00	15.00	5	0.1	0.05
1183	LM21-16	15.00	16.00	45	1.4	0.03
1184	LM21-16	16.00	17.00	20	1.1	0.02
1185	LM21-16	17.00	18.00	21	0.5	0.04
1186	LM21-16	18.00	19.00	15	0.4	0.04
1187	LM21-16	19.00	20.00	56	6	0.01
1188	LM21-16	20.00	21.00	2.5	0.5	0.01
1189	LM21-16	21.00	22.00	13	1.2	0.01
1190	LM21-16	40.00	41.00	14	0.4	0.04
1191	LM21-16	41.00	42.00	7	0.2	0.04
1192	LM21-16	42.00	43.00	53	0.3	0.18
1193	LM21-16	43.00	44.00	74	0.7	0.11
1194	LM21-16	44.00	45.00	178	0.4	0.45
1195	LM21-16	45.00	46.00	38	0.3	0.13
1196	LM21-16	46.00	47.00	2.5	0.1	0.03
1197	LM21-16	47.00	48.00	13	0.1	0.13
1198	LM21-16	48.00	49.00	2.5	0.1	0.03
1199	LM21-16	49.00	50.00	17	0.7	0.02
1200	LM21-16	50.00	51.00	5	0.1	0.05
1201	LM21-16	51.00	52.00	7	0.3	0.02
1202	LM21-16	52.00	53.00	5	0.2	0.03
1203	LM21-16	53.00	54.00	8	0.2	0.04
1204	LM21-16	54.00	55.00	22	0.3	0.07
1205	LM21-16	55.00	56.00	14	0.7	0.02
1206	LM21-16	56.00	57.00	13	0.7	0.02
1207	LM21-16	57.00	58.00	13	0.6	0.02
1208	LM21-16	58.00	59.00	5	0.3	0.02
1209	LM21-16	118.00	119.00	33	0.1	0.33
1210	LM21-16	119.00	120.00	24	1.1	0.02
1211	LM21-16	120.00	121.00	102	3.1	0.03
1212	LM21-16	121.00	122.00	24	0.9	0.03
1213	LM21-16	122.00	123.00	21	0.5	0.04
1214	LM21-16	123.00	124.00	31	0.9	0.03
1215	LM21-16	124.00	125.00	14	0.5	0.03
1216	LM21-16	125.00	126.00	27	0.3	0.09
1217	LM21-16	126.00	127.00	19	0.1	0.19
1218	LM21-16	127.00	128.00	30	0.9	0.03
1219	LM21-16	128.00	129.00	22	0.6	0.04
1220	LM21-16	129.00	130.00	13	1	0.01
1221	LM21-16	130.00	131.00	31	0.8	0.04
1222	LM21-16	131.00	132.00	15	1	0.02
1223	LM21-16	132.00	133.00	7	0.2	0.04
1224	LM21-16	133.00	134.00	71	0.3	0.24
1225	LM21-16	134.00	135.00	8	0.2	0.04
1226	LM21-16	135.00	136.00	6	0.5	0.01
1227	LM21-16	136.00	137.00	11	0.7	0.02
1228	LM21-16	137.00	138.00	1080	1.4	0.77
1229	LM21-16	138.00	139.00	282	7.6	0.04
1230	LM21-16	139.00	140.00	194	0.7	0.28
1231	LM21-16	140.00	141.00	48	0.5	0.10
1232	LM21-16	141.00	142.00	3480	5.1	0.68
1233	LM21-16	142.00	143.00	1750	4.7	0.37
1234	LM21-16	143.00	144.00	1360	2.8	0.49
1235	LM21-16	144.00	145.00	986	1.2	0.82

	B	C	D	I	J	K
1						
2	DDH	From	To	ng/g Au	µg/g Ag	Au:Ag
3		LM21-01				
1236		LM21-17				
1237	LM21-17	44.00	45.00	13	0.3	0.04
1238	LM21-17	45.00	46.00	6	0.2	0.03
1239	LM21-17	46.00	47.00	56	1.3	0.04
1240	LM21-17	47.00	48.00	15	0.8	0.02
1241	LM21-17	57.00	58.00	14	0.5	0.03
1242	LM21-17	71.00	72.00	20	0.5	0.04
1243	LM21-17	72.00	73.00	145	0.5	0.29
1244	LM21-17	73.00	74.00	49	0.4	0.12
1245	LM21-17	74.00	75.00	107	0.3	0.36
1246	LM21-17	75.00	76.00	370	0.3	1.23
1247	LM21-17	76.00	77.00	2.5	0.3	0.01
1248	LM21-17	88.00	89.00	31	0.6	0.05
1249	LM21-17	89.00	90.00	24	0.8	0.03
1250	LM21-17	90.00	91.00	14	0.3	0.05
1251	LM21-17	91.00	92.00	33	0.1	0.33
1252	LM21-17	92.00	93.00	17	0.1	0.17
1253	LM21-17	93.00	94.00	33	0.4	0.08
1254	LM21-17	94.00	95.00	24	0.5	0.05
1255	LM21-17	95.00	96.00	78	1.3	0.06
1256	LM21-17	144.00	145.00	40	0.1	0.40
1257	LM21-17	145.00	146.00	125	0.9	0.14
1258	LM21-17	146.00	147.00	34	1	0.03
1259	LM21-17	147.00	148.00	19	0.8	0.02
1260	LM21-17	148.00	149.00	29	1.2	0.02
1261	LM21-17	149.00	150.00	59	1.3	0.05
1262	LM21-17	150.00	151.00	11	0.5	0.02
1263	LM21-17	151.00	152.00	2.5	0.1	0.03
1264	LM21-17	152.00	153.00	2.5	0.1	0.03
1265	LM21-17	153.00	154.00	120	3.6	0.03
1266	LM21-17	154.00	155.00	174	2.7	0.06
1267	LM21-17	155.00	156.00	11	1.4	0.01
1268	LM21-17	156.00	157.00	527	2.3	0.23
1269	LM21-17	157.00	158.00	75	1.7	0.04
1270	LM21-17	158.00	159.00	18	1.1	0.02
1271	LM21-17	159.00	160.00	14	0.6	0.02
1272	LM21-17	160.00	161.00	392	1	0.39
1273	LM21-17	161.00	162.00	9	0.5	0.02
1274	LM21-17	162.00	163.00	55	0.2	0.28
1275	LM21-17	163.00	164.00	128	0.9	0.14
1276	LM21-17	164.00	165.00	328	0.6	0.55
1277	LM21-17	165.00	166.00	37	0.2	0.19
1278	LM21-17	166.00	167.00	12	0.2	0.06
1279	LM21-17	167.00	168.00	9	0.2	0.05
1280	LM21-17	168.00	169.00	16	0.1	0.16
1281	LM21-17	169.00	170.00	14	0.2	0.07
1282	LM21-17	170.00	171.00	13	0.1	0.13
1283	LM21-17	171.00	172.00	39	0.1	0.39
1284	LM21-17	172.00	173.00	19	0.1	0.19
1285	LM21-17	173.00	174.00	33	0.1	0.33
1286	LM21-17	174.00	175.00	44	1.3	0.03
1287	LM21-17	175.00	176.00	260	1.1	0.24
1288	LM21-17	176.00	177.00	172	0.4	0.43
1289	LM21-17	177.00	178.00	18	0.1	0.18
1290	LM21-17	178.00	179.00	111	0.7	0.16
1291	LM21-17	179.00	180.00	53	0.5	0.11

	B	C	D	I	J	K
1						
2	DDH	From	To	ng/g Au	µg/g Ag	Au:Ag
3		LM21-01				
1292	LM21-17	180.00	181.00	629	0.9	0.70
1293	LM21-17	181.00	182.00	32	0.3	0.11
1294	LM21-17	182.00	183.00	28	0.1	0.28
1295	LM21-17	183.00	184.00	53	0.7	0.08
1296		LM21-18				
1297	LM21-18	9.00	10.00	10	0.1	0.10
1298	LM21-18	62.00	63.00	25	0.4	0.06
1299	LM21-18	63.00	64.00	50	0.2	0.25
1300	LM21-18	64.00	65.00	14	0.2	0.07
1301	LM21-18	65.00	66.00	8	0.3	0.03
1302	LM21-18	66.00	67.00	18	0.2	0.09
1303	LM21-18	67.00	68.00	18	0.4	0.05
1304	LM21-18	83.00	84.00	8	0.1	0.08
1305	LM21-18	84.00	85.00	22	0.4	0.06
1306	LM21-18	85.00	86.00	11	0.3	0.04
1307	LM21-18	86.00	87.00	15	0.4	0.04
1308	LM21-18	87.00	88.00	15	0.3	0.05
1309	LM21-18	88.00	89.00	18	0.7	0.03
1310	LM21-18	89.00	90.00	7	0.3	0.02
1311	LM21-18	90.00	91.00	7	0.3	0.02
1312	LM21-18	91.00	92.00	9	0.2	0.05
1313	LM21-18	92.00	93.00	9	0.3	0.03
1314	LM21-18	93.00	94.00	9	0.3	0.03
1315	LM21-18	94.00	95.00	14	0.1	0.14
1316	LM21-18	95.00	96.00	17	0.2	0.09
1317	LM21-18	96.00	97.00	2.5	0.1	0.03
1318	LM21-18	97.00	98.00	16	0.1	0.16
1319	LM21-18	98.00	99.00	14	0.1	0.14
1320	LM21-18	99.00	100.00	9	0.1	0.09
1321	LM21-18	100.00	101.00	8	0.1	0.08
1322	LM21-18	101.00	102.00	8	0.1	0.08
1323	LM21-18	102.00	103.00	8	0.1	0.08
1324	LM21-18	103.00	104.00	10	0.3	0.03
1325	LM21-18	104.00	105.00	14	0.5	0.03
1326	LM21-18	105.00	106.00	18	0.5	0.04
1327	LM21-18	106.00	107.00	16	0.3	0.05
1328	LM21-18	107.00	108.00	14	0.4	0.04
1329	LM21-18	108.00	109.00	171	0.5	0.34
1330	LM21-18	109.00	110.00	226	1.5	0.15
1331	LM21-18	110.00	111.00	13	0.3	0.04
1332	LM21-18	111.00	112.00	10	0.5	0.02
1333	LM21-18	112.00	113.00	11	0.3	0.04
1334	LM21-18	113.00	114.00	17	0.5	0.03
1335	LM21-18	114.00	115.00	24	0.4	0.06
1336	LM21-18	115.00	116.00	12	0.3	0.04
1337	LM21-18	116.00	117.00	17	0.3	0.06
1338	LM21-18	117.00	118.00	10	0.3	0.03
1339	LM21-18	118.00	119.00	20	0.5	0.04
1340	LM21-18	119.00	120.00	28	0.7	0.04
1341	LM21-18	120.00	121.00	9	0.2	0.05
1342	LM21-18	121.00	122.00	8	0.3	0.03
1343	LM21-18	122.00	123.00	70	0.4	0.18
1344	LM21-18	123.00	124.00	16	0.3	0.05
1345	LM21-18	124.00	125.00	9	0.3	0.03
1346	LM21-18	125.00	126.00	23	0.4	0.06
1347	LM21-18	126.00	127.00	17	0.3	0.06

	B	C	D	I	J	K
1						
2	DDH	From	To	ng/g Au	µg/g Ag	Au:Ag
3		LM21-01				
1348	LM21-18	127.00	128.00	15	0.3	0.05
1349	LM21-18	128.00	129.00	27	0.3	0.09
1350	LM21-18	129.00	130.00	8	0.3	0.03
1351	LM21-18	130.00	131.00	10	0.3	0.03
1352	LM21-18	131.00	132.00	12	0.2	0.06
1353	LM21-18	132.00	133.00	6	0.2	0.03
1354	LM21-18	133.00	134.00	6	0.3	0.02
1355	LM21-18	134.00	135.00	2.5	0.3	0.01
1356	LM21-18	135.00	136.00	5	0.2	0.03
1357	LM21-18	136.00	137.00	12	0.3	0.04
1358	LM21-18	137.00	138.00	39	0.3	0.13
1359	LM21-18	138.00	139.00	826	1.3	0.64
1360	LM21-18	139.00	140.00	288	1.3	0.22
1361	LM21-18	140.00	141.00	60	1.6	0.04
1362	LM21-18	141.00	142.00	15	0.6	0.03
1363	LM21-18	142.00	143.00	13	0.4	0.03
1364	LM21-18	143.00	144.00	10	0.4	0.03
1365	LM21-18	144.00	145.00	21	0.3	0.07
1366	LM21-18	145.00	146.00	34	0.6	0.06
1367	LM21-18	146.00	147.00	10	0.3	0.03
1368	LM21-18	147.00	148.00	6	0.1	0.06
1369	LM21-18	148.00	149.00	12	0.1	0.12
1370	LM21-18	158.00	159.00	18	0.3	0.06
1371	LM21-18	159.00	160.00	20	0.1	0.20
1372	LM21-18	160.00	161.00	18	0.1	0.18
1373	LM21-18	161.00	162.00	9	0.1	0.09
1374	LM21-18	162.00	163.00	5	0.1	0.05
1375	LM21-18	163.00	164.00	13	0.1	0.13
1376	LM21-18	164.00	165.00	24	0.1	0.24
1377	LM21-18	165.00	166.00	2.5	0.1	0.03
1378	LM21-18	166.00	167.00	16	0.2	0.08
1379	LM21-18	167.00	168.00	2.5	0.1	0.03
1380	LM21-18	168.00	169.00	13	0.1	0.13
1381	LM21-18	169.00	170.00	29	0.2	0.15
1382	LM21-18	170.00	171.00	19	0.1	0.19
1383	LM21-18	171.00	172.00	21	0.3	0.07
1384	LM21-18	172.00	173.00	20	0.1	0.20
1385	LM21-18	185.00	186.00	40	0.6	0.07
1386	LM21-18	186.00	187.00	20	0.3	0.07
1387	LM21-18	187.00	188.00	55	0.3	0.18
1388	LM21-18	188.00	189.00	6	0.3	0.02
1389	LM21-18	189.00	190.00	9	0.3	0.03
1390	LM21-18	250.00	251.00	11	0.5	0.02
1391	LM21-18	251.00	252.00	2.5	0.4	0.01
1392	LM21-18	252.00	253.00	6	0.5	0.01
1393	LM21-18	253.00	254.00	24	0.5	0.05
1394	LM21-18	254.00	255.00	28	0.4	0.07
1395	LM21-18	255.00	256.00	24	0.3	0.08
1396	LM21-18	256.00	257.00	13	0.3	0.04
1397	LM21-18	257.00	258.00	6	0.3	0.02
1398	LM21-18	258.00	259.00	9	0.1	0.09
1399	LM21-18	259.00	260.00	26	0.4	0.07
1400	LM21-18	292.00	293.00	31	0.7	0.04
1401	LM21-18	293.00	294.00	34	0.7	0.05
1402	LM21-18	294.00	295.00	31	0.3	0.10
1403	LM21-18	295.00	296.00	30	0.3	0.10

	B	C	D	I	J	K
1						
2	DDH	From	To	ng/g Au	µg/g Ag	Au:Ag
3	LM21-01					
1404	LM21-18	296.00	297.00	32	0.5	0.06
1405	LM21-18	300.00	301.00	15	0.2	0.08
1406	LM21-18	301.00	302.00	8	0.1	0.08
1407	LM21-18	328.00	329.00	7	0.1	0.07
1408	LM21-18	329.00	330.00	15	0.3	0.05
1409	LM21-18	330.00	331.00	376	2.9	0.13
1410	LM21-18	331.00	332.00	62	1	0.06
1411	LM21-18	332.00	333.00	2.5	0.1	0.03
1412	LM21-18	333.00	334.00	61	0.1	0.61
1413	LM21-18	334.00	335.00	114	0.1	1.14
1414	LM21-18	335.00	336.00	124	0.1	1.24
1415	LM21-18	336.00	337.00	146	0.2	0.73
1416	LM21-18	337.00	338.00	53	0.1	0.53
1417	LM21-18	338.00	339.00	19	0.4	0.05
1418	LM21-18	339.00	340.00	2.5	0.1	0.03
1419	LM21-18	381.00	382.00	41	1.8	0.02
1420	LM21-18	382.00	383.00	732	0.7	1.05
1421	LM21-18	383.00	384.00	31	0.9	0.03
1422	LM21-18	384.00	385.00	47	0.3	0.16
1423	LM21-18	385.00	386.00	97	2.7	0.04
1424	LM21-18	386.00	387.00	1050	1.6	0.66
1425	LM21-18	387.00	388.00	40	1.1	0.04
1426	LM21-18	388.00	389.00	67	1.1	0.06
1427	LM21-18	389.00	390.00	209	1.1	0.19
1428	LM21-18	390.00	391.00	34	0.4	0.09
1429	LM21-18	391.00	392.00	2.5	0.1	0.03
1430	LM21-18	392.00	393.00	13	0.4	0.03
1431	LM21-18	400.00	401.00	2.5	0.1	0.03
1432	LM21-18	401.00	402.00	152	0.9	0.17
1433	LM21-18	402.00	403.00	203	1.2	0.17
1434	LM21-18	403.00	404.00	1160	1.3	0.89
1435	LM21-18	404.00	405.00	90	0.6	0.15
1436	LM21-18	405.00	406.00	144	0.7	0.21
1437	LM21-18	406.00	407.00	74	1.1	0.07
1438	LM21-18	407.00	408.00	261	0.5	0.52
1439	LM21-18	408.00	409.00	1770	1.8	0.98
1440	LM21-18	409.00	410.00	2190	31.8	0.07
1441	LM21-18	410.00	411.00	93	0.4	0.23
1442	LM21-18	411.00	412.00	25	0.1	0.25
1443	LM21-18	412.00	413.00	6	0.1	0.06
1444	LM21-18	413.00	414.00	385	1.3	0.30
1445	LM21-18	414.00	415.00	4900	2.3	2.13
1446	LM21-18	415.00	416.00	9	0.1	0.09
1447	LM21-18	416.00	417.00	92	0.1	0.92
1448	LM21-18	417.00	418.00	102	0.6	0.17
1449	LM21-18	418.00	419.00	391	1	0.39
1450	LM21-18	419.00	420.00	102	0.8	0.13
1451	LM21-19					
1452	LM21-19	3	3.7	21	0.4	0.05
1453	LM21-19	3.7	4.2	1520	0.6	2.53
1454	LM21-19	4.2	5	28	0.2	0.14
1455	LM21-19	13.23	14	8	0.3	0.03
1456	LM21-19	19.75	20.75	2.5	0.1	0.03
1457	LM21-19	20.75	21.8	5	0.1	0.05
1458	LM21-19	31.15	32.5	10	0.7	0.01
1459	LM21-19	32.5	33	14100	2.4	5.88

	B	C	D	I	J	K
1						
2	<b>DDH</b>	<b>From</b>	<b>To</b>	<b>ng/g Au</b>	<b>µg/g Ag</b>	<b>Au:Ag</b>
3	<b>LM21-01</b>					
1460	LM21-19	33	33.56	8	0.3	0.03
1461	LM21-19	33.56	34.26	13	0.6	0.02
1462	LM21-19	36.35	37.1	254	0.9	0.28
1463	LM21-19	40.38	41	2.5	0.1	0.03
1464	LM21-19	41	41.56	82	0.9	0.09
1465	LM21-19	57.8	58.4	28	0.6	0.05
1466	LM21-19	58.4	59.5	351	0.3	1.17
1467	LM21-19	59.5	60.5	316	1	0.32
1468	LM21-19	60.5	61.5	83	1.8	0.05
1469	LM21-19	61.5	62.5	118	4	0.03
1470	LM21-19	62.5	63.5	11	1.1	0.01
1471	LM21-19	63.5	64.5	2.5	0.3	0.01
1472	LM21-19	64.5	65.5	2.5	0.4	0.01
1473	LM21-19	65.5	66.5	2.5	0.3	0.01
1474	LM21-19	66.5	67.5	2.5	0.4	0.01
1475	LM21-19	67.5	68.5	9	0.6	0.02
1476	LM21-19	68.5	69.5	64	2.9	0.02
1477	LM21-19	69.5	70.5	25	0.6	0.04
1478	LM21-19	70.5	71.5	325	1.9	0.17
1479	LM21-19	71.5	72.5	741	2.3	0.32
1480	LM21-19	72.5	73.5	13800	17.7	0.78
1481	LM21-19	73.5	74.5	3820	10.3	0.37
1482	LM21-19	74.5	75.5	1790	5.5	0.33
1483	LM21-19	75.5	76.5	692	3.4	0.20
1484	LM21-19	76.5	77.5	1010	6.1	0.17
1485	LM21-19	77.5	78.5	1380	7.7	0.18
1486	LM21-19	78.5	79.5	351	2.2	0.16
1487	LM21-19	79.5	80.5	10	0.2	0.05
1488	LM21-19	80.5	81.5	81	1.1	0.07
1489	LM21-19	81.5	82.5	10	0.5	0.02
1490	LM21-19	82.5	83.5	23	0.3	0.08
1491	<b>LM21-20</b>					
1492	LM21-20	4.35	5.35	38	0.1	0.38
1493	LM21-20	5.35	6.5	555	0.1	5.55
1494	LM21-20	6.5	7.3	2.5	0.1	0.03
1495	LM21-20	7.3	8.3	148	0.1	1.48
1496	LM21-20	8.3	9.3	6	0.2	0.03
1497	LM21-20	9.3	10.3	2.5	0.1	0.03
1498	LM21-20	10.3	11.3	323	0.4	0.81
1499	LM21-20	11.3	12.3	12	0.1	0.12
1500	LM21-20	12.3	13.3	74	1	0.07
1501	LM21-20	13.3	14.3	14	0.7	0.02
1502	LM21-20	14.3	15.3	19	1.1	0.02
1503	LM21-20	15.3	16.3	160	4.8	0.03
1504	LM21-20	16.3	17.3	171	19.1	0.01
1505	LM21-20	17.3	18.3	30	12.5	0.00
1506	LM21-20	18.3	19.3	17	4	0.00
1507	LM21-20	19.3	20.3	16	0.8	0.02
1508	LM21-20	20.3	21.3	22	1.6	0.01
1509	LM21-20	21.3	22.3	17	1	0.02
1510	LM21-20	22.3	23.3	18	1	0.02
1511	LM21-20	23.3	24.3	6	0.5	0.01
1512	LM21-20	24.3	25.3	5	0.4	0.01
1513	LM21-20	25.3	26.3	10	2.2	0.00
1514	LM21-20	26.3	27.3	16	1.2	0.01
1515	LM21-20	27.3	28.3	42	4.7	0.01



	B	C	D	I	J	K
1						
2	DDH	From	To	ng/g Au	µg/g Ag	Au:Ag
3	LM21-01					
1516	LM21-20	28.3	29.3	42	4.6	0.01
1517	LM21-20	29.3	30.1	888	5.7	0.16
1518	LM21-20	30.1	31.1	813	0.8	1.02
1519	LM21-20	31.1	31.7	3250	1.7	1.91
1520	LM21-20	31.7	32.7	17200	15.9	1.08
1521	LM21-20	32.7	33.7	1060	7.6	0.14
1522	LM21-20	33.7	34.7	100	0.9	0.11
1523	LM21-20	34.7	35.7	3210	4.4	0.73
1524	LM21-20	35.7	36.7	7460	22.1	0.34
1525	LM21-20	36.7	37.7	3580	3.4	1.05
1526	LM21-20	37.7	38.5	252	3	0.08
1527	LM21-20	49	50	2.5	0.1	0.03
1528	LM21-20	50	51	18	0.1	0.18
1529	LM21-20	51	52	5	0.3	0.02
1530	LM21-20	52	53	4730	1.4	3.38
1531	LM21-20	53	54	38	0.3	0.13
1532	LM21-20	62	63	642	0.8	0.80
1533	LM21-20	63	64	113	0.3	0.38
1534	LM21-20	64	65	42	0.3	0.14
1535	LM21-20	65	66	41	0.5	0.08
1536	LM21-21					
1537	LM21-21	2.6	3.8	16	1.3	0.01
1538	LM21-21	14	15	5	0.2	0.03
1539	LM21-21	15	16	56	1.9	0.03
1540	LM21-21	16	17	37	1.2	0.03
1541	LM21-21	17	18	47	1.2	0.04
1542	LM21-21	18	19	26	0.8	0.03
1543	LM21-21	19	20	26	0.9	0.03
1544	LM21-21	23.1	24	43	1.7	0.03
1545	LM21-21	24	25	11	1.4	0.01
1546	LM21-21	25	26	2.5	0.6	0.00
1547	LM21-21	26	27	62	1.4	0.04
1548	LM21-21	27	28	24	2.3	0.01
1549	LM21-21	28	29	20	1.7	0.01
1550	LM21-21	29	30	65	2.9	0.02
1551	LM21-21	30	31	62	2	0.03
1552	LM21-21	31	32	13	0.2	0.07
1553	LM21-21	32	33	13	0.3	0.04
1554	LM21-21	33	34	37	0.7	0.05
1555	LM21-21	34	35	9	0.3	0.03
1556	LM21-21	35	36	2.5	0.4	0.01
1557	LM21-21	36	37	18	0.1	0.18
1558	LM21-21	37	38	8	0.1	0.08
1559	LM21-21	38	39	22	0.5	0.04
1560	LM21-21	42	43	176	1.1	0.16
1561	LM21-21	43	44	5010	2.3	2.18
1562	LM21-21	44	45	55	0.4	0.14
1563	LM21-21	45	46	2.5	0.8	0.00
1564	LM21-21	46	47	2.5	0.2	0.01
1565	LM21-21	51	52	26	0.1	0.26
1566	LM21-21	52	53	47	0.1	0.47
1567	LM21-21	53	54	11	0.1	0.11
1568	LM21-21	54	55	8	0.1	0.08
1569	LM21-21	55	56	14	0.1	0.14
1570	LM21-21	56	57	7	0.1	0.07
1571	LM21-21	70.8	71.8	2.5	0.1	0.03

	B	C	D	I	J	K
1						
2	DDH	From	To	ng/g Au	µg/g Ag	Au:Ag
3	LM21-01					
1572	LM21-21	83	84	2.5	0.1	0.03
1573	LM21-21	84	85	9	0.1	0.09
1574	LM21-21	85	86	6	0.1	0.06
1575	LM21-21	86	87	7	0.1	0.07
1576	LM21-21	87	88	14	0.1	0.14
1577	LM21-22					
1578	LM21-22	24	25	12	0.4	0.03
1579	LM21-22	25	26	9	0.2	0.05
1580	LM21-22	26	27	82	1.4	0.06
1581	LM21-22	27	28	1560	1.3	1.20
1582	LM21-22	28	29	167	0.1	1.67
1583	LM21-22	29	30	146	0.3	0.49
1584	LM21-22	30	31	651	1.2	0.54
1585	LM21-22	31	32	2030	1.5	1.35
1586	LM21-22	32	33	176	0.3	0.59
1587	LM21-22	33	34	158	1.4	0.11
1588	LM21-22	34	35	326	0.9	0.36
1589	LM21-22	35	36	20	0.3	0.07
1590	LM21-22	36	37	6	0.2	0.03
1591	LM21-22	37	38	54	1	0.05
1592	LM21-22	38	39	587	4.5	0.13
1593	LM21-22	47	47.5	160	6.1	0.03
1594	LM21-22	47.5	48	97	11.3	0.01
1595	LM21-22	48	49	112	9.7	0.01
1596	LM21-22	49	50	22	3.9	0.01
1597	LM21-22	50	51	75	4.1	0.02
1598	LM21-22	51	52	129	8.1	0.02
1599	LM21-22	52	53	47	7	0.01
1600	LM21-22	53	54	155	25.5	0.01
1601	LM21-22	71	72	212	1	0.21
1602	LM21-22	72	73	44	0.4	0.11
1603	LM21-22	73	74	65	2.8	0.02
1604	LM21-22	74	75	1270	1.2	1.06
1605	LM21-22	75	76	280	0.3	0.93
1606	LM21-22	76	77	546	5.6	0.10
1607	LM21-22	77	78	832	12.1	0.07
1608	LM21-22	78	79	2890	27.5	0.11
1609	LM21-22	79	80	8780	7.2	1.22
1610	LM21-22	80	81	484	2.9	0.17
1611	LM21-22	81	82	15	0.2	0.08
1612	LM21-23					
1613	LM21-23	17	18	5	0.6	0.01
1614	LM21-23	18	19	14	0.4	0.04
1615	LM21-23	19	20	820	1.5	0.55
1616	LM21-23	20	21	110	1.1	0.10
1617	LM21-23	21	22	65	0.7	0.09
1618	LM21-23	22	23	44	1.7	0.03
1619	LM21-23	23	24	6	1.2	0.01
1620	LM21-23	24	25	7	1.3	0.01
1621	LM21-23	25	26	2.5	1.5	0.00
1622	LM21-23	26	27	127	6.3	0.02
1623	LM21-23	27	28	21	3.8	0.01
1624	LM21-23	28	29	32	3.9	0.01
1625	LM21-23	29	30	352	2.1	0.17
1626	LM21-23	30	31	55	19.3	0.00
1627	LM21-23	31	32	65	2.1	0.03

	B	C	D	I	J	K
1						
2	DDH	From	To	ng/g Au	µg/g Ag	Au:Ag
3	LM21-01					
1628	LM21-23	32	33	2.5	1.8	0.00
1629	LM21-23	33	34	12	4.4	0.00
1630	LM21-23	34	35	8	0.5	0.02
1631	LM21-23	35	36	2.5	0.7	0.00
1632	LM21-23	36	37	12	1.2	0.01
1633	LM21-23	37	38	8	0.5	0.02
1634	LM21-23	38	39	11	0.5	0.02
1635	LM21-23	39	40	464	3.6	0.13
1636	LM21-23	40	41	14	0.8	0.02
1637	LM21-23	41	42	41	1.3	0.03
1638	LM21-23	42	43	11	0.4	0.03
1639	LM21-23	43	44	76	0.1	0.76
1640	LM21-23	44	45	74	0.4	0.19
1641	LM21-23	45	46	7	0.5	0.01
1642	LM21-23	46	47	2.5	0.6	0.00
1643	LM21-23	47	48	2.5	0.9	0.00
1644	LM21-23	50.2	51.3	1280	5.5	0.23
1645	LM21-23	55	56	2.5	0.1	0.03
1646	LM21-23	82	83	20	0.6	0.03
1647	LM21-23	83	84	148	2.2	0.07
1648	LM21-23	84	85	57	1	0.06
1649	LM21-23	104	105	25	0.5	0.05
1650	LM21-23	105	106	11	0.1	0.11
1651	LM21-23	106	107	9	0.1	0.09
1652	LM21-23	107	108	6	0.1	0.06
1653	LM21-23	108	109	6	0.1	0.06
1654	LM21-23	109	110	6	0.1	0.06
1655	LM21-23	110	111	2.5	0.1	0.03
1656	LM21-23	111	112	5	0.1	0.05
1657	LM21-23	112	113	8	0.1	0.08
1658	LM21-23	113	114	2.5	0.1	0.03
1659	LM21-23	114	115	2.5	0.1	0.03
1660	LM21-23	115	116	2.5	0.2	0.01
1661	LM21-23	116	117	16	0.4	0.04
1662	LM21-23	117	118	16	0.3	0.05
1663	LM21-23	118	119	23	0.6	0.04
1664	LM21-23	131	132	21	0.3	0.07
1665	LM21-23	142.25	142.7	2.5	0.4	0.01
1666	LM21-23	142.7	143.7	32	0.8	0.04
1667	LM21-23	143.7	144.7	14	0.4	0.04
1668	LM21-23	144.7	145.7	16	0.3	0.05
1669	LM21-23	145.7	146.7	12	0.2	0.06
1670	LM21-23	151	152	21	0.1	0.21
1671	LM21-24					
1672	LM21-24	6	7	32	0.4	0.08
1673	LM21-24	7	8	20	0.3	0.07
1674	LM21-24	8	9	18	0.5	0.04
1675	LM21-24	9	10	11	0.3	0.04
1676	LM21-24	10	11	10	0.1	0.10
1677	LM21-24	17	18	21	0.3	0.07
1678	LM21-24	18	19	21	1.3	0.02
1679	LM21-24	19	20	2.5	0.1	0.03
1680	LM21-24	20	21	6	0.1	0.06
1681	LM21-24	21	22	2.5	0.1	0.03
1682	LM21-24	22	23	2.5	0.3	0.01
1683	LM21-24	23	24	2.5	0.1	0.03

	B	C	D	I	J	K
1						
2	DDH	From	To	ng/g Au	µg/g Ag	Au:Ag
3	LM21-01					
1684	LM21-24	24	25	17	0.1	0.17
1685	LM21-24	25	26	16	0.4	0.04
1686	LM21-24	26	27	15	0.3	0.05
1687	LM21-24	27	28	2.5	0.1	0.03
1688	LM21-24	28	29	13	0.1	0.13
1689	LM21-24	29	30	18	0.1	0.18
1690	LM21-24	35	36	12	0.1	0.12
1691	LM21-24	36	37	7	0.1	0.07
1692	LM21-24	42	43	7	0.3	0.02
1693	LM21-24	43	44	19	0.3	0.06
1694	LM21-24	44	45	824	1.1	0.75
1695	LM21-24	45	46	2940	2.3	1.28
1696	LM21-24	46	47	1380	1.3	1.06
1697	LM21-24	47	48	1010	4.8	0.21
1698	LM21-24	48	49	267	6.7	0.04
1699	LM21-24	49	50	84	11	0.01
1700	LM21-24	50	51	31	1	0.03
1701	LM21-24	56	57	21	0.1	0.21
1702	LM21-24	57	58	20	0.3	0.07
1703	LM21-24	58	59	31	0.4	0.08
1704	LM21-24	59	60	485	0.3	1.62
1705	LM21-24	60	61	801	0.1	8.01
1706	LM21-24	61	62	2890	0.3	9.63
1707	LM21-24	62	63	96	0.1	0.96
1708	LM21-24	63	64	222	0.3	0.74
1709	LM21-24	64	65	34	0.3	0.11
1710	LM21-24	65	66	60	0.3	0.20
1711	LM21-24	66	67	13	0.1	0.13
1712	LM21-24	67	68	281	0.3	0.94
1713	LM21-24	68	69	17	0.1	0.17
1714	LM21-24	69	70	16	0.4	0.04
1715	LM21-24	70	71	23	0.3	0.08
1716	LM21-24	71	72	8	0.2	0.04
1717	LM21-24	72	73	17	0.2	0.09
1718	LM21-24	73	74	20	0.6	0.03
1719	LM21-24	74	75	10	0.3	0.03
1720	LM21-24	75	76	17	0.6	0.03
1721	LM21-24	76	77	11	0.4	0.03
1722	LM21-24	81	82	17	0.4	0.04
1723	LM21-24	82	83	683	0.9	0.76
1724	LM21-24	83	84	25	0.3	0.08
1725	LM21-24	84	85	7	0.4	0.02
1726	LM21-24	88	89	273	0.9	0.30
1727	LM21-24	89	90	992	1.4	0.71
1728	LM21-24	90	91	79	0.6	0.13
1729	LM21-24	91	92	60	0.2	0.30
1730	LM21-24	95	96	16	0.3	0.05
1731	LM21-24	105	106	11	0.9	0.01
1732	LM21-24	106	107	10	0.4	0.03
1733	LM21-24	107	108	2.5	0.5	0.01
1734	LM21-24	108	109	8	0.6	0.01
1735	LM21-24	109	110	327	0.4	0.82
1736	LM21-24	110	111	7	0.2	0.04
1737	LM21-24	111	112	140	0.3	0.47
1738	LM21-24	112	113	12	0.1	0.12
1739	LM21-24	121.5	122.5	66	0.8	0.08

	B	C	D	I	J	K
1						
2	<b>DDH</b>	<b>From</b>	<b>To</b>	<b>ng/g Au</b>	<b>µg/g Ag</b>	<b>Au:Ag</b>
3	<b>LM21-01</b>					
1740	LM21-24	122.5	123.5	2470	4	0.62
1741	LM21-24	123.5	124.5	940	2.4	0.39
1742	LM21-24	124.5	125.5	23	0.8	0.03
1743	LM21-24	125.5	126.5	88	1.6	0.06
1744	LM21-24	126.5	127.5	190	3.6	0.05
1745	LM21-24	127.5	128.5	333	5.5	0.06
1746	LM21-24	128.5	129.5	96	2.6	0.04
1747	LM21-24	129.5	130.5	78	2	0.04
1748	LM21-24	130.5	131.5	60	2.3	0.03
1749	LM21-24	131.5	132.5	86	3.3	0.03
1750	LM21-24	132.5	133.5	96	2.3	0.04
1751	LM21-24	133.5	134.5	64	1.5	0.04
1752	LM21-24	134.5	135.5	82	1.7	0.05
1753	LM21-24	135.5	136.5	48	2	0.02
1754	LM21-24	136.5	137.5	34	1.8	0.02
1755	LM21-24	137.5	138.5	33	2.5	0.01
1756	LM21-24	148.7	149.7	3100	4.9	0.63
1757	LM21-24	149.7	150.7	2080	3.1	0.67
1758	LM21-24	150.7	151.7	893	3.1	0.29
1759	LM21-24	151.7	152.7	141	3.4	0.04
1760	LM21-24	152.7	153.7	24	0.7	0.03
1761	LM21-24	153.7	154.2	12	0.3	0.04
1762	<b>LM21-25</b>					
1763	LM21-25	38	39	13	0.3	0.04
1764	LM21-25	39	40	19	0.1	0.19
1765	LM21-25	40	41	16	1.4	0.01
1766	LM21-25	41	42	20	0.5	0.04
1767	LM21-25	42	43	16	0.5	0.03
1768	LM21-25	43	44	20	0.6	0.03
1769	LM21-25	44	45	14	0.7	0.02
1770	LM21-25	45	46	714	2.8	0.26
1771	LM21-25	46	47	2820	4.2	0.67
1772	LM21-25	47	48	45	1.7	0.03
1773	LM21-25	48	49	52	1.1	0.05
1774	LM21-25	49	50	3230	45.5	0.07
1775	LM21-25	50	51	2850	4.9	0.58
1776	LM21-25	51	52	3880	4.1	0.95
1777	LM21-25	52	53	31	1.5	0.02
1778	LM21-25	53	54	85	1.8	0.05
1779	LM21-25	54	55	24	0.7	0.03
1780	LM21-25	55	56	1760	2.3	0.77
1781	LM21-25	56	57	9810	7.8	1.26
1782	LM21-25	63	64	19	0.4	0.05
1783	LM21-25	64	65	23	0.5	0.05
1784	LM21-25	65	66	2.5	0.8	0.00
1785	LM21-25	66	67	65	0.6	0.11
1786	LM21-25	71	72	6	0.3	0.02
1787	LM21-25	72	73	591	0.5	1.18
1788	LM21-25	73	74	1570	0.9	1.74
1789	LM21-25	78	79	18	0.3	0.06
1790	LM21-25	79	80	712	0.4	1.78
1791	LM21-25	85	86	15	0.3	0.05
1792	LM21-25	86	87	3370	0.6	5.62
1793	LM21-25	87	88	1930	0.6	3.22
1794	LM21-25	88	89	10	0.1	0.10
1795	LM21-25	89	90	57	0.4	0.14

	B	C	D	I	J	K
1						
2	<b>DDH</b>	<b>From</b>	<b>To</b>	<b>ng/g Au</b>	<b>µg/g Ag</b>	<b>Au:Ag</b>
3	<b>LM21-01</b>					
1796	LM21-25	90	91	47	0.3	0.16
1797	LM21-25	91	92	13	0.1	0.13
1798	LM21-25	92	93	96	0.2	0.48
1799	LM21-25	93	94	7100	3.6	1.97
1800	LM21-25	94	95	6840	4.5	1.52
1801	LM21-25	95	96	16	0.4	0.04
1802	LM21-25	96	97	8	0.3	0.03
1803	LM21-25	97	98	8	0.2	0.04
1804	LM21-25	98	99	13	0.3	0.04
1805	LM21-25	99	100	13	0.4	0.03
1806	LM21-25	100	101	552	0.7	0.79
1807	LM21-25	101	102	439	0.7	0.63
1808	LM21-25	102	103	1430	0.9	1.59
1809	LM21-25	103	104	12	0.1	0.12
1810	LM21-25	104	105	7	0.1	0.07
1811	LM21-25	114	115	25	0.6	0.04
1812	LM21-25	141	142	35	1	0.04
1813	LM21-25	142	143	15	0.7	0.02
1814	LM21-25	143	144	17	0.3	0.06
1815	LM21-25	144	145	10	0.3	0.03
1816	LM21-25	145	146	2.5	0.3	0.01
1817	LM21-25	146	147	11	0.6	0.02
1818	LM21-25	147	148	24	0.9	0.03
1819	LM21-25	148	149	10	0.4	0.03
1820	LM21-25	149	150	28	0.5	0.06
1821	LM21-25	150	151	3790	3.1	1.22
1822	LM21-25	151	152	392	4.1	0.10
1823	LM21-25	152	153	813	2.9	0.28
1824	LM21-25	153	154	343	2.4	0.14
1825	LM21-25	154	155	7	0.3	0.02
1826	<b>LM21-26</b>					
1827	LM21-26	11.52	12.54	26	0.1	0.26
1828	LM21-26	12.54	13.52	56	0.2	0.28
1829	LM21-26	13.52	15.55	2.5	0.1	0.03
1830	LM21-26	15.55	14.55	21	0.1	0.21
1831	LM21-26	14.55	13.22	2.5	0.1	0.03
1832	LM21-26	15.55	16.55	16	0.1	0.16
1833	LM21-26	16.55	17.55	165	0.1	1.65
1834	LM21-26	17.55	18.55	46	0.1	0.46
1835	LM21-26	31.5	32.5	14	0.9	0.02
1836	LM21-26	32.5	33.5	5950	3.7	1.61
1837	LM21-26	33.5	34.49	126	1	0.13
1838	LM21-26	34.49	36	242	0.6	0.40
1839	LM21-26	36	37	246	0.5	0.49
1840	LM21-26	37	38.5	139	0.4	0.35
1841	LM21-26	38.5	39.5	67	0.4	0.17
1842	LM21-26	39.5	40.25	3930	1.2	3.28
1843	LM21-26	40.25	41.25	1030	0.3	3.43
1844	LM21-26	41.25	42.25	67	0.1	0.67
1845	LM21-26	42.25	43.25	2.5	0.1	0.03
1846	LM21-26	43.25	44.25	6	0.1	0.06
1847	LM21-26	44.25	45.25	5	0.1	0.05
1848	LM21-26	45.25	46.25	10	0.1	0.10
1849	LM21-26	46.26	47	1440	0.7	2.06
1850	LM21-26	47	47.61	1320	0.4	3.30
1851	LM21-26	47.61	48.55	952	0.4	2.38

	B	C	D	I	J	K
1						
2	DDH	From	To	ng/g Au	µg/g Ag	Au:Ag
3	LM21-01					
1852	LM21-26	48.55	49.52	55	0.4	0.14
1853	LM21-26	49.52	51.52	3540	1.2	2.95
1854	LM21-26	51.52	53.5	70	0.1	0.70
1855	LM21-26	53.5	52.5	2020	1.4	1.44
1856	LM21-26	52.5	50.52	22	0.1	0.22
1857	LM21-26	53.5	54.5	31	0.1	0.31
1858	LM21-26	54.5	55.5	1380	0.7	1.97
1859	LM21-26	55.5	56.5	196	0.5	0.39
1860	LM21-26	56.5	57.55	65	0.3	0.22
1861	LM21-26	57.55	58.54	1250	0.5	2.50
1862	LM21-26	58.54	59.6	1970	0.6	3.28
1863	LM21-26	59.6	60.34	2580	1.7	1.52
1864	LM21-26	60.34	61.12	902	1.1	0.82
1865	LM21-26	61.12	62.63	19	1	0.02
1866	LM21-26	62.63	63.58	2290	1	2.29
1867	LM21-26	63.58	64.48	11	0.4	0.03
1868	LM21-26	64.48	65.1	6	0.3	0.02
1869	LM21-26	65.1	66.15	6	0.1	0.06
1870	LM21-26	66.15	68	30	0.5	0.06
1871	LM21-26	68	70.5	9	0.3	0.03
1872	LM21-26	70.5	69.5	36	0.5	0.07
1873	LM21-26	69.5	67.29	53	0.3	0.18
1874	LM21-26	70.5	71.5	8	0.3	0.03
1875	LM21-26	81.68	82.68	90	0.7	0.13
1876	LM21-26	87.8	88.24	19	0.1	0.19
1877	LM21-26	88.24	88.85	44	0.4	0.11
1878	LM21-26	88.85	89.85	8	0.1	0.08
1879	LM21-26	97.69	98.69	8	0.1	0.08
1880	LM21-26	98.69	99.69	367	0.5	0.73
1881	LM21-26	99.69	100.69	16	0.3	0.05
1882	LM21-26	107.5	108.63	13	0.4	0.03
1883	LM21-26	108.63	109.63	31	0.2	0.16
1884	LM21-26	109.63	110.31	92	0.5	0.18
1885	LM21-26	110.31	111.31	7	0.2	0.04
1886	LM21-26	111.31	112.31	6	0.3	0.02
1887	LM21-26	112.31	113.4	6	0.3	0.02
1888	LM21-26	113.4	114.4	16	0.5	0.03
1889	LM21-26	114.4	115.45	9	0.3	0.03
1890	LM21-26	115.45	116.35	6	0.2	0.03
1891	LM21-26	116.35	117.1	5	0.1	0.05
1892	LM21-26	117.1	118.1	2.5	0.3	0.01
1893	LM21-26	118.1	119.15	9	0.2	0.05
1894	LM21-26	119.15	120.9	2.5	0.1	0.03
1895	LM21-26	120.9	121.9	2.5	0.1	0.03
1896	LM21-26	121.9	122.9	5	0.1	0.05
1897	LM21-26	122.9	125	2.5	0.3	0.01
1898	LM21-26	125	126	5	0.3	0.02
1899	LM21-26	126	124	7	0.2	0.04
1900	LM21-26	129	130	14	0.4	0.04
1901	LM21-26	130	131	20	1	0.02
1902	LM21-26	131	132	7	0.4	0.02
1903	LM21-26	132	133	6	0.3	0.02
1904	LM21-26	133	134	2.5	0.1	0.03
1905	LM21-26	134	135	12	0.3	0.04
1906	LM21-26	135	136	13	0.3	0.04
1907	LM21-26	136	137	1010	6.4	0.16

	B	C	D	I	J	K
1						
2	<b>DDH</b>	<b>From</b>	<b>To</b>	<b>ng/g Au</b>	<b>µg/g Ag</b>	<b>Au:Ag</b>
3	<b>LM21-01</b>					
1908	LM21-26	137	138	6	0.6	0.01
1909	LM21-26	138	139	450	1.4	0.32
1910	LM21-26	139	140	18500	23.8	0.78
1911	LM21-26	140	141	753	14.5	0.05
1912	LM21-26	141	142	675	8.2	0.08
1913	LM21-26	142	143	429	0.9	0.48
1914	LM21-26	143	144	170	1.5	0.11
1915	LM21-26	144	145	351	3.1	0.11
1916	LM21-26	145	146	135	1.7	0.08
1917	LM21-26	146	147	320	2.2	0.15
1918	LM21-26	147	148	420	1	0.42
1919	LM21-26	148	149	12	0.1	0.12
1920	LM21-26	155	156	14	0.7	0.02
1921	LM21-26	156	157	26	0.3	0.09
1922	LM21-26	157	158	62	0.4	0.16
1923	LM21-26	170	171	8	0.3	0.03
1924	LM21-26	171	172	94	0.7	0.13
1925	LM21-26	172	173	11	0.2	0.06
1926	LM21-26	173	174	12	0.3	0.04
1927	LM21-26	174	175	11	0.4	0.03
1928	LM21-26	179.3	179.83	15	0.1	0.15
1929	<b>LM21-27</b>					
1930	LM21-27	22	23	8120	2.4	3.38
1931	LM21-27	23	24	198	1.4	0.14
1932	LM21-27	24	25	11900	5.2	2.29
1933	LM21-27	25	26	8070	5.6	1.44
1934	LM21-27	26	27	287	1.4	0.21
1935	LM21-27	27	28	75	0.8	0.09
1936	LM21-27	28	29	29	1	0.03
1937	LM21-27	29	30	54	1.2	0.05
1938	LM21-27	30	31	90	1.6	0.06
1939	LM21-27	31	32	91	1.6	0.06
1940	LM21-27	32	33	222	1.3	0.17
1941	LM21-27	33	34	55	1.1	0.05
1942	LM21-27	34	35	7	0.4	0.02
1943	LM21-27	39	40	13	0.4	0.03
1944	LM21-27	40	41	26	0.9	0.03
1945	LM21-27	53	54	36	0.6	0.06
1946	LM21-27	54	55	106	1.4	0.08
1947	LM21-27	55	56	34	0.9	0.04
1948	LM21-27	56	57	305	1.2	0.25
1949	LM21-27	57	58	418	0.5	0.84
1950	LM21-27	58	59	354	0.6	0.59
1951	LM21-27	59	60	17	0.4	0.04
1952	LM21-27	60	61	184	0.6	0.31
1953	LM21-27	61	62	22	0.7	0.03
1954	LM21-27	88.5	89	30	0.7	0.04
1955	LM21-27	106	107	10	0.3	0.03
1956	LM21-27	107	108	20	0.5	0.04
1957	LM21-27	108	109	32	0.5	0.06
1958	LM21-27	109	110	10	0.1	0.10
1959	LM21-27	141	142	9	0.3	0.03
1960	LM21-27	142	143	31	0.6	0.05
1961	LM21-27	143	144	17	0.5	0.03
1962	LM21-27	150	151	24	0.3	0.08
1963	LM21-27	151	152	594	0.8	0.74



	B	C	D	I	J	K
1						
2	DDH	From	To	ng/g Au	µg/g Ag	Au:Ag
3	LM21-01					
1964	LM21-27	152	153	12	0.4	0.03
1965	LM21-27	153	154	11	0.1	0.11
1966	LM21-27	154	155	11	0.3	0.04
1967	LM21-27	155	156	2.5	0.1	0.03
1968	LM21-27	163	164	136	0.3	0.45
1969	LM21-27	164	165	60	0.1	0.60
1970	LM21-27	165	166	127	0.1	1.27
1971	LM21-27	166	167	9	0.4	0.02
1972	LM21-27	167	168	14	0.2	0.07
1973	LM21-27	180	181	2.5	0.1	0.03
1974	LM21-27	181	182	758	0.8	0.95
1975	LM21-27	182	183	2310	1.5	1.54
1976	LM21-27	183	184	2740	1.6	1.71
1977	LM21-27	184	185	299	0.1	2.99
1978	LM21-27	187	188	48	0.5	0.10
1979	LM21-27	188	189	136	2.7	0.05
1980	LM21-27	189	190	53	5	0.01
1981	LM21-27	190	191	60	1.9	0.03
1982	LM21-27	191	192	49	2.4	0.02
1983	LM21-27	192	193	76	3.1	0.02
1984	LM21-27	193	194	59	2.9	0.02
1985	LM21-27	194	195	17	2.2	0.01
1986	LM21-27	195	196	19	3.4	0.01
1987	LM21-27	196	197	7	1.3	0.01
1988	LM21-27	197	198	19	1.1	0.02
1989	LM21-27	198	199	41	6.7	0.01
1990	LM21-27	199	200	98	1.8	0.05
1991	LM21-27	200	201	123	2.4	0.05
1992	LM21-27	201	202	35	0.7	0.05
1993	LM21-27	202	203	34	0.6	0.06
1994	LM21-27	203	204	146	0.9	0.16
1995	LM21-27	204	205	170	0.4	0.43
1996	LM21-27	205	206	474	1.1	0.43
1997	LM21-27	206	209	768	0.1	7.68
1998	LM21-27	209	210	5	0.1	0.05
1999	LM21-27	220.5	221	23	0.3	0.08
2000	LM21-27	238.7	239.6	6	0.2	0.03
2001	LM21-28A					
2002	LM21-28A	14	15	9	0.1	0.09
2003	LM21-28A	15	16	12	0.2	0.06
2004	LM21-28A	16	17	24	0.4	0.06
2005	LM21-28A	17	18	23	1.3	0.02
2006	LM21-28A	18	19	27	0.6	0.05
2007	LM21-28A	30.75	31.25	9	0.3	0.03
2008	LM21-28A	35	36	7	0.1	0.07
2009	LM21-28A	36	37	7	0.1	0.07
2010	LM21-28A	37	38	9	0.1	0.09
2011	LM21-28A	50	51	9	0.1	0.09
2012	LM21-28A	51	52	102	0.2	0.51
2013	LM21-28A	52	53	544	1.1	0.49
2014	LM21-28A	53	54	73	0.6	0.12
2015	LM21-28A	54	55	24	0.4	0.06
2016	LM21-28A	55	56	16	0.3	0.05
2017	LM21-28A	56	57	11	0.3	0.04
2018	LM21-28A	57	58	25	0.5	0.05
2019	LM21-28A	58	59	36	0.6	0.06

	B	C	D	I	J	K
1						
2	DDH	From	To	ng/g Au	µg/g Ag	Au:Ag
3	LM21-01					
2020	LM21-28A	59	60	2.5	0.4	0.01
2021	LM21-28A	60	61	7	0.5	0.01
2022	LM21-28A	61	62	40	0.6	0.07
2023	LM21-28A	62	63	7	0.4	0.02
2024	LM21-28A	63	64	10	0.5	0.02
2025	LM21-28A	64	65	8	0.6	0.01
2026	LM21-28A	65	66	11	0.5	0.02
2027	LM21-28A	66	67	14	1	0.01
2028	LM21-28A	67	68	15	0.6	0.03
2029	LM21-28A	68	69	34	0.6	0.06
2030	LM21-28A	69	70	78	0.8	0.10
2031	LM21-28A	70	71	186	0.6	0.31
2032	LM21-28A	71	72	271	0.7	0.39
2033	LM21-28A	72	73	2670	9.2	0.29
2034	LM21-28A	73	74	548	1.1	0.50
2035	LM21-28A	74	75	25	0.5	0.05
2036	LM21-28A	75	76	95	1.3	0.07
2037	LM21-28A	76	77	34	0.6	0.06
2038	LM21-28A	77	78	29	0.7	0.04
2039	LM21-28A	78	79	15	0.5	0.03
2040	LM21-28A	79	80	79	0.4	0.20
2041	LM21-28A	80	81	45	0.3	0.15
2042	LM21-28A	81	82	13	0.3	0.04
2043	LM21-28A	82	83	14	0.4	0.04
2044	LM21-28A	92	93	31	0.7	0.04
2045	LM21-28A	93	94	27	0.7	0.04
2046	LM21-28A	94	95	19	0.9	0.02
2047	LM21-28A	95	96	6	0.1	0.06
2048	LM21-28A	96	97	5	0.2	0.03
2049	LM21-28A	97	98	20	1.3	0.02
2050	LM21-28A	98	99	23	0.8	0.03
2051	LM21-28A	99	100	46	1.1	0.04
2052	LM21-28A	100	101	116	0.6	0.19
2053	LM21-28A	101	102	12	0.7	0.02
2054	LM21-28A	102	103	20	0.9	0.02
2055	LM21-28A	103	104	8	1	0.01
2056	LM21-28A	104	105	11	0.7	0.02
2057	LM21-28A	105	106	8	0.6	0.01
2058	LM21-28A	155	156	30	0.4	0.08
2059	LM21-28A	156	157	3960	6.2	0.64
2060	LM21-28A	157	158	3120	10.3	0.30
2061	LM21-28A	158	159	363	0.6	0.61
2062	LM21-28A	159	160	234	0.4	0.59
2063	LM21-28A	160	161	101	0.3	0.34
2064	LM21-28A	170	171	117	0.2	0.59
2065	LM21-28A	171	172	30	0.2	0.15
2066	LM21-28A	172	173	17	0.3	0.06
2067	LM21-28A	173	174	173	0.6	0.29
2068	LM21-28A	174	175	10	0.2	0.05
2069	LM21-28A	175	176	10	0.4	0.03
2070	LM21-28A	181	182	15	0.2	0.08
2071	LM21-28A	182	183	45	0.3	0.15
2072	LM21-28A	183	184	13	0.1	0.13
2073	LM21-28A	184	185	113	0.3	0.38
2074	LM21-28A	185	186	14	0.1	0.14
2075	LM21-28A	186	187	130	0.3	0.43

	B	C	D	I	J	K
1						
2	<b>DDH</b>	<b>From</b>	<b>To</b>	<b>ng/g Au</b>	<b>µg/g Ag</b>	<b>Au:Ag</b>
3	<b>LM21-01</b>					
2076	LM21-28A	187	188	13	0.3	0.04
2077	LM21-28A	192	193	1990	0.8	2.49
2078	LM21-28A	212	213	13	0.5	0.03
2079	LM21-28A	213	214	580	0.5	1.16
2080	LM21-28A	240	241	24	0.7	0.03
2081	LM21-28A	241	242	47	0.9	0.05
2082	LM21-28A	242	243	184	1.4	0.13
2083	LM21-28A	243	244	16	0.4	0.04
2084	LM21-28A	244	245	10	1	0.01
2085	LM21-28A	245	246	2.5	0.7	0.00
2086	LM21-28A	246	247	11	0.6	0.02
2087	LM21-28A	247	248	225	1.3	0.17
2088	LM21-28A	248	249	484	1	0.48
2089	LM21-28A	249	250	485	0.6	0.81
2090	LM21-28A	250	251	262	0.3	0.87
2091	LM21-28A	251	252	60	0.3	0.20
2092	LM21-28A	252	253	157	0.5	0.31
2093	LM21-28A	253	254	564	4.9	0.12
2094	LM21-28A	254	255	314	3.2	0.10
2095	LM21-28A	255	256	46	2.3	0.02
2096	LM21-28A	256	257	140	1.1	0.13
2097	LM21-28A	257	258	1840	2.2	0.84
2098	LM21-28A	258	259	474	1	0.47
2099	LM21-28A	259	260	786	1.1	0.71
2100	LM21-28A	260	261	3340	4	0.84
2101	LM21-28A	261	262	786	2.7	0.29
2102	LM21-28A	262	263	34	0.8	0.04
2103	LM21-28A	263	264	30	0.8	0.04
2104	LM21-28A	287.17	288.17	21	0.1	0.21
2105	LM21-28A	313.5	314.5	19	0.1	0.19
2106	LM21-28A	317	318	6	0.1	0.06
2107	LM21-28A	318	319	7	0.1	0.07
2108	<b>LM21-29</b>					
2109	LM21-29	15	16	39	1.6	0.02
2110	LM21-29	20	21	2.5	0.1	0.03
2111	LM21-29	21	22	5	0.3	0.02
2112	LM21-29	22	23	14	1.5	0.01
2113	LM21-29	23	24	240	0.6	0.40
2114	LM21-29	24	25	745	1.3	0.57
2115	LM21-29	25	26	20	1	0.02
2116	LM21-29	26	27	21	0.6	0.04
2117	LM21-29	35	36	30	0.1	0.30
2118	LM21-29	36	37	20	0.1	0.20
2119	LM21-29	37	38	98	0.6	0.16
2120	LM21-29	38	39	123	1.1	0.11
2121	LM21-29	39	40	75	0.9	0.08
2122	LM21-29	40	41	96	1.1	0.09
2123	LM21-29	41	42	53	0.7	0.08
2124	LM21-29	42	43	31	0.6	0.05
2125	LM21-29	43	44	49	0.5	0.10
2126	LM21-29	44	45	24	0.5	0.05
2127	LM21-29	45	46	27	0.3	0.09
2128	LM21-29	46	47	16	0.9	0.02
2129	LM21-29	47	48	69	2.1	0.03
2130	LM21-29	48	49	44	2.7	0.02
2131	LM21-29	49	50	211	2.1	0.10

	B	C	D	I	J	K
1						
2	DDH	From	To	ng/g Au	µg/g Ag	Au:Ag
3	LM21-01					
2132	LM21-29	50	51	44	2.7	0.02
2133	LM21-29	51	52	62	0.7	0.09
2134	LM21-29	52	53	109	1.4	0.08
2135	LM21-29	53	54	11	0.4	0.03
2136	LM21-29	54	55	54	3.7	0.01
2137	LM21-29	55	56	8	0.4	0.02
2138	LM21-29	96	97	61	1.3	0.05
2139	LM21-29	97	98	47	1.1	0.04
2140	LM21-29	98	99	10	0.1	0.10
2141	LM21-29	99	100	336	1.2	0.28
2142	LM21-29	100	101	233	0.6	0.39
2143	LM21-29	101	102	1380	1.8	0.77
2144	LM21-29	115.5	116	8	0.3	0.03
2145	LM21-29	116	117	19	0.6	0.03
2146	LM21-29	117	118	10	0.5	0.02
2147	LM21-29	118	119	9	0.4	0.02
2148	LM21-29	119	120	27	0.9	0.03
2149	LM21-29	120	121	53	0.5	0.11
2150	LM21-29	121	122	19	1	0.02
2151	LM21-29	122	123	79	0.6	0.13
2152	LM21-29	123	124	154	0.4	0.39
2153	LM21-29	124	125	9	0.1	0.09
2154	LM21-29	125	126	8	0.1	0.08
2155	LM21-29	126	127	8	0.1	0.08
2156	LM21-29	127	128	20	0.6	0.03
2157	LM21-29	128	129	65	1	0.07
2158	LM21-29	129	130	17	0.7	0.02
2159	LM21-29	170	171	29	1.2	0.02
2160	LM21-29	193	194	169	1.6	0.11
2161	LM21-29	194	195	29	0.6	0.05
2162	LM21-29	195	196	52	1	0.05
2163	LM21-29	196	197	2.5	0.5	0.01
2164	LM21-29	197	198	68	0.7	0.10
2165	LM21-29	198	199	4160	1.4	2.97
2166	LM21-29	199	200	676	0.8	0.85
2167	LM21-29	200	201	1830	0.9	2.03
2168	LM21-29	201	202	17	0.3	0.06
2169	LM21-29	202	203	102	0.6	0.17
2170	LM21-29	203	204	137	0.5	0.27
2171	LM21-29	204	205	10	0.4	0.03
2172	LM21-29	205	206	1470	0.7	2.10
2173	LM21-29	206	207	947	0.8	1.18
2174	LM21-29	207	208	80	1.4	0.06
2175	LM21-29	208	209	5	1.3	0.00
2176	LM21-29	209	210	64	2.6	0.02
2177	LM21-29	210	211	82	0.9	0.09
2178	LM21-29	211	212	25	0.7	0.04
2179	LM21-29	212	213	89	0.5	0.18
2180	LM21-29	213	214	52	0.8	0.07
2181	LM21-29	214	215	61	0.9	0.07
2182	LM21-29	215	216	37	1.1	0.03
2183	LM21-29	216	217	3990	9.3	0.43
2184	LM21-29	217	218	376	1.2	0.31
2185	LM21-29	218	219	10	0.4	0.03
2186	LM21-29	241	242	9	0.6	0.02
2187	LM21-29	242	243	10	0.4	0.03

	B	C	D	I	J	K
1						
2	<b>DDH</b>	<b>From</b>	<b>To</b>	<b>ng/g Au</b>	<b>µg/g Ag</b>	<b>Au:Ag</b>
3	<b>LM21-01</b>					
2188	LM21-29	243	244	7	0.3	0.02
2189	LM21-29	244	245	6	0.3	0.02
2190	LM21-29	245	246	14	0.4	0.04
2191	LM21-29	246	247	2.5	0.3	0.01
2192	LM21-29	247	248	15	0.3	0.05
2193	LM21-29	248	249	21	0.4	0.05
2194	LM21-29	249	249.93	510	0.8	0.64
2195	LM21-29	249.93	250.9	524	0.5	1.05
2196	LM21-29	250.9	251.9	939	0.7	1.34
2197	LM21-29	251.9	253	112	0.2	0.56
2198	LM21-29	253	254	24	0.1	0.24
2199	LM21-29	254	255	30	0.2	0.15
2200	LM21-29	255	256	19	0.3	0.06
2201	LM21-29	256	257	124	0.5	0.25
2202	LM21-29	257	258.5	19	0.2	0.10
2203	LM21-29	258.5	259.5	78	0.3	0.26
2204	LM21-29	259.5	261	52	0.1	0.52
2205	LM21-29	261	262	126	0.7	0.18
2206	LM21-29	262	263	38	0.5	0.08
2207	LM21-29	263	264	111	0.8	0.14
2208	LM21-29	264	265	1700	0.8	2.13
2209	LM21-29	265	266	24	0.5	0.05
2210	LM21-29	266	267	17	0.4	0.04
2211	LM21-29	267	268	11	0.3	0.04
2212	LM21-29	268	269	17	0.6	0.03
2213	LM21-29	269	270.04	1750	0.9	1.94
2214	LM21-29	270.04	271	27	0.6	0.05
2215	LM21-29	271	272	1280	0.8	1.60
2216	LM21-29	272	273	2520	0.8	3.15
2217	LM21-29	273	274	448	0.5	0.90
2218	LM21-29	274	275	53	0.4	0.13
2219	LM21-29	275	276.65	21	0.4	0.05
2220	LM21-29	287.28	288.28	269	1	0.27
2221	LM21-29	288	289.06	176	1.2	0.15
2222	LM21-29	291.17	291.78	530	0.9	0.59
2223	LM21-29	300	301.45	16	1.1	0.01
2224	LM21-29	301.45	302.45	15	1.1	0.01
2225	LM21-29	302.45	303.45	283	1.9	0.15
2226	LM21-29	303.45	304.45	225	1.9	0.12
2227	LM21-29	304.45	305.46	127	3.2	0.04
2228	LM21-29	305.46	306.48	55	2.6	0.02
2229	LM21-29	306.48	307.45	247	3.6	0.07
2230	LM21-29	307.45	308.45	1890	3.8	0.50
2231	LM21-29	308.45	309.45	3220	4.3	0.75
2232	LM21-29	309.45	310.35	21	1.4	0.02
2233	LM21-29	310.35	311.35	12	1.7	0.01
2234	LM21-29	311.35	312.85	55	0.8	0.07
2235	LM21-29	319	320.44	25	0.3	0.08
2236	LM21-29	320.44	321	21	0.3	0.07
2237	LM21-29	321	321.5	16	0.5	0.03
2238	LM21-29	321.5	323	52	1.3	0.04
2239	<b>LM21-30</b>					
2240	LM21-30	5	6	12	0.1	0.12
2241	LM21-30	6	7	179	0.2	0.90
2242	LM21-30	7	8	11	0.3	0.04
2243	LM21-30	8	9	11	0.3	0.04

	B	C	D	I	J	K
1						
2	DDH	From	To	ng/g Au	µg/g Ag	Au:Ag
3	LM21-01					
2244	LM21-30	9	10	172	0.4	0.43
2245	LM21-30	10	11	66	0.2	0.33
2246	LM21-30	11	12	9	0.1	0.09
2247	LM21-30	12	13	6	0.1	0.06
2248	LM21-30	13	14	2.5	0.1	0.03
2249	LM21-30	14	15	83	0.2	0.42
2250	LM21-30	15	16	293	0.7	0.42
2251	LM21-30	16	17	17	0.4	0.04
2252	LM21-30	17	18	16	0.3	0.05
2253	LM21-30	18	19	31	0.5	0.06
2254	LM21-30	19	20	9	0.1	0.09
2255	LM21-30	20	21	2.5	0.1	0.03
2256	LM21-30	21	22	2.5	0.2	0.01
2257	LM21-30	22	23	2.5	0.3	0.01
2258	LM21-30	31	32	8	0.6	0.01
2259	LM21-30	32	33	2.5	0.1	0.03
2260	LM21-30	33	34	2.5	0.1	0.03
2261	LM21-30	34	35	2.5	0.1	0.03
2262	LM21-30	35	36	2.5	0.1	0.03
2263	LM21-30	36	37	44	1.8	0.02
2264	LM21-30	37	38	195	0.1	1.95
2265	LM21-30	38	39	755	0.1	7.55
2266	LM21-30	39	40	294	0.1	2.94
2267	LM21-30	40	41	192	1.8	0.11
2268	LM21-30	41	42	75	1.1	0.07
2269	LM21-30	42	43	98	1.3	0.08
2270	LM21-30	43	44	39	0.7	0.06
2271	LM21-30	44	45	10	0.4	0.03
2272	LM21-30	45	46	18	0.5	0.04
2273	LM21-30	46	47	277	0.4	0.69
2274	LM21-30	47	48	37	0.6	0.06
2275	LM21-30	48	49	10	0.8	0.01
2276	LM21-30	49	50	7	0.8	0.01
2277	LM21-30	77	78	37	0.4	0.09
2278	LM21-30	78	79	32	0.3	0.11
2279	LM21-30	82	83	18	0.5	0.04
2280	LM21-30	83	84	1710	16.3	0.10
2281	LM21-30	84	85	659	1.3	0.51
2282	LM21-30	85	86	191	0.5	0.38
2283	LM21-30	86	87	45	0.5	0.09
2284	LM21-30	87	88	16	1.4	0.01
2285	LM21-30	88	89	34	1.1	0.03
2286	LM21-30	89	90	130	1.7	0.08
2287	LM21-30	90	91	10100	100	0.10
2288	LM21-30	91	92	6380	8.4	0.76
2289	LM21-30	92	93	5	1.4	0.00
2290	LM21-30	93	94	2.5	0.9	0.00
2291	LM21-30	94	95	9	0.8	0.01
2292	LM21-30	95	96	7	0.6	0.01
2293	LM21-30	96	97	204	0.8	0.26
2294	LM21-30	97	98	159	0.7	0.23
2295	LM21-30	98	99	17	0.7	0.02
2296	LM21-30	99	100	10500	18	0.58
2297	LM21-30	100	101	3780	2.7	1.40
2298	LM21-30	106	107	18	0.3	0.06
2299	LM21-30	107	108	596	0.9	0.66

	B	C	D	I	J	K
1						
2	DDH	From	To	ng/g Au	µg/g Ag	Au:Ag
3	LM21-01					
2300	LM21-30	108	109	11	0.6	0.02
2301	LM21-30	136	137	130	0.9	0.14
2302	LM21-30	137	138	82	0.1	0.82
2303	LM21-30	138	139	1230	0.8	1.54
2304	LM21-30	139	140	7	0.6	0.01
2305	LM21-30	140	141	10	0.6	0.02
2306	LM21-30	141	142	798	0.7	1.14
2307	LM21-30	142	143	19	0.1	0.19
2308	LM21-30	143	144	17	0.4	0.04
2309	LM21-30	144	145	77	0.3	0.26
2310	LM21-30	145	146	74	0.4	0.19
2311	LM21-30	159	160	36	6.9	0.01
2312	LM21-30	160	161	12	0.7	0.02
2313	LM21-30	161	162	23	2.1	0.01
2314	LM21-30	174	175	5	0.1	0.05
2315	LM21-30	175	176	6	0.3	0.02
2316	LM21-30	176	177	20	0.5	0.04
2317	LM21-30	177	178	2.5	0.1	0.03
2318	LM21-30	178	179	239	0.6	0.40
2319	LM21-30	179	180	322	0.7	0.46
2320	LM21-30	180	181	48	0.5	0.10
2321	LM21-30	181	182	322	3.2	0.10
2322	LM21-30	182	183	357	1.2	0.30
2323	LM21-30	183	184	164	0.9	0.18
2324	LM21-30	184	185	213	1	0.21
2325	LM21-30	185	186	46	0.2	0.23
2326	LM21-30	186	187	9	0.1	0.09
2327	LM21-30	187	188	2.5	0.2	0.01
2328	LM21-30	188	189	370	1.5	0.25
2329	LM21-30	189	190	14	0.4	0.04
2330	LM21-30	190	191	6	0.1	0.06
2331						
2332						
2333	Geological Zone					
2334	"Auriferous" Zone					
2335	Coincident Geological and "Auriferous"					
2336	Zones					















DDH	From	To	ngpa Au	ngpa Ag	ngpa Cu	ngpa Pb	ngpa Zn	ngpa Ni	ngpa Co	ngpa Mn	ngpa Fe	ngpa Ba	ngpa Sr	ngpa S	ngpa T	ngpa U	ngpa V	ngpa W	ngpa X	ngpa Y	ngpa Z	ngpa AA	ngpa AB	ngpa AC	ngpa AD	ngpa AE	ngpa AF	ngpa AG	ngpa AH	ngpa AI	ngpa AJ	ngpa AK	ngpa AL	ngpa AM	ngpa AN	ngpa AO	ngpa AP	ngpa AQ	ngpa AR	ngpa AS	ngpa AT	ngpa AU	
L21-01	62.00	63.00	10.0	0.2	103.3	3	1	0.52	0.5	5	126	62	1	154	55	0.25	1010	3.87	2.24	0.05	2.27	0.25	316	5.43	5	0.5	0.092	0.020	6	37	0.15	10	3	1	5	77	5	7	5	8	8		
L21-01	63.00	64.00	9	0.6	21	4	1	1.31	3	5	63	287	55	5	142	51	0.25	1120	4.46	2.66	0.53	2.76	0.25	335	7.51	5	2	5	0.064	0.025	4	59	0.19	10	0.5	2	5	109	6	4	8		
L21-01	64.00	65.00	21	0.5	4	1	0.14	0.5	5	178	163	61	5	99	48	0.25	710	3.36	2.25	0.26	2.56	0.25	195	5.86	5	1	5	0.111	0.029	4	51	0.25	10	3	1	5	97	4	8	8			
L21-01	65.00	66.00	34	0.1	44	3	1	0.08	0.5	5	124	258	57	1	98	45	0.25	851	2.74	2.06	0.18	1.86	0.25	268	4.56	5	0.5	0.118	0.027	4	35	0.12	10	0.5	2	5	77	4	8	8			
L21-01	66.00	67.00	25	0.4	17	1	0.1	0.5	5	143	195	64	1	96	43	0.25	739	3.52	2.31	0.21	2.58	0.25	155	6.02	5	1	5	0.1	0.029	5	61	0.22	10	0.5	1	5	101	5	6	6			
L21-01	67.00	68.00	14	0.2	1	1	0.1	0.5	5	244	48	4	1	176	60	0.25	1010	4.09	2.47	0.39	2.41	0.25	266	7.58	5	2	5	0.051	0.022	10	76	0.22	10	0.5	1	5	122	5	6	6			
L21-01	68.00	69.00	9	0.6	2	1	0.1	0.5	5	61	186	75	5	140	59	0.25	851	2.74	2.02	0.18	1.86	0.25	268	4.56	5	1	5	0.126	0.035	5	40	0.23	10	0.5	1	5	154	11	7	11			
L21-01	69.00	70.00	16	0.2	21	3	1	0.13	0.5	5	129	79	1	96	41	0.25	886	4.17	2.7	0.27	2.99	0.25	232	6.84	5	2	5	0.147	0.031	6	59	0.28	10	0.5	1	5	119	6	9	9			
L21-01	70.00	71.00	18	0.1	1	1	0.1	0.5	5	227	165	81	5	145	65	0.25	927	3.51	2.21	0.27	2.99	0.25	165	5.74	5	2	5	0.147	0.031	6	59	0.28	10	0.5	1	5	119	6	9	9			
L21-01	71.00	72.00	29	0.1	47	1	0.1	0.19	0.5	5	214	54	1	96	41	0.25	886	4.17	2.7	0.27	2.99	0.25	141	5.49	5	0.5	0.188	0.032	8	43	0.23	10	0.5	1	5	103	7	6	6				
L21-01	72.00	73.00	42	0.1	42	1	0.1	0.18	0.5	5	213	55	1	70	42	0.25	796	3.46	1.72	0.05	1.93	0.25	191	5.67	5	0.5	0.171	0.033	7	58	0.26	10	0.5	1	5	107	7	7	7				
L21-01	73.00	74.00	34	0.1	34	1	0.1	0.43	0.5	5	191	116	1	80	40	0.25	851	2.74	2.06	0.18	1.86	0.25	268	4.56	5	0.5	0.118	0.027	4	35	0.12	10	0.5	1	5	122	5	6	6				
L21-01	74.00	75.00	11	0.1	41	1	0.1	0.53	0.5	5	160	84	1	109	43	0.25	1090	2.62	3.27	0.05	3.33	0.25	279	8.16	10	1	5	0.085	0.036	7	25	0.32	10	0.5	1	5	138	7	9	9			
L21-01	75.00	76.00	30	0.1	34	1	0.1	0.42	0.5	5	160	84	1	96	49	0.25	957	3.35	3.08	0.05	2.88	0.25	282	6.36	5	2	5	0.084	0.033	7	25	0.33	10	0.5	1	5	120	9	8	8			
L21-01	76.00	77.00	26	0.2	74	1	0.1	0.53	0.5	5	137	70	1	97	49	0.25	957	3.35	3.08	0.05	2.88	0.25	286	7.98	5	2	5	0.085	0.032	11	47	0.35	10	0.5	1	5	143	10	9	9			
L21-01	77.00	78.00	26	0.2	74	1	0.1	0.53	0.5	5	137	70	1	97	49	0.25	957	3.35	3.08	0.05	2.88	0.25	124	7.71	10	2	5	0.046	0.005	10	96	0.39	10	0.5	1	5	166	11	9	9			
L21-01	78.00	79.00	19	0.1	55	4	0.1	0.29	0.5	5	230	76	1	8	49	0.25	1060	3.08	1.51	0.34	2.77	0.25	0.5	6.82	10	0.5	0.5	0.15	0.047	11	63	0.36	10	0.5	1	5	182	13	10	10			
L21-01	79.00	80.00	32	0.2	90	4	0.1	0.34	0.5	5	18	324	89	1	9	53	0.25	1130	3.39	1.54	0.24	2.95	0.25	2	10.2	10	1	5	0.128	0.045	11	70	0.29	10	0.5	1	5	177	13	10			
L21-01	80.00	81.00	71	0.3	1340	4	1	1.7	0.5	5	90	123	1	12	43	0.25	1070	3.14	1.88	0.39	2.93	0.25	1	9.55	10	0.5	0.058	0.041	10	40	0.24	10	0.5	1	5	164	10	13	13				
L21-01	81.00	82.00	78	0.7	1380	5	1	2.1	0.5	5	119	118	1	19	69	0.25	1040	2.96	2.32	0.15	3.02	0.25	1	9.99	10	2	5	0.091	0.057	11	29	0.2	10	0.5	1	5	171	11	18				
L21-01	82.00	83.00	14	0.5	68	5	2	0.34	0.5	5	36	191	126	1	11	52	0.25	982	2.46	2.26	0.19	3.72	0.25	2	10.1	10	1	5	0.203	0.051	10	24	0.25	10	0.5	1	5	167	13	12			
L21-01	83.00	84.00	21	1.6	47	4	1	0.67	1	5	73	242	94	1	10	49	0.25	843	2.24	1.43	0.35	3.07	0.25	2	10.1	10	1	5	0.201	0.05	11	29	0.2	10	0.5	1	5	166	14	10			
L21-01	84.00	85.00	62	1	36	3	1	0.13	0.5	5	108	154	97	1	9	45	0.25	968	3.08	1.49	0.45	2.93	0.25	1	9.24	10	1	5	0.272	0.048	10	26	0.23	10	0.5	1	5	167	15	12			
L21-01	85.00	86.00	33	0.4	74	4	2	1.03	0.5	5	71	284	86	1	15	52	0.25	901	2.53	1.44	0.38	2.67	0.25	1	9.74	10	1	5	0.203	0.044	9	23	0.19	10	0.5	1	5	164	12	15			
L21-01	86.00	87.00	63	0.4	553	5	1	1.57	0.5	5	60	278	118	1	37	44	0.25	888	1.66	3.23	0.26	2.5	0.25	22	9.74	10	2	5	0.088	0.046	15	14	0.18	10	0.5	1	5	155	15	13			
L21-01	87.00	88.00	100.00	10.00	17	0.3	0.225	0.5	1	0.73	3	5	5	178	102	1	208	72	0.23	1400	0.17	2.74	0.02	4.33	5	0.25	228	119	10	2	5	0.023	0.022	26	3	0.14	10	0.5	1	5	230	10	10
L21-01	88.00	89.00	102.00	10.00	15	0.4	0.26	0.5	1	1.1	6	10	5	170	60	0.25	774	0.99	2.67	0.03	2.6	0.25	267	5.76	5	0.5	0.016	0.016	36	3	0.28	10	0.5	1	5	209	11	12	12				
L21-01	89.00	90.00	103.00	10.00	15	0.4	0.26	0.5	1	1.1	6	10	5	170	60	0.25	774	0.99	2.67	0.03	2.6	0.25	267	5.76	5	0.5	0.016	0.016	36	3	0.28	10	0.5	1	5	209	11	12	12				
L21-01	90.00	91.00	104.00	10.00	15	0.4	0.26	0.5	1	1.1	6	10	5	170	60	0.25	774	0.99	2.67	0.03	2.6	0.25	267	5.76	5	0.5	0.016	0.016	36	3	0.28	10	0.5	1	5	209	11	12	12				
L21-01	91.00	92.00	105.00	10.00	25	0.5	0.22	0.3	0.32	3	5	200	131	88	54	13	28	0.25	775	5.32	2.25	0.83	1.72	0.25	377	3.91	5	0.5	0.31	0.083	0.137	5	27	0.16	10	0.5	1	5	73	7	5		
L21-01	92.00	93.00	21	0.2	8	3	1	0.1	0.5	5	200	131	88	54	13	28	0.25	775	5.32	2.25	0.83	1.72	0.25	377	3.91	5	0.5	0.31	0.083	0.137	5	27	0.16	10	0.5	1	5	73	7	5			
L21-01	93.00	94.00	102.00	10.00	12	0.2	0.06	0.5	1	0.26	0.5	116	38	23	204	26	0.25	475	3.46	2.92	0.41	2.09	0.25	432	3.58	5	0.5	0.5	0.122	0.036	4	23	0.11	10	0.5	1	5	84	10	1			
L21-01	94.00	95.00	109.00	10.00	352	3.1	31	1	0.32	0.5	5	161	256	93	9	109	46	0.25	828	1.92	1.38	0																					













DDH	From	To	ngAs	ppbAg	ppbAs	ppbB	ppbBi	ppbM	ppbMo	ppbP	ppbS	ppbSe	ppbSn	ppbTl	ppbV	ppbW	ppbZn	ppbZr	ppbBa	ppbCa	ppbCd	ppbCo	ppbCr	ppbCu	ppbFe	ppbGa	ppbHg	ppbIa	ppbK	ppbMg	ppbNa	ppbNi	ppbPb	ppbSr	ppbTi	ppbTh	ppbU	ppbV	ppbZr		
LM21-01	88	14	0.1	1	1	1	0.11	5	5	14	140	38	1	24	26	0.25	639	2.38	1.31	0.17	1.87	5	0.25	18	4.04	5	0.5	5	0.235	0.023	13	14	0.22	10	5	1	5	106	8	7	
LM21-22	24	25	12	0.4	2	1	1	0.11	2	5	119	40	95	6	84	29	0.25	659	1.79	1.51	1.43	2.36	5	0.25	79	4.04	5	0.5	5	0.181	0.023	13	26	0.25	10	3	1	5	100	10	12
LM21-23	26	27	82	1.4	28	3	1	0.14	5	26	82	64	8	88	58	0.25	629	1.16	1.48	0.83	2.04	5	0.25	90	6.54	5	0.5	5	0.171	0.031	8	30	0.27	10	1	1	5	114	8	10	
LM21-24	27	28	156	1.3	16	3	1	0.14	5	37	41	98	10	4	81	26	0.25	629	0.87	1.48	0.83	2.04	5	0.25	61	4.12	5	0.5	5	0.171	0.031	8	30	0.27	10	1	1	5	114	8	10
LM21-25	28	29	0.1	8	1	1	0.14	0.5	5	17	28	27	4	4	2	0.25	241	1.64	0.67	0.61	1.74	5	0.25	61	0.84	5	0.5	11	0.116	0.003	0.5	21	0.02	2	1	11	4	1	5	21	23
LM21-26	29	30	146	0.3	269	1	1	0.33	0.5	5	14	30	21	2	3	0.25	212	0.63	0.89	0.65	1.72	5	0.25	6	2	1.19	5	0.5	13	0.097	0.012	0.5	15	0.02	10	1	5	3	4	19	20
LM21-27	30	31	62	1.2	12	1	1	0.12	5	46	1	2	46	4	4	0.25	71	0.25	0.71	0.25	1.44	5	0.25	6	2	1.19	5	0.5	14	0.097	0.012	0.5	15	0.02	10	1	5	3	4	19	20
LM21-28	31	32	2000	1.5	12	1	1	1.31	0.5	5	16	6	30	21	8	0.25	192	0.41	0.71	0.55	1.42	5	0.25	2	2.15	5	0.5	13	0.087	0.012	0.5	15	0.02	10	1	5	3	4	19	20	
LM21-29	32	33	176	0.3	300	1	1	0.26	10	5	66	25	114	6	84	41	0.25	613	1.43	1.30	0.73	2.13	5	0.25	107	6.52	10	0.5	0.145	0.031	14	28	0.21	10	3	1	5	146	6	14	
LM21-30	33	34	134	1.3	14	3	1	0.08	0.5	5	28	56	154	3	3	0.25	98	2.4	2.4	1.09	2.68	5	0.25	62	8.02	5	0.5	0.208	0.008	9	40	0.32	10	4	1	5	137	8	23		
LM21-31	34	35	326	0.9	60	1	1	0.51	2	5	30	59	32	16	30	17	0.25	417	1.33	1.49	0.99	2.73	5	0.25	39	2.77	5	0.5	0.199	0.012	3	26	0.1	10	2	1	5	51	5	14	
LM21-32	35	36	20	0.3	18	1	1	0.26	1	5	41	49	19	34	20	0.25	605	1.96	1.28	0.22	3.14	5	0.25	56	3.71	5	0.5	0.153	0.014	10	23	0.18	10	4	1	5	84	6	16		
LM21-33	36	37	6	0.2	29	4	1	0.22	1	5	26	19	49	18	19	12	0.25	421	1.41	0.92	0.85	1.44	5	0.25	36	2.51	5	0.5	0.084	0.011	15	31	0.11	14	1	5	52	6	23		
LM21-34	37	38	54	1	22	2	1	0.08	0.5	5	98	32	79	31	66	23	0.25	883	1.86	2.15	0.28	2.38	5	0.25	75	4.74	5	0.5	0.06	0.02	14	15	0.19	2	1	14	105	7	27		
LM21-35	38	39	587	4.5	41	4	1	0.26	3	5	26	162	89	20	20	0.25	996	4.36	2.21	0.34	1.27	5	0.25	107	6.42	5	0.5	0.055	0.023	14	125	0.11	10	5	5	85	4	13			
LM21-36	40	41	160	6.1	167	2	1	0.21	8	5	483	169	22	70	5	564	1.86	1.46	0.02	1.4	5	0.25	201	6.05	5	0.5	0.14	0.119	0.045	7	24	0.09	10	2	1	5	46	9	36		
LM21-37	42	43	112	1.3	22	1	1	0.26	3	5	5	203	23	17	10	0.6	333	1.38	0.02	1.46	5	0.25	113	5.04	5	0.5	0.159	0.097	0.017	9	12	0.07	10	0.5	1	5	123	7	33		
LM21-38	44	45	112	8.1	1	3	1	0.26	4.2	5	28	56	154	3	3	0.25	150	5.23	2.4	0.19	2.22	5	0.25	26	8.02	5	0.5	0.077	0.021	11	189	0.12	0.5	1	5	125	9	23			
LM21-39	49	50	22	3.9	2	1	1	1.03	134	5	54	248	212	27	31	38	0.9	1020	3.6	1.73	0.28	1.35	5	0.25	18	8.6	5	0.5	0.104	0.091	11	148	0.13	10	1	1	5	176	9	16	
LM21-40	50	51	15	4.1	1	4	1	1.22	25	153	40	372	202	15	50	16	0.25	1160	3.23	2.85	0.19	2.22	5	0.25	24	10.2	5	0.5	0.093	0.008	19	91	0.13	4	1	5	168	9	21		
LM21-41	52	53	129	6.1	4	3	1	0.58	30	5	34	705	154	12	68	16	0.25	1120	3.09	2.48	0.23	1.98	5	0.25	22	11.6	5	0.5	0.083	0.1	18	69	0.13	10	0.5	1	5	201	8	22	
LM21-42	52	53	47	7	7	1	1	0.81	131	5	33	915	99	5	77	39	0.25	301	1.22	0.83	0.13	0.88	5	0.25	26	4.21	5	0.5	0.14	0.091	0.045	7	30	0.1	10	0.5	1	5	103	6	27
LM21-43	53	54	155	6.5	4	1	1	0.95	128	5	45	908	136	12	62	10	0.25	951	2.71	1.37	0.33	1.31	5	0.25	62	6.36	5	0.5	0.15	0.102	0.005	5	3	0.07	10	0.5	1	5	80	5	23
LM21-44	53	54	212	1	74	4	1	0.08	0.5	5	110	14	92	4	195	30	0.25	1050	3.47	4.19	0.24	1.59	5	0.25	62	4.96	5	0.5	0.042	0.233	13	321	0.07	10	0.5	1	5	103	6	27	
LM21-45	72	73	44	0.4	37	2	1	0.09	0.5	5	136	9	107	5	224	29	0.6	1160	6.71	4.41	0.29	1.17	5	0.25	532	4.9	5	0.5	0.044	0.046	15	426	0.07	10	0.5	1	5	64	8	3	
LM21-46	73	74	139	0.2	3	2	1	0.36	2	5	24	118	66	4	31	62	0.25	118	6.6	1.28	0.22	1.62	5	0.25	63	0.48	5	0.5	0.012	0.005	5	12	0.05	10	0.5	1	5	44	7	3	
LM21-47	74	75	1270	1.2	28	1	1	0.19	0.5	5	13	30	11	6	5	0.25	2340	10	0.93	0.01	0.26	5	0.25	5	4.57	5	0.5	0.013	0.006	6	201	0.005	10	4	1	5	10	3	3		
LM21-48	75	76	10	0.5	10	1	1	0.06	0.5	5	2	20	10	2	20	0.25	10	0.25	0.25	0.25	0.25	5	0.25	5	0.25	5	0.5	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
LM21-49	75	76	546	5.6	6	1	2	1.02	13	5	11	246	156	19	34	38	0.25	1010	10	0.45	0.08	2.76	5	0.25	17	9.92	5	0.5	0.023	0.111	15	190	0.07	10	0.5	1	5	154	7	10	
LM21-50	77	78	832	1.7	99	4	1	0.71	13	5	95	327	146	34	34	59	0.5	1050	5.62	0.32	0.44	2.48	5	0.25	17	8.45	5	0.5	0.18	0.087	0.092	13	82	0.13	10	0.5	1	5	152	9	17
LM21-51	78	79	1000	2.9	100	1	1	0.21	91	5	28	166	75	10	37	35	0.25	675	2.14	2.06	0.88	2.74	5	0.25	34	6.24	5	0.5	0.153	0.031	13	25	0.15	10	0.5	1	5	142	5	10	
LM21-52	80	81	480	7.2	29	1	1	0.25	92	67	41	98	3	56	20	0.25	961	0.43	2.35	0.25	1.44	5	0.25	86	4.48	5	0.5	0.08	0.014	12	17	0.17	10	0.5	1	5	164	4	10		
LM21-53	82	83	0.2	9	1	1	0.04	1.5	5	74	6	1	3	0.04	1.29	0.51	0.41	0.32	5	0.25	62	5.07	5	0.25	38	0.067	0.046	2	45	0.1	1	5	2	32	3	15	5	9			
LM21-54	17	18	5	0.6	5	1	1	0.41	0.5	5	14	37	66	43	26	13	0.25	476	2.13	1.01	0																				

DDH	From	To	ngpa Au	ngpa Ag	ngpa Cu	ngpa Pb	ngpa Zn	ngpa Co	ngpa Ni	ngpa Mn	ngpa G	ngpa P	ngpa S	ngpa R	ngpa Zn	ngpa T	ngpa U	ngpa V	ngpa W	ngpa X	ngpa Y	ngpa Z	ngpa AA	ngpa AB	ngpa AC	ngpa AD	ngpa AE	ngpa AF	ngpa AG	ngpa AH	ngpa AI	ngpa AJ	ngpa AK	ngpa AL	ngpa AM	ngpa AN	ngpa AO	ngpa AP	ngpa AQ	ngpa AR	ngpa AS	ngpa AT	ngpa AU
LM21-01	62	63	96	0.1	21	1	1	0.7	3	5	34	146	38	4	50	28	0.25	403	1.93	1.7	0.45	3.07	0.25	65	4.6	5	0.5	0.202	0.027	12	41	0.18	10	1	5	12	89	9	16				
LM21-24	63	64	222	0.3	71	3	1	0.26	2	5	10	119	49	1	66	41	0.25	543	2.32	2.16	0.15	3.4	0.25	89	5.34	5	0.5	0.274	0.038	16	33	0.22	10	0.5	1	5	124	8	6				
LM21-24	64	65	34	0.3	75	1	1	0.17	0.5	5	11	111	39	1	58	38	0.25	510	2.56	1.98	0.16	3.19	0.25	81	4.86	5	0.5	0.271	0.037	16	30	0.22	10	4	1	5	120	8	5				
LM21-24	65	66	60	0.3	207	3	2	1.17	2	5	21	156	52	1	66	41	0.25	427	1.15	0.79	0.32	2.42	0.25	68	5.65	5	0.5	0.232	0.038	17	19	0.23	10	1	5	136	9	6					
LM21-24	66	67	13	0.1	62	1	1	0.09	6	5	5	67	50	1	58	40	0.25	650	2.43	2.05	0.1	2.77	0.25	91	4.84	5	0.5	0.227	0.039	16	24	0.28	10	4	1	5	131	10	8				
LM21-24	67	68	281	0.3	402	3	1	0.56	2	5	16	109	45	1	65	31	0.25	965	2.06	1.89	0.28	2.72	0.25	89	4.88	5	0.5	0.244	0.041	16	29	0.28	10	4	2	5	138	11	11				
LM21-24	68	69	13	0.1	62	1	1	0.07	0.5	5	5	65	48	1	58	40	0.25	644	1.65	1.65	0.23	2.33	0.25	83	4.73	5	0.5	0.181	0.032	14	22	0.21	10	4	1	5	105	9	11				
LM21-24	69	70	16	0.4	11	8	0.24	2	5	37	162	55	1	54	34	0.25	618	2.15	2.16	0.65	3.06	0.25	91	5.53	5	0.5	0.229	0.039	16	26	0.26	10	3	1	5	133	10	7					
LM21-24	70	71	23	0.7	2	1	0.1	0.1	5	20	132	60	1	52	32	0.25	637	0.7	0.7	0.25	1.12	0.25	82	5.12	5	0.5	0.152	0.037	14	17	0.27	10	2	1	5	134	10	9					
LM21-24	71	72	8	0.2	6	1	0.1	0.1	5	15	68	54	1	47	28	0.25	698	2.08	1.84	0.24	2.18	0.25	90	5.08	5	0.5	0.185	0.038	18	9	0.23	10	0.5	1	5	131	10	9					
LM21-24	72	73	17	0.2	19	2	1	0.14	5	11	91	47	1	47	32	0.25	690	2.65	1.64	0.18	2.41	0.25	82	4.82	5	0.5	0.232	0.038	18	23	0.24	10	4	1	5	131	10	7					
LM21-24	73	74	106	0.3	108	4	1	0.18	5	42	108	54	1	46	46	0.25	696	1.4	1.4	0.25	1.44	0.25	84	4.32	4	0.5	0.232	0.038	14	14	0.24	10	1	5	136	11	10						
LM21-24	74	75	10	0.2	36	1	2	0.85	8	5	24	79	61	5	44	28	0.5	662	3.23	1.6	0.64	2.6	0.25	76	4.87	5	0.5	0.23	0.038	14	26	0.21	10	0.5	1	5	115	11	13				
LM21-24	75	76	17	0.1	0.4	1	1.41	15	5	103	76	19	1	59	40	0.25	780	2.25	2.27	0.37	3.24	0.25	113	7.34	10	0.5	0.159	0.038	16	34	0.1	5	5	136	12	16							
LM21-24	76	77	11	0.4	5	2	1.09	5	5	33	76	48	1	40	32	0.25	631	2.21	1.61	0.9	2.4	0.25	65	4.87	5	0.5	0.151	0.027	12	21	0.24	10	2	1	5	110	11	10					
LM21-24	77	78	17	0.4	11	1	0.28	2	5	67	84	60	1	67	33	0.25	879	2.28	2.39	1.76	3.7	0.25	113	7.38	5	0.5	0.174	0.02	14	36	0.3	10	0.5	1	5	137	8	9					
LM21-24	78	79	83	0.3	14	2	1.18	10	5	43	86	60	5	68	30	0.25	780	2.25	2.18	0.28	2.97	0.25	122	5.66	5	0.5	0.18	0.024	16	27	0.27	10	2	1	5	137	8	15					
LM21-24	79	80	84	0.3	8	1	0.36	3	5	39	63	61	1	70	32	0.25	733	2.36	1.97	0.57	2.68	0.25	116	5.03	5	0.5	0.232	0.03	16	21	0.27	10	1	1	5	123	9	11					
LM21-24	80	81	7	0.4	1	1	0.28	27	5	28	99	57	2	71	31	0.25	744	2.73	2.22	0.62	2.99	0.25	115	5.25	5	0.5	0.204	0.028	16	20	0.28	10	1	5	125	8	10						
LM21-24	81	82	89	0.3	88	2	0.22	12	5	42	104	54	7	58	24	0.8	701	1.93	1.83	0.26	2.55	0.25	82	4.8	5	0.5	0.144	0.05	9	22	0.17	10	0.5	1	5	85	6	15					
LM21-24	82	83	992	1.4	8	1	2	1.37	31	5	80	107	64	1	113	37	0.25	748	2.51	2.46	0.7	3.9	0.25	125	6.24	5	0.5	0.243	0.027	13	39	0.26	10	4	1	5	122	8	17				
LM21-24	83	84	90	0.1	91	7	0.28	12	5	70	154	38	6	72	21	0.25	443	1.13	1.5	0.6	2.15	0.25	82	4.56	5	0.5	0.256	0.016	8	29	0.17	10	0.5	1	5	81	7	21					
LM21-24	84	85	92	0.2	4	1	1	0.05	2	5	25	33	45	3	50	21	0.25	673	0.84	0.33	0.43	2.43	0.25	73	3.4	5	0.5	0.121	0.015	8	15	0.16	10	0.5	1	10	68	6	7				
LM21-24	85	86	16	0.3	4	1	1	0.14	16	5	21	58	42	1	81	29	0.25	578	2.07	1.9	0.2	2.39	0.25	89	4.24	5	0.5	0.211	0.028	13	23	0.22	10	4	1	5	98	6	14				
LM21-24	86	87	106	10	10	4	3	0.18	5	5	48	52	70	4	74	28	0.25	634	2.18	1.5	0.29	1.65	0.25	82	3.57	5	0.5	0.152	0.024	10	32	0.21	10	2	1	5	75	7	4				
LM21-24	87	88	225	0.5	8	1	1	0.18	2	5	37	68	26	5	2	3	0.25	88	2.63	0.12	0.02	0.3	0.25	31	6.09	5	0.5	0.113	0.008	10	32	0.03	10	3	1	5	12	6	21				
LM21-24	88	89	109	0.8	26	1	1	0.18	2	5	43	68	39	1	1	2	0.25	88	1.8	0.74	0.23	0.86	0.25	76	4.89	5	0.5	0.083	0.008	10	3	1	22	27	6	32	6	5					
LM21-24	89	90	109	0.8	26	1	1	0.18	2	5	43	68	39	1	1	2	0.25	88	1.8	0.74	0.23	0.86	0.25	76	4.89	5	0.5	0.186	0.031	13	42	0.3	10	2	1	5	111	7	5				
LM21-24	90	91	79	0.5	1	1	0.28	12	5	12	112	61	1	59	40	0.25	682	1.81	0.62	0.25	1.82	0.25	85	4.82	5	0.5	0.248	0.009	10	32	0.03	10	3	1	5	107	8	10					
LM21-24	91	92	60	0.2	4	1	1	0.05	2	5	22	32	45	1	76	29	0.25	839	2.64	2.36	1.78	2.78	0.25	73	4.56	5	0.5	0.131	0.027	11	21	0.24	10	2	1	5	104	7	13				
LM21-24	92	93	106	11	0.5	4	3	0.18	5	5	32	65	14	9	1	2	0.25	661	0.2	0.73	0.5	1.08	0.25	2	0.61	5	0.5	0.038	0.003	0.5	7	0.01	10	0.5	1	5	4	3	21				
LM21-24	93	94	106	10	10	4	3	0.18	5	5	32	65	14	9	1	2	0.25	661	0.2	0.73	0.5	1.08	0.25	2	0.61	5	0.5	0.038	0.003	0.5	7	0.01	10	0.5	1	5	4	3	21				
LM21-24	94	95	122.5	12.5	2470	4	76	4	1	5	49	71	78	11	89	28	0.5	722	3.91	2.67	0.55	2.14	0.25	127	6.44	5	0.5	0.056	0.022	15	54	0.18	10	2	1	5	124	7	5				
LM21-24	95	96	122.5	12.5	2470	4	76	4	1	5	49	71	78	11	89	28	0.5	722	3.91	2.67	0.55	2.14	0.25	127	6.44	5	0.5	0.056	0.022	15	54	0.18	10	2	1	5	124	7	5				
LM21-24	96	97	122.5	12.5	2470	4	76	4	1	5	49	71	78	11	89	28	0.5	722	3.91	2.67	0.55	2.14	0.25	127	6.44																		

DDH	From	To	ng	ngA	ngB	ngC	ngD	ngE	ngF	ngG	ngH	ngI	ngJ	ngK	ngL	ngM	ngN	ngO	ngP	ngQ	ngR	ngS	ngT	ngU	ngV	ngW	ngX	ngY	ngZ	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR	AS	AT	AU
LM21-01	34	36	242	0.6	16	2	0.11	16	5	13	93	63	1	57	34	0.25	698	224	1.55	1.66	2.37	0.25	76	4.75	0.5	0.23	0.037	14	29	29	0.5	5	2.33	0.037	14	29	29	0.5	5	118	9	5	118	9	5	118	9	5		
LM21-02	36	37	246	0.5	18	2	0.17	6	5	15	118	68	1	77	42	0.25	728	215	1.65	1.4	2.59	0.25	74	5.59	0.5	0.188	0.037	12	30	0.3	10	1	5	0.188	0.037	12	30	0.3	10	1	5	108	7	5	108	7	5			
LM21-03	37	38.5	139	0.4	18	1	0.16	8	5	5	100	53	1	58	33	0.25	624	217	1.61	0.1	2.43	0.25	66	4.58	0.5	0.5	0.214	0.037	12	27	0.24	10	0.5	1	0.214	0.037	12	27	0.24	10	0.5	1	103	7	5	103	7	5		
LM21-04	38.5	39.5	67	0.4	22	2	0.37	5	20	5	133	51	3	64	25	0.25	590	211	1.61	0.08	2.1	0.25	64	4.64	0.5	0.5	0.197	0.038	11	27	0.2	0.5	1	0.197	0.038	11	27	0.2	0.5	1	100	6	4	100	6	4				
LM21-05	39.5	40.25	190	1.2	171	1	0.73	6	5	5	164	53	1	70	41	0.25	625	208	1.42	0.09	2.23	0.25	70	5.07	0.5	0.5	0.177	0.035	12	33	0.27	10	2	1	0.177	0.035	12	33	0.27	10	2	1	106	8	5	106	8	5		
LM21-06	40.25	41.25	159	0.3	93	3	0.1	3	1	5	30	24	9	7	10	0.25	268	0.49	0.23	0.08	1.47	0.25	5	1.47	0.5	0.5	0.30	0.032	2	20	0.1	3	0.5	0.30	0.032	2	20	0.1	3	0.5	1	16	6	16	6	16				
LM21-07	41.25	42.25	141	0.1	10	1	0.19	0.5	5	2	32	10	5	7	6	0.25	281	1.11	0.48	0.19	1.71	0.25	5	1.29	0.5	0.5	0.31	0.058	1	32	0.02	3	0.5	0.31	0.058	1	32	0.02	3	0.5	13	13	13	13	13					
LM21-08	42.25	43.25	2.5	0.1	15	1	0.17	0.5	5	2	25	11	5	6	6	0.25	223	0.7	0.37	0.13	0.9	0.25	7	1.29	0.5	0.5	0.29	0.003	0.033	2	51	0.1	10	4	0.5	0.29	0.003	0.033	2	51	0.1	10	4	0.5	14	5	14	5	14	
LM21-09	43.25	44.25	6	0.1	14	1	0.18	0.5	5	2	30	20	3	6	2	0.25	211	0.82	0.23	0.13	1.08	0.25	5	1.29	0.5	0.5	0.3	0.039	0.032	1	44	0.02	10	0.5	0.3	0.039	0.032	1	44	0.02	10	0.5	13	13	13	13	13			
LM21-10	44.25	45.25	5	0.1	12	1	0.21	0.5	5	2	29	7	11	3	5	0.25	241	0.67	0.39	0.15	0.9	0.25	4	1.28	0.5	0.5	0.32	0.007	0.035	2	44	0.1	10	5	0.32	0.007	0.035	2	44	0.1	10	5	13	5	13	5	13			
LM21-11	45.25	46.25	10	0.1	11	1	0.2	1	5	2	29	6	20	15	3	0.25	210	0.75	0.3	0.15	0.74	0.25	4	1.16	0.5	0.5	0.32	0.066	0.031	2	40	0.09	10	0.5	1	0.32	0.066	0.031	2	40	0.09	10	0.5	1	10	7	10	7	10	
LM21-12	46.25	47	1140	0.2	1	1	0.26	0.5	5	2	23	2	23	2	2	0.25	227	0.74	0.21	0.25	1.44	0.25	3	1.13	0.5	0.5	0.27	0.049	0.031	0.5	27	0.06	10	3	0.5	0.27	0.049	0.031	0.5	27	0.06	10	3	0.5	8	6	8	6		
LM21-13	47	47.61	1320	0.4	93	1	0.31	0.5	5	25	5	141	9	3	7	0.25	227	0.84	0.36	0.21	0.87	0.25	3	1.11	0.5	0.5	0.27	0.049	0.031	0.5	27	0.06	10	3	0.5	0.27	0.049	0.031	0.5	27	0.06	10	3	0.5	8	6	8	6		
LM21-14	48.5	49.5	150	0.7	37	3	0.39	0.5	5	24	2	3	3	3	3	0.25	232	1.12	0.37	0.3	1.3	0.25	3	1.44	0.5	0.5	0.23	0.039	0.032	0.5	20	0.04	10	3	0.5	0.23	0.039	0.032	0.5	20	0.04	10	3	0.5	6	5	6	5		
LM21-15	49.5	50.5	55	0.4	34	1	0.27	1	5	27	10	69	5	5	5	0.25	207	0.85	0.25	0.2	1.04	0.25	3	1.07	0.5	0.5	0.28	0.051	0.033	1	44	0.06	10	3	0.5	0.28	0.051	0.033	1	44	0.06	10	3	0.5	9	6	9	6		
LM21-16	50.5	51.52	3546	1.2	150	11	1.37	7	5	14	6	39	8	11	9	0.25	460	1.1	0.86	0.25	1.98	0.25	8	2.18	0.5	0.5	0.16	0.015	0.026	2	18	0.06	10	3	0.5	0.16	0.015	0.026	2	18	0.06	10	3	0.5	14	5	14	5		
LM21-17	51.52	52.5	70	0.1	20	1	0.28	0.5	5	24	7	33	14	3	5	0.25	251	0.63	0.52	0.24	1.18	0.25	4	1.12	0.5	0.5	0.27	0.071	0.032	0.5	23	0.08	10	3	0.5	0.27	0.071	0.032	0.5	23	0.08	10	3	0.5	9	6	9	6		
LM21-18	52.5	53.5	2002	1.4	234	1	0.44	0.5	5	29	5	37	16	2	5	0.25	329	1.31	0.76	0.3	1.43	0.25	2	1.27	0.5	0.5	0.24	0.045	0.024	0.5	23	0.04	10	0.5	1	0.24	0.045	0.024	0.5	23	0.04	10	0.5	1	5	5	19			
LM21-19	53.5	53.52	22	0.1	12	1	0.3	2	5	33	2	34	9	5	6	0.25	296	0.82	0.54	0.33	1.2	0.25	3	1.1	0.5	0.5	0.27	0.029	0.023	0.5	18	0.05	10	0.5	1	0.27	0.029	0.023	0.5	18	0.05	10	0.5	1	5	5				
LM21-20	53.5	54.5	1380	0.7	495	2	0.47	0.5	5	28	3	43	18	6	4	0.25	197	0.74	0.4	0.28	1.18	0.25	3	1.11	0.5	0.5	0.28	0.057	0.03	0.5	25	0.06	10	0.5	1	0.28	0.057	0.03	0.5	25	0.06	10	0.5	1	7	5	17			
LM21-21	54.5	55.5	150	0.5	107	1	0.48	0.5	5	28	10	42	16	3	6	0.25	237	1.23	0.34	0.34	1.04	0.25	2	1.07	0.5	0.5	0.28	0.035	0.025	0.5	20	0.05	10	0.5	1	0.28	0.035	0.025	0.5	20	0.05	10	0.5	1	16	16				
LM21-22	55.5	57.05	65	0.3	17	1	0.27	0.5	5	22	1	39	25	2	4	0.25	203	0.96	0.36	0.29	1.17	0.25	3	0.81	0.5	0.5	0.24	0.066	0.025	0.5	22	0.04	10	0.5	1	0.24	0.066	0.025	0.5	22	0.04	10	0.5	1	5	4	7			
LM21-23	57.05	58.54	1250	0.5	961	1	0.32	0.5	5	22	0.5	51	17	2	4	0.25	176	0.84	0.39	0.37	1.06	0.25	1	0.86	0.5	1	13	0.025	0.04	0.5	9	0.005	0.04	0.5	9	0.005	0.04	0.5	9	0.005	0.04	0.5	17	1	7	28				
LM21-24	58.54	60.34	2580	1.7	2570	9	1.3	3	5	5	78	136	5	85	42	0.25	1230	3.84	2.33	0.1	2.71	0.25	100	7.19	0.5	0.5	0.02	0.033	10	33	0.23	10	4	0.5	0.02	0.033	10	33	0.23	10	4	0.5	116	6	116	6				
LM21-25	60.34	61.5	1500	1.1	1670	9	1.5	2	5	5	80	94	4	83	45	0.25	1250	3.52	2.31	0.19	2.62	0.25	102	7.14	0.5	0.5	0.044	0.032	9	30	0.28	10	4	0.5	0.044	0.032	9	30	0.28	10	4	0.5	133	7	133	7				
LM21-26	61.5	62.43	1	0.2	2	0.02	12	5	5	5	101	68	1	69	43	0.25	1050	1.56	1.18	0.23	1.92	0.25	5	1.92	0.5	0.5	0.195	0.037	5	20	0.28	10	0.5	1	0.195	0.037	5	20	0.28	10	0.5	1	33	9	4					
LM21-27	62.43	63.48	2290	1	504	2	1.41	2	5	11	102	56	7	54	29	0.25	746	2.36	1.26	0.12	1.73	0.25	10	4.54	0.5	0.5	0.083	0.023	9	17	0.21	10	4	0.5	0.083	0.023	9	17	0.21	10	4	0.5	101	8	101	8				
LM21-28	63.48	64.48	1	0.2	2	0.02	12	5	5	67	11	67	1	67	1	0.25	76	0.25	0.25	0.25	1.27	0.25	5	1.95	0.5	0.5	0.12	0.048	0.027	10	48	0.2	10	0.5	0.12	0.048	0.02													









## Assessment Expenses 2021 Drill Program

ITEM	Drill Programs Expenses		
	Spring Program	Fall Program	Spring+Fall
Totals for programs	\$ 1,638,290	\$ 1,688,790	\$ 3,327,080
ITEM			
Geological/Operational Consultatns	\$ 327,907	\$ 283,939	\$ 611,846
Camp Labour	\$ 262,050	\$ 172,536	\$ 434,586
Drill Labour	\$ 214,782	\$ 149,195	\$ 363,977
Drill Supplies	\$ 86,993	\$ 184,191	\$ 271,184
Camp Supplies	\$ 73,426	\$ 22,471	\$ 95,897
Drill rental	\$ 114,146	\$ 279,352	\$ 393,498
Equipment Rental	\$ 34,557	\$ -	\$ 34,557
Actlabs Analytical	\$ 61,554	\$ 70,474	\$ 132,028
Sample Shipment	\$ 17,533	\$ 34,614	\$ 52,147
Camp Food	\$ 46,389	\$ 38,551	\$ 84,940
Fuel	\$ 106,401	\$ 119,856	\$ 226,257
Custom Helicopters Transport	\$ 227,003	\$ 297,562	\$ 524,565
Lodging	\$ 65,550	\$ 36,048	\$ 101,598