2.42385

Argyle Project

2009 Initial Prospecting, Geology, and Sampling Program

Argyle, Bannockburn, Montrose and Hincks Townships,
Larder Lake Mining Division
Northeastern Ontario

NTS 42 A/2 and 41 P/15

Work Period:
June 23, 2009 to July 15, 2009

Prepared for:

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1. Summary

During June and July, Mhakari Resources Inc. completed a prospecting, reconnaissance geology and soil sampling program as the initial phase of exploration within its Argyle Project. The project includes three properties, Argyle, Raven, and Montrose, consisting of over 1,000 unpatented mining claims totalling more than 40,000 acres (Figure 1). They are located approximately 60 kilometres west of Kirkland Lake and 50 kilometres south-southeast of Timmins, Ontario (Figure 1). The properties makeup two contiguous claim blocks (Argyle and Raven being one block and Montrose the other block). The Argyle Project claims are located at the corner intercept of the Argyle, Bannockburn, Montrose and Hincks Townships, within the Larder Lake Mining Division, Northeastern Ontario. The property can be easily accessed by a network of logging roads from Matachewan, via Highway #66 from Kirkland Lake or a series of logging roads south of Timmins.

The Argyle Project gold occurrences are situated along the underexplored western extension of the Larder Lake-Cadillac deformation zone, 17 kilometres west-northwest of Matachewan, Ontario. More than 40 million ounces of gold have been recovered from deposits along the Larder Lake-Cadillac deformation zone and the associated Kirkland Lake fault zone. Approximately 12 kilometres east-southeast of the Argyle Project (Figure 1), Northgate Minerals Corporation has recently announced (July 15, 2009) a positive prefeasibility and an expected production date of early 2012 for its Young-Davidson deposit located along the western extension of the Larder Lake-Cadillac deformation zone. The deposit is reported to contain a proven and probable reserve of 2.8 million ounces contained gold in 31.2 million tonnes with an underground cut off grade of approximately 1.70 g/t and a true thickness of 3 metres. Gold within the Young-Davidson deposit in generally characterized as occurring in shallow dipping quartz veins hosted primarily in altered and brittle deformed syenite, with lesser amounts hosted in altered and brittle deformed ultramafic to felsic metavolcanics and metasedimentary rocks.

Previous exploration work along the western extension of the Larder Lake-Cadillac deformation zone, northwest of Matachewan, has been limited due to historically fragmented mineral exploration properties, limited outcrop exposure, incomplete geological and structural analysis and land tenure issues surrounding the Lands for Life withdrawal. During the past few years, these issues have been resolved and to overcome the lack of bedrock exposure, a promising integrated geophysical and geochemical exploration method has been developed that provides an excellent opportunity to explore for gold deposits within the Argyle Project property.

Results of the recently completed exploration work indicates that the gold occurrences of the Argyle Project can be divided into two geological and structural areas, referred to as the South and North Zones. The primary gold target in both Zones is considered to be a zone with multiple quartz veins with associated sulphides and tellurides hosted in, or along the contacts, of a relatively competent rock (syenite porphyries, porphyries, massive volcanic units, etc.). The quartz veining appears to be a direct a result of open space infillings in response to late stage brittle deformation. The veining may also be related to the formation of a stockwork system related to observed porphyries or the proposed buried intrusion related to the circular metamorphic gradient. Initial results of the integrated geophysical and geochemical surveys has been effective at identifying priority targets and a method that could prove successful at discovering buried gold occurrences. Further gold exploration work with the Argyle Project properties is highly recommended.

2. Property Description and Location

The Argyle Project is located approximately 60 kilometres west of Kirkland Lake and 50 kilometres south-southeast of Timmins, Ontario (Figure 1). It includes three properties, the Argyle property consisting of 27 contiguous claims, the Raven property consisting of 16 contiguous claims, and the Montrose property consisting of 11 contiguous claims (Table 1). The Argyle and Raven properties make one single block of contiguous claims and the Montrose is a separate group of claims (Figure 2). The Argyle and Montrose claims are registered under 2125930 Ontario Limited and the Raven claims are registered under Raven Resources Inc. Mhakari Resources Inc. is a private company with its corporate offices located at 141 Davisville Ave., Suite 506, Toronto, Ontario, M4S 1G7, telephone 416 272-8950.

Figure 1. Location Map

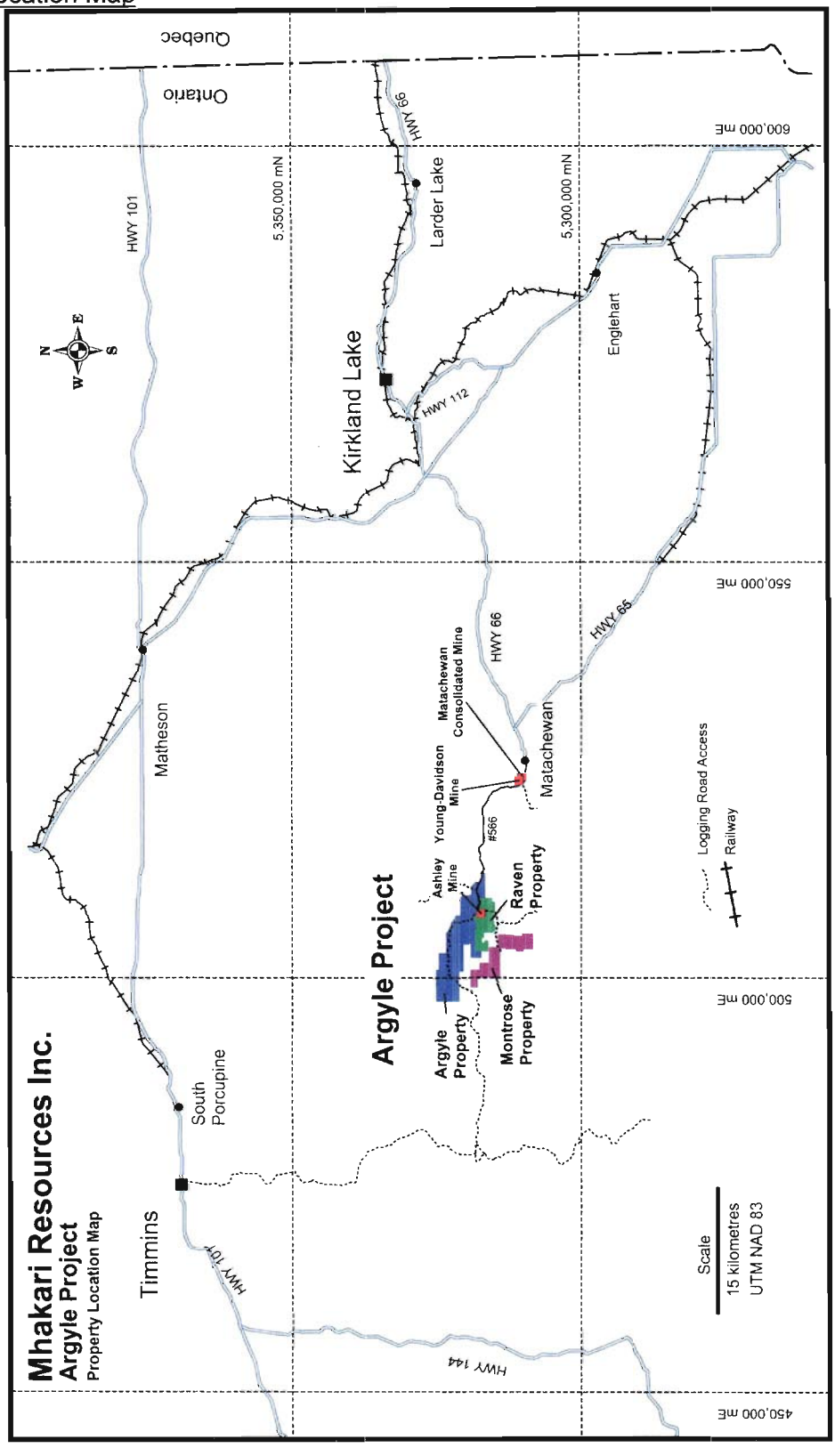


Figure 2. Claim Map

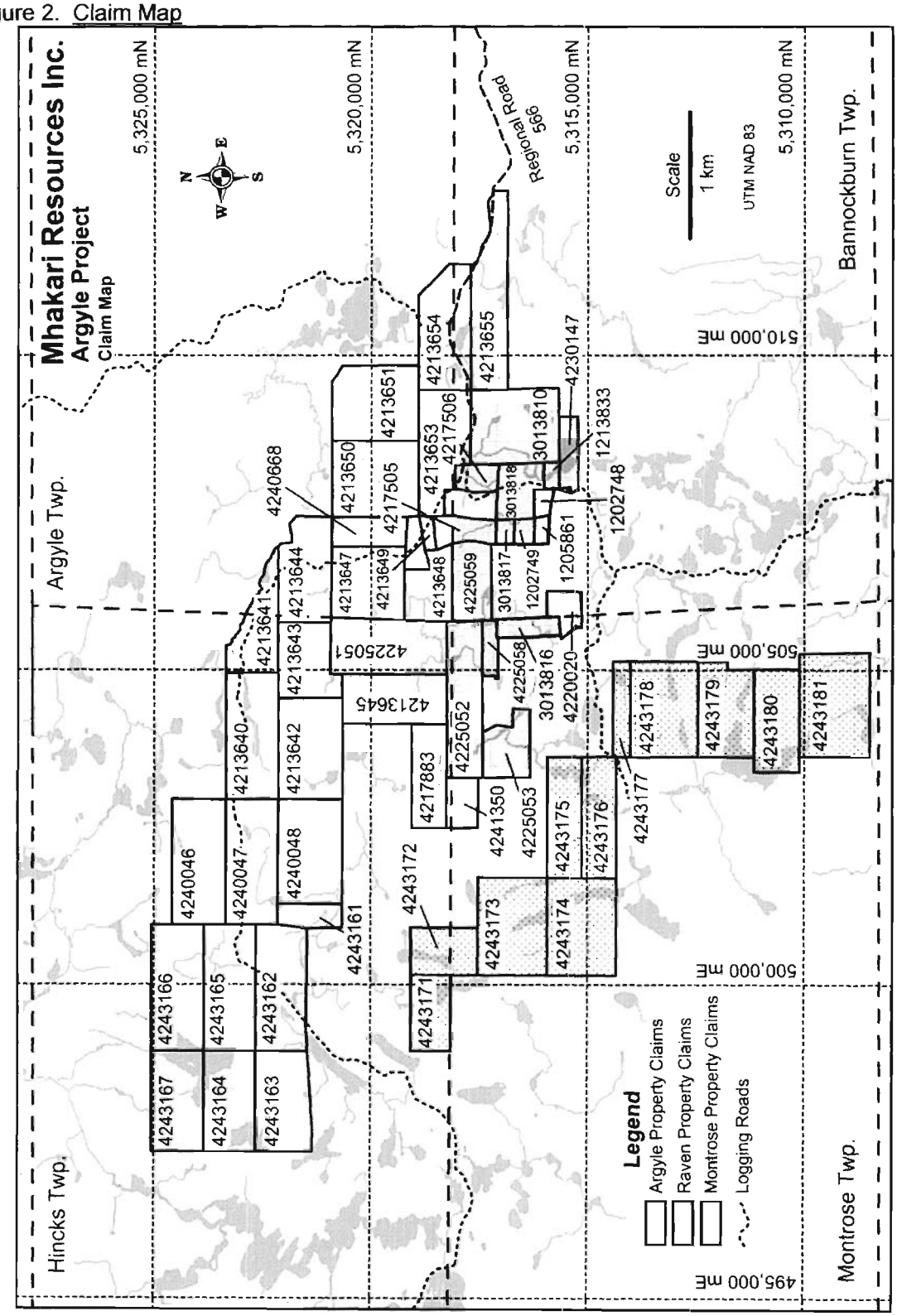


Table 1. Argyle Project List of Mining Claims

Property Name	Claim #	Township	Recording Date	Claim Due Date	Status	Percent Option	Work Required	Total Applied	Total Reserve	Claim Bank	Company
Argyle	4243167	Hincks	2008-Jun-19	2010-Jun-19	A	100%	$4,800	$0	$0	$0	2125930 ONTARIO LIMITED
Argyle	4242164	Hincks	2008-Jun-19	2010-Jun-19	A	100%	$4,800	$0	$0	$0	2125930 ONTARIO LIMITED
Argyle	4243163	Hincks	2008-Jun-19	2010-Jun-19	A	100%	$4,800	$0	$0	$0	2125930 ONTARIO LIMITED
Argyle	4243166	Hincks	2008-Jun-19	2010-Jun-19	A	100%	$6,000	$0	$0	$0	2125930 ONTARIO LIMITED
Argyle	4243165	Hincks	2008-Jun-19	2010-Jun-19	A	100%	$6,000	$0	$0	$0	2125930 ONTARIO LIMITED
Argyle	4243162	Hincks	2008-Jun-19	2010-Jun-19	A	100%	$6,000	$0	$0	$0	2125930 ONTARIO LIMITED
Argyle	4240046	Hincks	2008-May-13	2010-May-13	A	90%	$6,000	$0	$0	$0	2125930 ONTARIO LIMITED
Argyle	4240047	Hincks	2008-Apr-08	2010-Apr-08	A	90%	$6,000	$0	$0	$0	2125930 ONTARIO LIMITED
Argyle	4243161	Hincks	2008-Jun-19	2010-Jun-19	A	100%	$1,600	$0	$0	$0	2125930 ONTARIO LIMITED
Argyle	4240048	Hincks	2008-May-13	2010-May-13	A	90%	$6,000	$0	$0	$0	2125930 ONTARIO LIMITED
Argyle	4213640	Hincks	2008-Mar-10	2010-Mar-10	A	90%	$6,000	$0	$0	$0	2125930 ONTARIO LIMITED
Argyle	4213642	Hincks	2008-Mar-10	2010-Mar-10	A	90%	$5,600	$0	$0	$0	2125930 ONTARIO LIMITED
Argyle	4213645	Hincks	2008-Mar-10	2010-Mar-10	A	90%	$4,800	$0	$0	$0	2125930 ONTARIO LIMITED
Argyle	4217883	Hincks	2008-Apr-08	2010-Apr-08	A	90%	$3,200	$0	$0	$0	2125930 ONTARIO LIMITED
Argyle	4241350	Hincks	2008-Aug-22	2010-Aug-22	A	100%	$1,600	$0	$0	$0	2125930 ONTARIO LIMITED
Argyle	4213641	Hincks	2008-Mar-10	2010-Mar-10	A	90%	$3,600	$0	$0	$0	2125930 ONTARIO LIMITED
Argyle	4213643	Hincks	2008-Mar-10	2010-Mar-10	A	90%	$4,000	$0	$0	$0	2125930 ONTARIO LIMITED
Argyle	4213644	Argyle	2008-Mar-10	2010-Mar-10	A	90%	$4,400	$0	$0	$0	2125930 ONTARIO LIMITED
Argyle	4213647	Argyle	2008-Mar-10	2010-Mar-10	A	90%	$4,800	$0	$0	$0	2125930 ONTARIO LIMITED
Argyle	4213648	Argyle	2008-Mar-10	2010-Mar-10	A	90%	$3,200	$0	$0	$0	2125930 ONTARIO LIMITED
Argyle	4213649	Argyle	2008-Mar-10	2010-Mar-10	A	90%	$800	$0	$0	$0	2125930 ONTARIO LIMITED
Argyle	4213651	Argyle	2008-Mar-10	2010-Mar-10	A	90%	$6,000	$0	$0	$0	2125930 ONTARIO LIMITED
Argyle	4240668	Argyle	2008-May-13	2010-May-13	A	90%	$1,600	$0	$0	$0	2125930 ONTARIO LIMITED
Argyle	4213650	Argyle	2008-Mar-10	2010-Mar-10	A	90%	$6,000	$0	$0	$0	2125930 ONTARIO LIMITED
Argyle	4213653	Argyle	2008-Mar-10	2010-Mar-10	A	90%	$5,200	$0	$0	$0	2125930 ONTARIO LIMITED
Argyle	4213654	Argyle	2008-Mar-10	2010-Mar-10	A	90%	$5,600	$0	$0	$0	2125930 ONTARIO LIMITED
Argyle	4213655	Bannockburn	2008-Mar-10	2010-Mar-10	A	90%	$5,600	$0	$0	$0	2125930 ONTARIO LIMITED
Raven	4225051	Hincks	2007-Jul-16	2009-Jul-16	A	100%	$4,800	$0	$0	$0	Raven Resources Inc.
Raven	4225052	Hincks	2007-Jul-16	2009-Jul-16	A	100%	$4,800	$0	$0	$0	Raven Resources Inc.
Raven	4225053	Montrose	2007-Jul-16	2009-Jul-16	A	100%	$2,800	$0	$0	$0	Raven Resources Inc.
Raven	4225058	Montrose	2008-Feb-20	2010-Feb-20	A	100%	$1,200	$0	$0	$0	Raven Resources Inc.
Raven	3013816	Montrose	2004-Apr-05	2010-Apr-05	A	100%	$1,600	$6,400	$0	$0	Raven Resources Inc.
Raven	4225059	Bannockburn	2008-Feb-20	2010-Feb-20	A	100%	$2,800	$0	$0	$0	Raven Resources Inc.
Raven	4217505	Argyle	2007-Jul-16	2009-Jul-16	A	100%	$1,600	$0	$0	$0	Raven Resources Inc.
Raven	3013817	Bannockburn	2004-Mar-15	2011-Mar-15	A	100%	$331	$2,069	$0	$0	Raven Resources Inc.
Raven	3013818	Bannockburn	2004-Mar-15	2010-Mar-15	A	100%	$2,000	$8,000	$0	$0	Raven Resources Inc.

Property Name	Claim #	Township	Recording Date	Claim Due Date	Status	Percent Option	Work Required	Total Applied	Total Reserve	Claim Bank	Company
Raven	1202748	Bannockburn	1996-May-14	2014-May-14	A	100%	$400	$6,400	$0	$0	Raven Resources Inc.
Raven	1202749	Bannockburn	1996-May-14	2014-May-14	A	100%	$400	$6,400	$0	$0	Raven Resources Inc.
Raven	1205861	Bannockburn	1995-Mar-23	2014-Mar-23	A	100%	$400	$6,800	$16,554	$0	Raven Resources Inc.
Raven	1213833	Bannockburn	1996-Apr-23	2014-Apr-23	A	100%	$400	$6,400	$0	$0	Raven Resources Inc.
Raven	4217506	Bannockburn	2007-Jul-16	2009-Jul-16	A	100%	$1,200	$0	$0	$0	Raven Resources Inc.
Raven	3013810	Bannockburn	2004-Mar-15	2009-Sep-15	A	100%	$6,000	$18,000	$0	$0	Raven Resources Inc.
Raven	4230147	Bannockburn	2008-Mar-14	2010-Mar-14	A	100%	$1,200	$0	$0	$0	Raven Resources Inc.
Montrose	4243171	Hincks	2008-Jul-04	2010-Jul-04	A	90%	$2,400	$0	$0	$0	2125930 ONTARIO LIMITED
Montrose	4243172	Hincks	2008-Jul-04	2010-Jul-04	A	90%	$3,200	$0	$0	$0	2125930 ONTARIO LIMITED
Montrose	4243173	Montrose	2008-Jul-04	2010-Jul-04	A	90%	$6,400	$0	$0	$0	2125930 ONTARIO LIMITED
Montrose	4243174	Montrose	2008-Jul-04	2010-Jul-04	A	90%	$6,400	$0	$0	$0	2125930 ONTARIO LIMITED
Montrose	4243175	Montrose	2008-Jul-04	2010-Jul-04	A	90%	$3,600	$0	$0	$0	2125930 ONTARIO LIMITED
Montrose	4243176	Montrose	2008-Jul-04	2010-Jul-04	A	90%	$3,600	$0	$0	$0	2125930 ONTARIO LIMITED
Montrose	4243177	Montrose	2008-Jul-04	2010-Jul-04	A	90%	$1,600	$0	$0	$0	2125930 ONTARIO LIMITED
Montrose	4243178	Montrose	2008-Jul-04	2010-Jul-04	A	90%	$4,800	$0	$0	$0	2125930 ONTARIO LIMITED
Montrose	4243179	Montrose	2008-Jul-04	2010-Jul-04	A	90%	$4,800	$0	$0	$0	2125930 ONTARIO LIMITED
Montrose	4243180	Montrose	2008-Jul-04	2010-Jul-04	A	90%	$4,800	$0	$0	$0	2125930 ONTARIO LIMITED
Montrose	4243181	Montrose	2008-Jul-04	2010-Jul-04	A	90%	$6,400	$0	$0	$0	2125930 ONTARIO LIMITED

3. Accessibility and Physiography

The Argyle Project can be readily accessed by regional road 566 approximately 17 kilometres from Matachewan (Figure 1) and a network of logging roads from either Matachewan or Timmins. The most recent logging roads are well maintained. Older logging roads exhibit a wide variety of overgrowth from marginal encroachment to completely overgrown. The more overgrown roads are currently restricted to walking and/or ATV access but can be easily opened if required.

Topography varies from modestly rugged terrain dominated by northerly trending ridges to relatively flat sand and gravel plains. The relatively larger flat outwash plains associated with the current drainage of the area are typically devoid of outcrop. Away from the flat plains, bedrock appears to be covered by only a few metres of stony till, resulting in a reasonable amount of outcrop. Significant bedrock exposure is present in areas with modest relief. The area has undergone several generations of logging, including recently.

4. History

After the initial discover of gold at the Young-Davidson gold mine in 1916, gold was discovered at the Ashley Gold Mine in 1931 and the first of a number of gold occurrences within the Argyle Project properties were discovered at the Garvey, Sunisloe, Ezra, McGill and Montrose gold occurrences. Historic trenching is visible at each of the gold occurrences, some of which, has been mechanically stripped during recent decades. Only a limited number of drill holes have been completed near or adjacent to the known gold occurrences, the most (12 drill holes) occurring at the Montrose Gold occurrence, currently held by Galahad Resources Inc.

Historic gold production from the Matachewan area is reported to be 585,690 ounces of gold and 131,989 ounces of silver from the Young-Davidson Mine and 370,427 ounces of gold from the Matachewan Consolidated Gold Mine, adjacent to the Young-Davidson deposit. In addition, during the 1930's, more that 50,000 ounces of gold was mined from the Ashley Gold Mine located within a group of three patented mining claims completely surrounded by the Argyle Project property.

Although gold was discovered and more than 50,000 ounces was mined at the Ashley Gold mine during the 1930's, the Argyle Project area has not undergone any comprehensive geological, structural, mineralogical or gold exploration work. Direct correlation with the gold deposits in the Kirkland and Larder Lake area have been constrained because of its location west of the Huronian sedimentary cover and the limited bedrock exposure. In addition, being situated at the junction of the Argyle, Bannockburn, Montrose and Hincks Townships, and having limited bedrock exposure, has resulted in the previous work typically focused on one or two townships at a time or site specific. Recently published data by the Discover Abitibi Initiative has removed the correlative constraints with the gold deposits in the Kirkland and Larder Lake area (Ayer et. al. 2005).

After the initial exploration and mining work completed by Ashley Gold Mines during the late 1930's, it wasn't until Petromet Resources Limited acquired the property and completed geological, geophysical, trenching, sampling and diamond drilling during the 1980's at the Ashley Gold Mine. There work also included prospecting, geology and geophysics on the Garvey and Garvey South occurrences.

The Ezra South and North occurrences were discovered by McCollum Gold Mines during the initial phase of gold exploration in the area during 1931. Prospecting and trenching work was completed on both occurrences. Additional work on the occurrence was not undertaken until 1973 when Prestige Mines completed geological mapping, surface sampling, VLF geophysical surveys, and drilled three short holes. Additional mapping and sampling of Ezra South was completed by Marjel Resources Inc. in 1984 and 1985. Wilzel Resources Ltd. completed much larger geophysical, prospecting and sampling program in the Ezra South and Ezra North area and further south and southeast of these two occurrences. Recent prospecting, sampling and geophysical surveys were completed by Phoenix Matachewan Inc. between 2002 and 2004.

The McGill Group of claims was first described by Rickaby in 1932. Significant gold was not reported until 1981 by Johns-Manville Inc. Between 1981 and 1986, Johns-Manville Inc. (name changed in 1983 to Manville Canada Inc.) completed geological, geophysical surveys and drilled size holes in and around the McGill occurrence. Manville Canada Inc. also completed geological mapping, sampling and geophysics during 1988 and 1989 along the boundary

between Hincks and Argyle Township, north of the McGill occurrence and east of the Ezra South and Ezra North occurrences.

Between 1965 and 1981, George Sunisloe completed prospecting, trenching, sampling and three drill holes at and around the Sunisloe occurrence. The drilling appears not likely to have been at the Sunisloe occurrence, but 1.5 kilometres south possibly targeting a magnetic target. Wilzel Resources Inc. is reported to have completed mapping, geophysics and drilled at least two holes into the occurrence.

Significant trenching, mapping, geophysics and drilling was completed by prospector Fred Kiernicki, or part of joint venture with another company, between 1974 and 1997 on his Ashley West Property. The property overlapped onto the Garvey occurrence area and Montrose East area and was adjacent to the Ashley Gold Mine property and Montrose Gold occurrence. Joint venture partner work included drilling by Hannah Mining in 1989, geology and petrology by Homestake Mineral Development Company during 1990 and geophysics, mechanical stripping and drilling by RJK Explorations Inc. between 1996 to 1999. The 1990 geological mapping completed by Homestake characterized the green carbonate alteration and metasediments as part of the Gayler Branch fault and a northwest splay off the Larder Lake-Cadillac deformation zone. It was the last phase of work completed by RJK Explorations Inc. that reported the most significant gold values.

Gold at the Montrose Gold occurrence was first reported by prospector E. Amos between 1940 and 1945 while completing trenching and drilling. Additional geological mapping, sampling and drilling work was completed intermittently at the occurrence between 1973 and 1979. Montrose Gold Resources Inc. acquired the property in 1988 and subsequently completed geological mapping, geophysics, humus sampling, and drilling between 1988 and 1990.

The first reported work at the Montrose West appears to have been Canamax Resources Inc. between 1982 and 1985. They completed geology, geophysics, and drilling five holes totalling 1,004 metres, outlining a zone of fuschitic alteration in an area that had reported a surface grab sample of 5.5 g/t Au form siliceous fuschitic alteration. The property was optioned to Noranda Exploration Company in 1992 and they completed additional trenching and geological mapping.

In 1998, Patrician Gold Mines completed mapping and reconnaissance geochemical program in the Garvey and Montrose West occurrence areas. This work was followed by prospecting, sampling, mapping, magnetometer, induced polarization survey and drilling at the Garvey occurrence by Phoenix Matachewan Resources Inc. between 2002 and 2004. Their work has been used as the basis, and built upon, by Mhakari's 2009 initial exploration program. The induced polarization survey and many of the gold assays commonly referenced in this report were completed by Phoenix Matachewan.

5. Geological Setting

The Argyle Project is situated along the southern limb of the Abitibi greenstone belt between two north-trending embayments of Huronian sediments that unconformably overly the Archean rocks. The south limb of the Abitibi greenstone belt includes the Larder Lake-Cadillac deformation zone along which more than 40 million ounces of gold has been extracted. The Huronian sedimentary cover has hindered direct correlations between the Argyle Project area and the western extension of the Larder Lake-Cadillac Deformation zone. Recently published geophysical and age-dating work completed by the Provincial and Federal Government as part

of the Discover Abitibi Initiative, confirm that the Larder Lake-Cadillac deformation zone is deflected to the west-northwest at Matachewan and cuts through Timiskaming Assemblage metasedimentary rocks and Tisdale Assemblage metavolcanic rocks (Ayer et. al. 2005). As a result, the gold occurrences of the Argyle Project can be confidently correlated structurally and geologically with the gold deposits of the Larder Lake and Kirkland Lake areas. The west-northwest deflection of the overall southwest trending deformation zone is also observed at Larder Lake, along which both the past producing Anoki and McBean gold mines are situated before the deformation zone returns to an overall southwest trend adjacent to the Kirkland Lake fault zone and its associated gold mines.

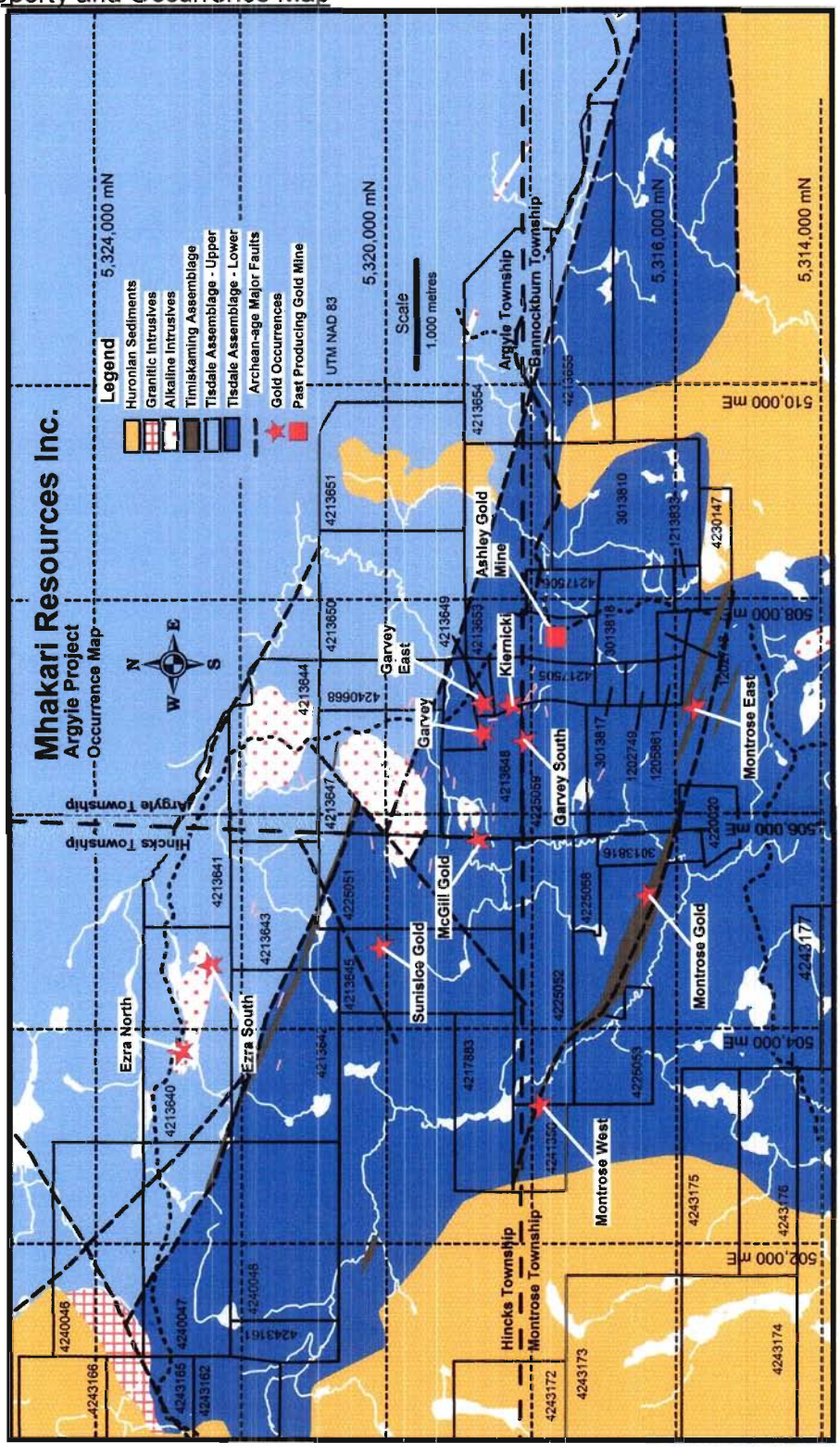
Archean rocks of the Argyle Project (Figure 3) include primarily steeply dipping metavolcanics of the Lower and Upper Tisdale Assemblage. The Lower Tisdale Assemblage is characterized by a suite of mafic metavolcanics overlain by a suite of tholeiitic mafic to felsic metavolcanics that includes ultramafic flows and intrusives. The contact between these two suites includes Timiskaming Assemblage metasedimentary rocks, generally characterized as pebble conglomerate and greywacke, in association with the Larder Lake-Cadillac deformation zone. The Upper Tisdale Assemblage consists of calc alkaline mafic to felsic metavolcanics and can be readily distinguished in the field by the presence of feldspar phenocrysts. The contact between the Lower and Upper Tisdale metavolcanics is oriented parallel to sub-parallel to the Larder Lake-Cadillac deformation zone and appears to be associated with a thin layer of greywacke and a relatively higher concentration of syenite porphyry intrusives.

Matachewan diabase are present within the Archean rocks oriented north-south. Based on the regional magnetic surveys, the relative proportion of the dykes is much less than that apparent in the Matachewan area.

Metamorphism

The Discover Abitibi Initiative also illustrated the importance of metamorphic gradients as a controlling factor with respect to the formation of the gold deposits within the western Abitibi greenstone belt. Their work identified a nine kilometre diameter gradient from lower greenschist to transitional greenschist-amphibolite facies metamorphism within the Argyle Project area. The circular outline of the metamorphic gradient does not appear to be controlled by, or correlate with, the regional stratigraphy, structures or surface bedrock occurrences of an intrusion large enough to explain the gradient. Within, and outside, the identified metamorphic gradient, numerous relatively small intrusions of alkaline and porphyritic rocks are hosted within the Tisdale Assemblage metavolcanics and the Timiskaming Assemblage metasedimentary rocks. The Discover Abitibi Initiative work also outlined along the entire east side of the metamorphic gradient a calculated gravity and magnetic anomaly, such an anomaly elsewhere in their study area was interpreted as being indicative of a deep crustal fault or geological contact between supracrustal and intrusive rocks. This author suggests the possibility that the metamorphic gradient and the geophysical anomaly within the southwest quadrant of Argyle Township are an indication of a subsurface syntectonic intrusion.

Figure 3. Property and Occurrence Map



6. Mineralization

Between June 23rd and July 15th, 2009, an initial prospecting and geology program was completed within the Argyle Project. Traverse locations completed during this time are outlined in Figure 4 and the outcrop locations and rock type assemblages observed while traversing are illustrated in Figure 5. A total of ten bedrock samples were collected during the program to confirm historic results. Sample locations are illustrated in Figure 6 and the results are discussed in the relevant section below and the certificate of analysis is included in the Appendix.

Results of the recently completed exploration work indicates that the gold occurrences of the Argyle Project can be divided into two geological and structural areas, referred to as the South and North Zones. The South Zone is estimated to be more than six kilometres long, up to 500 metres wide and encompasses the Montrose East and Montrose West gold occurrences (Figure 3). These two occurrences are separated by the Montrose Gold occurrence located within nine patented mining claims currently owned by Galahad Resources Inc. The North Zone is more than 6 kilometres long, more than one kilometre wide and includes the Garvey, Garvey East, Garvey South, Kiernicki, Sunisloe, McGill, Ezra South and Ezra North gold occurrences of the Argyle Project and the Ashley Gold Mine (Figure 3). Gold is typically hosted in quartz veins related to brittle deformation commonly in association with pyrite, lesser amounts of chalcopyrite, galena, molybdenite, sphalerite, minor tellurides, and visible gold reported in half of the 10 occurrences.

Gold within the South Zone is generally characterized as occurring in quartz veins associated with ductile and brittle deformation along the contact between mafic and felsic metavolcanic rocks and their contacts with the Timiskaming Assemblage metasedimentary rocks, within the Larder Lake-Cadillac deformation zone. The gold occurrences are also associated with moderate to intense alteration that includes green carbonate, fuschite, sericite, silicification, serpentine, chlorite, iron carbonate, and pyrite. The South Zone transects the southwest edge of a more than nine kilometre circular metamorphic gradient that ranges from lower to upper greenschist facies. A comprehensive examination to determine the gold potential of the South Zone has never been completed.

Gold in the North Zone occurrences is typically hosted in shallow dipping, narrow (typically <5 to 30 centimetres) quartz veins up to 0.5 metres wide, that are primarily associated with brittle deformation and typically in close association with intermediate to felsic intrusives or related massive metavolcanic rocks. The intrusives include porphyries and syenite porphyries that appear to be preferentially intruding within the same extensional fractures as the gold-bearing quartz veins. Quartz veining within, or adjacent to, the porphyries often exhibit a previously unemphasized poorly developed stockwork texture. The host rocks to the gold-bearing quartz veins exhibits variable degrees of alteration characterized by silicification, iron carbonate, hematite and potassic feldspar. Alteration and quartz veining typically includes minor to significant fine-grained pyrite (up to 15 percent) with lesser chalcopyrite, galena, molybdenite, sphalerite, pyrrhotite and minor tellurides. The North Zone transects the southwest side of a more than nine kilometre circular metamorphic gradient that ranges from upper greenschist to transitional greenschist to amphibolite. The circular metamorphic gradient cannot be readily explained by known surface bedrock outcrop and may be indicative of a late stage buried intrusive. A comprehensive examination to determine the gold potential of the North Zone has never been completed.

Figure 4. Traverse Locations

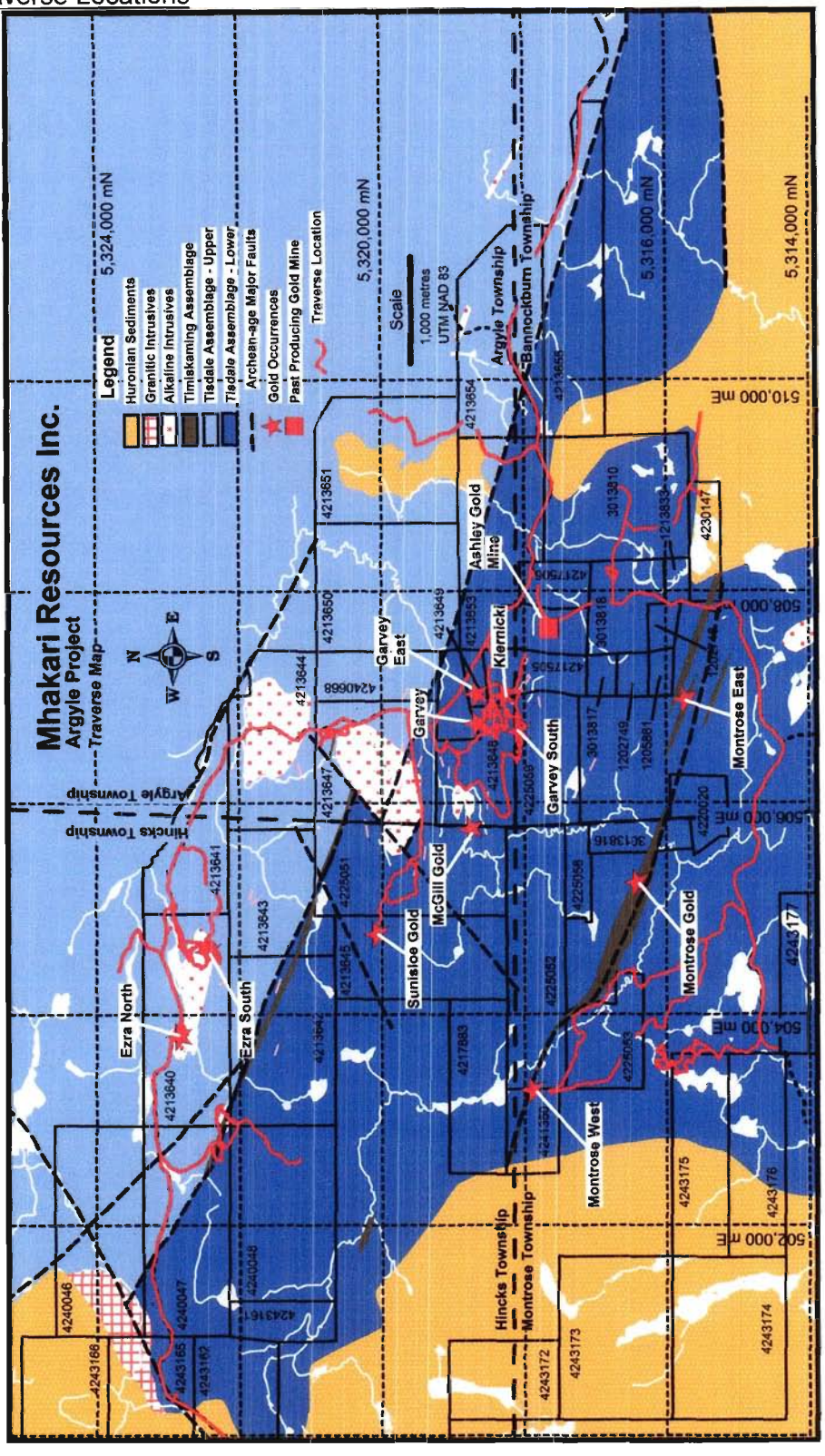


Figure 5. Outcrop Locations

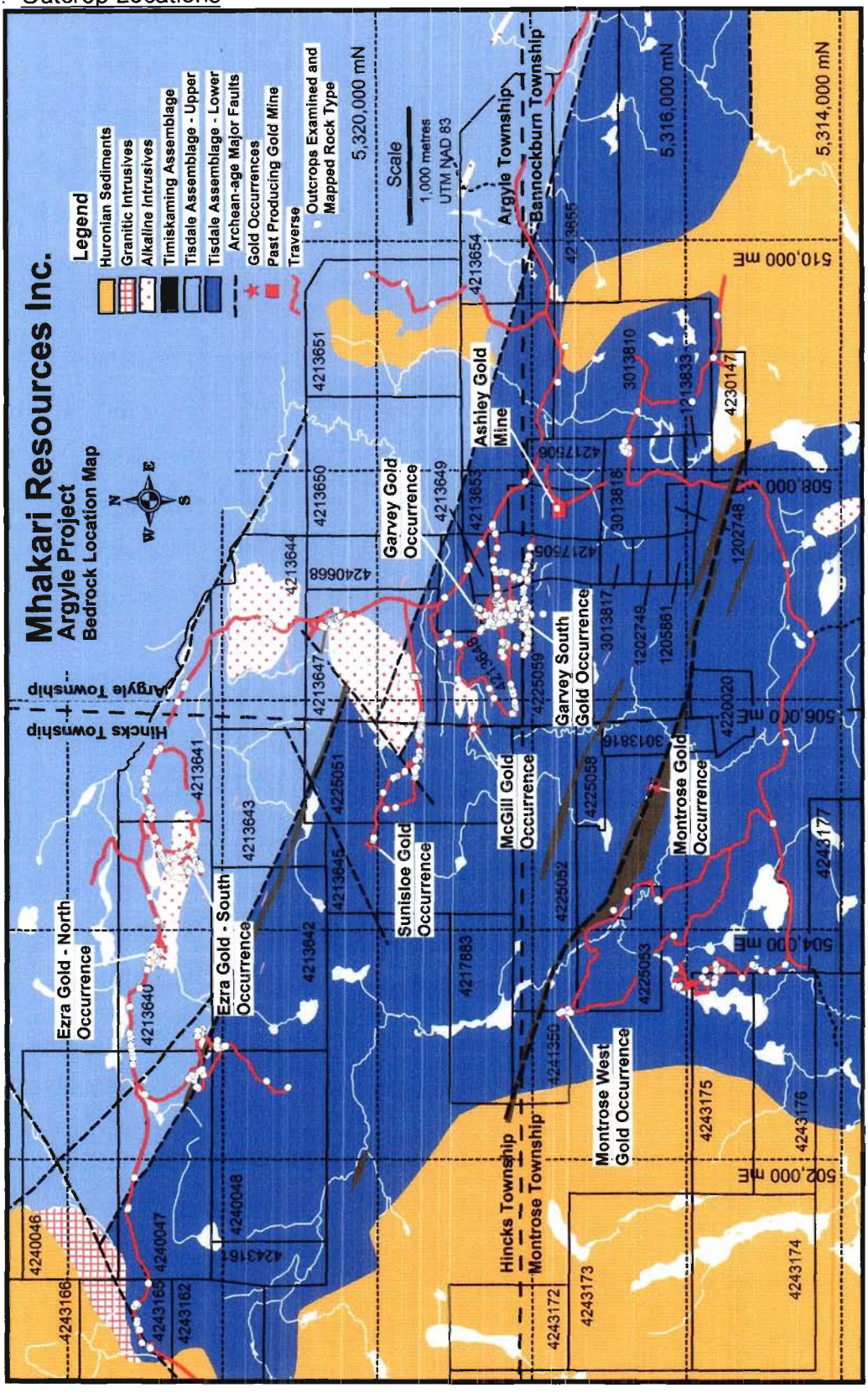
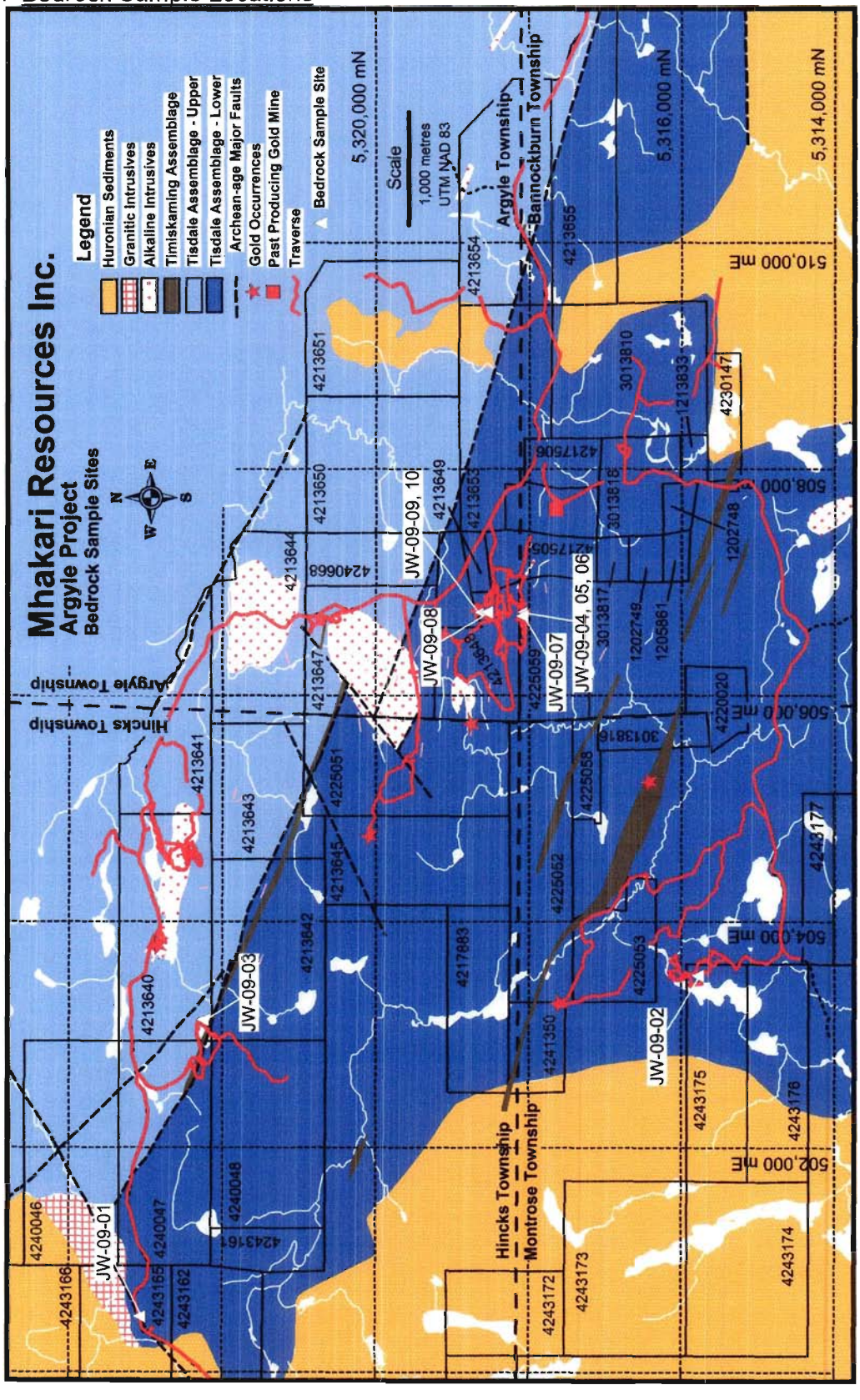


Figure 6. Bedrock Sample Locations



South Zone

The South Zone is situated directly over a more than six kilometre portion of the western extension of the Larder Lake-Cadillac deformation zone, covered to the east and west by Huronian sedimentary rocks. The deformation zone cuts through the Lower Tisdale Assemblage ultramafic to felsic metavolcanics and the Timiskaming Assemblage metasedimentary rocks. The Argyle Project incorporates all but approximately 1.6 kilometre section of the deformation zone where it transects the nine patented claims that includes the Montrose Gold occurrence (separating the Montrose East and Montrose West occurrences of the Argyle Project). Historic drilling at the Montrose Gold occurrence reported intersections of 10.6 g/t gold across 3.0 metres in the 1940's, 4.5 g/t gold across 8.8 m in the 1970's and 3.57 g/t gold across 2.74m in 1998. Galahad Resources Inc. recently reported (July 21, 2009) gold-in-soil anomalies coincident with induced polarization (IP) targets not in association with the previously drilled locations. Limited previous drilling at the Montrose East occurrence intersected approximately 1.32 g/t Au across 2.8 metres associated with green carbonate and fuschite alteration. At the Montrose West occurrence, surface grab samples were reported as 5.5 g/t Au and a limited drilling program (5 drill holes totalling 1,004 metres) completed during the 1980's intersected a fuschitic alteration zone with assays of <1 g/t Au reported.

North Zone

The North Zone is situated along and across the unconformable contact between the Lower Tisdale Assemblage tholeiite metavolcanic rocks and the Upper Tisdale Assemblage calc alkaline metavolcanic rocks. The contact is oriented parallel to sub-parallel to the Larder Lake-Cadillac deformation zone and the steeply dipping rocks are part of the south limb of a northwest striking synform that plunges to the east-southeast and appears to young to the northeast. In addition to the northwest trending foliation, a younger approximately southwest trending fabric is readily observed in outcrop and in association with the quartz veining and felsic intrusives of the North Zone. The outline of the North Zone is generally defined by a noticeable increase in the proportion of quartz veining and porphyritic intrusives. The Garvey, Garvey South, Garvey East and Kiernicki gold occurrences occur within an area of approximately 500 metres in diameter.

Garvey

The Garvey occurrence is located 1.4 kilometres northwest of the Ashley Gold Mine, hosted within massive basalts of the Lower Tisdale Assemblage. Previous work has blasted and exposed the thicker part of the vein on the west bank of a narrow creek. The quartz vein is typically 20 to 40 centimetres wide, up to 0.5 metres wide, strikes 090 to 110 degrees and dips 5 to 30 degrees to the north. The quartz is milky white and exhibits a sugary texture. Fine flaky visible gold has been described to occur within the quartz vein and is associated with pyrite, galena and trace sphalerite and chalcopyrite. Three grab samples of the vein were collected, one of the host rock and the two of the quartz vein approximately 100 metres apart along strike. Grab samples of the quartz vein reported 45.0 and 26.1 g/t Au, confirming the presence of high grade gold within the vein and along its strike. The host rock reported an assay of 60 ppb Au.

Drilling at the Garvey vein in 2004 by Phoenix Matachewan Inc., completed approximately 14 drill holes (press release dated July 26, 2004) to test the potential for a high grade, low tonnage, near surface deposit. They reported intersections that ranged from 0.7 g/t Au across 0.5 metres up to 24 g/t Au across 0.6 metres.

Table 2. Garvey Occurrence Drill Results - Phoenix Matachewan 2004*

DDH No.	From (m)	To (m)	Width (m)	Assay (gpt)	VG
PMM A-0401	29.00	29.20	0.20	4.0	
PMM A-0402	26.20	26.60	0.40	29.8	VG
PMM A-0403	30.50	31.10	0.60	1.3	
	31.10	31.60	0.50	2.4	
	31.60	32.10	0.50	0.7	
PMM A-0404	31.00	31.35	0.35	1.2	
PMM A-0407	16.20	16.70	0.50	1.1	
PMM A-0408	14.60	15.20	0.60	1.4	
	17.42	17.53	0.11	1.4	
	20.70	20.80	0.10	13.1	
PMM A-0411	29.00	29.20	0.20	2.7	
PMM A-0413	33.20	33.80	0.60	4.9	
	45.10	45.50	0.40	6.9	
PMM A-0414	30.80	31.40	0.60	3.2	
PMM A-0415	13.30	13.90	0.60	24.0	
PMM A-0416	59.40	59.60	0.20	1.3	

*Source of results – Phoenix Matachewan Resources Inc. Press Release July 26, 2009

Garvey South

The Garvey South vein is located along the Argyle and Bannockburn Township boundary, 500 metres south of the Garvey occurrence. A number of trenches, including two deep pits occur over and adjacent to the occurrence. Gold is associated with an east-west striking quartz vein, dipping 20 degrees to the south, that has been traced for 135 metres and observed to be from <1 centimetre to 30 centimetres wide. Host rock contacts to the quartz vein are typically associated with silicification, iron carbonate alteration and pyrite up to 10 centimetres away from the quartz vein. Reported grab samples from the Garvey South occurrence range from <0.01 to 29 g/t Au. Drilling completed by Ashley Mining Corporation in 1938 reported "good" gold values from two drill holes at the east end of the vein and low gold values in the remaining five drill holes (Tremblay 1982). Confirmation grab samples collected during the recent program completed by Mhakari reported 3.7 g/t, 0.4 and 0.3 g/t Au from the quartz veining and 0.5 g/t Au from the iron carbonate altered host rock metavolcanics.

Garvey East

The Garvey East occurrence is reported to be located approximately 250 metres east of the Garvey occurrence. Recent exploration has yet to confirm the location of the vein. Previous grab samples from the occurrence are reported as 0.35, 0.03 and 0.195 oz/t Au collected from a shallow dipping quartz vein and porphyry (Jones and Wagg 2003).

Kiernicki

The Kiernicki occurrence was discovered during a stripping program in 1997 approximately 400 metres southeast of the Garvey occurrence. It was characterized as a series of hematized fractures with quartz stringers, silicification and pyrite. A single grab sample from the occurrence

was reported to be 0.34 oz/t Au. A vertical 241 foot drill hole was completed in 1991 intersected several quartz veins and the highest gold assay was reported as 0.004 oz/t.
(Kiernicki 1991)

Sunisloe
The Sunisloe occurrence is over 2 kilometres northwest of the Garvey occurrence and south of the Ezra South occurrence. The quartz vein strikes approximately 105 degrees and dips 30 degrees to the south. It is approximately 2 to 15 centimetres wide and generally characterized as multiple sub-parallel veins and commonly includes vugs and druzzy quartz. Basaltic host rock includes pyrite, iron carbonate and silicification on both sides of the veining. Gold assays of grab samples reported from the occurrence range from <0.1 to 90.2 g/t Au. Best results of two drill holes completed by Wilzel Resources Inc. was reported to be 5 g/t Au across 1 foot.

McGill
The McGill occurrence is located approximately 1 kilometre west of the Garvey occurrence. No work has been completed at the McGill occurrence since 1986 and it was not visited during the current program completed by Mhakari. Previously reported grab samples of the occurrence range from <0.01 to 0.36 oz/t Au. The best assay of the three winkie holes, totalling 386 feet was reported as 0.38 oz/t Au across 1 foot.

Ezra South and North
The Ezra South and North occurrences are located at the northern end of the North Zone and are the only occurrences hosted within what has been previously mapped as the Upper Tisdale Assemblage. They are directly associated with the contact between intermediate pyroclastic metavolcanic rocks and a porphyritic alkalic intrusion. Contact relationships between the metavolcanics and the intrusion are vary from planar trending northwest to intrusion and variably oriented. The vein was outlined by McCollum Lake in 1931 to be at least 600 feet long and 12 inches wide with a north-south strike and a 33 dip to the west. Reported gold assays of the occurrence range from <0.1 to 42.2 g/t Au. Four holes totalling 600 feet were completed in and around the occurrence, the best assay was reported as 0.02 oz/t Au across 2.5 feet.

The Ezra North occurrence is approximately 100 metres north of the west end of McCollum Lake, approximately 800 metres east of the Ezra South occurrence. The location is marked by several historic trenches across the contact between porphyritic syenite and intermediate pyroclastic metavolcanic rocks of the Upper Tisdale Assemblage. The contact appears to trend to the north and has been faulted in several locations. Numerous quartz veinlets up 3 centimetres can readily be observed in both the syenite and the metavolcanics. None of the historic trenches have been recently reopened. The best grab sample result from the area is 1 g/t Au North and up to 1 g/t Au

7. Soil Sampling Program

As part of the orientation soil sampling survey completed between June 23rd and July 15th, 2009, an initial geochemical soil survey which used an enzyme leach analysis of the B horizon was completed within four small grids, totalling 8 kilometres, spaced out over an area six by two kilometres. The grids were located within the South and North Zones and located based on each of the grid areas being indicative of a particular type of geomorphological terrain within the Argyle Project area and relative location to known gold occurrences. Grid 1 was also selected due to it being within a previously completed IP and magnetic survey. From the four grids, a total of 264 samples were collected along north-south lines that were 500 to 1,000 metres long, spaced 100 metres apart and collected every 25 metres along the lines. No samples were

collected at sample sites that were bedrock, water bodies or thick muskeg. The average and standard deviation of the results for each element, was calculated separately for each grid. Results that were more than two standard deviations above the average were identified as highly anomalous and those that were a single standard deviation greater than the average were considered anomalous. Anomalies identified using enzyme leach of B Horizon soil are located directly over the bedrock target, providing an excellent opportunity to integrate the results with geophysical surveys and bedrock geology. Sample locations for Grid 1 to Grid 4 are located relative to the claim boundaries in Figures 7 to 10, respectively. Tables that include sample site locations and geochemical results are included in the Appendix.

Even though outcroppings are limited within the Argyle Project, it is estimated that bedrock within 60 to 80 percent of the property is covered with only a few metres (<1 to 5 metres) of cobbly till, with the remaining area consisting of sandy outwash glaciolacustrine and glaciofluvial deposits estimated to be approximately 15 to 20 metres thick.

Mineral exploration has traditionally seen oxidized zones of bedrock, described as gossans, as an important indicator of mineral deposits. Recently developed techniques that analyze surface coatings of mineral grains retrieved from the top 10 cm of the "B" soil horizon have proven effective in detecting "buried gossan" zones directly over the bedrock location of the zones.

Results of the initial geochemical survey is considered to be very positive, clearly illuminating bedrock geology trends (not glacial dispersion trends), readily identifying multi-metal anomalies coincident with IP anomalies and possibly discriminating bedrock metavolcanics from syenite. Contoured values of the highly anomalous to anomalous results illustrate that the elemental trends are primarily parallel to the bedrock stratigraphy. Highly anomalous and anomalous results for elements commonly indicative of buried sulphides (Cu, Pb, Mn, and to a lesser degree Zn, Co, Ni, and V), and possibly gold-bearing quartz veins, are readily identifiable within both the North and South Zone. In addition the anomalous values highlighted in Grid 1 correlate directly with IP anomalies (Figure 11). Also, outcrops of syenite are present in close proximity to B horizon highly anomalous to anomalous values of Mo, Ba, Rb and REE. Even though the initial survey is limited by the relatively small grid size, it appears that the method will be extremely effective in prioritizing targets for mechanical stripping and drilling.

Figure 7. Soil Sampling Grid 1

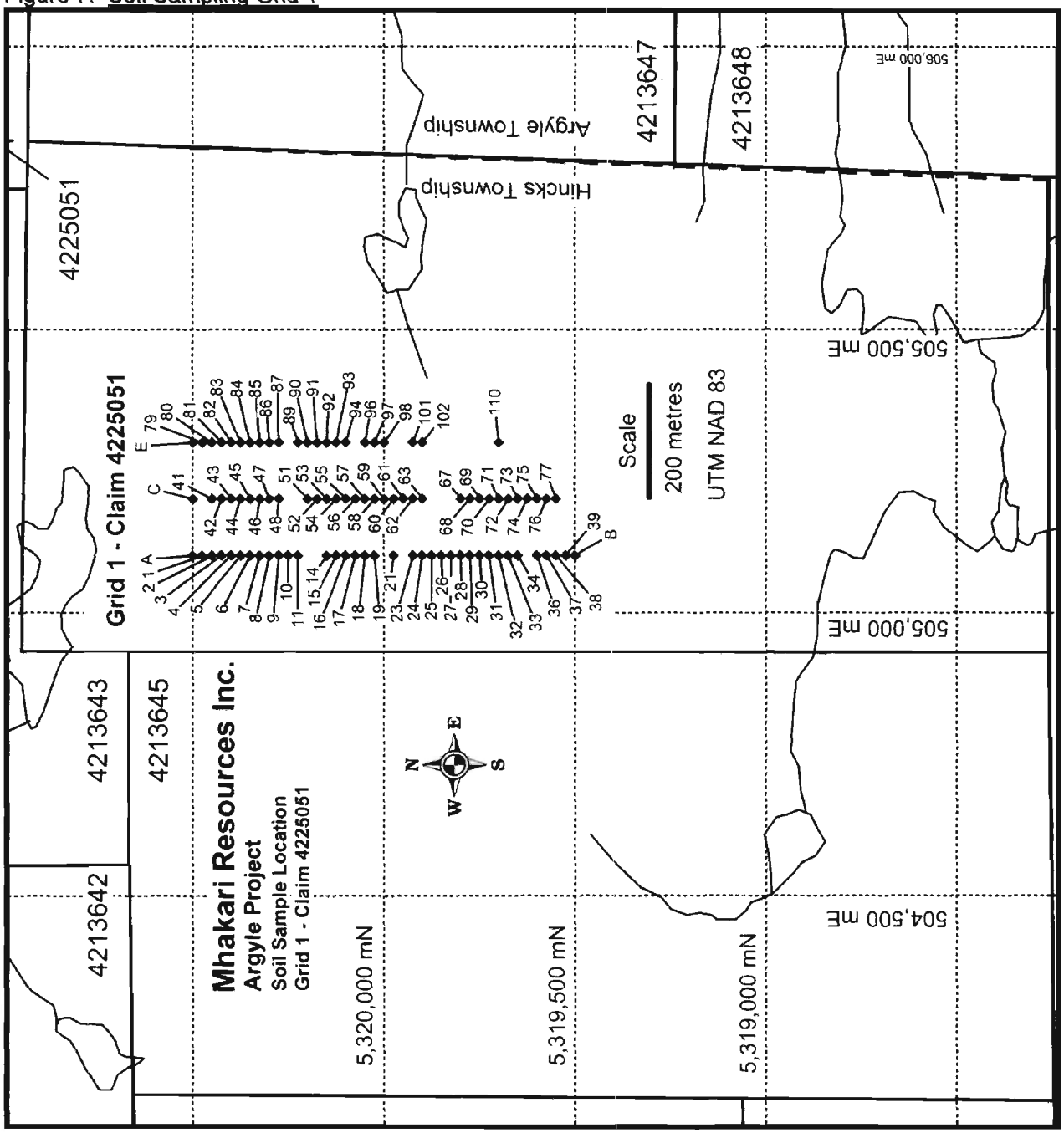


Figure 8. Soil Sampling Grid 2

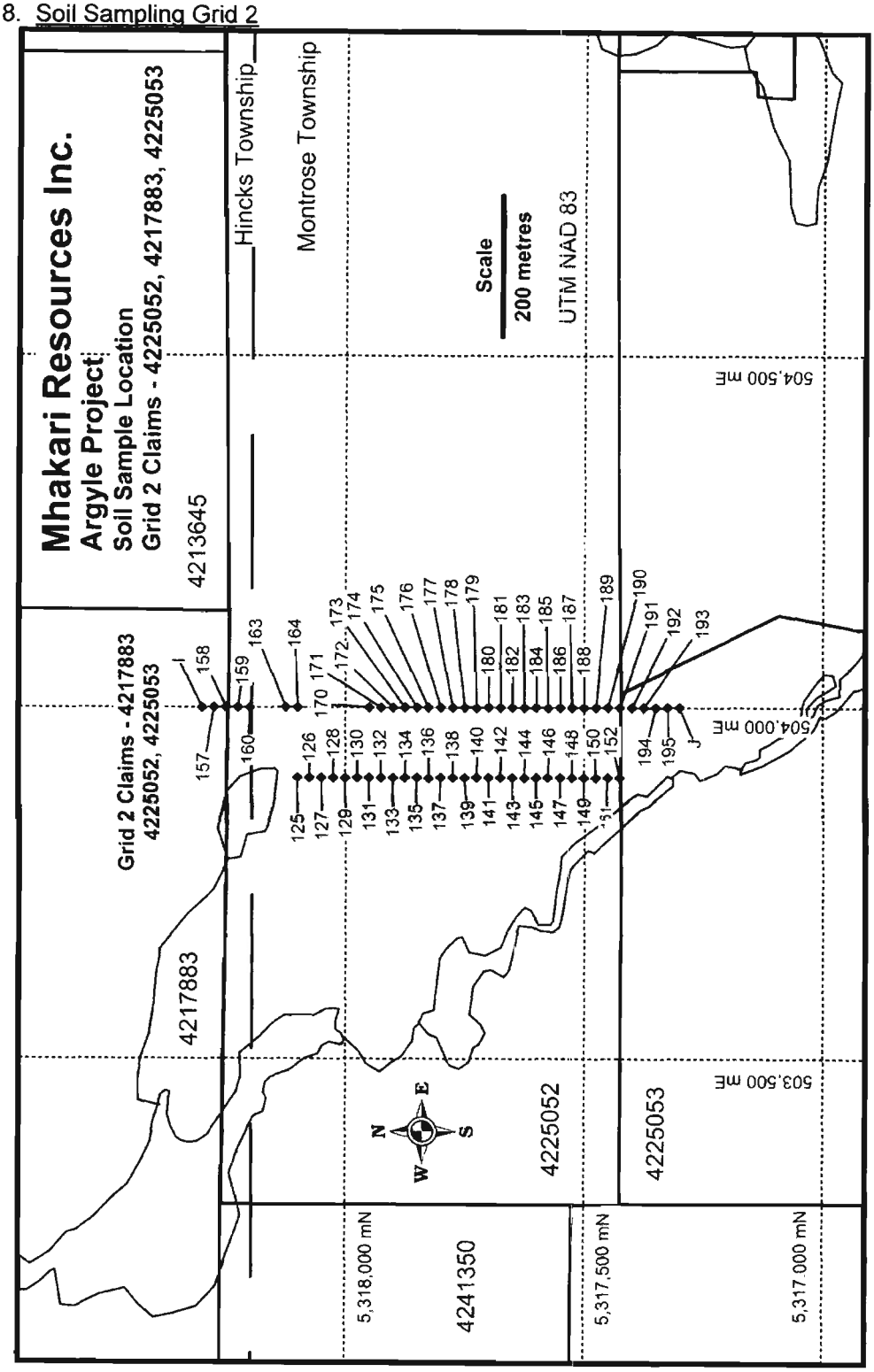


Figure 9. Soil Sampling Grid 3

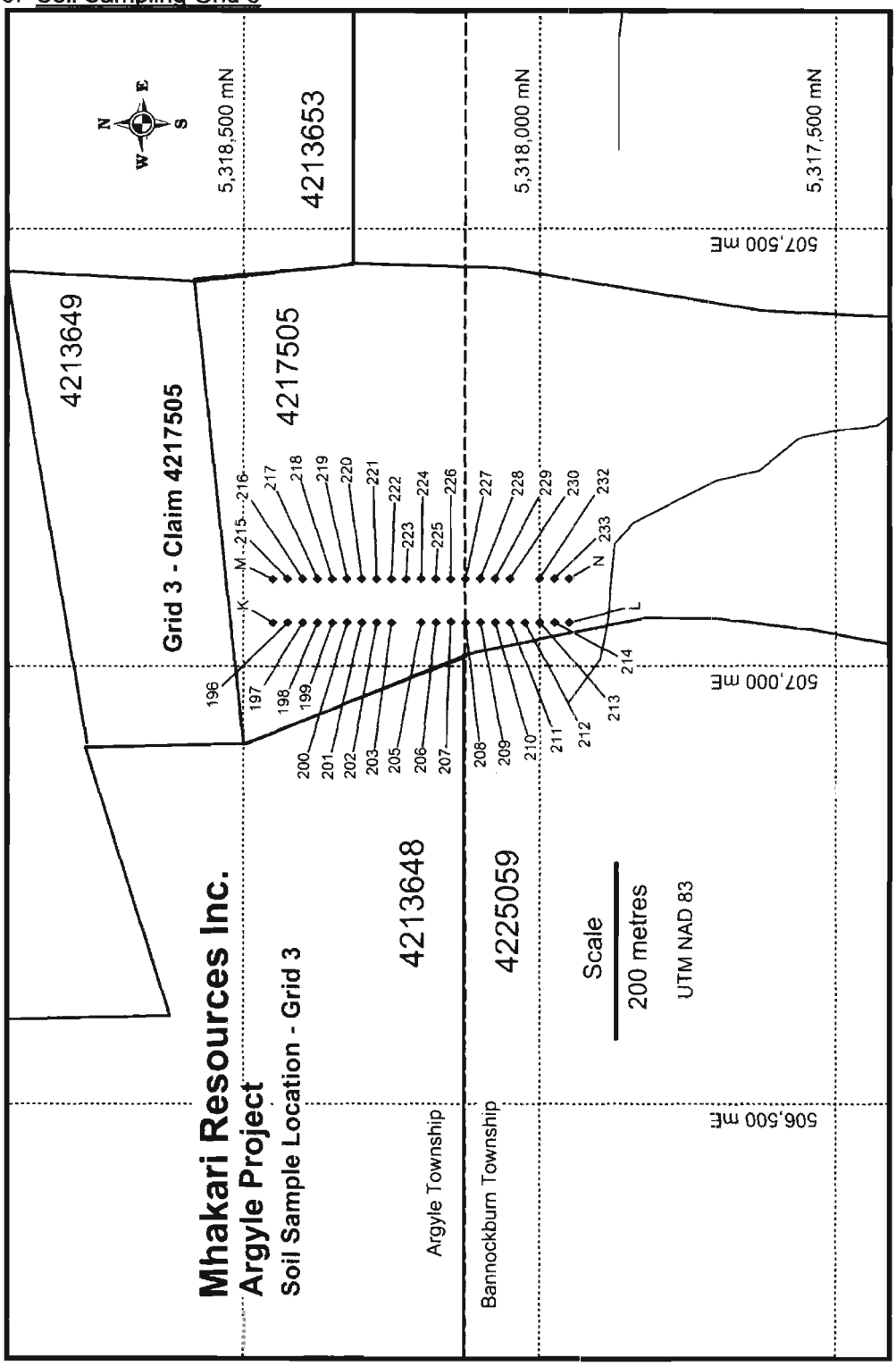


Figure 10.Soil Sampling Grid 4

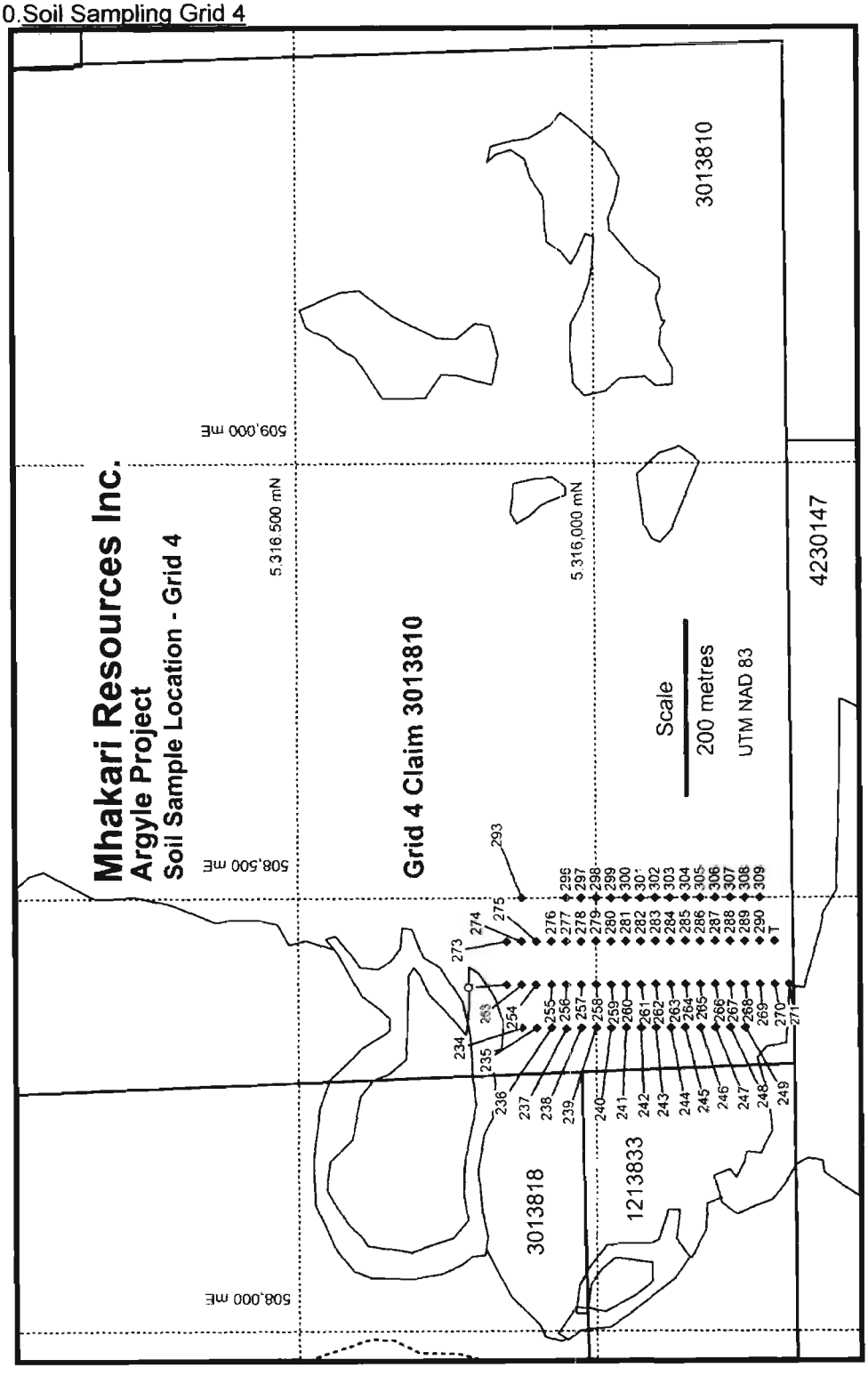
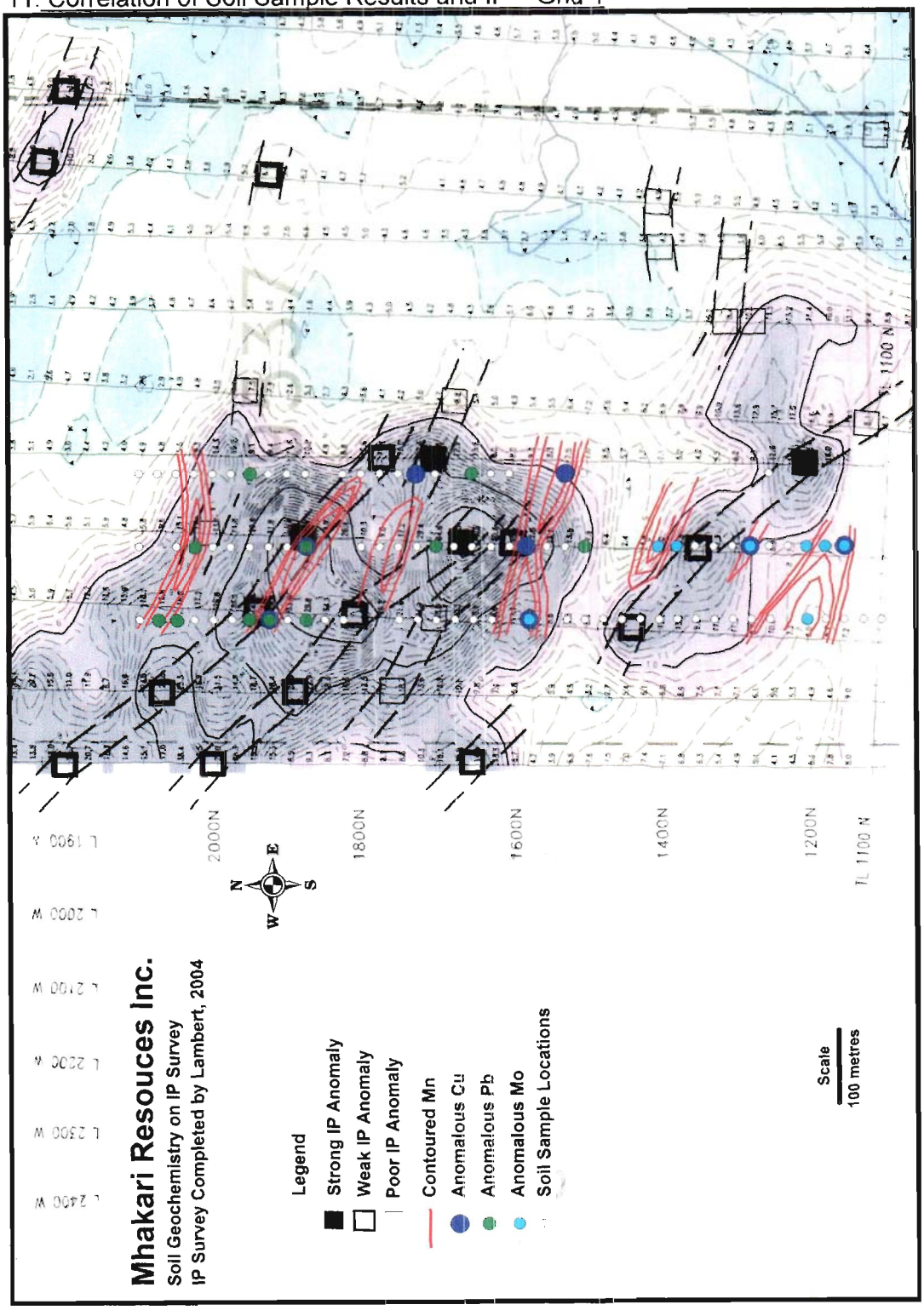


Figure 11. Correlation of Soil Sample Results and IP – Grid 1



8. Conclusions and Recommendations

Based on the work-completed to-date, further gold exploration work within the South and North Zones is highly recommended. The primary gold target in both Zones is considered to be a zone with multiple quartz veins with associated sulphides and tellurides hosted in, or along the contacts, of a relatively competent rock (syenite porphyries, porphyries, massive volcanic units, etc.). The quartz veining appears to be a direct a result of open space infillings in response to late stage brittle deformation. The veining may also be related to the formation of a stockwork system related to observed porphyries or the proposed buried intrusion related to the circular metamorphic gradient. Initial results of the integrated geophysical and geochemical surveys have been effective at identifying priority targets that should be further investigated with follow-up sampling and testing by either mechanical stripping or drilling. It is recommended that the soil sampling grids be extended and additional samples collected, as well as, extending the IP and magnetic surveys within the core areas of the North and South Zones. The work can be completed in a staged approach. Results from each stage can be prioritized and follow-up mechanical stripping or drilling can be completed on the priority targets between each of the stages.

9. References

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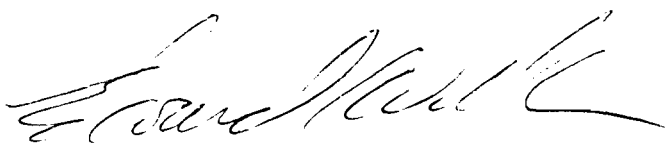
Certificate of Author

I, Edward C. Walker, of 115 Ermatinger St., in the City of Lakefield in the Province of Ontario do hereby certify that:

1. I am a resident of Lakefield, Ontario and have lived there for 14 years.
2. I hold a Honours Bachelor of Science (1984) and a Doctor of Philosophy (1991) in Geological Sciences.
3. I have been employed in the mineral exploration industry since 1986 and have practiced my profession since graduation.
4. I conducted and supervised the initial 2009 prospecting, geology, and soil sampling program undertaken on the Argyle Project.
5. I am a member in good standing with the Association of Professional Geoscientists of Ontario, membership number 0497.
6. I am author of this report.

DATED at Lakefield, Ontario, this 12th day of August 2009



Edward C. Walker, Ph.D., P.Geo.

10. Appendix

Gold Assays of Bedrock Grab Samples

Sample #	UTM E	UTM N	Claim #	Au g/t	Description
JW-09-01	500502	5322916	4243165	<0.1	Silicified metavolcanic, gossan, minor pyrite
JW-09-02	503526	5315788	4243175	<0.1	Silicified and fuschitic altered felsic metavolcanics with 2 to 3% fine- to medium-grained disseminated pyrite
JW-09-03	503132	5322257	4213640	<0.1	Quartz-epidote vein in silicified metavolcanics
JW-09-04	506738	5318094	4225059	3.7	Garvey South quartz vein, 3 to 5% pyrite, hematite
JW-09-05	506738	5318094	4225059	0.4	Host silicified and iron carbonate altered metavolcanics to Garvey South, 1 to 2% pyrite
JW-09-06	506770	5318077	4225059	0.3	Iron carbonate and silicified intermediate metavolcanics near Garvey South
JW-09-07	506703	5318095	4225059	0.5	Quartz vein, eastern occurrence of Garvey South, trace pyrite
JW-09-08	506733	5318559	4213648	45.0	Quart vein south of Garvey vein
JW-09-09	506733	5318657	4213648	<0.1	Deformed and silicified host rock to garvey vein
JW-09-10	506733	5318655	4213648	26.1	Garvey quartz vein

Gold Assay Certificate of Analysis

Report: A09-3629
Report Date: 22/07/2009

Final Report
Activation Laboratories

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Detection Limit	5	0.03
Analysis Method	FA-AA	FA-GRA
JW-09-01	< 5	
JW-09-02	< 5	
JW-09-03	< 5	
JW-09-04	> 3000	3.7
JW-09-05	368	
JW-09-06	320	
JW-09-07	446	
JW-09-08	> 3000	45
JW-09-09	60	
JW-09-10	> 3000	26.1

Soil Sample Locations

Mhakari Gold Corp.

Geochem Soil Samples - B Horizon

Grid #1 - Hincks Twp.

July 3/09

Sample #	Claim #	UTM - NAD 83	Notes
A	4225051	17 U 505100 5320500	
B	4225051	17 U 505100 5319500	
C	4225051	17 U 505200 5320500	Old Clear-Cut
D		17 U 505200 5319500	No Sample - Bedrock
E	4225051	17 U 505300 5320500	Old Clear-Cut
F		17 U 505300 5319500	No Sample - Bedrock
1	4225051	17 U 505100 5320475	
2	4225051	17 U 505100 5320450	
3	4225051	17 U 505100 5320425	
4	4225051	17 U 505100 5320400	
5	4225051	17 U 505100 5320375	
6	4225051	17 U 505100 5320350	
7	4225051	17 U 505100 5320325	
8	4225051	17 U 505100 5320300	
9	4225051	17 U 505100 5320275	
10	4225051	17 U 505100 5320250	
11	4225051	17 U 505100 5320225	
12		17 U 505100 5320200	No Sample - Bedrock
13		17 U 505100 5320175	No Sample - Bedrock
14	4225051	17 U 505100 5320150	
15	4225051	17 U 505100 5320125	
16	4225051	17 U 505100 5320100	
17	4225051	17 U 505100 5320075	
18	4225051	17 U 505100 5320050	
19	4225051	17 U 505100 5320025	
20		17 U 505100 5320000	No Sample - Bedrock
21	4225051	17 U 505100 5319975	Taken on old roadbed
22		17 U 505100 5319950	No Sample - Muskeg
23	4225051	17 U 505100 5319924	Small Sample
24	4225051	17 U 505100 5319900	
25	4225051	17 U 505100 5319875	
26	4225051	17 U 505100 5319850	
27	4225051	17 U 505100 5319825	
28	4225051	17 U 505100 5319800	
29	4225051	17 U 505100 5319775	
30	4225051	17 U 505100 5319750	
31	4225051	17 U 505100 5319725	

Mhakari Gold Corp.

Geochem Soil Samples - B Horizon

Grid #1 - Hincks Twp.

July 3/09

Sample #	Claim #	UTM - NAD 83	Notes
32	4225051	17 U 505100 5319700	
33	4225051	17 U 505100 5319675	
34	4225051	17 U 505100 5319650	
35		17 U 505100 5319625	No Sample - Bedrock
36	4225051	17 U 505100 5319600	
37	4225051	17 U 505100 5319575	
38	4225051	17 U 505100 5319550	
39	4225051	17 U 505100 5319524	
40		17 U 505200 5320475	No Sample - Bedrock
41	4225051	17 U 505200 5320450	Old Clear-Cut
42	4225051	17 U 505200 5320425	Old Clear-Cut
43	4225051	17 U 505200 5320400	Old Clear-Cut
44	4225051	17 U 505200 5320376	Old Clear-Cut
45	4225051	17 U 505200 5320350	Old Clear-Cut
46	4225051	17 U 505200 5320325	Old Clear-Cut
47	4225051	17 U 505200 5320300	Old Clear-Cut
48	4225051	17 U 505200 5320275	Old Clear-Cut
49		17 U 505200 5320251	No Sample - Bedrock
50		17 U 505199 5320225	No Sample - Muskeg
51	4225051	17 U 505200 5320200	
52	4225051	17 U 505200 5320175	
53	4225051	17 U 505200 5320150	
54	4225051	17 U 505200 5320125	
55	4225051	17 U 505200 5320100	
56	4225051	17 U 505200 5320075	
57	4225051	17 U 505200 5320051	
58	4225051	17 U 505200 5320025	
59	4225051	17 U 505200 5320000	
60	4225051	17 U 505200 5319975	
61	4225051	17 U 505200 5319950	
62	4225051	17 U 505200 5319925	Old Clear-Cut
63	4225051	17 U 505200 5319900	Small Sample
64		17 U 505200 5319875	No Sample - Bedrock
65		17 U 505200 5319850	No Sample - Muskeg
66		17 U 505200 5319825	No Sample - Bedrock
67	4225051	17 U 505200 5319800	
68	4225051	17 U 505200 5319775	

Mhakari Gold Corp.

Geochem Soil Samples - B Horizon

Grid #1 - Hincks Twp.

July 3/09

Sample #	Claim #	UTM - NAD 83	Notes
69	4225051	17 U 505200 5319750	
70	4225051	17 U 505200 5319725	
71	4225051	17 U 505200 5319700	Small Sample
72	4225051	17 U 505200 5319675	
73	4225051	17 U 505200 5319650	
74	4225051	17 U 505200 5319625	
75	4225051	17 U 505200 5319600	
76	4225051	17 U 505200 5319575	
77	4225051	17 U 505200 5319550	
78		17 U 505200 5319525	No Sample - Bedrock
79	4225051	17 U 505300 5320475	Old Clear-Cut
80	4225051	17 U 505300 5320450	Old Clear-Cut
81	4225051	17 U 505300 5320425	Old Clear-Cut
82	4225051	17 U 505300 5320400	Old Clear-Cut
83	4225051	17 U 505300 5320375	Old Clear-Cut
84	4225051	17 U 505300 5320350	Old Clear-Cut
85	4225051	17 U 505300 5320325	Old Clear-Cut
86	4225051	17 U 505300 5320300	Old Clear-Cut
87	4225051	17 U 505300 5320275	Old Clear-Cut
88		17 U 505300 5320250	No Sample - Bedrock
89	4225051	17 U 505300 5320225	Old Clear-Cut
90	4225051	17 U 505300 5320200	
91	4225051	17 U 505300 5320175	
92	4225051	17 U 505300 5320150	
93	4225051	17 U 505300 5320125	
94	4225051	17 U 505300 5320100	
95		17 U 505300 5320075	No Sample - Bedrock
96	4225051	17 U 505300 5320050	
97	4225051	17 U 505300 5320025	
98	4225051	17 U 505300 5320000	
99		17 U 505300 5319975	No Sample - Bedrock
100		17 U 505300 5319950	No Sample - Bedrock
101	4225051	17 U 505300 5319925	
102	4225051	17 U 505300 5319900	
103		17 U 505300 5319875	No Sample - Bedrock
104		17 U 505300 5319850	No Sample - Bedrock
105		17 U 505300 5319825	No Sample - Bedrock

Mhakari Gold Corp.

Geochem Soil Samples - B Horizon

Grid #1 - Hincks Twp.

July 3/09

Sample #	Claim #	UTM - NAD 83	Notes
106		17 U 505300 5319800	No Sample - Beaver Pond
107		17 U 505300 5319775	No Sample - Muskeg
108		17 U 505300 5319750	No Sample - Bedrock
109		17 U 505300 5319725	No Sample - Bedrock
110	4225051	17 U 505300 5319700	
111		17 U 505300 5319675	No Sample - Bedrock
112		17 U 505300 5319650	No Sample - Bedrock
113		17 U 505300 5319625	No Sample - Bedrock
114		17 U 505300 5319600	No Sample - Bedrock
115		17 U 505300 5319575	No Sample - Bedrock
116		17 U 505300 5319551	No Sample - Bedrock
117		17 U 505300 5319525	No Sample - Bedrock

Total Samples Taken for Grid #1 = 91

Mhakari Gold Corp.

Geochem Soil Samples - B Horizon

Grid #2 - Montrose Twp.

July 7/09

Sample #	Claim #	UTM - NAD 83		Notes		
G		17 U 503900 5318300		No Sample - Muskeg		
H		17 U 503900 5317300		No Sample - Lake		
I	4217883	17 U 504000 5318300				
J	4225053	17 U 504000 5317300				
118		17 U 503900 5318275		No Sample - Muskeg		
119		17 U 503900 5318250		No Sample - Lake		
120		17 U 503900 5318225		No Sample - Lake		
121		17 U 503900 5318200		No Sample - Lake		
122		17 U 503900 5318175		No Sample - Lake		
123		17 U 503900 5318150		No Sample - Muskeg		
124		17 U 503900 5318125		No Sample - Muskeg		
125	4225052	17 U 503900 5318100				
126	4225052	17 U 503900 5318075				
127	4225052	17 U 503900 5318050				
128	4225052	17 U 503900 5318025				
129	4225052	17 U 503899 5318000				
130	4225052	17 U 503900 5317975				
131	4225052	17 U 503900 5317950				
132	4225052	17 U 503900 5317925				
133	4225052	17 U 503900 5317900				
134	4225052	17 U 503900 5317875				
135	4225052	17 U 503900 5317850				
136	4225052	17 U 503899 5317825				
137	4225052	17 U 503900 5317800				
138	4225052	17 U 503900 5317775				
139	4225052	17 U 503900 5317750				
140	4225052	17 U 503900 5317725				
141	4225052	17 U 503900 5317700				
142	4225052	17 U 503900 5317675				
143	4225052	17 U 503900 5317650				
144	4225052	17 U 503900 5317625				
145	4225052	17 U 503900 5317600				
146	4225052	17 U 503900 5317576				
147	4225052	17 U 503900 5317550				
148	4225052	17 U 503900 5317525				
149	4225052	17 U 503900 5317500				
150	4225052	17 U 503900 5317475				

Mhakari Gold Corp.

Geochem Soil Samples - B Horizon

Grid #2 - Montrose Twp.

July 7/09

Sample #	Claim #	UTM - NAD 83	Notes
151	4225052	17 U 503900 5317450	
152	4225052	17 U 503900 5317425	
153		17 U 503900 5317400	No Sample - Muskeg
154		17 U 503900 5317375	No Sample - Muskeg
155		17 U 503900 5317350	No Sample - Beaver Pond
156		17 U 503900 5317325	No Sample - Beaver Pond
157	4217883	17 U 504000 5318275	
158	4217883	17 U 504000 5318250	
159	4225052	17 U 504000 5318225	
160	4225052	17 U 504000 5318200	
161		17 U 504000 5318175	No Sample - Muskeg
162		17 U 504000 5318150	No Sample - Muskeg
163	4225052	17 U 504000 5318125	
164	4225052	17 U 504000 5318100	
165		17 U 504000 5318075	No Sample - Muskeg
166		17 U 504000 5318050	No Sample - Muskeg
167		17 U 504000 5318024	No Sample - Muskeg
168		17 U 504000 5318000	No Sample - Muskeg
169		17 U 504000 5317975	No Sample - Bedrock
170	4225052	17 U 504000 5317950	
171	4225052	17 U 504000 5317925	
172	4225052	17 U 504000 5317900	
173	4225052	17 U 504000 5317875	
174	4225052	17 U 504000 5317850	
175	4225052	17 U 504000 5317826	
176	4225052	17 U 504000 5317800	
177	4225052	17 U 504000 5317775	
178	4225052	17 U 504000 5317750	
179	4225052	17 U 503999 5317725	
180	4225052	17 U 504000 5317700	Small Sample
181	4225052	17 U 504000 5317675	
182	4225052	17 U 504000 5317650	
183	4225052	17 U 504000 5317625	
184	4225052	17 U 504000 5317600	
185	4225052	17 U 503999 5317575	
186	4225052	17 U 504000 5317550	
187	4225052	17 U 504000 5317525	

Mhakari Gold Corp.

Geochem Soil Samples - B Horizon

Grid #2 - Montrose Twp.

July 7/09

Sample #	Claim #	UTM - NAD 83		Notes		
188	4225052	17 U 504000 5317500				
189	4225052	17 U 504000 5317475				
190	4225052	17 U 504000 5317450				
191	4225052	17 U 504000 5317425				
192	4225053	17 U 504000 5317400				
193	4225053	17 U 504000 5317375				
194	4225053	17 U 504000 5317350				
195	4225053	17 U 504000 5317325				

Total Samples Taken for Grid #2 = 62

Mhakari Gold Corp.

Geochem Soil Samples - B Horizon

Grid #3 - Argyle Twp.

July 6/09

Sample #	Claim #	UTM - NAD 83		Notes		
K	4217505	17 U 507050 5318450				
L	4217505	17 U 507050 5317950				
M	4217505	17 U 507100 5318450				
N	4217505	17 U 507100 5317950				
196	4217505	17 U 507050 5318425				
197	4217505	17 U 507050 5318400				
198	4217505	17 U 507050 5318375				
199	4217505	17 U 507050 5318350				
200	4217505	17 U 507050 5318325				
201	4217505	17 U 507050 5318300				
202	**4217505**	**17 U 507050 5318275**				
203	4217505	17 U 507050 5318250				
204		17 U 507050 5318225		No Sample - Bedrock		
205	4217505	17 U 507050 5318200				
206	4217505	17 U 507050 5318175				
207	4217505	17 U 507051 5318150				
208	4217505	17 U 507050 5318125				
209	4217505	17 U 507050 5318100				
210	4217505	17 U 507050 5318075				
211	4217505	17 U 507050 5318050				
212	4217505	17 U 507050 5318025				
213	4217505	17 U 507050 5318000				
214	4217505	17 U 507050 5317975				
215	4217505	17 U 507100 5318425				
216	4217505	17 U 507100 5318400				
217	4217505	17 U 507100 5318375				
218	4217505	17 U 507100 5318350				
219	4217505	17 U 507100 5318325				
220	4217505	17 U 507100 5318300				
221	4217505	17 U 507100 5318275				
222	4217505	17 U 507100 5318250				
223	4217505	17 U 507100 5318225				
224	4217505	17 U 507100 5318200				
225	4217505	17 U 507100 5318175				
226	4217505	17 U 507100 5318150				
227	4217505	17 U 507100 5318125				
228	4217505	17 U 507100 5318100				

Mhakari Gold Corp.

Geochem Soil Samples - B Horizon

Grid #3 - Argyle Twp.

July 6/09

Sample #	Claim #	UTM - NAD 83		Notes		
229	4217505	17 U 507100 5318075				
230	4217505	17 U 507100 5318050				
231		17 U 507100 5318025		No Sample - Bedrock		
232	4217505	17 U 507100 5318000				
233	4217505	17 U 507100 5317975				

Total Samples Taken for Grid #3 = 40

Mhakari Gold Corp.

Geochem Soil Samples - B Horizon

Grid #4- Bannockburn Twp.

July 2/09

Sample #	Claim #	UTM - NAD 83	Notes
O		17 T 508350 5316150	No Sample - Bedrock
P		17 T 508350 5315650	No Sample - Lake
Q	3013810	17 T 508400 5316150	
R		17 T 508400 5315650	No Sample - Lake
S		17 T 508450 5316200	No Sample - Lake
T	3013810	17 T 508450 5315700	
U		17 T 508500 5316200	No Sample - Lake
V		17 T 508500 5315700	No Sample - Lake
234	3013810	17 T 508350 5316125	
235	3013810	17 T 508350 5316100	Old Clear-Cut
236	3013810	17 T 508350 5316075	
237	3013810	17 T 508349 5316050	Old Clear-Cut
238	3013810	17 T 508350 5316025	Old Clear-Cut
239	3013810	17 T 508350 5316000	
240	3013810	17 T 508350 5315975	
241	3013810	17 T 508350 5315950	
242	3013810	17 T 508350 5315925	
243	3013810	17 T 508350 5315900	
244	3013810	17 T 508350 5315875	
245	3013810	17 T 508350 5315851	
246	3013810	17 T 508350 5315825	
247	3013810	17 T 508350 5315800	
248	3013810	17 T 508350 5315775	
249	3013810	17 T 508350 5315750	
250		17 T 508349 5315725	No Sample - Bedrock
251		17 T 508349 5315699	No Sample - Bedrock
252		17 T 508350 5315675	No Sample - Lake
253	3013810	17 T 508400 5316125	
254	3013810	17 T 508400 5316101	
255	3013810	17 T 508400 5316075	
256	3013810	17 T 508400 5316050	
257	3013810	17 T 508400 5316025	
258	3013810	17 T 508400 5316000	
259	3013810	17 T 508400 5315975	
260	3013810	17 T 508400 5315950	
261	3013810	17 T 508400 5315925	
262	3013810	17 T 508400 5315900	

Mhakari Gold Corp.

Geochem Soil Samples - B Horizon

Grid #4- Bannockburn Twp.

July 2/09

Sample #	Claim #	UTM - NAD 83		Notes		
263	3013810	17 T 508400 5315875				
264	3013810	17 T 508400 5315850				
265	3013810	17 T 508400 5315825				
266	3013810	17 T 508400 5315800				
267	3013810	17 T 508400 5315775				
268	3013810	17 T 508400 5315750				
269	3013810	17 T 508400 5315725				
270	3013810	17 T 508400 5315700				
271	3013810	17 T 508400 5315676				
272		17 T 508450 5316175		No Sample - Lake		
273	**3013810**	**17 T 508450 5316150**				
274	3013810	17 T 508450 5316125				
275	3013810	17 T 508450 5316100				
276	3013810	17 T 508450 5316075				
277	3013810	17 T 508450 5316050		Swamp		
278	3013810	17 T 508450 5316025				
279	3013810	17 T 508450 5316000				
280	3013810	17 T 508450 5315975				
281	3013810	17 T 508450 5315950				
282	3013810	17 T 508450 5315925		Old Clear-Cut		
283	3013810	17 T 508450 5315900		Old Clear-Cut		
284	3013810	17 T 508450 5315875				
285	3013810	17 T 508450 5315850				
286	3013810	17 T 508450 5315825				
287	3013810	17 T 508450 5315800				
288	3013810	17 T 508450 5315775				
289	3013810	17 T 508450 5315750				
290	3013810	17 T 508450 5315725				
291		17 T 508499 5316175		No Sample - Lake		
292		17 T 508500 5316150		No Sample - Lake		
293	3013810	17 T 508500 5316125				
294		17 T 508500 5316100		No Sample - Muskeg		
295		17 T 508500 5316075		No Sample - Muskeg		
296	3013810	17 T 508500 5316050				
297	3013810	17 T 508500 5316025				
298	3013810	17 T 508500 5316000		Old Clear-Cut		
299	3013810	17 T 508500 5315975		Old Clear-Cut		

Mhakari Gold Corp.

Geochem Soil Samples - B Horizon

Grid #4- Bannockburn Twp.

July 2/09

Sample #	Claim #	UTM - NAD 83		Notes		
300	3013810	17 T 508500 5315950				
301	3013810	17 T 508500 5315925		Taken on old roadbed		
302	3013810	17 T 508500 5315901		Taken on old skidway		
303	3013810	17 T 508500 5315876				
304	3013810	17 T 508500 5315850				
305	3013810	17 T 508500 5315825				
306	3013810	17 T 508500 5315800		Old Clear-Cut		
307	3013810	17 T 508500 5315775				
308	3013810	17 T 508500 5315750				
309	3013810	17 T 508500 5315725		Old Clear-Cut		

Total Samples Taken for Grid #3 = 70

Certificate of Analysis for Enzyme Leach Data

Report: A09-3630 rev 1 Rev, 1
Report Date: 7/30/2009

Final Report
Activation Laboratories

Analyte Symbol	Cl	Br	I	V	As	Se	Mo	Sb	Te	W	Re	Au	Hg	Th	U	Co	Ni	Cu
Unit Symbol	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Detection Limit	1000	1	1	0.1	0.1	1	0.1	0.01	0.5	0.1	0.005	0.005	0.1	0.01	0.01	0.2	1	1
Analysis Method	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS
001	24000	171	52	12.4	1.2	8	0.3	0.84	< 0.5	< 0.1	0.066	< 0.005	< 0.1	0.85	0.87	27.1	29	7
002	21000	78	20	7.5	1.6	4	1	1	< 0.5	< 0.1	0.026	< 0.005	< 0.1	0.56	0.6	7.9	35	4
003	17000	167	33	9.2	1.6	4	0.2	0.39	< 0.5	< 0.1	0.117	< 0.005	< 0.1	0.7	0.74	18	43	10
004	26000	158	35	11.4	3.2	4	0.5	0.6	< 0.5	< 0.1	0.073	< 0.005	< 0.1	0.61	0.89	14.1	48	5
005	14000	118	22	14.8	2.7	4	0.4	0.38	< 0.5	< 0.1	0.044	< 0.005	< 0.1	0.45	0.57	9.4	56	3
006	16000	149	49	7.4	2.7	7	0.4	0.68	< 0.5	< 0.1	0.078	< 0.005	< 0.1	0.53	0.7	19.2	43	9
007	27000	148	60	18.6	1.9	4	1.9	0.57	< 0.5	< 0.1	0.049	< 0.005	0.1	0.89	0.92	39	31	55
008	30000	177	36	7.2	2.7	8	0.4	0.35	< 0.5	< 0.1	0.066	< 0.005	< 0.1	0.73	0.77	6.9	32	20
009	11000	62	14	51	12.8	4	1.2	0.55	< 0.5	0.2	0.043	< 0.005	< 0.1	0.42	0.53	8.5	56	18
010	12000	22	3	12	2	2	3.2	0.43	< 0.5	0.1	0.049	< 0.005	< 0.1	0.12	0.38	72.7	29	20
011	28000	58	9	19.8	6.1	3	0.8	0.28	< 0.5	< 0.1	0.112	< 0.005	< 0.1	0.47	0.45	44	24	19
014	22000	209	74	6	6.2	5	0.3	0.73	< 0.5	0.1	0.032	< 0.005	< 0.1	0.71	0.87	11.4	42	24
015	16000	91	17	58.3	1	3	4.1	0.65	< 0.5	0.2	0.05	< 0.005	< 0.1	0.52	0.54	11.7	17	11
016	18000	65	9	55.8	6.1	3	2.3	0.38	< 0.5	< 0.1	0.103	< 0.005	< 0.1	0.46	0.36	28.7	62	12
017	25000	162	25	9	6.6	5	0.4	0.73	< 0.5	< 0.1	0.099	< 0.005	< 0.1	0.49	0.54	12.3	42	6
018	14000	38	4	91.3	3.7	2	1.9	0.08	< 0.5	0.2	0.08	< 0.005	< 0.1	0.26	0.19	10	91	3
019	11000	54	8	53.9	4.6	3	1.3	0.1	< 0.5	0.1	0.06	< 0.005	< 0.1	0.46	0.21	4	23	6
021	9000	71	17	112	4.6	3	31.3	0.71	< 0.5	0.4	0.033	< 0.005	< 0.1	1.29	1.16	127	30	110
023	42000	61	10	129	7.3	3	5.3	0.39	< 0.5	0.2	0.053	< 0.005	< 0.1	0.66	0.35	10.2	32	15
024	17000	65	13	19.2	4.8	3	1.3	0.16	< 0.5	0.1	0.036	< 0.005	< 0.1	0.38	0.42	13.7	45	11
025	37000	192	23	12.9	3.4	6	0.9	0.6	< 0.5	< 0.1	0.144	< 0.005	< 0.1	0.47	0.51	19.2	44	11
026	22000	100	14	56.3	7.9	5	1.1	0.45	< 0.5	< 0.1	0.134	< 0.005	< 0.1	0.47	0.5	9.6	77	14
027	21000	154	33	19.6	5.2	6	1.7	0.86	< 0.5	< 0.1	0.093	< 0.005	< 0.1	0.76	1.09	26.8	51	12
028	20000	109	22	10.3	0.7	5	0.4	0.24	< 0.5	< 0.1	0.043	< 0.005	< 0.1	0.59	0.74	10.9	35	7
029	41000	149	25	20.1	3.7	4	0.8	0.66	< 0.5	< 0.1	0.044	< 0.005	< 0.1	0.46	0.52	11.5	34	8
030	33000	111	18	10.5	1.8	6	1.7	< 0.01	< 0.5	< 0.1	0.068	< 0.005	< 0.1	0.57	0.63	31.8	44	14
031	31000	138	41	19.5	3	6	1.1	1.19	< 0.5	0.1	0.041	< 0.005	< 0.1	0.58	0.68	12.1	37	10
032	20000	78	16	28.9	5.5	5	2	0.81	< 0.5	0.1	0.08	< 0.005	< 0.1	0.81	0.79	35.3	82	11
033	44000	193	29	13.9	1.9	10	0.9	1.44	< 0.5	< 0.1	0.116	< 0.005	< 0.1	0.41	0.71	16.7	65	11
034	49000	87	14	73	13.4	7	6.2	1.38	< 0.5	0.5	0.053	< 0.005	< 0.1	0.34	0.42	44.4	66	24
036	34000	49	9	33.2	12.1	8	12.9	0.98	< 0.5	0.6	0.079	< 0.005	< 0.1	0.52	0.23	84	37	13
037	44000	98	20	5	1.3	5	1	0.49	< 0.5	< 0.1	0.096	< 0.005	< 0.1	0.45	0.66	43.2	45	8
038	34000	87	14	62.1	6.8	5	1.6	0.5	< 0.5	0.2	0.137	< 0.005	< 0.1	0.68	0.61	14.4	33	18
039	21000	122	29	11.3	4.1	6	0.6	0.5	< 0.5	0.1	0.207	< 0.005	< 0.1	0.61	0.75	8.4	40	13
041	32000	148	22	50.8	7.4	5	1.1	0.49	< 0.5	0.2	0.078	< 0.005	< 0.1	0.54	0.39	6.9	37	8
042	31000	125	31	9.4	2.4	11	1.6	0.47	< 0.5	0.1	0.022	< 0.005	< 0.1	1.09	0.93	29	60	15
043	38000	227	25	4.4	3.5	4	0.2	0.32	< 0.5	< 0.1	0.081	< 0.005	< 0.1	0.46	0.58	21.9	42	14
044	28000	118	20	35.3	8.1	7	1	0.5	< 0.5	0.1	0.075	< 0.005	< 0.1	0.92	0.73	26.6	49	26
045	34000	163	77	17.1	2.9	6	0.9	0.1	< 0.5	0.1	0.109	< 0.005	< 0.1	0.42	0.59	21.9	37	7
046	28000	117	26	8.6	2.7	5	0.4	0.41	< 0.5	< 0.1	0.037	< 0.005	< 0.1	0.65	0.52	10.1	39	28
047	19000	191	24	12.5	5.6	6	0.8	0.19	< 0.5	< 0.1	0.151	< 0.005	< 0.1	0.6	0.68	20.5	58	10
048	25000	116	20	18.7	5.8	4	1	0.16	< 0.5	0.1	0.123	< 0.005	< 0.1	0.98	1.19	99.7	37	68
051	50000	132	23	18.9	4	6	1	0.55	< 0.5	0.1	0.12	< 0.005	< 0.1	0.47	0.53	28.4	50	14
052	35000	123	25	3.8	2.2	7	0.4	0.59	< 0.5	< 0.1	0.074	< 0.005	< 0.1	0.65	0.68	56.5	37	15
053	36000	147	31	12.7	3.8	6	0.5	0.28	< 0.5	< 0.1	0.096	< 0.005	< 0.1	1.09	0.97	45	37	25
054	32000	95	14	41.4	3.9	6	2.4	0.6	< 0.5	0.2	0.094	< 0.005	< 0.1	0.52	0.5	60.4	55	28
055	24000	63	12	28.6	5.8	4	1.7	0.26	< 0.5	0.2	0.129	< 0.005	< 0.1	0.57	0.39	9.6	61	14
056	28000	133	29	25.9	2.7	4	0.7	0.36	< 0.5	< 0.1	0.156	< 0.005	0.1	0.61	0.52	16	39	11
057	18000	103	17	24.1	5.2	5	1.4	0.21	< 0.5	< 0.1	0.1	< 0.005	< 0.1	0.45	0.54	10.2	69	10

Final Report
Activation Laboratories

Analyte Symbol	Cl	Br	I	V	As	Se	Mo	Sb	Te	W	Re	Au	Hg	Th	U	Co	Ni	Cu
Unit Symbol	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Detection Limit	1000	1	1	0.1	0.1	1	0.1	0.01	0.5	0.1	0.005	0.005	0.1	0.01	0.01	0.2	1	1
Analysis Method	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS
058	22000	109	19	60.9	3.1	3	3.1	< 0.01	< 0.5	0.3	0.024	< 0.005	0.1	0.7	0.24	56.2	131	9
059	10000	29	6	20.5	2.6	2	1.7	0.15	< 0.5	< 0.1	0.051	< 0.005	< 0.1	0.16	0.17	5.9	26	2
060	19000	68	14	12.4	1.4	2	0.2	0.03	< 0.5	0.1	0.023	< 0.005	0.1	0.9	0.53	119	71	47
061	29000	105	13	21.9	6.1	4	1.6	0.28	< 0.5	0.2	0.11	< 0.005	0.1	0.56	0.4	13.9	31	12
062	18000	60	12	20.1	0.5	2	0.8	0.34	< 0.5	< 0.1	0.062	< 0.005	< 0.1	0.5	0.6	7.2	17	7
063	30000	59	14	86.2	5.4	3	2.6	0.13	< 0.5	0.2	0.093	< 0.005	< 0.1	0.56	0.4	5.4	19	13
067	14000	85	22	26.1	3.5	4	27.5	0.27	< 0.5	0.2	0.04	< 0.005	< 0.1	0.76	1.1	45.3	27	34
068	18000	75	14	20.2	3.4	2	9.7	0.44	< 0.5	< 0.1	0.046	< 0.005	< 0.1	0.32	0.52	8.9	27	5
069	22000	60	15	50	4.6	3	4.5	0.23	< 0.5	0.2	0.138	< 0.005	0.2	0.7	0.55	6.9	25	8
070	19000	73	14	42.4	5.5	4	3.5	0.14	< 0.5	0.1	0.05	< 0.005	< 0.1	0.31	0.41	17.9	49	8
071	25000	42	7	52.8	7.1	4	4.7	0.41	< 0.5	0.2	0.132	< 0.005	< 0.1	0.52	0.27	5.3	24	19
072	18000	57	13	10.8	1.1	3	19 6	0.07	< 0.5	< 0.1	0.086	< 0.005	< 0.1	0.51	0.83	66.2	29	346
073	20000	104	23	9.7	1.1	5	1.6	0.3	< 0.5	< 0.1	0.074	< 0.005	< 0.1	0.59	0.71	15.4	46	22
074	22000	118	26	19.6	4.4	7	1.6	1.06	< 0.5	0.1	0.104	< 0.005	< 0.1	0.63	0.57	25.4	62	14
075	17000	39	9	150	7.5	3	9.1	0.37	< 0.5	0.4	0.126	< 0.005	< 0.1	0.48	0.29	6.1	27	12
076	12000	65	13	30	3.5	2	16.6	0.2	< 0.5	0.2	0.046	< 0.005	< 0.1	0.44	0.63	16.8	21	16
077	6000	76	22	30.6	1.4	3	11.3	0.19	< 0.5	0.5	0.026	< 0.005	< 0.1	0.8	0.91	11.5	12	179
079	27000	127	29	20	6.2	6	1.1	0.54	< 0.5	0.1	0.086	< 0.005	0.2	0.6	0.7	27.7	62	16
080	24000	214	38	11.9	6.2	5	0.6	0.33	< 0.5	0.1	0.073	< 0.005	0.2	0.94	1.17	35.6	52	24
081	14000	91	69	10.7	1.6	8	3.7	0.51	< 0.5	< 0.1	0.047	< 0.005	< 0.1	0.49	0.82	52.4	87	14
082	28000	137	30	17.2	4	2	0.6	0.05	< 0.5	< 0.1	0.067	< 0.005	< 0.1	0.9	0.93	9.3	39	8
083	22000	64	12	93.8	10.1	3	2.2	0.35	< 0.5	0.2	0.009	< 0.005	< 0.1	0.62	0.39	5.4	31	9
084	18000	72	17	34.8	10	4	1.7	0.26	< 0.5	0.1	0.043	< 0.005	< 0.1	0.51	0.38	5.4	33	9
085	28000	47	9	144	11.2	3	3.2	0.49	< 0.5	0.3	0.044	< 0.005	< 0.1	0.44	0.23	6.7	32	12
086	25000	121	21	3.5	1.5	5	0.2	< 0.01	< 0.5	< 0.1	0.084	< 0.005	< 0.1	0.45	0.5	16.8	35	10
087	28000	91	25	19.7	1.8	4	0.8	0.28	< 0.5	0.1	0.031	< 0.005	< 0.1	0.69	0.63	34.8	61	16
089	21000	17	2	16.5	2.2	< 1	2.5	0.25	< 0.5	0.1	0.045	< 0.005	< 0 1	0.1	0.08	1.7	10	< 1
090	19000	78	11	10.6	0.9	1	0.2	< 0.01	< 0.5	< 0.1	0.026	< 0.005	< 0.1	0.46	0.45	37.4	56	8
091	28000	71	14	117	6.8	4	4.3	0.09	< 0.5	0.2	0.074	< 0.005	0.1	0.44	0.48	8.8	33	11
092	21000	158	35	16.2	4.3	4	0.5	0.43	< 0.5	< 0.1	0.147	< 0.005	< 0.1	0.79	0.83	22.2	35	10
093	33000	133	31	75.4	10.9	6	2.1	0.74	< 0.5	0.3	0.113	< 0.005	< 0.1	1	1.2	26.8	51	42
094	15000	99	60	12	5.2	4	0.5	0.62	< 0.5	< 0.1	0.081	< 0.005	< 0.1	1.08	1.14	49.1	63	24
096	26000	103	23	38.3	4.8	4	5.3	0.35	< 0.5	0.2	0.07	< 0.005	0.1	1.37	0.46	29.9	37	21
097	18000	100	28	29.9	6.6	3	1.8	0.54	< 0.5	0.1	0.056	< 0.005	< 0.1	3.36	1.92	62.2	48	26
098	19000	149	26	25	1.3	4	1.6	0.79	< 0.5	< 0.1	0.043	< 0.005	< 0.1	0.81	0.85	7.1	13	6
101	30000	75	19	21.2	1.4	2	6.9	0.31	< 0.5	0.2	0.05	< 0.005	< 0.1	1.2	0.87	101	44	45
102	33000	77	14	89.9	6.9	4	1.3	< 0.01	< 0.5	0.1	0.07	< 0.005	< 0.1	0.64	0.48	26.2	46	12
110	29000	71	14	15.3	5.1	2	1.2	0.05	< 0.5	< 0.1	0.06	< 0.005	< 0.1	1.04	0.42	38.4	61	14
112	20000	23	4	45.2	4	2	4.3	0.19	< 0.5	0.1	0.068	< 0.005	< 0.1	0.21	0.31	12.1	39	9
125	17000	87	28	13.3	3.5	2	0.2	0.05	< 0.5	< 0.1	0.043	< 0.005	< 0.1	0.8	0.99	7.9	37	9
126	19000	107	26	8.8	5.9	4	0.6	0.32	< 0.5	0.1	0.051	< 0.005	0.1	1.24	0.72	49.8	65	15
127	23000	152	37	20.1	7.4	5	1.5	0.36	< 0.5	0.2	0.035	< 0.005	< 0.1	2.4	0.95	51.7	179	30
128	39000	178	42	10	3.6	4	0.6	0.01	< 0.5	0.1	0.06	< 0.005	< 0.1	0.85	0.92	64.9	62	27
129	13000	54	17	35.5	5.1	2	0.9	0.15	< 0.5	0.1	0.012	< 0.005	0.2	0.38	0.23	11.3	47	7
130	7000	73	29	29.6	4.1	3	0.4	0.5	< 0.5	0.2	0.039	< 0.005	< 0.1	1.21	0.88	14.6	49	13
131	25000	91	19	63	6.8	3	1.1	0.19	< 0.5	0.1	0.146	< 0.005	0.1	1.23	0.36	8.9	73	11
132	21000	112	28	7.2	2.1	3	0.1	0.3	< 0.5	< 0.1	0.029	< 0.005	< 0.1	0.66	0.49	29.7	45	14
133	13000	111	48	9.7	3	4	0.2	0.18	< 0.5	< 0.1	0.081	< 0.005	< 0.1	1.34	1.32	13.2	71	10
134	25000	45	16	97.6	16.6	3	3	0.49	< 0.5	0.5	0.101	< 0.005	< 0.1	0.8	0.45	3.6	27	6

Final Report
Activation Laboratories

Analyte Symbol	Cl	Br	I	V	As	Se	Mo	Sb	Te	W	Re	Au	Hg	Th	U	Co	Ni	Cu
Unit Symbol	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Detection Limit	1000	1	1	0.1	0.1	1	0.1	0.01	0.5	0.1	0.005	0.005	0.1	0.01	0.01	0.2	1	1
Analysis Method	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS
135	32000	168	64	10.7	5	7	0.9	0.47	< 0.5	0.2	0.108	< 0.005	0.2	1.11	0.78	74.4	162	29
136	17000	49	18	123	8.9	3	1.3	0.38	< 0.5	0.3	0.045	< 0.005	< 0.1	2.14	0.5	12.3	53	6
137	17000	84	24	56.3	7.1	4	0.5	0.35	< 0.5	0.1	0.073	< 0.005	0.2	0.65	0.56	10	66	11
138	21000	130	34	19.1	5.5	3	0.6	0.17	< 0.5	< 0.1	0.077	< 0.005	< 0.1	0.76	0.49	6.4	48	7
139	11000	59	14	99.1	7.8	4	1.4	0.37	< 0.5	0.2	0.111	< 0.005	0.2	0.83	0.43	5.6	28	8
140	34000	112	27	58.6	9.3	3	1	0.48	< 0.5	0.1	0.154	< 0.005	< 0.1	0.9	0.4	6.9	34	7
141	17000	100	26	31.7	7.3	3	0.7	0.17	< 0.5	< 0.1	0.072	< 0.005	0.1	0.69	0.41	5.4	36	8
142	43000	175	36	25.7	12.7	3	0.9	0.26	< 0.5	0.2	0.129	< 0.005	< 0.1	2.5	0.89	40.6	102	25
143	29000	115	22	231	19	5	1.5	0.43	< 0.5	0.2	0.187	< 0.005	< 0.1	1.62	0.59	4.6	45	21
144	13000	55	13	203	8.2	2	0.9	0.58	< 0.5	0.2	0.126	< 0.005	< 0.1	0.77	0.43	6.2	30	8
145	14000	108	43	20.5	8.2	3	0.5	0.29	< 0.5	0.1	0.083	< 0.005	< 0.1	0.43	0.5	6.3	36	6
146	45000	92	22	119	12.8	3	2.8	0.74	< 0.5	0.5	0.087	< 0.005	< 0.1	2.19	0.31	10.5	70	5
147	19000	186	47	1.9	3.4	6	0.2	0.47	< 0.5	0.1	0.085	< 0.005	< 0.1	0.57	0.75	8.4	52	3
148	21000	85	22	19.1	2.4	2	0.3	0.38	< 0.5	< 0.1	0.066	< 0.005	< 0.1	0.66	0.5	10.1	67	2
149	20000	101	36	97	23.9	6	1.2	0.52	< 0.5	0.3	0.073	< 0.005	< 0.1	1.18	0.52	10.3	45	8
150	9000	45	14	90.7	6.2	3	0.9	0.47	< 0.5	0.2	0.058	< 0.005	< 0.1	0.44	0.43	3.3	27	2
151	15000	66	19	43.9	4.8	3	0.4	0.15	< 0.5	< 0.1	0.05	< 0.005	< 0.1	0.7	0.34	7.1	32	9
152	29000	96	32	56.8	8.9	3	0.9	0.64	< 0.5	0.1	0.07	< 0.005	< 0.1	1.61	0.5	26.9	54	12
157	6000	32	9	36.1	3.3	1	0.8	0.28	< 0.5	< 0.1	0.025	< 0.005	< 0.1	0.44	0.59	18.5	48	7
158	21000	92	29	13.9	2	3	0.4	0.72	< 0.5	< 0.1	0.047	< 0.005	< 0.1	0.66	0.62	22.5	33	7
159	25000	154	29	5.6	3.9	7	0.2	0.49	< 0.5	< 0.1	0.125	< 0.005	0.1	0.65	0.78	7.2	39	15
160	8000	19	2	24.5	2.4	< 1	1.4	0.02	< 0.5	< 0.1	0.088	< 0.005	< 0.1	0.06	0.05	0.7	3	< 1
163	15000	45	7	81.6	2.4	< 1	1.4	0.05	< 0.5	< 0.1	0.027	< 0.005	< 0.1	0.17	0.11	3.3	6	< 1
164	7000	27	3	577	12	< 1	3.2	0.05	< 0.5	0.3	0.007	< 0.005	< 0.1	0.38	0.36	6.9	31	3
170	21000	92	25	17.3	4.5	3	0.4	0.26	< 0.5	< 0.1	0.043	< 0.005	< 0.1	0.55	0.37	8.2	49	4
171	18000	111	29	23.6	8.8	5	1.1	0.67	< 0.5	0.2	0.098	< 0.005	< 0.1	1.43	0.52	17.8	72	22
172	13000	108	22	108	9.4	4	0.7	0.35	< 0.5	0.1	0.206	< 0.005	< 0.1	1.38	0.67	8	39	32
173	10000	51	12	83.2	7	2	1.8	0.17	< 0.5	0.2	0.095	< 0.005	< 0.1	0.75	0.43	5.6	31	6
174	10000	27	6	104	7.7	2	2.4	0.28	< 0.5	0.3	0.091	< 0.005	< 0.1	0.44	0.24	2.7	26	7
175	25000	113	32	7.6	2.4	5	0.2	0.23	< 0.5	< 0.1	0.045	< 0.005	0.1	0.62	0.53	7.9	36	9
176	27000	73	17	31.3	3.7	3	0.6	0.07	< 0.5	< 0.1	0.106	< 0.005	< 0.1	0.57	0.45	8.9	59	9
177	19000	51	10	126	14.1	2	2	0.3	< 0.5	0.4	0.035	< 0.005	< 0.1	1.44	0.45	3.7	33	14
178	13000	97	29	13.3	3.1	< 1	0.2	0.02	< 0.5	< 0.1	0.044	< 0.005	< 0.1	1.19	0.6	26.8	112	17
179	13000	115	33	60.1	6.3	5	0.8	0.47	< 0.5	< 0.1	0.112	< 0.005	< 0.1	1.16	0.49	6.6	43	13
180	16000	40	10	121	8.9	3	2.2	0.49	< 0.5	0.3	0.123	< 0.005	< 0.1	0.66	0.22	1.6	15	8
181	27000	155	33	4.8	4.7	12	0.8	0.46	< 0.5	0.2	0.054	< 0.005	0.2	0.69	0.53	9.3	98	19
182	19000	70	17	35.9	9.6	4	2	0.55	< 0.5	0.2	0.085	< 0.005	< 0.1	0.67	0.2	4.6	39	4
183	40000	94	16	48.6	6.8	4	1.2	0.34	< 0.5	0.2	0.099	< 0.005	< 0.1	0.53	0.28	11.8	55	5
184	16000	82	25	11.7	2.9	3	0.5	0.23	< 0.5	0.1	0.059	< 0.005	0.1	1.1	0.63	15.3	107	5
185	15000	92	32	23.8	11.2	4	0.4	0.52	< 0.5	< 0.1	0.031	< 0.005	< 0.1	1.65	1.06	3	22	9
186	24000	65	24	6.5	0.7	1	0.2	0.06	< 0.5	< 0.1	0.043	< 0.005	< 0.1	0.59	0.44	18.7	58	7
187	17000	66	18	38.7	5.2	3	0.8	0.25	< 0.5	0.1	0.096	< 0.005	< 0.1	0.45	0.39	2.9	27	4
188	17000	98	22	30.8	5	2	0.3	0.2	< 0.5	< 0.1	0.051	< 0.005	< 0.1	1.12	0.74	9.5	50	11
189	20000	101	27	5.8	4.1	4	0.4	0.29	< 0.5	< 0.1	0.144	< 0.005	< 0.1	0.67	0.7	16.1	78	8
190	26000	123	29	26.4	5.4	4	0.5	0.2	< 0.5	0.1	0.125	< 0.005	< 0.1	0.55	0.44	3.2	20	3
191	28000	94	27	19.1	3.9	3	0.6	0.25	< 0.5	0.1	0.075	< 0.005	< 0.1	0.47	0.35	3.1	19	7
192	25000	70	25	20.4	4.7	4	0.4	0.28	< 0.5	0.1	0.08	< 0.005	< 0.1	1.07	0.52	15.1	49	14
193	21000	72	44	6.1	2.2	3	0.3	0.32	< 0.5	< 0.1	0.079	0.007	0.2	0.91	0.64	4.7	28	8
194	28000	124	76	10.5	4.3	4	0.4	0.23	< 0.5	0.1	0.088	< 0.005	0.1	0.52	0.51	4.1	23	6

Final Report
Activation Laboratories

Analyte Symbol	Cl	Br	I	V	As	Se	Mo	Sb	Te	W	Re	Au	Hg	Th	U	Co	Ni	Cu
Unit Symbol	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Detection Limit	1000	1	1	0.1	0.1	1	0.1	0.01	0.5	0.1	0.005	0.005	0.1	0.01	0.01	0.2	1	1
Analysis Method	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS
195	20000	110	65	6.5	1.6	7	< 0.1	0.22	< 0.5	< 0.1	0.056	< 0.005	0.2	0.79	1.09	6	31	10
197	24000	104	23	39.2	4.7	3	1.2	0.14	< 0.5	0.1	0.123	< 0.005	< 0.1	0.66	0.43	4	21	8
198	26000	151	40	9.5	2.2	5	0.2	0.24	< 0.5	< 0.1	0.072	< 0.005	< 0.1	1.16	1.01	4.8	25	8
199	29000	277	55	5.2	5.5	10	1.4	0.4	< 0.5	0.1	0.115	< 0.005	0.2	0.58	0.73	6.3	50	8
200	20000	194	68	8.7	3.1	8	0.5	0.65	< 0.5	< 0.1	0.107	< 0.005	< 0.1	0.56	0.98	10.1	42	7
201	16000	42	10	17.1	2.9	2	1.1	0.32	< 0.5	0.1	0.088	< 0.005	< 0.1	0.15	0.3	13.8	43	3
202	22000	60	16	39.2	4.6	3	1.5	0.4	< 0.5	0.1	0.084	< 0.005	0.1	0.43	0.36	33.6	108	8
203	23000	44	9	34.6	5.2	2	1.6	0.34	< 0.5	0.1	0.043	< 0.005	< 0.1	0.2	0.21	9	34	4
205	18000	81	29	19.8	0.9	2	0.2	0.24	< 0.5	< 0.1	0.019	< 0.005	< 0.1	0.71	0.65	12.6	26	9
206	31000	121	35	12.8	1.3	4	0.4	0.68	< 0.5	< 0.1	0.059	< 0.005	< 0.1	0.49	0.83	11.1	30	6
207	29000	99	23	13.3	1	3	0.3	0.53	< 0.5	< 0.1	0.059	< 0.005	< 0.1	0.46	0.59	16	30	5
208	18000	43	18	9	1.8	4	0.8	0.55	< 0.5	< 0.1	0.049	< 0.005	< 0.1	0.34	0.31	15.4	31	2
209	21000	117	31	16.7	0.9	3	0.2	0.43	< 0.5	< 0.1	0.067	< 0.005	< 0.1	0.51	0.62	11.4	24	3
210	18000	80	20	25.6	0.6	2	0.3	0.12	< 0.5	< 0.1	0.035	< 0.005	< 0.1	1.04	0.77	23.2	35	8
211	19000	97	23	9.9	0.7	2	0.2	0.15	< 0.5	< 0.1	0.039	< 0.005	< 0.1	0.72	0.7	12.8	26	8
212	25000	61	12	24.3	3.4	2	1	0.16	< 0.5	< 0.1	0.126	< 0.005	< 0.1	0.25	0.23	4.3	20	3
213	22000	163	34	12	3.2	4	0.3	0.21	< 0.5	< 0.1	0.092	< 0.005	0.2	0.53	0.49	4.2	26	3
214	23000	114	23	5.8	1.6	4	0.3	0.18	< 0.5	< 0.1	0.078	< 0.005	< 0.1	0.41	0.51	5.5	17	3
215	21000	67	16	24.3	4	2	0.6	0.33	< 0.5	< 0.1	0.053	< 0.005	< 0.1	0.48	0.34	19.8	45	5
216	41000	181	33	15.4	2.7	6	0.9	0.59	< 0.5	0.2	0.186	< 0.005	0.1	0.5	0.79	9.4	44	7
217	30000	118	32	21.6	4.9	5	1.1	0.58	< 0.5	0.1	0.139	< 0.005	< 0.1	0.43	0.42	9.9	70	6
218	28000	175	34	25.5	5.3	5	1.6	0.7	< 0.5	0.2	0.2	< 0.005	0.1	0.69	0.56	20.1	71	6
219	20000	79	28	15.3	0.6	2	0.2	0.19	< 0.5	< 0.1	0.06	< 0.005	< 0.1	0.68	0.66	17.4	24	6
220	25000	120	34	12.1	1.2	3	0.3	0.29	< 0.5	< 0.1	0.06	< 0.005	< 0.1	0.81	0.69	11.4	19	6
221	15000	105	135	10.7	1.5	2	0.3	0.36	< 0.5	< 0.1	0.05	< 0.005	< 0.1	0.53	0.59	13.8	27	6
222	15000	82	29	13.6	2	3	0.7	0.24	< 0.5	< 0.1	0.064	< 0.005	< 0.1	0.66	0.65	7.6	36	10
223	15000	43	11	138	6.8	1	2.9	0.14	< 0.5	0.1	0.023	< 0.005	< 0.1	0.55	0.32	2.9	20	9
224	12000	37	10	24.9	1.1	3	32	0.48	< 0.5	0.3	0.032	< 0.005	< 0.1	0.58	0.53	2.6	17	37
225	27000	75	21	58.5	6.3	3	1.5	0.23	< 0.5	0.1	0.143	< 0.005	< 0.1	0.44	0.5	10	105	12
226	14000	54	15	15	1.3	4	2.1	0.47	< 0.5	< 0.1	0.057	< 0.005	< 0.1	0.58	1.02	57.8	43	24
227	25000	152	33	18.3	4.3	3	0.6	0.3	< 0.5	< 0.1	0.133	< 0.005	0.1	0.62	0.7	12.4	37	10
228	23000	77	17	37.2	7.7	3	1.3	0.37	< 0.5	0.2	0.091	< 0.005	< 0.1	0.53	0.42	17.7	33	4
229	23000	164	39	11.4	3	4	0.6	0.41	< 0.5	< 0.1	0.14	< 0.005	< 0.1	0.59	0.58	17.9	36	11
230	21000	87	24	6.9	1.9	4	0.4	0.4	< 0.5	0.1	0.056	< 0.005	< 0.1	0.48	0.57	27.6	45	5
232	21000	91	26	10.1	0.6	3	0.1	0.1	< 0.5	< 0.1	0.152	< 0.005	< 0.1	0.62	0.52	13.3	21	16
233	30000	133	31	46.8	7.3	6	2.1	0.42	< 0.5	0.1	0.193	< 0.005	0.1	0.38	0.47	20.1	48	13
234	30000	101	21	11.9	5.1	4	0.8	0.54	< 0.5	0.2	0.079	< 0.005	< 0.1	0.82	0.87	12.8	36	5
235	39000	94	60	43.2	6.6	6	0.7	1.02	0.6	0.2	0.04	< 0.005	0.2	1.05	0.56	20.7	69	12
236	21000	96	110	9.7	0.8	4	0.1	0.17	< 0.5	< 0.1	0.024	< 0.005	< 0.1	0.41	0.49	13.4	26	2
237	12000	99	61	17.3	0.4	3	< 0.1	0.07	< 0.5	< 0.1	0.03	< 0.005	< 0.1	0.41	0.49	6.6	23	1
238	33000	106	47	18.2	3.4	3	0.3	0.39	< 0.5	< 0.1	0.025	< 0.005	0.1	1.03	0.71	9.9	35	12
239	41000	129	31	14	5.1	4	0.5	0.29	< 0.5	< 0.1	0.089	< 0.005	< 0.1	0.47	0.44	9.2	42	8
240	20000	62	31	18.6	5.1	4	0.6	0.17	< 0.5	< 0.1	0.076	< 0.005	< 0.1	0.4	0.63	7.1	33	7
241	41000	115	30	11.9	1.8	3	0.5	0.11	< 0.5	< 0.1	0.084	< 0.005	0.2	0.71	0.5	13	52	8
242	23000	61	23	36.1	7.5	2	0.5	0.1	< 0.5	< 0.1	0.081	< 0.005	< 0.1	0.63	0.27	3.3	15	7
243	19000	130	50	< 0.1	1.8	4	0.2	< 0.01	< 0.5	< 0.1	0.051	< 0.005	< 0.1	0.42	0.39	5.7	11	< 1
244	18000	158	37	3.5	1.7	2	< 0.1	0.51	< 0.5	< 0.1	0.044	< 0.005	< 0.1	0.26	0.61	2.9	8	< 1
245	21000	115	16	10	0.6	1	< 0.1	0.65	< 0.5	< 0.1	0.03	< 0.005	< 0.1	0.42	0.56	2.5	8	< 1
246	37000	94	35	7.5	4.9	2	0.4	0.01	< 0.5	< 0.1	0.043	< 0.005	< 0.1	0.42	0.54	6.9	25	6

Final Report
Activation Laboratories

Analyte Symbol	Cl	Br	I	V	As	Se	Mo	Sb	Te	W	Re	Au	Hg	Th	U	Co	Ni	Cu
Unit Symbol	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Detection Limit	1000	1	1	0.1	0.1	1	0.1	0.01	0.5	0.1	0.005	0.005	0.1	0.01	0.01	0.2	1	1
Analysis Method	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS
247	14000	55	11	24.4	1.2	2	0.3	0.43	< 0.5	< 0.1	0.03	< 0.005	< 0.1	0.38	0.27	6.7	25	< 1
248	7000	18	3	36.6	0.4	< 1	0.2	0.04	< 0.5	< 0.1	0.007	< 0.005	< 0.1	0.37	0.23	4.3	26	< 1
249	14000	14	< 1	153	4.5	< 1	4.2	0.26	< 0.5	0.4	0.012	< 0.005	< 0.1	0.65	1.28	1.4	10	1
253	28000	60	20	10.3	3.8	3	0.7	0.53	< 0.5	< 0.1	0.042	< 0.005	< 0.1	0.64	0.58	20	29	3
254	31000	76	29	31.4	4.7	5	1.3	0.48	< 0.5	0.2	0.023	< 0.005	0.1	0.69	0.51	7.1	23	7
255	29000	105	35	10.7	3.1	10	1.1	0.33	< 0.5	0.2	0.104	< 0.005	< 0.1	0.66	0.59	13.6	60	8
256	20000	90	48	8.9	1.2	5	0.4	0.23	< 0.5	0.1	0.134	< 0.005	< 0.1	0.43	0.52	6.3	29	< 1
257	13000	71	48	10.7	0.5	3	< 0.1	0.16	< 0.5	< 0.1	0.025	< 0.005	< 0.1	0.38	0.45	16.4	33	< 1
258	23000	76	54	10	1.3	4	0.2	0.2	< 0.5	< 0.1	0.022	< 0.005	< 0.1	0.48	0.55	32.1	25	3
259	32000	135	21	3.9	1	6	0.5	0.08	< 0.5	0.1	0.056	< 0.005	< 0.1	0.39	0.54	21	54	6
260	24000	127	43	39	8.9	3	0.6	0.14	< 0.5	< 0.1	0.023	< 0.005	< 0.1	0.46	0.71	31.5	31	6
261	25000	93	39	6.9	2	4	0.6	0.16	< 0.5	< 0.1	0.076	< 0.005	< 0.1	0.55	0.53	12.2	42	3
262	30000	87	38	17	4.3	4	0.7	0.11	< 0.5	< 0.1	0.086	< 0.005	< 0.1	0.47	0.43	8.3	29	5
263	17000	90	33	16.3	8.3	2	0.6	0.36	< 0.5	< 0.1	0.151	< 0.005	< 0.1	0.43	0.41	7	34	5
264	16000	54	48	7.8	3.7	5	0.8	0.33	< 0.5	0.1	0.071	< 0.005	< 0.1	0.67	0.53	15.9	56	3
265	19000	61	26	18.4	4	3	1	0.21	< 0.5	< 0.1	0.082	< 0.005	< 0.1	0.3	0.33	6.3	31	1
266	20000	59	50	9.5	0.5	1	< 0.1	0.03	< 0.5	< 0.1	0.039	< 0.005	< 0.1	0.38	0.62	6.2	20	< 1
267	32000	180	73	6.6	8.2	4	0.7	0.23	< 0.5	0.1	0.076	< 0.005	< 0.1	0.53	0.57	8.8	39	2
268	33000	100	42	4.5	2.3	5	0.6	0.33	< 0.5	< 0.1	0.037	< 0.005	< 0.1	0.57	0.52	6.7	35	5
269	22000	134	46	2.5	1.6	5	< 0.1	0.32	< 0.5	< 0.1	0.136	< 0.005	< 0.1	0.37	0.51	6.5	28	1
270	24000	143	78	2.8	1.3	5	0.2	0.17	< 0.5	< 0.1	0.074	< 0.005	< 0.1	0.5	0.62	16.7	74	4
271	20000	48	23	44	4.1	3	1.6	0.22	< 0.5	0.2	0.083	< 0.005	< 0.1	0.46	0.38	7	41	2
273	24000	49	19	30.8	4.6	3	0.9	0.13	< 0.5	< 0.1	0.094	< 0.005	< 0.1	0.33	0.54	6.4	33	4
274	20000	18	11	39.6	4.5	4	2.4	0.31	< 0.5	0.2	0.092	< 0.005	< 0.1	0.33	0.12	7.5	25	< 1
275	34000	108	32	6.6	1.3	7	0.6	0.53	< 0.5	< 0.1	0.081	< 0.005	< 0.1	0.62	0.67	9.3	35	< 1
276	34000	79	32	12.9	1.5	1	0.4	0.1	< 0.5	< 0.1	0.021	< 0.005	< 0.1	0.66	0.6	62.4	35	4
277	27000	27	4	112	1.9	< 1	1.9	0.05	< 0.5	0.2	0.06	< 0.005	< 0.1	0.62	0.28	3.8	22	2
278	34000	117	48	15.9	4.9	3	0.4	0.44	< 0.5	< 0.1	0.083	< 0.005	< 0.1	0.78	0.68	14.9	35	3
279	35000	127	45	7.9	2.3	5	0.5	0.14	< 0.5	0.1	0.063	< 0.005	0.1	0.57	0.61	6.5	49	< 1
280	43000	123	32	7.8	0.8	4	0.6	0.25	< 0.5	0.1	0.1	< 0.005	< 0.1	0.48	0.54	9.7	31	3
281	63000	157	41	48.8	4.2	3	0.9	0.43	< 0.5	< 0.1	0.115	< 0.005	0.1	0.65	0.5	11.4	37	9
282	22000	68	19	5.2	0.5	3	0.2	0.14	< 0.5	< 0.1	0.023	< 0.005	< 0.1	0.33	0.38	8.9	28	2
283	24000	41	12	5.4	0.3	1	0.3	< 0.01	< 0.5	0.1	0.006	< 0.005	< 0.1	0.37	0.32	35.7	15	3
284	34000	97	38	16.7	1.8	4	0.3	0.64	< 0.5	0.1	0.051	< 0.005	0.4	0.86	0.54	17.5	53	7
285	25000	137	44	5.4	1.9	3	0.5	0.25	< 0.5	< 0.1	0.059	< 0.005	0.1	0.5	0.41	16	52	2
286	18000	65	43	11	2.8	2	0.3	0.31	< 0.5	< 0.1	0.021	< 0.005	< 0.1	0.85	0.39	70.8	48	3
287	22000	20	5	18	7.3	1	2.4	0.21	< 0.5	0.1	0.058	< 0.005	< 0.1	0.09	0.11	2.5	11	< 1
288	38000	175	37	3.7	1.8	5	0.4	0.17	< 0.5	< 0.1	0.043	< 0.005	< 0.1	0.4	0.37	17.9	35	< 1
289	40000	81	32	17.9	4.3	3	1.3	0.45	< 0.5	0.1	0.079	< 0.005	0.1	0.44	0.44	7.6	44	8
290	27000	94	35	25.2	5.6	5	1	0.58	< 0.5	0.1	0.036	< 0.005	0.2	0.74	0.65	27.3	38	11
293	8000	25	2	424	3.4	2	11.7	0.3	< 0.5	0.5	0.025	< 0.005	< 0.1	1.18	1.5	1.5	5	4
296	36000	74	34	51.2	8.1	3	0.5	0.19	< 0.5	< 0.1	0.066	< 0.005	< 0.1	0.92	0.64	9.4	47	10
297	31000	102	42	14.8	3.6	3	0.4	0.18	< 0.5	< 0.1	0.1	< 0.005	0.3	1.19	0.65	15.2	34	22
298	16000	55	57	5.2	0.7	1	< 0.1	0.27	< 0.5	< 0.1	0.007	< 0.005	< 0.1	0.27	0.43	9.2	13	3
299	38000	165	86	6.5	1.5	4	< 0.1	0.39	< 0.5	< 0.1	0.058	< 0.005	0.1	0.5	0.45	13	32	6
300	29000	70	43	12.4	3.4	3	0.4	0.42	< 0.5	< 0.1	0.015	< 0.005	0.1	0.47	0.84	43.4	38	10
301 extra	19000	101	44	3.9	3.2	3	0.2	0.18	< 0.5	< 0.1	0.02	< 0.005	0.1	0.48	0.43	9	22	3
302 extra	25000	87	55	12.4	1	2	0.2	0.14	< 0.5	< 0.1	0.028	< 0.005	0.1	0.47	0.72	10.5	47	2
303 extra	29000	177	61	13.1	4.3	6	0.5	1.05	< 0.5	0.2	0.041	< 0.005	0.4	0.68	0.64	34.3	51	15

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Analyte Symbol	Cl	Br	I	V	As	Se	Mo	Sb	Te	W	Re	Au	Hg	Th	U	Co	Ni	Cu
Unit Symbol	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Detection Limit	1000	1	1	0.1	0.1	1	0.1	0.01	0.5	0.1	0.005	0.005	0.1	0.01	0.01	0.2	1	1
Analysis Method	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS
304 extra	17000	77	25	10.3	0.3	< 1	< 0.1	< 0.01	< 0.5	< 0.1	0.019	< 0.005	< 0.1	0.24	0.4	3.4	13	< 1
305 extra	20000	136	43	19.1	0.8	1	< 0.1	0.15	< 0.5	< 0.1	0.024	< 0.005	< 0.1	0.73	0.65	9	42	4
306 extra	40000	155	52	2.3	2.2	5	0.5	0.64	< 0.5	0.1	0.098	< 0.005	0.1	0.51	0.51	8	46	< 1
307 extra	44000	117	55	10	2	5	1	1.09	< 0.5	< 0.1	0.071	< 0.005	< 0.1	0.43	0.56	9.9	25	1
308 extra	21000	84	40	15.1	1.2	2	0.5	0.3	< 0.5	< 0.1	0.032	< 0.005	< 0.1	0.69	0.49	17.8	80	2
309 extra	18000	126	86	6.4	2.2	6	0.5	0.57	< 0.5	< 0.1	0.036	< 0.005	< 0.1	0.5	0.54	49.1	42	2
A extra	17000	81	43	19.7	4.6	3	0.9	0.22	< 0.5	< 0.1	0.098	< 0.005	< 0.1	0.61	0.34	9.7	26	5
B extra	15000	189	62	15.3	6.1	2	0.6	0.23	< 0.5	< 0.1	0.12	< 0.005	< 0.1	1.01	0.61	48.9	51	23
C extra	17000	38	20	55.5	9.2	2	1.9	0.37	< 0.5	0.2	0.041	< 0.005	0.1	0.44	0.3	4.9	33	5
E extra	26000	73	27	37.4	13.2	4	2.2	0.45	< 0.5	0.1	0.108	< 0.005	< 0.1	0.51	0.66	22.7	57	19
I extra	17000	81	31	19.2	7.3	2	0.5	0.89	< 0.5	< 0.1	0.055	< 0.005	< 0.1	0.38	0.47	14.1	37	5
J extra	40000	98	44	20.3	4.9	4	2.3	0.36	< 0.5	0.4	0.166	< 0.005	< 0.1	1.35	0.45	108	336	24
K extra	19000	58	18	12.4	0.4	< 1	0.2	0.04	< 0.5	0.2	0.013	< 0.005	< 0.1	0.82	0.43	29.3	18	7
L extra	27000	108	45	18	5.9	6	1.3	0.36	< 0.5	0.2	0.076	< 0.005	0.2	0.65	0.57	6.1	24	33
M extra	18000	95	54	19.1	1.2	2	0.8	0.3	< 0.5	< 0.1	0.043	< 0.005	< 0.1	0.74	0.7	15.8	21	6
N extra	22000	152	49	6	4.7	3	0.4	0.23	< 0.5	< 0.1	0.098	< 0.005	0.1	0.62	0.78	5.8	25	6
Q extra	30000	163	70	1.4	1.7	5	0.3	0.19	< 0.5	< 0.1	0.082	< 0.005	< 0.1	0.47	0.49	9.7	36	9
T extra	24000	52	42	26.8	6.6	6	1.6	0.97	< 0.5	0.1	0.012	< 0.005	< 0.1	0.32	0.41	17.9	49	6
V extra	17000	28	15	29.1	6.4	3	2.7	3.19	< 0.5	0.2	0.038	< 0.005	< 0.1	0.26	0.31	10.1	23	5

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Activation Laboratories

Analyte Symbol	Zn	Pb	Ga	Ge	Ag	Cd	In	Sn	Tl	Bi	Ti	Cr	Y	Zr	Nb	Hf	Ta	La
Unit Symbol	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Detection Limit	5	0.1	0.3	0.05	0.1	0.1	0.01	0.2	0.005	0.5	10	3	0.05	0.1	0.1	0.01	0.02	0.01
Analysis Method	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS
001	92	45.6	0.6	0.16	< 0.1	2.1	< 0.01	< 0.2	0.411	< 0.5	130	< 3	2.62	6	0.2	0.22	< 0.02	3.26
002	91	7	1.1	0.09	< 0.1	1.7	< 0.01	< 0.2	0.271	< 0.5	200	< 3	1.26	5.2	0.3	0.17	< 0.02	2.07
003	145	5.1	0.5	0.07	< 0.1	2.5	< 0.01	< 0.2	0.438	< 0.5	110	< 3	2.48	4.7	0.1	0.19	< 0.02	2.27
004	180	2.5	0.6	0.09	< 0.1	2.6	0.01	< 0.2	0.397	< 0.5	110	< 3	2.71	4.3	< 0.1	0.16	< 0.02	2.73
005	116	3	3.2	0.12	< 0.1	2.2	< 0.01	< 0.2	0.393	< 0.5	270	< 3	1.38	3.9	0.4	0.15	< 0.02	1.49
006	184	27.4	1.4	0.09	< 0.1	2.6	0.02	< 0.2	0.47	< 0.5	140	< 3	0.99	3.5	0.1	0.14	< 0.02	1.07
007	428	14.3	1.6	0.11	< 0.1	3.1	< 0.01	< 0.2	0.559	< 0.5	160	< 3	9.72	9.2	< 0.1	0.44	< 0.02	5.42
008	177	6.9	0.8	< 0.05	< 0.1	2.2	0.01	< 0.2	0.272	< 0.5	120	< 3	2.11	4.9	0.2	0.21	< 0.02	2.2
009	413	9.2	6.5	0.1	< 0.1	6.5	0.02	0.3	0.156	< 0.5	1080	< 3	1.5	4.4	1.7	0.18	0.06	1.25
010	78	3.9	0.9	0.11	< 0.1	2.3	< 0.01	< 0.2	0.031	< 0.5	290	< 3	4.02	2.5	0.5	0.11	< 0.02	3.99
011	161	4.6	1.5	0.08	< 0.1	2.1	0.03	< 0.2	0.113	< 0.5	340	< 3	1.85	12.3	0.3	0.53	< 0.02	2.04
014	129	2.7	0.7	0.13	< 0.1	2	< 0.01	< 0.2	0.271	< 0.5	170	< 3	3.05	5.1	0.2	0.23	< 0.02	3.6
015	36	0.4	1.4	0.1	< 0.1	0.8	< 0.01	< 0.2	0.146	< 0.5	220	< 3	3.92	6.1	0.4	0.21	< 0.02	3.45
016	196	2.9	2.9	0.09	< 0.1	3	0.01	< 0.2	0.121	< 0.5	640	< 3	1.22	3.3	0.9	0.13	0.02	1.19
017	54	1.8	1.1	0.12	< 0.1	1.7	< 0.01	< 0.2	0.364	< 0.5	280	< 3	1.16	5.3	0.3	0.22	< 0.02	0.91
018	190	0.6	2.7	0.15	< 0.1	1.3	< 0.01	< 0.2	0.102	< 0.5	790	< 3	0.28	6.1	1.1	0.25	0.03	0.11
019	352	1.4	1.5	< 0.05	< 0.1	2	< 0.01	< 0.2	0.217	< 0.5	520	< 3	0.29	4.1	0.9	0.15	0.03	0.23
021	51	2.9	1.6	0.25	< 0.1	1.9	< 0.01	< 0.2	0.824	< 0.5	1020	< 3	9.92	7	1.7	0.25	0.06	6.71
023	425	4.5	2.6	0.23	< 0.1	2.6	0.01	0.2	0.186	< 0.5	1210	< 3	0.77	19.3	2.3	0.77	0.07	0.64
024	308	1.7	2.2	0.09	< 0.1	4.4	0.01	< 0.2	0.169	< 0.5	350	< 3	0.7	5.2	0.3	0.21	< 0.02	0.65
025	71	5.2	1.3	0.12	< 0.1	2.7	< 0.01	< 0.2	0.371	< 0.5	290	< 3	1.45	6.2	0.2	0.29	< 0.02	1.47
026	237	3.6	5.1	0.15	< 0.1	1.8	0.01	< 0.2	0.11	< 0.5	540	< 3	1.16	6.1	0.9	0.21	0.03	1
027	147	3.6	2.6	0.05	< 0.1	2.1	0.02	< 0.2	0.432	< 0.5	260	< 3	2.44	7.7	0.3	0.34	< 0.02	2.43
028	81	1.7	0.6	0.13	< 0.1	2.6	< 0.01	< 0.2	0.382	< 0.5	190	< 3	1.82	3.6	0.1	0.16	< 0.02	1.7
029	110	2.8	2.2	0.08	< 0.1	4.1	0.01	< 0.2	0.244	< 0.5	260	< 3	1.43	6.3	0.2	0.23	< 0.02	1.2
030	134	1.4	1.2	0.06	< 0.1	4.9	< 0.01	< 0.2	0.323	< 0.5	230	< 3	1.82	4.9	0.1	0.23	< 0.02	1.58
031	185	1.3	2.4	0.08	< 0.1	4.3	0.01	< 0.2	0.217	< 0.5	390	< 3	1.54	4.3	0.6	0.21	< 0.02	1.76
032	420	3.3	4.4	0.07	< 0.1	3.5	0.02	0.3	0.209	< 0.5	1120	< 3	1	6.6	1.3	0.28	0.06	1.25
033	93	2	1.1	0.05	< 0.1	2.2	< 0.01	< 0.2	0.382	< 0.5	130	< 3	1.79	4.2	< 0.1	0.17	< 0.02	1.89
034	558	5	4	0.14	< 0.1	3	0.02	0.3	0.16	< 0.5	1060	< 3	0.45	6.9	1.2	0.3	0.03	0.43
036	269	2.8	2.2	0.08	< 0.1	5.3	0.01	0.5	0.168	< 0.5	870	< 3	0.27	5	1.4	0.18	0.03	0.39
037	99	0.8	0.7	0.07	< 0.1	2.3	< 0.01	< 0.2	0.28	< 0.5	170	< 3	1.67	4.5	< 0.1	0.2	< 0.02	1.41
038	167	4.6	3.8	0.09	< 0.1	1.9	0.03	< 0.2	0.08	< 0.5	830	< 3	1.77	8.5	1.5	0.36	0.06	1.37
039	69	1.8	1.2	0.09	< 0.1	2	0.01	< 0.2	0.205	< 0.5	380	< 3	2.09	3.8	0.4	0.17	< 0.02	2.46
041	167	2.3	5.7	< 0.05	< 0.1	1.1	< 0.01	0.2	0.105	< 0.5	1210	< 3	0.84	5.4	1.6	0.21	0.06	0.92
042	228	8.4	1	0.15	< 0.1	3.9	< 0.01	< 0.2	0.637	< 0.5	190	< 3	1.55	6.1	0.2	0.26	< 0.02	1.82
043	132	4.7	1	0.05	< 0.1	2.4	< 0.01	< 0.2	0.246	< 0.5	210	< 3	1.74	4	0.1	0.17	< 0.02	1.34
044	277	5.4	2.8	0.13	< 0.1	4.6	0.02	< 0.2	0.237	< 0.5	490	< 3	1.91	9.1	0.8	0.4	< 0.02	2.41
045	409	3.6	1.6	< 0.05	< 0.1	2.7	0.01	< 0.2	0.293	< 0.5	280	< 3	1.92	3.9	0.1	0.18	< 0.02	1.12
046	170	3.4	0.7	0.19	< 0.1	3.6	< 0.01	< 0.2	0.332	< 0.5	160	< 3	2.28	4.8	< 0.1	0.2	< 0.02	1.52
047	283	2.8	0.9	0.2	< 0.1	3.5	0.02	< 0.2	0.447	< 0.5	200	< 3	1.67	3.7	0.3	0.13	< 0.02	1.48
048	231	7.9	1.5	0.14	< 0.1	3.3	0.03	< 0.2	0.325	< 0.5	560	< 3	3.28	10.3	0.4	0.42	< 0.02	1.73
051	117	4.9	1.3	0.2	< 0.1	1.8	0.01	< 0.2	0.516	< 0.5	500	< 3	1.49	6.8	0.4	0.28	< 0.02	0.75
052	68	1.5	0.9	0.09	< 0.1	1.9	< 0.01	< 0.2	0.273	< 0.5	110	< 3	1.92	4.5	0.1	0.17	< 0.02	1.7
053	197	4.2	1.9	0.07	< 0.1	2.7	0.01	< 0.2	0.342	< 0.5	270	< 3	4.61	9.5	0.2	0.41	< 0.02	3.35
054	319	3.1	3.3	0.08	< 0.1	3.5	0.03	< 0.2	0.079	< 0.5	680	< 3	1.63	8.2	0.4	0.34	0.02	1.17
055	294	10.3	4	0.14	< 0.1	3.5	0.02	0.5	0.101	< 0.5	620	< 3	1.24	4.7	1.2	0.16	0.05	1.71
056	169	3.8	3.1	0.09	< 0.1	2.4	0.02	< 0.2	0.418	< 0.5	320	< 3	1.1	5.1	0.5	0.19	< 0.02	1.14
057	128	4.4	3.6	0.11	< 0.1	2.9	0.02	0.2	0.16	< 0.5	620	< 3	1.26	4.2	1.2	0.14	0.04	1.39

Final Report
Activation Laboratories

Analyte Symbol	Zn	Pb	Ga	Ge	Ag	Cd	In	Sn	Tl	Bi	Ti	Cr	Y	Zr	Nb	Hf	Ta	La
Unit Symbol	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Detection Limit	5	0.1	0.3	0.05	0.1	0.1	0.01	0.2	0.005	0.5	10	3	0.05	0.1	0.1	0.01	0.02	0.01
Analysis Method	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS
058	138	1.5	3.6	0.14	< 0.1	1.8	0.02	< 0.2	0.257	< 0.5	1770	< 3	2.06	8.9	1.2	0.38	0.06	1.39
059	227	1.9	1.3	0.19	< 0.1	2.4	< 0.01	0.2	0.126	< 0.5	330	< 3	0.06	2.7	0.6	0.09	< 0.02	< 0.01
060	108	3.8	0.7	0.09	< 0.1	2.1	0.01	< 0.2	0.227	< 0.5	280	< 3	4.83	6	0.2	0.25	< 0.02	4.85
061	128	6.5	1.3	0.1	< 0.1	1.9	0.01	0.2	0.214	< 0.5	510	< 3	1.23	9.3	0.4	0.36	< 0.02	1.46
062	54	3.3	0.4	0.05	< 0.1	1.5	< 0.01	< 0.2	0.214	< 0.5	160	< 3	1.6	3.9	0.2	0.15	< 0.02	1.75
063	414	8.3	3.3	0.29	< 0.1	2.6	0.03	0.4	0.08	< 0.5	850	< 3	0.94	15.8	1	0.38	0.03	1.5
067	46	1.5	1.5	0.15	< 0.1	1.5	< 0.01	< 0.2	0.146	< 0.5	490	< 3	2.5	8.1	1.5	0.28	0.03	2.42
068	36	0.7	1.5	0.06	< 0.1	1.8	0.01	< 0.2	0.404	< 0.5	340	< 3	0.76	4.9	0.4	0.2	< 0.02	0.45
069	303	3.8	4.6	0.25	< 0.1	2.6	0.02	0.4	0.288	< 0.5	1040	< 3	1.03	10.2	1.7	0.4	0.08	1.06
070	168	1.6	3.5	0.11	< 0.1	1.8	< 0.01	< 0.2	0.181	< 0.5	660	< 3	0.42	3.9	1	0.14	0.03	0.23
071	209	5.7	1.3	0.09	< 0.1	2.7	0.02	0.4	0.092	< 0.5	690	< 3	0.22	7.8	1.3	0.28	0.03	0.31
072	53	6.8	1.3	0 31	< 0.1	1.1	< 0.01	< 0.2	0.357	< 0.5	240	< 3	18.6	5.4	0.3	0.2	< 0.02	40.4
073	54	1.3	0.4	0.1	< 0.1	1.3	< 0.01	< 0.2	0.392	< 0.5	170	< 3	2.73	3.5	0.1	0.14	< 0.02	4.64
074	334	2.5	2.5	0.06	0.1	4.4	0.02	< 0.2	0.345	< 0.5	390	< 3	1.29	5.6	0.4	0.22	< 0.02	1.7
075	309	3.4	2.7	0.18	< 0.1	2.2	0.01	0.4	0.139	< 0.5	1000	< 3	0.49	16.2	2.3	0.36	0.06	0.5
076	71	1.2	1.5	0.2	< 0.1	1.6	< 0.01	0.2	0.088	< 0.5	450	< 3	1.82	5.5	1.1	0.2	0.03	2.62
077	30	0.3	0.9	0.33	< 0.1	0.7	< 0.01	< 0.2	0.132	< 0.5	280	< 3	15.6	5.6	1	0.21	0.03	14.1
079	170	1.3	2.1	0.07	< 0.1	1.2	0.02	< 0.2	0.427	< 0.5	400	< 3	2.63	5.5	0.7	0.22	0.02	3.67
080	235	3.5	2.2	0.08	< 0.1	2.9	0.01	< 0.2	0.526	< 0.5	260	< 3	3.42	6.4	0.6	0.25	< 0.02	4.38
081	579	3.8	0.9	< 0.05	< 0.1	2.9	< 0.01	< 0.2	0.553	< 0.5	170	< 3	1.27	4.4	0.1	0.18	< 0.02	1.27
082	160	3	2.2	< 0.05	< 0.1	1.2	0.02	< 0.2	0.232	< 0.5	380	< 3	2.67	6.1	0.8	0.25	0.02	2.91
083	147	3	3.1	0.17	< 0.1	1.5	0.01	0.5	0.144	< 0.5	1240	< 3	0.5	5.1	2.4	0.16	0.08	0.57
084	269	9.1	4.1	0.08	< 0.1	3	0.02	0.5	0.277	< 0.5	840	< 3	0.86	5.1	1.5	0.18	0.07	0.99
085	252	3.7	2.9	0.17	< 0.1	3.2	0.02	0.5	0.142	< 0.5	1260	< 3	0.24	7	2.1	0.27	0.07	0.12
086	372	1.4	0.9	< 0.05	< 0.1	3.5	< 0.01	< 0.2	0.32	< 0.5	110	< 3	1.22	3.6	< 0.1	0.14	< 0.02	1.1
087	189	5	1.1	0.17	< 0.1	4.9	0.01	< 0.2	0.366	< 0.5	440	< 3	2.6	5.6	0.3	0.23	< 0.02	2.29
089	127	1.2	0.8	0.23	< 0.1	1.7	< 0.01	0 3	0 185	< 0.5	250	< 3	< 0.05	5.9	0.4	0.2	< 0.02	< 0.01
090	129	1.3	0.9	< 0.05	< 0.1	3.4	< 0.01	< 0.2	0.3	< 0.5	140	< 3	2.05	4.1	< 0.1	0.16	< 0.02	1.44
091	405	4.9	4	0.16	< 0.1	1.6	0.01	0.3	0.249	< 0.5	1320	< 3	1.43	8.9	2.1	0.39	0.06	1
092	181	1.8	0.8	0.09	< 0.1	2.8	< 0.01	< 0.2	0.521	< 0.5	270	< 3	2.21	6.4	0.3	0.26	< 0.02	2.08
093	342	5.8	6.8	0.25	< 0.1	4	0.04	0.4	0.21	< 0.5	1490	< 3	3.27	18.6	2	0.62	0.08	2.99
094	106	1.8	1	0.09	< 0.1	3	0.01	< 0.2	0.26	< 0.5	220	< 3	4.18	6.9	0.1	0.26	< 0.02	2.58
096	135	11	1	0.23	< 0.1	1.2	0.01	0.3	0.607	< 0.5	600	< 3	3.7	8	0.6	0.3	< 0.02	3.53
097	189	4	6.5	0.16	< 0.1	3	0.08	0.7	0.356	< 0.5	1350	24	5.91	15.1	2.9	0.64	0.19	6.89
098	42	1	1.3	0.12	< 0.1	0.8	< 0.01	< 0.2	0.256	< 0.5	140	< 3	1.52	5.1	0.2	0.19	< 0.02	1.41
101	81	4.9	1.5	0.12	< 0.1	1.5	< 0.01	< 0.2	0.771	< 0.5	440	< 3	5.22	13.2	0.6	0.46	< 0.02	5.28
102	252	2.3	4.8	0.15	< 0.1	3.5	0.01	< 0.2	0.204	< 0.5	960	< 3	2.1	10	1.9	0.32	0.05	1.39
110	132	3.9	1.2	0.06	< 0.1	1.8	0.01	< 0.2	0.115	< 0.5	510	< 3	2.13	10.6	0.6	0.39	< 0.02	1.76
112	180	3.5	2.9	0.13	< 0.1	2.4	< 0.01	0.2	0.046	< 0.5	490	< 3	0.23	8.1	1.2	0.31	0.03	< 0.01
125	160	2	1.2	0.07	< 0.1	3	< 0.01	< 0.2	0.183	< 0.5	190	< 3	1.74	5.1	0.3	0.21	< 0.02	2.24
126	326	3.4	1.8	< 0.05	< 0.1	3.5	0.01	< 0.2	0.267	< 0.5	310	< 3	1.06	6	0.5	0.24	< 0.02	1.4
127	709	5.9	1.8	0.12	< 0.1	5	0.02	< 0.2	0.365	< 0.5	420	16	3.03	10.6	0.8	0.4	0.02	3.82
128	232	9.8	0.9	0.13	< 0.1	3	0.02	< 0.2	0.318	< 0.5	240	5	3.73	6.6	0.2	0.31	< 0.02	3.64
129	150	2.3	4.2	< 0.05	< 0.1	1.4	0.01	< 0.2	0.198	< 0.5	570	< 3	0.88	3.9	1	0.17	0.02	1.07
130	202	6.1	5.4	0.19	< 0.1	4.4	0.03	0.3	0.16	< 0.5	650	< 3	2.59	9.6	1.2	0.37	0.04	4.55
131	157	2.2	1.7	0.08	< 0.1	3.6	0.01	< 0.2	0.223	< 0.5	450	< 3	0.59	4.5	1.1	0.2	< 0.02	0.97
132	116	2.8	1.1	0.06	< 0.1	5.5	0.01	< 0.2	0.388	< 0.5	140	< 3	0.9	3.9	0.2	0.15	< 0.02	0.96
133	143	3	0.8	0.08	< 0.1	2.3	0.01	< 0.2	0.247	< 0.5	220	< 3	4.33	5	0.5	0.2	< 0.02	6.92
134	166	1.6	2.7	0.26	< 0.1	1.8	< 0.01	0.4	0.27	< 0.5	920	< 3	0.59	11.2	2	0.35	0.04	0.55

Final Report
Activation Laboratories

Analyte Symbol	Zn	Pb	Ga	Ge	Ag	Cd	In	Sn	Tl	Bi	Ti	Cr	Y	Zr	Nb	Hf	Ta	La
Unit Symbol	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Detection Limit	5	0.1	0.3	0.05	0.1	0.1	0.01	0.2	0.005	0.5	10	3	0.05	0.1	0.1	0.01	0.02	0.01
Analysis Method	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS
135	226	3.5	1	0.1	< 0.1	4.1	0.01	< 0.2	0.688	< 0.5	240	< 3	1.45	6.3	0.2	0.27	< 0.02	1.37
136	114	2.4	2.9	0.11	< 0.1	2	0.01	0.3	0.166	< 0.5	1430	< 3	0.64	8.9	3.4	0.35	0.07	1.36
137	183	2.6	3.3	0.11	< 0.1	2.8	0.01	< 0.2	0.246	< 0.5	660	< 3	1.28	5.7	1.2	0.19	< 0.02	1.34
138	116	2.5	1.5	0.1	< 0.1	1.9	0.01	< 0.2	0.196	< 0.5	300	< 3	0.77	5.8	0.8	0.25	< 0.02	0.93
139	124	4.4	2.9	0.14	< 0.1	2.3	0.02	0.2	0.153	< 0.5	720	< 3	0.4	6.1	2.1	0.21	0.04	0.6
140	74	2.4	2.7	0.05	< 0.1	2.1	0.01	< 0.2	0.176	< 0.5	640	< 3	1.13	9.2	1.4	0.44	0.02	0.96
141	112	2.3	2.1	< 0.05	< 0.1	2.1	< 0.01	< 0.2	0.199	< 0.5	390	< 3	0.63	5.5	0.9	0.23	< 0.02	1.05
142	326	11.6	3.7	0.26	< 0.1	5.2	0.04	0.3	0.369	< 0.5	940	68	3.52	16.9	1.1	0.69	0.03	3.43
143	236	3.9	3.3	0.1	< 0.1	2.2	0.01	0.2	0.113	< 0.5	1220	5	0.81	13.2	3	0.59	0.06	0.82
144	158	4.5	4.5	0.14	< 0.1	1.9	< 0.01	0.4	0.326	< 0.5	1050	< 3	0.5	16.1	3.2	0.3	0.07	1.17
145	161	4.1	1.8	0.06	< 0.1	1.9	< 0.01	< 0.2	0.287	< 0.5	340	< 3	0.66	2.9	0.4	0.11	< 0.02	0.92
146	204	3.3	2.4	0.19	< 0.1	2.5	0.02	0.4	0.225	< 0.5	1460	54	1.04	17.8	2.6	0.71	0.06	1.33
147	99	4.2	< 0.3	< 0.05	< 0.1	1.1	< 0.01	< 0.2	0.366	< 0.5	90	< 3	0.94	3.2	< 0.1	0.12	< 0.02	1.01
148	160	1.9	2.7	< 0.05	< 0.1	1.8	< 0.01	< 0.2	0.271	< 0.5	620	< 3	0.95	4.3	0.7	0.18	< 0.02	1.17
149	112	1.4	2.9	0.07	< 0.1	1.5	< 0.01	< 0.2	0.198	< 0.5	1360	3	0.73	5.6	2.4	0.25	0.02	1.04
150	132	3.6	5.1	0.15	< 0.1	2	0.01	0.3	0.245	< 0.5	920	< 3	0.5	4	1.9	0.17	0.05	0.7
151	98	2.2	3.7	0.06	< 0.1	2.2	< 0.01	< 0.2	0.305	< 0.5	750	< 3	0.81	4.7	1.4	0.16	< 0.02	0.56
152	135	2.9	2.7	0.08	< 0.1	1.9	0.01	0.2	0.226	< 0.5	1240	3	1.8	8	2.1	0.33	0.04	2.05
157	120	2.4	2.6	0.05	< 0.1	2.6	< 0.01	< 0.2	0.079	< 0.5	430	< 3	1.34	2.8	0.7	0.12	< 0.02	1.58
158	53	1.6	1.1	0.07	< 0.1	2.2	< 0.01	< 0.2	0.271	< 0.5	170	< 3	1.6	4.8	0.2	0.19	< 0.02	1.66
159	117	0.4	< 0.3	< 0.05	< 0.1	4.2	< 0.01	< 0.2	0.3	< 0.5	90	< 3	1.65	3.4	< 0.1	0.13	< 0.02	1.87
160	46	< 0.1	0.4	0.09	< 0.1	0.8	< 0.01	< 0.2	0.16	< 0.5	190	< 3	< 0.05	2.9	0.4	0.13	< 0.02	< 0.01
163	33	< 0.1	0.9	< 0.05	< 0.1	0.5	< 0.01	< 0.2	0.042	< 0.5	330	< 3	< 0.05	3.8	0.4	0.17	< 0.02	< 0.01
164	22	0.8	2.5	0.26	< 0.1	0.2	< 0.01	0.3	0.096	< 0.5	780	< 3	0.52	5.1	1.7	0.17	0.04	0.51
170	101	1.7	3.4	< 0.05	< 0.1	2.9	0.01	< 0.2	0.157	< 0.5	400	< 3	0.85	4.5	0.4	0.18	< 0.02	0.93
171	205	20	2.5	0.46	< 0.1	3.5	0.02	0.7	0.385	< 0.5	1460	< 3	1.59	6.7	1.5	0.26	0.05	1.52
172	262	7.5	3.9	0.08	< 0.1	3.9	0.02	< 0.2	0.225	< 0.5	740	< 3	1.23	7	2.3	0.26	0.03	1.48
173	239	4.5	4.4	0.24	< 0.1	4.2	0.02	0.4	0.151	< 0.5	910	< 3	0.83	6.3	2.3	0.26	0.06	0.46
174	225	3.4	2.6	0.17	< 0.1	3.1	< 0.01	0.5	0.156	< 0.5	930	< 3	0.18	5.1	2.1	0.18	0.06	0.05
175	132	1.3	0.8	0.06	< 0.1	3.7	< 0.01	< 0.2	0.275	< 0.5	100	< 3	0.95	4.3	0.1	0.17	< 0.02	1.15
176	147	2.5	2.1	0.05	< 0.1	2.3	< 0.01	< 0.2	0.248	< 0.5	440	< 3	0.82	6.4	0.6	0.27	< 0.02	0.74
177	122	3.8	3.5	0.29	< 0.1	2.2	0.01	0.6	0.264	< 0.5	1140	< 3	0.75	11.7	3.1	0.48	0.09	0.93
178	211	1.3	1.6	< 0.05	< 0.1	2.3	< 0.01	< 0.2	0.196	< 0.5	240	< 3	3.36	6.4	0.5	0.24	< 0.02	4.16
179	251	2	3.8	0.06	< 0.1	3	0.01	< 0.2	0.236	< 0.5	850	< 3	0.7	5.6	1.8	0.24	< 0.02	0.71
180	131	7.2	1.8	0.24	< 0.1	1.2	0.02	0.5	0.294	< 0.5	710	< 3	0.08	7.3	1.8	0.32	0.03	< 0.01
181	196	2.6	0.5	0.09	< 0.1	2.1	0.01	< 0.2	0.294	< 0.5	130	< 3	1.21	3.8	< 0.1	0.17	< 0.02	1.85
182	139	1	2	0.1	< 0.1	3.9	0.01	0.4	0.175	< 0.5	1050	< 3	0.37	5.3	0.9	0.2	< 0.02	0.35
183	143	1.2	1.9	< 0.05	< 0.1	2.2	0.01	0.2	0.082	< 0.5	900	< 3	0.3	9.1	0.7	0.43	< 0.02	0.28
184	111	1	1.3	0.07	< 0.1	1.8	< 0.01	< 0.2	0.185	< 0.5	340	< 3	1.85	5.1	0.3	0.19	< 0.02	2.07
185	213	10.7	4.5	0.08	< 0.1	2	0.04	< 0.2	0.219	< 0.5	570	5	2.38	10	1.3	0.43	0.04	2.68
186	100	1.7	0.4	< 0.05	< 0.1	1.4	< 0.01	< 0.2	0.236	< 0.5	100	< 3	2.16	3.5	< 0.1	0.14	< 0.02	2.75
187	116	3.3	3.4	0.15	< 0.1	2	< 0.01	< 0.2	0.102	< 0.5	480	< 3	0.72	7.1	1.1	0.26	0.03	1.15
188	63	3.6	2.8	< 0.05	< 0.1	1.3	0.01	< 0.2	0.121	< 0.5	600	7	2.09	7.1	1.1	0.3	< 0.02	2.62
189	83	1.3	0.5	< 0.05	< 0.1	1.6	< 0.01	< 0.2	0.156	< 0.5	140	< 3	1.11	3.4	0.2	0.14	< 0.02	1.29
190	57	2.7	1.8	0.07	< 0.1	0.8	< 0.01	< 0.2	0.184	< 0.5	300	< 3	0.62	3.6	0.7	0.15	< 0.02	0.54
191	89	2.1	1.2	0.06	< 0.1	1.4	0.01	< 0.2	0.166	< 0.5	360	< 3	0.39	7	0.5	0.31	< 0.02	0.26
192	71	2.5	2.1	0.05	< 0.1	2	0.01	< 0.2	0.181	< 0.5	410	< 3	1.36	9.7	0.6	0.4	< 0.02	1.65
193	39	1.6	0.9	< 0.05	< 0.1	1.3	< 0.01	< 0.2	0.206	< 0.5	150	< 3	1.15	4.3	0.3	0.18	< 0.02	1.73
194	55	1.4	1.5	< 0.05	< 0.1	1.4	< 0.01	< 0.2	0.88	< 0.5	270	< 3	1.13	4.1	0.2	0.16	< 0.02	0.98

Final Report
Activation Laboratories

Analyte Symbol	Zn	Pb	Ga	Ge	Ag	Cd	In	Sn	Tl	Bi	Ti	Cr	Y	Zr	Nb	Hf	Ta	La
Unit Symbol	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Detection Limit	5	0.1	0.3	0.05	0.1	0.1	0.01	0.2	0.005	0.5	10	3	0.05	0.1	0.1	0.01	0.02	0.01
Analysis Method	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS
195	75	2.3	0.3	0.07	< 0.1	1.6	< 0.01	< 0.2	0.267	< 0.5	70	< 3	5.44	4.5	< 0.1	0.18	< 0.02	5.34
197	54	1.9	1.5	< 0.05	< 0.1	0.9	< 0.01	0.5	0.118	< 0.5	400	< 3	0.8	6	0.7	0.25	< 0.02	1.12
198	41	1.8	0.4	< 0.05	< 0.1	1.2	< 0.01	< 0.2	0.156	< 0.5	170	< 3	3.13	5.2	0.2	0.23	< 0.02	3.82
199	70	1.7	1.2	< 0.05	< 0.1	2.6	< 0.01	< 0.2	0.456	< 0.5	280	< 3	1.06	4.5	0.4	0.19	< 0.02	1.21
200	50	1.3	0.7	0.05	< 0.1	1.9	< 0.01	< 0.2	0.288	< 0.5	150	< 3	1.5	3.8	0.1	0.15	< 0.02	1.72
201	94	1.3	1.5	< 0.05	< 0.1	1.8	< 0.01	< 0.2	0.135	< 0.5	280	< 3	0.34	3.7	0.4	0.17	< 0.02	0.2
202	54	1.2	1.8	0.05	< 0.1	1.7	< 0.01	< 0.2	0.092	< 0.5	860	< 3	1.07	5.9	1.3	0.24	< 0.02	0.62
203	38	1.3	1.8	< 0.05	< 0.1	1.1	< 0.01	< 0.2	0.123	< 0.5	570	< 3	0.3	8.3	0.8	0.3	< 0.02	0.32
205	15	1	0.6	< 0.05	< 0.1	1.2	< 0.01	< 0.2	0.201	< 0.5	290	< 3	3.28	4.6	0.3	0.2	< 0.02	3.86
206	24	1.1	0.6	< 0.05	< 0.1	1.3	< 0.01	< 0.2	0.411	< 0.5	180	< 3	2.2	4.1	0.2	0.19	< 0.02	2.03
207	49	1.8	0.8	< 0.05	< 0.1	2.4	< 0.01	< 0.2	0.374	< 0.5	210	< 3	2.41	4.6	0.2	0.22	< 0.02	2.39
208	63	8.7	0.9	0.11	< 0.1	2.4	< 0.01	< 0.2	0.397	< 0.5	420	< 3	0.94	3.5	0.2	0.18	< 0.02	0.87
209	23	2.1	0.6	0.07	< 0.1	1.5	< 0.01	< 0.2	0.346	< 0.5	180	< 3	2.16	3.8	0.2	0.17	< 0.02	2.33
210	18	1	0.4	< 0.05	< 0.1	1.1	< 0.01	< 0.2	0.283	< 0.5	280	< 3	4.53	6	0.3	0.28	< 0.02	5.98
211	32	1.7	0.4	< 0.05	< 0.1	1.7	< 0.01	< 0.2	0.216	< 0.5	230	< 3	2.67	4.7	0.2	0.22	< 0.02	3.14
212	69	1	1.7	< 0.05	< 0.1	1	< 0.01	< 0.2	0.212	< 0.5	490	< 3	0.47	12.5	0.5	0.23	< 0.02	0.46
213	30	3.9	3	< 0.05	< 0.1	1.3	< 0.01	< 0.2	0.178	< 0.5	260	< 3	1.15	4.9	0.3	0.2	< 0.02	1.68
214	23	1.7	0.6	< 0.05	< 0.1	1.3	< 0.01	< 0.2	0.354	< 0.5	100	< 3	1.09	3	< 0.1	0.13	< 0.02	1.51
215	51	1.7	2.1	< 0.05	< 0.1	1.8	< 0.01	< 0.2	0.245	< 0.5	650	< 3	0.9	6.7	0.6	0.26	< 0.02	0.68
216	71	2	1.1	< 0.05	< 0.1	4.4	0.01	< 0.2	0.417	< 0.5	340	< 3	1.8	4.2	0.3	0.19	< 0.02	1.73
217	70	1.4	1.3	< 0.05	< 0.1	2.4	< 0.01	< 0.2	0.326	< 0.5	490	< 3	0.82	3.9	0.4	0.16	< 0.02	0.95
218	135	2	2.4	< 0.05	< 0.1	3	< 0.01	< 0.2	0.385	< 0.5	640	< 3	1.78	5.4	0.5	0.23	< 0.02	1.87
219	21	1.2	0.4	< 0.05	< 0.1	0.8	< 0.01	< 0.2	0.241	< 0.5	230	< 3	3.89	4.8	0.2	0.2	< 0.02	4.57
220	26	1.5	0.5	0.07	< 0.1	1.6	< 0.01	< 0.2	0.317	< 0.5	170	< 3	3.74	5.7	0.1	0.25	< 0.02	4.29
221	35	1.4	0.9	< 0.05	< 0.1	1.1	< 0.01	< 0.2	0.301	< 0.5	210	< 3	2.19	3.7	0.2	0.18	< 0.02	2.22
222	37	1.4	1.3	< 0.05	< 0.1	2.1	< 0.01	< 0.2	0.317	< 0.5	380	< 3	1.97	5	0.3	0.21	< 0.02	1.87
223	55	1.1	3.2	0.06	< 0.1	1.1	< 0.01	< 0.2	0.268	< 0.5	1080	< 3	0.71	7.6	2.7	0.3	0.1	0.73
224	7	< 0.1	0.7	0.27	< 0.1	0.3	< 0.01	< 0.2	0.13	< 0.5	240	< 3	14.4	4	0.5	0.18	< 0.02	14.8
225	142	4.6	4.2	< 0.05	< 0.1	1.7	0.01	< 0.2	0.124	< 0.5	760	< 3	1.75	6.4	1.1	0.24	< 0.02	1.77
228	28	2.8	0.9	0.07	< 0.1	1	< 0.01	< 0.2	0.806	< 0.5	330	< 3	4.24	4	0.3	0.19	< 0.02	4.42
227	19	5.4	2	< 0.05	< 0.1	1.2	< 0.01	< 0.2	0.39	< 0.5	510	< 3	2.03	4	0.5	0.17	< 0.02	2.23
228	118	3.5	2.3	< 0.05	< 0.1	1.4	0.01	< 0.2	0.206	< 0.5	770	< 3	1.09	6.5	0.9	0.29	< 0.02	0.86
229	113	1.6	1.6	0.05	< 0.1	1.6	< 0.01	< 0.2	0.137	< 0.5	290	< 3	1.28	5.1	0.2	0.25	< 0.02	1.58
230	67	1.7	0.6	< 0.05	< 0.1	1.8	< 0.01	< 0.2	0.406	< 0.5	240	< 3	1.41	3.3	< 0.1	0.13	< 0.02	1.87
232	22	0.6	< 0.3	< 0.05	< 0.1	1.1	< 0.01	< 0.2	0.165	< 0.5	190	< 3	1.42	3.7	< 0.1	0.18	< 0.02	0.94
233	56	1.1	1.2	< 0.05	< 0.1	0.9	< 0.01	< 0.2	0.53	< 0.5	540	< 3	0.64	3.7	0.6	0.15	< 0.02	0.85
234	24	0.8	0.5	< 0.05	< 0.1	0.5	< 0.01	< 0.2	0.303	< 0.5	190	< 3	1.55	4.1	< 0.1	0.16	< 0.02	1.59
235	751	1.2	2.4	0.12	< 0.1	2.1	0.01	< 0.2	0.118	< 0.5	370	< 3	1.23	12.5	0.6	0.54	< 0.02	1.86
236	33	0.4	0.5	0.08	< 0.1	1.2	< 0.01	< 0.2	0.147	< 0.5	100	< 3	1.39	3.2	< 0.1	0.13	< 0.02	2.08
237	24	0.4	0.4	0.08	< 0.1	0.7	< 0.01	< 0.2	0.125	< 0.5	150	< 3	2.27	3.4	0.1	0.15	< 0.02	2.83
238	131	1.5	1.8	0.06	< 0.1	1.5	0.01	< 0.2	0.149	< 0.5	250	< 3	2.06	11	0.3	0.44	< 0.02	2.63
239	37	2.4	1.8	0.05	< 0.1	2.1	0.01	< 0.2	0.09	< 0.5	270	< 3	1.16	6	0.3	0.24	< 0.02	1.14
240	46	1.4	2.4	0.05	< 0.1	1.3	0.01	0.7	0.08	< 0.5	260	< 3	1.12	5	0.4	0.2	< 0.02	1.23
241	43	1.2	1.1	0.07	< 0.1	1.7	< 0.01	< 0.2	0.162	< 0.5	250	< 3	1.53	5.3	0.2	0.23	< 0.02	1.98
242	107	2.3	1.8	0.11	< 0.1	1.3	0.01	< 0.2	0.037	< 0.5	400	< 3	0.62	6.8	0.9	0.28	< 0.02	0.82
243	20	0.9	0.3	< 0.05	< 0.1	1.4	< 0.01	< 0.2	0.153	< 0.5	50	< 3	0.57	2.3	< 0.1	0.09	< 0.02	0.47
244	21	1.7	< 0.3	0.05	< 0.1	1.9	< 0.01	< 0.2	0.241	< 0.5	40	< 3	2.81	2.4	< 0.1	0.08	< 0.02	5.11
245	22	0.5	< 0.3	0.07	< 0.1	0.4	< 0.01	< 0.2	0.151	< 0.5	60	< 3	1.34	2.4	< 0.1	0.1	< 0.02	1.81
246	87	1.2	1.1	0.05	< 0.1	1.2	< 0.01	< 0.2	0.118	< 0.5	170	< 3	1.14	4.5	0.4	0.18	< 0.02	1.87

Final Report
Activation Laboratories

Analyte Symbol	Zn	Pb	Ga	Ge	Ag	Cd	In	Sn	Tl	Bi	Ti	Cr	Y	Zr	Nb	Hf	Ta	La
Unit Symbol	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Detection Limit	5	0.1	0.3	0.05	0.1	0.1	0.01	0.2	0.005	0.5	10	3	0.05	0.1	0.1	0.01	0.02	0.01
Analysis Method	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS
247	19	0.2	1.1	0.07	< 0.1	0.2	< 0.01	< 0.2	0.114	< 0.5	280	< 3	0.92	1.9	0.6	0.09	< 0.02	1.03
248	18	< 0.1	0.6	< 0.05	< 0.1	0.3	< 0.01	< 0.2	0.082	< 0.5	220	< 3	1.61	2.2	0.5	0.09	< 0.02	1.68
249	6	0.6	0.6	0.05	< 0.1	0.3	< 0.01	< 0.2	0.194	< 0.5	570	< 3	1.38	7.3	1.9	0.27	0.05	1.68
253	33	0.6	2.3	0.05	< 0.1	3.6	< 0.01	< 0.2	0.073	< 0.5	330	< 3	1.11	6.9	0.4	0.3	< 0.02	1.5
254	124	5	2.6	0.15	< 0.1	2.7	0.02	0.2	0.105	< 0.5	380	< 3	0.7	8.5	0.6	0.4	< 0.02	0.97
255	230	0.7	0.8	< 0.05	< 0.1	2	< 0.01	< 0.2	0.183	< 0.5	180	12	1.17	3.6	0.2	0.16	< 0.02	1.56
256	31	0.6	0.4	0.05	< 0.1	1.4	< 0.01	< 0.2	0.208	< 0.5	130	< 3	0.98	2.4	< 0.1	0.11	< 0.02	1.1
257	23	0.2	0.3	< 0.05	< 0.1	0.7	< 0.01	< 0.2	0.187	< 0.5	120	< 3	1.58	2.4	< 0.1	0.1	< 0.02	1.84
258	33	0.2	0.6	0.05	< 0.1	1.5	< 0.01	< 0.2	0.2	< 0.5	110	18	1.71	4.3	< 0.1	0.2	< 0.02	2.23
259	110	1.9	0.6	0.07	< 0.1	4	< 0.01	< 0.2	0.25	< 0.5	100	< 3	1.59	2.5	< 0.1	0.11	< 0.02	2.34
260	150	1.9	3.5	0.06	< 0.1	2.2	0.02	< 0.2	0.073	< 0.5	410	31	0.93	11.5	0.5	0.47	< 0.02	1
261	66	1.3	0.7	0.14	< 0.1	2.3	< 0.01	< 0.2	0.205	< 0.5	140	22	1	4.2	< 0.1	0.18	< 0.02	1.21
262	106	1.6	2.2	< 0.05	< 0.1	1	< 0.01	< 0.2	0.084	< 0.5	300	26	0.52	4.3	0.4	0.19	< 0.02	0.76
263	70	1.7	2.2	< 0.05	< 0.1	1.4	< 0.01	< 0.2	0.087	< 0.5	230	32	0.64	5.6	0.3	0.31	< 0.02	0.51
264	48	1.5	1.3	0.08	< 0.1	2.5	< 0.01	< 0.2	0.197	< 0.5	210	23	1.23	4.5	0.1	0.19	< 0.02	1.56
265	109	2.5	1.5	< 0.05	< 0.1	0.7	< 0.01	< 0.2	0.073	< 0.5	360	14	0.43	5	0.3	0.24	< 0.02	0.88
266	21	0.5	0.8	0.05	< 0.1	1	< 0.01	< 0.2	0.134	< 0.5	60	< 3	1.42	4.2	< 0.1	0.2	< 0.02	1.5
267	15	0.7	0.8	0.06	< 0.1	1	< 0.01	< 0.2	0.146	< 0.5	260	< 3	0.86	4	0.2	0.18	< 0.02	1
268	73	1.1	0.6	< 0.05	< 0.1	1	< 0.01	< 0.2	0.223	< 0.5	100	< 3	0.93	4	0.1	0.17	< 0.02	1.2
269	22	0.3	< 0.3	< 0.05	< 0.1	1	< 0.01	< 0.2	0.236	< 0.5	70	< 3	0.85	2.3	< 0.1	0.11	< 0.02	0.62
270	34	0.5	< 0.3	< 0.05	< 0.1	0.9	< 0.01	< 0.2	0.235	< 0.5	70	< 3	0.85	2.7	< 0.1	0.12	< 0.02	0.77
271	29	0.8	2.1	0.09	< 0.1	1	< 0.01	< 0.2	0.196	< 0.5	510	< 3	0.41	6.3	1	0.24	< 0.02	0.37
273	67	1.5	3.2	0.08	< 0.1	1.7	< 0.01	< 0.2	0.064	< 0.5	370	< 3	0.58	6.1	0.6	0.24	< 0.02	0.53
274	88	1.1	1	0.07	< 0.1	1.6	< 0.01	0.3	0.045	< 0.5	630	< 3	0.1	6.3	1.2	0.26	< 0.02	< 0.01
275	15	0.3	0.3	0.07	< 0.1	1	< 0.01	< 0.2	0.18	< 0.5	140	< 3	0.83	3.4	< 0.1	0.13	< 0.02	0.77
276	50	0.4	2.4	0.12	< 0.1	1.3	< 0.01	< 0.2	0.298	< 0.5	250	< 3	1.81	8.2	0.1	0.39	< 0.02	1.94
277	20	< 0.1	1.3	0.08	< 0.1	0.8	< 0.01	< 0.2	0.094	< 0.5	780	< 3	0.65	5.7	1.3	0.25	< 0.02	0.87
278	82	1.5	2.9	0.07	< 0.1	1.3	0.01	< 0.2	0.109	< 0.5	440	< 3	0.79	6.4	0.8	0.26	< 0.02	0.85
279	48	0.2	0.8	0.09	< 0.1	1.2	< 0.01	< 0.2	0.206	< 0.5	170	< 3	1.9	4.2	0.2	0.19	< 0.02	1.8
280	41	0.2	0.8	< 0.05	< 0.1	1.6	< 0.01	< 0.2	0.18	< 0.5	150	< 3	1.11	3.6	< 0.1	0.14	< 0.02	1.13
281	174	0.9	1.5	0.11	< 0.1	1.3	0.01	< 0.2	0.156	< 0.5	300	< 3	1.05	6.7	0.3	0.4	< 0.02	0.96
282	30	0.4	0.4	0.05	< 0.1	1.1	< 0.01	< 0.2	0.138	< 0.5	100	< 3	0.6	2.2	< 0.1	0.11	< 0.02	0.5
283	19	0.5	0.6	0.05	< 0.1	0.8	< 0.01	0.2	0.159	< 0.5	100	< 3	1.03	1.9	< 0.1	0.09	< 0.02	1.63
284	30	< 0.1	2.3	< 0.05	< 0.1	1.5	< 0.01	< 0.2	0.25	< 0.5	310	< 3	0.93	7	0.3	0.27	< 0.02	1.45
285	32	2.9	0.5	< 0.05	< 0.1	1.4	< 0.01	< 0.2	0.209	< 0.5	80	< 3	1.96	3.1	< 0.1	0.13	< 0.02	3.87
286	54	0.9	1.7	0.08	< 0.1	2.2	< 0.01	< 0.2	0.217	< 0.5	300	< 3	1.99	7.8	0.3	0.35	< 0.02	2.46
287	47	1.2	0.7	< 0.05	< 0.1	2.5	< 0.01	< 0.2	0.102	< 0.5	230	< 3	< 0.05	7.8	0.3	0.34	< 0.02	< 0.01
288	24	0.6	0.3	< 0.05	< 0.1	1.1	< 0.01	< 0.2	0.286	< 0.5	90	< 3	0.59	2.3	< 0.1	0.1	< 0.02	0.4
289	54	1.1	2	< 0.05	< 0.1	2.8	0.01	< 0.2	0.065	< 0.5	380	< 3	0.74	7.1	0.4	0.29	< 0.02	0.59
290	66	1.7	2.4	0.07	< 0.1	1.3	0.02	< 0.2	0.066	< 0.5	440	< 3	1.03	8.6	0.7	0.37	< 0.02	1.18
293	< 5	0.8	0.8	< 0.05	< 0.1	0.1	0.01	< 0.2	0.056	< 0.5	300	< 3	2.55	5.7	1.7	0.18	0.05	2.34
296	55	1.8	2.8	0.06	< 0.1	2	0.02	< 0.2	0.061	< 0.5	750	< 3	1.27	9.7	1.3	0.37	< 0.02	1.06
297	91	3.2	1.3	< 0.05	< 0.1	4.6	0.02	< 0.2	0.06	< 0.5	380	< 3	1.78	10.1	0.4	0.41	< 0.02	1.43
298	27	1.5	< 0.3	< 0.05	< 0.1	1.4	< 0.01	< 0.2	0.108	< 0.5	70	< 3	1.76	2.5	< 0.1	0.1	< 0.02	1.87
299	33	0.7	0.8	< 0.05	< 0.1	1.2	< 0.01	0.3	0.123	< 0.5	90	< 3	1.79	5.5	< 0.1	0.23	< 0.02	1.75
300	174	0.7	1.6	< 0.05	< 0.1	4.7	< 0.01	< 0.2	0.137	< 0.5	180	< 3	1.79	7.8	0.2	0.38	< 0.02	1.89
301 extra	38	1.9	0.9	< 0.05	< 0.1	2.2	< 0.01	< 0.2	0.119	< 0.5	90	< 3	0.99	3.3	< 0.1	0.14	< 0.02	1
302 extra	26	0.8	0.5	< 0.05	< 0.1	1.7	< 0.01	< 0.2	0.159	< 0.5	130	< 3	1.25	3.7	< 0.1	0.17	< 0.02	1.32
303 extra	159	1.5	1.2	0.12	< 0.1	2.5	0.01	< 0.2	0.827	< 0.5	190	< 3	1.7	5.6	0.3	0.21	< 0.02	1.79

Final Report
Activation Laboratories

Analyte Symbol	Zn	Pb	Ga	Ge	Ag	Cd	In	Sn	Tl	Bi	Tl	Cr	Y	Zr	Nb	Hf	Ta	La
Unit Symbol	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Detection Limit	5	0.1	0.3	0.05	0.1	0.1	0.01	0.2	0.005	0.5	10	3	0.05	0.1	0.1	0.01	0.02	0.01
Analysis Method	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS
304 extra	21	0.3	< 0.3	0.05	< 0.1	1.2	< 0.01	< 0.2	0.154	< 0.5	80	< 3	1.63	2.2	< 0.1	0.1	< 0.02	3.36
305 extra	20	0.4	0.5	0.07	< 0.1	0.8	< 0.01	< 0.2	0.219	< 0.5	150	< 3	5.35	6	< 0.1	0.23	< 0.02	7.55
306 extra	28	0.1	0.4	< 0.05	< 0.1	1.3	< 0.01	< 0.2	0.285	< 0.5	120	< 3	1.46	3.2	0.1	0.14	< 0.02	2.31
307 extra	37	< 0.1	0.5	< 0.05	< 0.1	0.8	< 0.01	< 0.2	0.2	< 0.5	120	10	0.81	3.4	< 0.1	0.15	< 0.02	0.56
308 extra	44	0.2	0.4	< 0.05	< 0.1	0.8	< 0.01	< 0.2	0.159	< 0.5	210	24	1.48	4.5	0.2	0.19	< 0.02	1.38
309 extra	37	< 0.1	0.5	< 0.05	< 0.1	1	< 0.01	< 0.2	0.186	< 0.5	100	15	1.31	3.1	< 0.1	0.14	< 0.02	1.31
A extra	209	1.3	1.7	< 0.05	< 0.1	2.1	< 0.01	< 0.2	0.311	< 0.5	530	22	0.86	5.2	0.6	0.24	< 0.02	0.6
B extra	236	1.5	2.1	< 0.05	< 0.1	1.8	< 0.01	< 0.2	0.154	< 0.5	460	35	2.91	11.1	0.7	0.45	< 0.02	2.19
C extra	155	1	2.3	< 0.05	< 0.1	1.9	< 0.01	< 0.2	0.182	< 0.5	1220	32	0.38	5.8	2.2	0.23	0.02	0.37
E extra	112	3.9	3.3	0.05	< 0.1	4	0.02	< 0.2	0.097	< 0.5	710	33	1.6	9	1.2	0.34	< 0.02	1.55
I extra	133	0.9	0.9	0.06	< 0.1	2.8	< 0.01	< 0.2	0.193	< 0.5	270	28	1.15	4.1	0.4	0.17	< 0.02	0.78
J extra	442	6.9	0.9	0.35	< 0.1	8.5	< 0.01	0.4	0.579	< 0.5	450	36	2.18	9.3	0.5	0.39	< 0.02	1.53
K extra	39	1.3	0.5	< 0.05	< 0.1	0.9	< 0.01	< 0.2	0.217	< 0.5	310	< 3	3.45	5	0.3	0.2	< 0.02	3.8
L extra	124	9.1	1.2	0.06	< 0.1	2.5	0.02	< 0.2	0.238	< 0.5	480	< 3	1.14	5.9	0.3	0.27	< 0.02	1.3
M extra	53	2.5	0.5	< 0.05	< 0.1	1.5	< 0.01	< 0.2	0.202	< 0.5	270	14	2.49	4.8	0.3	0.18	< 0.02	2.34
N extra	29	1.9	0.6	< 0.05	< 0.1	0.8	< 0.01	< 0.2	0.262	< 0.5	160	< 3	1.36	3.8	0.2	0.16	< 0.02	1.37
Q extra	42	1.6	0.5	< 0.05	< 0.1	2.4	< 0.01	< 0.2	0.324	< 0.5	80	< 3	0.94	3.2	< 0.1	0.12	< 0.02	0.51
T extra	58	2.9	2	< 0.05	< 0.1	1.8	0.02	< 0.2	0.119	< 0.5	520	12	0.41	7.7	0.8	0.33	< 0.02	0.09
V extra	88	3.3	1.6	0.11	< 0.1	1.4	0.01	0.3	0.035	< 0.5	720	< 3	0.48	4.2	0.7	0.17	< 0.02	< 0.01

Final Report
Activation Laboratories

Analyte Symbol	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Li	Be	Sc	Mn	Rb
Unit Symbol	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Detection Limit	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	0.5	0.1	10	0.4	0.1
Analysis Method	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS
001	5.98	0.85	3.4	0.82	0.27	0.67	0.12	0.56	0.1	0.29	0.05	0.29	0.03	8.4	1.6	< 10	2150	45.1
002	4.05	0.51	1.87	0.48	0.16	0.37	0.06	0.3	0.06	0.14	0.02	0.12	< 0.01	0.5	0.9	< 10	419	35.9
003	5.04	0.7	2.78	0.66	0.24	0.61	0.09	0.46	0.1	0.29	0.04	0.27	0.03	7.7	2.5	< 10	494	47.6
004	5.94	0.75	3.07	0.69	0.26	0.62	0.1	0.53	0.1	0.29	0.04	0.27	0.03	7.5	3.3	< 10	868	34.4
005	2.73	0.35	1.44	0.33	0.16	0.32	0.05	0.24	0.04	0.15	0.02	0.13	0.02	5.2	2	< 10	273	83.3
006	2.4	0.28	1.08	0.32	0.13	0.24	0.04	0.19	0.04	0.14	0.01	0.08	0.02	6.5	2.5	< 10	902	41.1
007	12	1.55	6.86	1.76	0.49	1.69	0.28	1.62	0.33	1.03	0.14	0.86	0.12	7.4	1.2	< 10	2750	72.4
008	5.02	0.65	2.53	0.58	0.18	0.51	0.07	0.38	0.07	0.25	0.03	0.21	0.03	7.4	1.8	< 10	243	32.5
009	3.96	0.41	1.71	0.44	0.16	0.34	0.05	0.25	0.06	0.17	0.02	0.16	0.02	7.9	1.2	< 10	234	16.4
010	1.88	1.15	4.97	0.99	0.25	0.82	0.11	0.52	0.11	0.35	0.04	0.31	0.05	36.6	1.9	< 10	82.2	2.5
011	2.92	0.52	2.15	0.52	0.14	0.37	0.06	0.32	0.07	0.21	0.02	0.15	0.02	8.8	1.1	< 10	941	14.5
014	6.37	0.87	3.48	0.84	0.26	0.69	0.1	0.59	0.12	0.32	0.05	0.33	0.04	7.5	3	< 10	220	17.5
015	4.87	1.07	4.49	1.12	0.3	0.83	0.13	0.7	0.14	0.42	0.05	0.38	0.05	5.7	1.2	< 10	112	13.5
016	2.09	0.29	1.22	0.26	0.09	0.27	0.04	0.22	0.04	0.15	0.01	0.13	0.02	30	0.8	< 10	244	14.3
017	2.2	0.33	1.32	0.32	0.12	0.24	0.04	0.16	0.03	0.13	0.01	0.13	0.02	23.8	0.9	< 10	282	40.2
018	0.57	0.05	0.23	0.07	0.04	0.08	< 0.01	0.03	< 0.01	0.04	< 0.01	0.02	< 0.01	47.6	0.6	< 10	174	9.6
019	0.91	0.08	0.75	0.11	0.03	0.08	< 0.01	0.03	< 0.01	0.05	< 0.01	0.05	< 0.01	63.1	0.4	< 10	268	38.9
021	11.4	2.88	13.6	2.86	0.68	2.26	0.3	1.47	0.32	1.1	0.15	1.15	0.19	3.9	1.8	< 10	13600	23.3
023	1.82	0.24	1.05	0.24	0.08	0.21	0.03	0.12	0.02	0.09	< 0.01	0.08	< 0.01	18	0.3	< 10	552	20.5
024	1.6	0.2	0.84	0.19	0.08	0.15	0.02	0.11	0.02	0.09	< 0.01	0.08	< 0.01	20.9	0.8	< 10	200	22.5
025	3.33	0.4	1.86	0.42	0.13	0.35	0.05	0.23	0.05	0.16	0.02	0.16	0.02	9	1.2	< 10	776	30.5
026	2.47	0.31	1.25	0.3	0.1	0.23	0.04	0.19	0.04	0.14	0.01	0.13	0.02	6.6	0.7	< 10	196	14.9
027	4.56	0.69	2.65	0.67	0.21	0.51	0.09	0.45	0.09	0.27	0.03	0.26	0.03	10.3	2	< 10	488	55.4
028	4.05	0.5	1.97	0.53	0.2	0.43	0.07	0.32	0.07	0.2	0.02	0.17	0.02	6.8	2.5	< 10	252	41
029	3	0.4	1.46	0.35	0.12	0.33	0.05	0.23	0.04	0.17	0.01	0.15	0.02	3.6	1.1	< 10	859	22.8
030	3.09	0.43	1.84	0.44	0.19	0.41	0.07	0.35	0.07	0.22	0.03	0.21	0.02	25.6	2.9	< 10	1230	29.4
031	4.1	0.47	1.96	0.44	0.17	0.32	0.05	0.26	0.05	0.17	0.01	0.11	0.02	12	1.4	< 10	769	22.2
032	3.79	0.33	1.24	0.29	0.17	0.24	0.04	0.18	0.03	0.12	< 0.01	0.09	< 0.01	6.3	1.4	< 10	1420	31.3
033	4.64	0.52	2.18	0.51	0.18	0.38	0.07	0.31	0.08	0.19	0.02	0.18	0.02	30.7	2.7	< 10	748	54.3
034	1.31	0.13	0.48	0.12	0.11	0.12	0.01	0.05	< 0.01	0.06	< 0.01	0.03	< 0.01	25	0.8	< 10	3750	14
036	1.57	0.1	0.49	0.08	0.08	0.08	< 0.01	0.03	< 0.01	0.03	< 0.01	< 0.01	< 0.01	12.5	0.4	< 10	11800	7
037	3.38	0.5	2.17	0.48	0.15	0.45	0.07	0.29	0.06	0.18	0.02	0.13	0.02	11.4	1.7	< 10	3160	43.4
038	3.5	0.48	2.12	0.48	0.14	0.4	0.06	0.29	0.06	0.2	0.02	0.18	0.02	19.5	0.7	< 10	796	2.5
039	5.94	0.69	2.66	0.61	0.18	0.46	0.08	0.38	0.08	0.23	0.02	0.2	0.02	9.4	2.3	< 10	290	41
041	2.33	0.27	1.09	0.25	0.1	0.22	0.03	0.16	0.03	0.1	< 0.01	0.08	< 0.01	5.8	0.7	< 10	325	10.8
042	5.31	0.56	2.1	0.53	0.2	0.43	0.07	0.38	0.06	0.19	0.02	0.13	0.02	8.5	2.3	< 10	4380	131
043	3.34	0.39	1.64	0.42	0.13	0.33	0.06	0.29	0.06	0.21	0.02	0.18	0.03	11.8	1.9	< 10	446	24.5
044	5.23	0.6	2.25	0.51	0.16	0.46	0.07	0.32	0.06	0.21	0.02	0.22	0.02	10.1	1.3	< 10	1360	17.4
045	2.67	0.32	1.42	0.44	0.2	0.38	0.07	0.35	0.07	0.23	0.03	0.21	0.03	6.7	2.1	< 10	648	29
046	3.76	0.47	2.06	0.48	0.16	0.5	0.08	0.45	0.08	0.25	0.03	0.21	0.03	9.1	1.9	< 10	569	43.7
047	3.44	0.45	1.81	0.47	0.15	0.39	0.05	0.32	0.06	0.2	0.02	0.18	0.02	1340	3	< 10	170	52.1
048	5.11	0.57	2.44	0.73	0.21	0.67	0.12	0.67	0.13	0.42	0.05	0.35	0.05	18	1.4	< 10	3880	48.9
051	2.09	0.28	1.17	0.35	0.12	0.33	0.05	0.29	0.06	0.19	0.02	0.17	0.02	6.8	1.2	< 10	541	87
052	4.12	0.48	2	0.49	0.19	0.44	0.07	0.32	0.06	0.23	0.02	0.18	0.03	7.7	2.3	< 10	1720	22.8
053	7.79	1.03	4.33	1.1	0.33	0.96	0.16	0.88	0.18	0.54	0.07	0.52	0.06	9.2	1.6	< 10	2700	39
054	3.19	0.37	1.45	0.36	0.13	0.37	0.06	0.27	0.05	0.18	0.02	0.16	0.02	9.4	1	< 10	1190	5.4
055	2.73	0.43	1.93	0.4	0.13	0.28	0.05	0.3	0.05	0.16	0.02	0.44	0.02	9	1.2	< 10	574	14.6
056	2.42	0.33	1.35	0.34	0.13	0.28	0.04	0.2	0.04	0.14	0.02	0.13	0.02	12.1	1.3	< 10	491	46.9
057	2.95	0.4	1.7	0.37	0.15	0.31	0.06	0.25	0.05	0.16	0.01	0.12	0.02	7.7	0.8	< 10	406	14

Final Report
Activation Laboratories

Analyte Symbol	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Li	Be	Sc	Mn	Rb
Unit Symbol	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Detection Limit	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	0.5	0.1	10	0.4	0.1
Analysis Method	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS
058	3.63	0.45	2.07	0.5	0.22	0.41	0.07	0.37	0.07	0.24	0.03	0.26	0.03	9.5	1	< 10	473	41.5
059	0.29	< 0.01	0.11	0.02	0.04	0.02	< 0.01	< 0.01	< 0.01	0.01	< 0.01	0.02	< 0.01	3.3	0.7	< 10	209	11.3
060	8.5	1.4	5.62	1.37	0.42	1.16	0.19	0.98	0.19	0.49	0.07	0.44	0.06	4.3	2.8	< 10	2400	41.3
061	3.26	0.43	1.74	0.4	0.15	0.33	0.05	0.27	0.05	0.14	0.02	0.12	0.02	9.6	0.3	< 10	318	23
062	3.79	0.5	1.91	0.48	0.16	0.38	0.06	0.33	0.06	0.21	0.03	0.18	0.03	3.6	2.3	< 10	117	28.8
063	2.03	0.27	1.03	0.28	0.12	0.2	0.04	0.17	0.04	0.14	0.01	0.13	0.02	5.5	0.6	< 10	590	12.5
067	3.57	0.84	3.49	0.75	0.25	0.82	0.08	0.44	0.09	0.27	0.04	0.29	0.04	6	1	< 10	3580	14.5
068	1.36	0.22	0.76	0.18	0.1	0.16	0.02	0.15	0.03	0.1	0.01	0.1	0.02	8.4	1.2	< 10	178	42.7
069	2.46	0.26	1.14	0.25	0.13	0.33	0.05	0.23	0.04	0.14	0.02	0.14	0.02	8.5	0.5	< 10	463	27.1
070	0.96	0.13	0.51	0.11	0.1	0.07	0.02	0.14	0.02	0.05	< 0.01	0.06	< 0.01	9.1	0.9	< 10	542	11.6
071	1.22	0.11	0.43	0.1	0.05	0.07	0.01	0.05	0.01	0.04	< 0.01	0.03	< 0.01	8.5	0.2	< 10	581	6.3
072	30.1	9.89	39.7	7.22	1.67	5.74	0.71	3.22	0.6	1.64	0.21	1.25	0.19	5.5	6.8	< 10	1790	22.1
073	6.54	1.15	4.61	0.95	0.33	0.76	0.12	0.54	0.09	0.28	0.04	0.25	0.03	12.6	2	< 10	246	33.2
074	3.06	0.5	1.96	0.44	0.16	0.33	0.06	0.26	0.05	0.16	0.02	0.13	0.02	6.8	1.5	< 10	1260	52.6
075	1.18	0.16	0.68	0.12	0.07	0.13	0.02	0.1	0.03	0.05	< 0.01	0.04	< 0.01	8.4	0.3	< 10	282	45.9
076	2.47	0.7	3.39	0.59	0.15	0.45	0.06	0.28	0.06	0.17	0.02	0.15	0.02	55.1	0.7	< 10	2870	14.5
077	2.89	4.63	21.2	4.1	0.91	3.29	0.39	1.86	0.43	1.36	0.18	1.38	0.26	4.5	1.6	< 10	2200	29.3
079	4	0.89	3.59	0.77	0.25	0.63	0.09	0.43	0.09	0.26	0.03	0.22	0.03	10.1	1.9	< 10	569	40.5
080	8.06	1.03	4.28	0.92	0.34	0.73	0.11	0.59	0.12	0.37	0.05	0.38	0.05	9.2	2.6	< 10	1560	41.6
081	2.75	0.38	1.45	0.34	0.25	0.3	0.05	0.26	0.05	0.14	0.02	0.12	0.02	12	3.8	< 10	2130	52.8
082	6.4	0.83	3.43	0.84	0.26	0.67	0.11	0.57	0.1	0.32	0.04	0.29	0.04	16.9	2.2	< 10	419	40.7
083	1.87	0.16	0.82	0.17	0.06	0.15	0.02	0.1	0.02	0.06	< 0.01	0.05	< 0.01	11.2	0.4	< 10	438	39.8
084	2.37	0.24	0.95	0.24	0.11	0.18	0.03	0.18	0.03	0.09	0.01	0.12	0.02	8.6	0.9	< 10	335	17.3
085	0.84	0.08	0.35	0.06	0.05	0.08	0.01	0.05	0.01	0.04	< 0.01	0.09	< 0.01	9.2	0.2	< 10	285	26.2
086	2.39	0.31	1.21	0.32	0.17	0.28	0.06	0.25	0.06	0.15	0.03	0.14	0.04	16.5	3.4	< 10	248	36.7
087	5.34	0.7	2.98	0.73	0.23	0.57	0.1	0.58	0.1	0.28	0.04	0.25	0.04	5.6	1.7	< 10	836	43.1
089	0.09	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.01	< 0.01	12.6	0.2	< 10	189	33.7
090	3.02	0.38	1.57	0.44	0.21	0.34	0.07	0.36	0.08	0.25	0.03	0.25	0.03	3.4	2.3	< 10	1430	89.4
091	2.33	0.31	1.25	0.32	0.11	0.28	0.07	0.29	0.05	0.32	0.02	0.17	0.04	7.8	0.3	< 10	191	20.1
092	5.03	0.6	2.62	0.71	0.23	0.55	0.1	0.53	0.1	0.26	0.04	0.22	0.03	6.6	1.8	< 10	357	41.8
093	5.11	0.73	3.06	0.74	0.23	0.6	0.12	0.64	0.13	0.39	0.06	0.38	0.05	7.4	0.9	< 10	387	14.5
094	6.85	0.84	3.46	0.88	0.3	0.75	0.14	0.77	0.16	0.49	0.06	0.46	0.07	14.5	3.7	< 10	324	24.1
096	7.32	1.18	5.09	1.26	0.36	1	0.16	0.82	0.15	0.42	0.06	0.41	0.06	6.6	0.9	< 10	939	74.9
097	14.1	1.79	6.93	1.62	0.49	1.53	0.23	1.24	0.25	0.64	0.09	0.62	0.07	4.3	2	10	1050	30.9
098	3.66	0.43	1.88	0.5	0.19	0.44	0.07	0.33	0.06	0.2	0.02	0.18	0.03	3.2	2	< 10	325	51.7
101	10.7	1.71	7.37	1.68	0.47	1.25	0.18	0.94	0.18	0.56	0.08	0.57	0.08	7.9	2.4	< 10	4090	56.6
102	3.19	0.5	1.85	0.44	0.21	0.37	0.08	0.41	0.08	0.24	0.04	0.28	0.04	8.3	1.2	< 10	468	13.8
110	4.34	0.58	2.49	0.55	0.17	0.48	0.08	0.4	0.08	0.24	0.04	0.23	0.03	25.1	1.4	< 10	852	45.8
112	0.49	0.05	0.2	0.04	0.03	0.1	< 0.01	0.02	< 0.01	0.02	< 0.01	< 0.01	< 0.01	6.7	0.5	< 10	199	3.3
125	4.98	0.62	2.5	0.61	0.19	0.46	0.08	0.38	0.07	0.2	0.03	0.17	0.02	11.5	3.2	< 10	211	40.8
126	3.38	0.43	1.66	0.38	0.13	0.33	0.05	0.26	0.05	0.12	0.02	0.11	0.02	14.8	2.5	< 10	4600	32.3
127	7.81	0.97	3.92	0.99	0.31	0.75	0.15	0.73	0.13	0.39	0.05	0.37	0.05	29.8	3.8	< 10	2060	70.2
128	8.35	1.03	4.23	1.05	0.29	0.87	0.14	0.75	0.13	0.42	0.06	0.39	0.05	33.4	3	< 10	2950	58.7
129	2.06	0.31	1.19	0.25	0.13	0.25	0.04	0.17	0.03	0.1	0.02	0.09	0.01	11.7	1.3	< 10	99.7	33.6
130	10.6	1.02	3.69	0.93	0.26	0.67	0.11	0.57	0.1	0.31	0.04	0.26	0.03	20.6	1.6	< 10	239	34.9
131	1.78	0.36	0.9	0.22	0.07	0.16	0.02	0.14	0.03	0.08	0.01	0.1	< 0.01	32.1	0.7	< 10	184	59.6
132	2.33	0.27	1.03	0.27	0.1	0.21	0.04	0.2	0.04	0.12	0.02	0.11	0.01	8.8	1.5	< 10	2880	44.8
133	13	1.72	6.5	1.48	0.44	1.21	0.18	0.97	0.17	0.47	0.06	0.4	0.05	8.9	3.9	< 10	215	35.9
134	1.59	0.16	0.63	0.18	0.07	0.14	0.02	0.14	0.05	0.07	0.01	0.18	0.01	8.1	0.4	< 10	477	21.9

Final Report
Activation Laboratories

Analyte Symbol	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Li	Be	Sc	Mn	Rb
Unit Symbol	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Detection Limit	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	0.5	0.1	10	0.4	0.1
Analysis Method	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS
135	3.38	0.42	1.74	0.42	0.13	0.34	0.06	0.33	0.06	0.18	0.03	0.15	0.02	18.6	1.6	< 10	2980	95.5
136	3.74	0.4	1.47	0.33	0.1	0.25	0.04	0.18	0.04	0.13	0.01	0.12	0.01	8.7	0.5	< 10	237	26.2
137	2.24	0.27	1.19	0.27	0.12	0.23	0.03	0.21	0.04	0.12	0.02	0.1	0.02	11.7	1.5	< 10	198	43.8
138	2.1	0.27	1.12	0.29	0.11	0.23	0.04	0.19	0.04	0.11	0.02	0.1	0.01	20.2	1	< 10	455	41.8
139	1.31	0.12	0.4	0.1	0.06	0.09	< 0.01	0.07	0.02	0.05	< 0.01	0.06	< 0.01	6.2	0.3	< 10	165	7.8
140	2.46	0.32	1.27	0.32	0.1	0.25	0.04	0.19	0.04	0.14	0.02	0.13	0.01	9.5	0.5	< 10	265	11.1
141	2.31	0.32	1.18	0.28	0.1	0.21	0.04	0.18	0.03	0.13	0.02	0.09	0.01	18.8	1	< 10	150	47.5
142	7.76	0.95	3.88	1.01	0.31	0.84	0.13	0.8	0.18	0.43	0.06	0.4	0.05	12	3.1	10	1760	63.7
143	2.22	0.31	0.91	0.24	0.09	0.18	0.04	0.16	0.04	0.1	< 0.01	0.12	0.02	5.5	0.4	< 10	809	23.5
144	1.25	0.13	0.63	0.14	0.06	0.13	0.02	0.1	0.02	0.07	0.01	0.1	< 0.01	13.3	0.6	< 10	109	40.9
145	1.95	0.25	1.05	0.27	0.11	0.24	0.04	0.21	0.04	0.1	0.02	0.09	0.01	6.3	1.8	< 10	160	22
146	3.17	0.35	1.48	0.35	0.14	0.28	0.04	0.23	0.05	0.14	0.02	0.13	0.01	12.9	0.5	< 10	387	36.9
147	2.25	0.28	1.12	0.28	0.1	0.23	0.04	0.2	0.04	0.11	0.01	0.1	0.01	8.1	1.8	< 10	174	68.9
148	2.56	0.3	1.17	0.3	0.12	0.22	0.04	0.18	0.04	0.12	0.02	0.1	0.01	4.6	1.3	< 10	517	49.7
149	2.56	0.29	1.1	0.23	0.1	0.17	0.03	0.18	0.03	0.11	0.02	0.09	< 0.01	15.1	0.7	< 10	226	14.8
150	1.67	0.12	0.48	0.38	0.09	0.14	0.02	0.09	0.02	0.11	0.01	0.08	< 0.01	6.1	0.9	< 10	179	33.8
151	1.74	0.21	0.85	0.21	0.1	0.17	0.03	0.14	0.04	0.11	0.02	0.1	0.01	10.8	1.1	< 10	95	24.9
152	5.71	0.77	2.57	0.63	0.21	0.54	0.09	0.45	0.08	0.23	0.03	0.25	0.03	19.6	0.9	< 10	138	29.6
157	3.6	0.44	1.78	0.35	0.15	0.3	0.05	0.21	0.05	0.17	0.02	0.15	0.02	4.7	1.6	< 10	252	13.2
158	3.69	0.47	1.95	0.49	0.16	0.34	0.06	0.31	0.06	0.21	0.03	0.19	0.02	1.3	1.8	< 10	1570	55.5
159	4.24	0.53	2.07	0.53	0.25	0.45	0.07	0.35	0.06	0.2	0.02	0.16	0.02	11.3	2.8	< 10	224	22.8
160	< 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	43.7	< 0.1	< 10	48.2	17.5
163	< 0.01	< 0.01	0.47	< 0.01	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	17.9	0.2	< 10	153	6.3
164	2.31	0.5	0.71	0.17	0.08	0.14	0.02	0.11	0.03	0.07	< 0.01	0.06	< 0.01	3	0.7	< 10	541	15.5
170	2.19	0.26	1.07	0.29	0.12	0.23	0.04	0.2	0.03	0.11	0.02	0.09	0.01	8.2	1.6	< 10	415	32.2
171	3.97	0.48	2.4	0.49	0.14	0.36	0.07	0.34	0.06	0.19	0.03	0.19	0.02	11.3	1.3	< 10	270	54.1
172	3.44	0.38	1.46	0.35	0.14	0.33	0.05	0.3	0.06	0.16	0.03	0.15	0.02	17	1	< 10	543	22.2
173	1.69	0.14	0.58	0.19	0.09	0.18	0.02	0.18	0.04	0.12	0.02	0.12	0.01	3.5	1	< 10	208	10.3
174	0.51	0.02	0.12	0.06	0.03	0.05	< 0.01	0.03	< 0.01	0.04	< 0.01	0.03	< 0.01	4.9	0.5	< 10	241	29.4
175	2.29	0.29	1.09	0.28	0.12	0.24	0.03	0.2	0.04	0.11	0.02	0.12	0.01	5.6	2.2	< 10	286	47.9
176	1.93	0.22	0.93	0.22	0.1	0.21	0.04	0.17	0.03	0.11	0.02	0.13	0.01	20.5	1	< 10	653	32.2
177	1.96	0.17	0.43	0.11	0.08	0.13	0.05	0.14	0.02	0.1	0.02	0.14	0.02	5.6	0.4	< 10	455	41.2
178	6.99	1.04	3.89	0.97	0.31	0.73	0.13	0.7	0.12	0.37	0.05	0.37	0.05	14.6	3.8	< 10	142	45.5
179	1.81	0.23	0.88	0.22	0.09	0.15	0.03	0.14	0.03	0.09	0.02	0.12	0.02	14.7	0.6	< 10	198	35.9
180	0.49	0.02	0.1	0.02	0.03	0.02	< 0.01	< 0.01	< 0.01	0.02	< 0.01	0.03	< 0.01	11.4	0.2	< 10	778	21.7
181	4.13	0.48	1.89	0.45	0.15	0.37	0.08	0.32	0.06	0.15	0.02	0.12	0.01	10.4	2.1	< 10	233	20.6
182	1.09	0.11	0.47	0.1	0.05	0.11	0.02	0.07	0.01	0.05	< 0.01	0.04	< 0.01	4.1	0.7	< 10	352	25.4
183	1.02	0.09	0.37	0.11	0.05	0.1	0.01	0.08	0.01	0.05	< 0.01	0.06	< 0.01	13.8	0.3	< 10	1420	9.8
184	4.76	0.59	2.4	0.52	0.18	0.43	0.07	0.37	0.07	0.19	0.03	0.2	0.02	9.1	3.2	< 10	422	38.3
185	5.73	0.77	2.98	0.78	0.26	0.59	0.11	0.55	0.11	0.29	0.04	0.26	0.03	4.9	1	< 10	263	48
186	5.21	0.74	2.99	0.68	0.2	0.52	0.09	0.39	0.09	0.21	0.03	0.2	0.02	4.8	2.3	< 10	348	76.3
187	1.79	0.25	0.95	0.39	0.08	0.16	0.03	0.15	0.02	0.08	0.01	0.08	0.01	6.3	0.6	< 10	544	10.8
188	5.85	0.71	2.76	0.62	0.2	0.53	0.08	0.44	0.09	0.25	0.04	0.23	0.03	7.1	1	< 10	147	17.9
189	2.42	0.33	1.39	0.33	0.11	0.29	0.05	0.26	0.05	0.12	0.02	0.12	0.01	19.1	2.6	< 10	154	42.5
190	1.48	0.19	0.72	0.19	0.08	0.17	0.03	0.15	0.03	0.06	0.02	0.07	0.01	9.9	1	< 10	209	11.6
191	0.99	0.12	0.49	0.11	0.04	0.11	0.02	0.07	0.01	0.05	< 0.01	0.05	< 0.01	9.3	0.4	< 10	189	23.1
192	3.89	0.49	1.86	0.49	0.16	0.38	0.06	0.3	0.06	0.16	0.02	0.12	0.02	9.3	0.8	< 10	394	16.4
193	3.67	0.43	1.59	0.42	0.13	0.31	0.06	0.26	0.05	0.11	0.02	0.11	0.01	6.9	1.3	< 10	164	52.5
194	2.41	0.34	1.4	0.33	0.12	0.3	0.04	0.23	0.04	0.12	0.02	0.14	0.01	6.9	1.3	< 10	206	29.8

Final Report
Activation Laboratories

Analyte Symbol	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Li	Be	Sc	Mn	Rb
Unit Symbol	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Detection Limit	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	0.5	0.1	10	0.4	0.1
Analysis Method	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS
195	11.6	1.61	6.39	1.49	0.45	1.18	0.2	1.03	0.2	0.56	0.08	0.49	0.07	10	2.8	< 10	193	30.7
197	2.57	0.32	1.21	0.3	0.1	0.21	0.04	0.19	0.03	0.09	0.02	0.09	< 0.01	12.6	0.2	< 10	142	14.2
198	8.61	1.08	4.43	1.03	0.3	0.85	0.13	0.7	0.12	0.34	0.05	0.28	0.04	7.5	1.8	< 10	138	33.8
199	2.79	0.35	1.5	0.36	0.12	0.27	0.07	0.26	0.05	0.12	0.02	0.11	< 0.01	4.6	1.5	< 10	182	75.3
200	3.68	0.49	2.05	0.5	0.16	0.38	0.06	0.33	0.06	0.17	0.03	0.15	0.02	5.8	1.7	< 10	263	43.5
201	0.79	0.09	0.39	0.11	0.05	0.07	0.01	0.06	0.01	0.04	< 0.01	0.04	< 0.01	3.6	0.7	< 10	247	10.3
202	2.1	0.27	1.14	0.22	0.09	0.2	0.04	0.2	0.04	0.13	0.02	0.13	0.02	8.4	1	< 10	151	7.5
203	0.57	0.08	0.26	0.05	0.04	0.06	0.01	0.04	< 0.01	0.05	< 0.01	0.03	< 0.01	6.1	0.3	< 10	121	7.3
205	7.29	1.04	4.5	1.02	0.27	0.79	0.13	0.67	0.12	0.35	0.05	0.29	0.04	2.8	1.4	< 10	466	37.6
206	4.67	0.62	2.67	0.62	0.19	0.49	0.08	0.41	0.08	0.23	0.03	0.21	0.03	2.8	1.6	< 10	544	37.2
207	4.57	0.65	2.88	0.64	0.21	0.56	0.09	0.46	0.09	0.24	0.03	0.22	0.03	4.1	1.7	< 10	920	51.4
208	1.85	0.25	1.06	0.23	0.12	0.21	0.03	0.15	0.03	0.1	0.02	0.08	0.01	2	1	< 10	967	31.3
209	4.52	0.6	2.44	0.59	0.18	0.44	0.08	0.45	0.08	0.23	0.04	0.22	0.02	2.2	1.9	< 10	555	32.9
210	9.29	1.45	5.7	1.38	0.39	1.09	0.18	0.91	0.16	0.45	0.06	0.4	0.05	4.6	2.6	< 10	317	22.5
211	5.55	0.8	3.27	0.79	0.27	0.62	0.11	0.56	0.11	0.3	0.04	0.26	0.03	5.1	1.8	< 10	309	31.2
212	1.17	0.15	0.61	0.16	0.06	0.1	0.02	0.09	0.02	0.05	< 0.01	0.05	< 0.01	13.6	0.4	< 10	141	15
213	3.08	0.41	1.8	0.39	0.14	0.32	0.06	0.25	0.04	0.13	0.02	0.1	0.01	3.3	0.8	< 10	120	17.4
214	2.52	0.35	1.45	0.34	0.12	0.25	0.04	0.2	0.04	0.12	0.02	0.11	0.01	6.3	1.8	< 10	114	28.6
215	1.93	0.23	0.97	0.24	0.08	0.21	0.03	0.18	0.04	0.11	0.02	0.12	0.01	8.1	0.9	< 10	592	28
216	4.03	0.54	2.21	0.51	0.18	0.43	0.07	0.38	0.07	0.19	0.03	0.17	0.02	138	1.5	< 10	357	48.2
217	1.94	0.27	1.17	0.24	0.09	0.21	0.04	0.16	0.03	0.1	0.01	0.08	< 0.01	6.4	1	< 10	260	26.2
218	3.91	0.49	2.12	0.58	0.19	0.47	0.08	0.4	0.07	0.19	0.03	0.17	0.02	8	2.5	< 10	1120	48.3
219	6.58	1.18	4.53	1.04	0.37	0.85	0.14	0.74	0.14	0.39	0.06	0.36	0.04	2.6	2.7	< 10	550	32.1
220	6.58	1.12	4.3	0.97	0.34	0.82	0.13	0.75	0.15	0.35	0.06	0.36	0.05	2.3	1.9	< 10	641	25.8
221	4.11	0.6	2.64	0.66	0.22	0.51	0.08	0.42	0.08	0.22	0.03	0.19	0.03	1.6	1.5	< 10	582	39.8
222	4.23	0.55	2.33	0.58	0.19	0.53	0.08	0.48	0.08	0.23	0.03	0.17	0.02	2.6	1.4	< 10	327	45.7
223	1.67	0.19	0.85	0.23	0.08	0.19	0.03	0.14	0.03	0.09	0.01	0.09	< 0.01	10	0.3	< 10	174	19 9
224	19.5	4.79	20.4	4.38	0.98	3.38	0.43	2.13	0.43	1.3	0.17	1.09	0.17	2.1	2.6	< 10	48.6	7.7
225	3.28	0.53	2.24	0.51	0.16	0.41	0.06	0.35	0.06	0.18	0.03	0.16	0.02	3.3	0.7	< 10	287	8
226	7.78	1.22	4.95	1.13	0.31	0.91	0.14	0.68	0.14	0.4	0.06	0.36	0.06	2.9	2.4	< 10	2780	31.3
227	4.76	0.65	2.71	0.69	0.21	0.46	0.08	0.44	0.09	0.22	0.03	0.21	0.02	6.8	1.2	< 10	336	27.3
228	2.21	0.31	1.28	0.34	0.09	0.23	0.05	0.24	0.04	0.12	0.02	0.1	0.02	8.5	0.5	< 10	874	25.7
229	3.31	0.41	1.65	0.35	0.14	0.3	0.05	0.27	0.05	0.14	0.02	0.14	0.02	5.1	1.8	< 10	550	34.3
230	3.94	0.45	1.85	0.39	0.17	0.39	0.06	0.32	0.05	0.14	0.02	0.14	0.02	6.8	1.8	< 10	1010	53.6
232	3.05	0.34	1.62	0.38	0.16	0.33	0.06	0.32	0.06	0.17	0.03	0.17	0.02	10.7	1.6	< 10	233	26.9
233	1.75	0.18	0.84	0.18	0.08	0.16	0.03	0.13	0.03	0.07	0.01	0.07	< 0.01	11.6	0.7	< 10	196	46.1
234	3.72	0.49	2.06	0.47	0.14	0.43	0.08	0.35	0.07	0.2	0.03	0.16	0.02	5	1.5	< 10	405	83.3
235	3.15	0.47	1.84	0.43	0.19	0.35	0.06	0.3	0.05	0.14	0.02	0.12	0.02	4.9	0.9	< 10	4790	15.2
236	3.43	0.48	1.88	0.45	0.14	0.34	0.06	0.27	0.06	0.15	0.02	0.13	0.02	3.7	1.7	< 10	818	40.8
237	5.01	0.71	2.78	0.69	0.23	0.55	0.09	0.49	0.09	0.23	0.03	0.22	0.03	4.9	2.1	< 10	495	28
238	5.26	0.72	2.92	0.63	0.25	0.53	0.08	0.42	0.08	0.25	0.03	0.24	0.03	2.9	0.8	< 10	1710	15.8
239	2.46	0.31	1.28	0.34	0.15	0.29	0.04	0.24	0.04	0.12	0.01	0.12	0.02	6.6	1.7	< 10	560	58.2
240	2.03	0.32	1.32	0.35	0.13	0.27	0.04	0.21	0.05	0.15	0.02	0.12	0.01	5	1.4	< 10	736	19.3
241	4.15	0.52	2	0.45	0.16	0.4	0.06	0.32	0.06	0.16	0.02	0.16	0.02	2.8	1.4	< 10	445	34.5
242	1.72	0.21	0.87	0.22	0.09	0.19	0.03	0.17	0.03	0.09	0.01	0.08	< 0.01	3.9	0.3	< 10	508	2.8
243	1.29	0.15	0.59	0.16	0.07	0.11	0.02	0.11	0.03	0.08	< 0.01	0.06	0.01	3.9	1.6	< 10	212	25.9
244	6.2	0.92	3.51	0.73	0.25	0.58	0.09	0.43	0.09	0.25	0.04	0.22	0.03	5.4	2.2	< 10	145	27.1
245	3.12	0.43	1.59	0.39	0.16	0.35	0.05	0.28	0.05	0.15	0.02	0.14	0.02	5.9	2	< 10	104	18
246	4.16	0.42	1.7	0.4	0.15	0.32	0.05	0.28	0.05	0.13	0.02	0.1	0.02	5.9	1.3	< 10	249	35.9

Final Report
Activation Laboratories

Analyte Symbol	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Li	Be	Sc	Mn	Rb
Unit Symbol	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Detection Limit	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	0.5	0.1	10	0.4	0.1
Analysis Method	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS
247	2.48	0.31	1.26	0.33	0.11	0.24	0.04	0.19	0.04	0.11	0.02	0.1	0.01	3.8	1.5	< 10	179	13.9
248	3.89	0.49	1.98	0.43	0.16	0.38	0.06	0.27	0.06	0.17	0.02	0.15	0.02	2.6	1.5	< 10	193	10.1
249	4.62	0.56	2.37	0.43	0.14	0.41	0.06	0.27	0.05	0.15	0.02	0.15	0.03	2.8	1.1	< 10	116	7.6
253	3.78	0.44	1.65	0.36	0.13	0.25	0.05	0.23	0.05	0.13	0.02	0.1	0.01	4	1.1	< 10	2580	19.4
254	1.96	0.36	0.98	0.29	0.14	0.18	0.03	0.14	0.03	0.08	0.01	0.06	0.01	6.9	0.8	< 10	1530	6.2
255	3.29	0.43	1.75	0.42	0.18	0.32	0.06	0.28	0.05	0.13	0.02	0.12	0.01	5.5	1.6	< 10	2170	42.4
256	2.4	0.3	1.22	0.28	0.14	0.23	0.04	0.19	0.04	0.12	0.02	0.1	0.01	3.3	2	< 10	475	42.5
257	3.37	0.48	1.82	0.5	0.19	0.38	0.06	0.29	0.06	0.17	0.03	0.16	0.02	2.8	2.4	< 10	954	28.2
258	4.24	0.54	2.1	0.49	0.17	0.34	0.06	0.35	0.06	0.19	0.02	0.16	0.02	3.4	1.8	< 10	2430	23.1
259	3.8	0.54	2.1	0.5	0.16	0.39	0.06	0.3	0.05	0.15	0.02	0.14	0.02	2.7	2	< 10	2450	55.8
260	2.09	0.27	1.15	0.29	0.15	0.24	0.04	0.19	0.04	0.12	0.02	0.13	0.02	1.7	1.1	< 10	1740	6.1
261	2.6	0.33	1.37	0.31	0.14	0.26	0.04	0.24	0.04	0.12	0.02	0.13	0.02	2.1	1.4	< 10	680	56.1
262	1.6	0.18	0.81	0.19	0.1	0.13	0.02	0.13	0.02	0.07	0.01	0.05	< 0.01	6.3	1.2	< 10	186	17.1
263	1.33	0.17	0.66	0.18	0.1	0.16	0.02	0.12	0.04	0.07	0.01	0.08	0.01	6.2	1.7	< 10	216	22.8
264	3.19	0.43	1.82	0.39	0.15	0.3	0.05	0.25	0.05	0.16	0.02	0.13	0.02	4	1.3	< 10	1450	38.9
265	1.42	0.19	0.71	0.16	0.07	0.12	0.02	0.09	0.02	0.05	< 0.01	0.05	< 0.01	11.5	0.5	< 10	199	15.6
266	2.84	0.39	1.63	0.39	0.16	0.32	0.05	0.3	0.06	0.18	0.02	0.16	0.02	2.9	2.2	< 10	283	44.4
267	2.07	0.26	1.06	0.25	0.1	0.2	0.04	0.2	0.03	0.12	0.01	0.09	0.02	10.4	0.7	< 10	154	27.7
268	2.01	0.3	1.25	0.28	0.15	0.25	0.05	0.19	0.04	0.1	0.02	0.11	0.02	1.8	1.2	< 10	1050	53.2
269	1.61	0.2	0.82	0.2	0.11	0.19	0.03	0.17	0.04	0.11	0.01	0.09	0.02	8.1	2.4	< 10	125	34.7
270	1.83	0.21	0.96	0.27	0.12	0.2	0.03	0.19	0.04	0.12	0.02	0.11	0.02	15.2	1.9	< 10	270	60.9
271	0.68	0.09	0.29	0.06	0.04	0.05	0.01	0.06	0.01	0.04	< 0.01	0.04	< 0.01	4.1	0.7	< 10	166	18.4
273	1.27	0.14	0.68	0.14	0.06	0.13	0.03	0.1	0.03	0.09	< 0.01	0.07	< 0.01	3.1	1.2	< 10	286	10
274	0.26	< 0.01	< 0.01	< 0.01	0.05	< 0.01	< 0.01	< 0.01	< 0.01	0.01	< 0.01	< 0.01	< 0.01	4.3	0.4	< 10	261	4.5
275	1.82	0.23	0.99	0.27	0.1	0.19	0.03	0.19	0.04	0.1	0.02	0.08	0.02	3.6	2	< 10	391	43.7
276	3.88	0.48	1.98	0.47	0.19	0.38	0.06	0.32	0.07	0.23	0.03	0.22	0.03	3	1.6	< 10	15000	58.5
277	2.18	0.26	0.97	0.24	0.08	0.19	0.03	0.13	0.03	0.09	< 0.01	0.08	< 0.01	142	0.6	< 10	242	12.1
278	1.71	0.2	0.9	0.24	0.1	0.18	0.03	0.15	0.03	0.1	0.02	0.1	0.01	12.5	1.3	< 10	347	19.1
279	3.92	0.56	2.15	0.48	0.19	0.39	0.07	0.37	0.07	0.22	0.03	0.19	0.03	9.2	2.4	< 10	329	42.8
280	2.27	0.31	1.24	0.28	0.14	0.23	0.03	0.25	0.05	0.13	0.02	0.1	0.02	5.5	1.7	< 10	740	50.7
281	2.25	0.3	1.17	0.35	0.13	0.25	0.04	0.22	0.05	0.14	0.02	0.11	0.02	8.9	0.9	< 10	1380	19.1
282	1.23	0.14	0.63	0.16	0.09	0.15	0.03	0.12	0.02	0.07	< 0.01	0.06	0.01	5.9	1.8	< 10	530	34.7
283	3.18	0.35	1.45	0.35	0.12	0.28	0.04	0.21	0.05	0.11	0.02	0.1	< 0.01	4.1	1.4	< 10	2380	41.4
284	3.24	0.35	1.34	0.33	0.11	0.26	0.05	0.21	0.04	0.13	0.02	0.11	0.02	4.4	1.3	< 10	2570	26.3
285	4.36	0.8	3.07	0.66	0.2	0.54	0.07	0.37	0.07	0.19	0.03	0.17	0.02	7.6	2.1	< 10	513	44.2
286	4.71	0.61	2.48	0.53	0.19	0.4	0.07	0.32	0.06	0.19	0.03	0.18	0.02	6.1	1.7	< 10	1980	34.3
287	< 0.01	< 0.01	< 0.01	< 0.01	0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	4.6	0.2	< 10	274	9.2
288	1.12	0.18	0.67	0.19	0.1	0.13	0.02	0.13	0.02	0.07	0.01	0.07	< 0.01	6.6	1.9	< 10	622	25.7
289	1.23	0.24	0.91	0.23	0.11	0.17	0.03	0.14	0.03	0.1	0.01	0.08	< 0.01	4	1	< 10	768	10.7
290	2.17	0.35	1.49	0.3	0.13	0.27	0.03	0.2	0.03	0.1	0.02	0.09	< 0.01	12.9	0.9	< 10	2920	5
293	6.42	0.93	4.05	0.94	0.25	0.73	0.12	0.53	0.1	0.27	0.04	0.25	0.03	0.9	0.5	< 10	29.5	7.6
296	2.57	0.36	1.38	0.32	0.14	0.24	0.04	0.26	0.04	0.15	0.02	0.14	0.01	6.4	1.3	< 10	601	12.4
297	3.72	0.57	2.1	0.52	0.17	0.41	0.06	0.36	0.07	0.2	0.03	0.2	0.02	11.1	1.3	< 10	1130	13.9
298	4.13	0.51	2	0.43	0.16	0.36	0.06	0.31	0.06	0.16	0.03	0.15	0.02	2.9	1.9	< 10	466	24.5
299	3.85	0.51	1.97	0.46	0.22	0.39	0.06	0.35	0.06	0.19	0.03	0.18	0.02	2.6	2.1	< 10	550	9.9
300	3.21	0.48	1.8	0.4	0.19	0.34	0.05	0.31	0.06	0.19	0.03	0.16	0.02	4.3	3.5	< 10	4140	22.9
301 extra	2.16	0.31	1.24	0.26	0.12	0.25	0.03	0.21	0.04	0.12	0.01	0.09	< 0.01	8.1	1.8	< 10	519	12.1
302 extra	2.79	0.38	1.49	0.38	0.15	0.32	0.05	0.27	0.05	0.15	0.02	0.13	< 0.01	7	2.2	< 10	628	27
303 extra	3.69	0.5	2.04	0.47	0.18	0.39	0.07	0.35	0.07	0.17	0.02	0.15	0.02	8.9	1.8	< 10	3360	45.4

Final Report
Activation Laboratories

Analyte Symbol	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Li	Be	Sc	Mn	Rb
Unit Symbol	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Detection Limit	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	0.5	0.1	10	0.4	0.1
Analysis Method	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS
304 extra	4.12	0.6	2.15	0.42	0.14	0.35	0.06	0.28	0.05	0.15	0.02	0.1	0.01	3.8	2.5	< 10	261	48.4
305 extra	8.98	1.92	7.25	1.5	0.43	1.19	0.17	0.88	0.17	0.52	0.06	0.44	0.06	7.2	3.5	< 10	349	35.8
306 extra	3.57	0.57	2.1	0.43	0.19	0.37	0.06	0.3	0.06	0.14	0.02	0.11	0.01	10.9	2.3	< 10	493	30.2
307 extra	1.35	0.21	0.87	0.23	0.12	0.19	0.03	0.17	0.03	0.09	0.01	0.09	< 0.01	2.4	1.6	< 10	621	33.5
308 extra	3.07	0.44	1.73	0.42	0.21	0.37	0.06	0.33	0.08	0.18	0.02	0.16	0.01	7.9	2.8	< 10	442	34.9
309 extra	3.2	0.43	1.57	0.41	0.17	0.35	0.06	0.3	0.05	0.16	0.02	0.13	0.01	8.5	2.3	< 10	1680	29.3
A extra	2.09	0.25	1.06	0.27	0.12	0.21	0.04	0.2	0.03	0.1	0.01	0.08	< 0.01	10.8	1.1	< 10	323	41.2
B extra	5.79	0.72	3.03	0.75	0.3	0.65	0.1	0.58	0.11	0.33	0.04	0.33	0.04	13.7	1.8	< 10	1950	30.9
C extra	0.99	0.11	0.39	0.08	0.06	0.08	0.01	0.07	0.02	0.04	< 0.01	0.03	< 0.01	5.7	0.3	< 10	548	13.4
E extra	3.6	0.51	2.17	0.48	0.15	0.39	0.05	0.31	0.05	0.18	0.02	0.14	0.02	7.2	1.6	< 10	809	10.2
I extra	2.64	0.32	1.41	0.29	0.14	0.27	0.03	0.19	0.04	0.12	0.02	0.12	0.02	5	1.3	< 10	100	17.7
J extra	3.93	0.55	2.26	0.55	0.21	0.49	0.07	0.43	0.08	0.23	0.04	0.23	0.03	10.2	2.6	< 10	906	80
K extra	7.11	1	4.01	0.93	0.3	0.74	0.12	0.62	0.12	0.34	0.04	0.28	0.03	3.5	2.7	< 10	1320	35.6
L extra	3.27	0.42	1.63	0.38	0.12	0.35	0.06	0.32	0.05	0.12	0.01	0.08	< 0.01	7.8	0.9	< 10	510	22.3
M extra	5.65	0.79	3.17	0.74	0.26	0.64	0.11	0.54	0.09	0.28	0.03	0.26	0.03	2.8	2	< 10	753	38.7
N extra	3.06	0.43	1.71	0.38	0.17	0.35	0.06	0.32	0.05	0.16	0.02	0.17	0.02	5	1.4	< 10	115	24.1
Q extra	1.53	0.22	0.95	0.23	0.12	0.17	0.03	0.18	0.04	0.12	0.01	0.12	< 0.01	4.8	2.3	< 10	168	56.1
T extra	0.75	0.59	0.44	0.12	0.09	0.1	0.01	0.1	0.02	0.04	< 0.01	0.06	< 0.01	4.2	0.6	< 10	3570	7
V extra	0.04	0.01	0.11	0.01	0.05	< 0.01	< 0.01	0.06	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	2.1	0.4	< 10	2110	2.2

Analyte Symbol	Sr	Cs	Ba	Ru	Pd	Os	Pt
Unit Symbol	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Detection Limit	0.1	0.01	0.5	0.5	0.5	0.5	0.5
Analysis Method	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS
001	106	1.83	490	< 0.5	< 0.5	< 0.5	< 0.5
002	280	1.23	408	< 0.5	< 0.5	< 0.5	< 0.5
003	88.8	2	454	< 0.5	< 0.5	< 0.5	< 0.5
004	175	1.27	414	< 0.5	< 0.5	< 0.5	< 0.5
005	290	0.74	498	< 0.5	< 0.5	< 0.5	< 0.5
006	73.3	1.02	565	< 0.5	< 0.5	< 0.5	< 0.5
007	95.5	1.92	302	< 0.5	< 0.5	< 0.5	< 0.5
008	63.9	1.06	250	< 0.5	< 0.5	< 0.5	< 0.5
009	125	0.68	410	< 0.5	< 0.5	< 0.5	< 0.5
010	257	0.05	139	< 0.5	< 0.5	< 0.5	< 0.5
011	145	0.65	224	< 0.5	< 0.5	< 0.5	< 0.5
014	127	0.8	308	< 0.5	< 0.5	< 0.5	< 0.5
015	349	0.7	141	< 0.5	< 0.5	< 0.5	< 0.5
016	240	0.14	200	< 0.5	< 0.5	< 0.5	< 0.5
017	207	1.5	394	< 0.5	< 0.5	< 0.5	< 0.5
018	112	0.09	324	< 0.5	< 0.5	< 0.5	< 0.5
019	134	0.38	167	< 0.5	< 0.5	< 0.5	< 0.5
021	294	2.84	367	< 0.5	< 0.5	< 0.5	< 0.5
023	174	0.24	311	< 0.5	< 0.5	< 0.5	< 0.5
024	185	0.23	367	< 0.5	< 0.5	< 0.5	< 0.5
025	135	0.25	296	< 0.5	< 0.5	< 0.5	< 0.5
026	138	0.07	197	< 0.5	< 0.5	< 0.5	< 0.5
027	211	0.8	449	< 0.5	< 0.5	< 0.5	< 0.5
028	201	1.41	854	< 0.5	< 0.5	< 0.5	< 0.5
029	143	0.09	387	< 0.5	< 0.5	< 0.5	< 0.5
030	141	0.51	628	< 0.5	< 0.5	< 0.5	< 0.5
031	77.5	0.23	512	< 0.5	< 0.5	< 0.5	< 0.5
032	244	0.11	906	< 0.5	< 0.5	< 0.5	< 0.5
033	210	0.64	534	< 0.5	< 0.5	< 0.5	< 0.5
034	353	0.05	863	< 0.5	< 0.5	< 0.5	< 0.5
036	191	0.05	669	< 0.5	< 0.5	< 0.5	< 0.5
037	99.4	0.97	300	< 0.5	< 0.5	< 0.5	< 0.5
038	84	0.03	237	< 0.5	< 0.5	< 0.5	< 0.5
039	60.8	0.56	180	< 0.5	< 0.5	< 0.5	< 0.5
041	120	0.08	366	< 0.5	< 0.5	< 0.5	< 0.5
042	195	3.23	677	< 0.5	< 0.5	< 0.5	< 0.5
043	71.6	0.47	329	< 0.5	< 0.5	< 0.5	< 0.5
044	106	0.15	563	< 0.5	< 0.5	< 0.5	< 0.5
045	310	0.73	637	< 0.5	< 0.5	< 0.5	< 0.5
046	96.1	1.57	204	< 0.5	< 0.5	< 0.5	< 0.5
047	171	3.38	246	< 0.5	< 0.5	< 0.5	< 0.5
048	110	1.47	203	< 0.5	< 0.5	< 0.5	< 0.5
051	65.5	2.99	229	< 0.5	< 0.5	< 0.5	< 0.5
052	193	1.15	547	< 0.5	< 0.5	< 0.5	< 0.5
053	87.5	0.7	372	< 0.5	< 0.5	< 0.5	< 0.5
054	80.6	0.04	239	< 0.5	< 0.5	< 0.5	< 0.5
055	121	0.16	306	< 0.5	< 0.5	< 0.5	< 0.5
056	111	0.79	294	< 0.5	< 0.5	< 0.5	< 0.5
057	94.6	0.18	271	< 0.5	< 0.5	< 0.5	< 0.5

Analyte Symbol	Sr	Cs	Ba	Ru	Pd	Os	Pt
Unit Symbol	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Detection Limit	0.1	0.01	0.5	0.5	0.5	0.5	0.5
Analysis Method	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS
058	808	0.34	933	< 0.5	< 0.5	< 0.5	< 0.5
059	168	0.13	295	< 0.5	< 0.5	< 0.5	< 0.5
060	96.9	0.83	597	< 0.5	< 0.5	< 0.5	< 0.5
061	92.6	0.17	169	< 0.5	< 0.5	< 0.5	< 0.5
062	113	0.53	346	< 0.5	< 0.5	< 0.5	< 0.5
063	105	0.13	237	< 0.5	< 0.5	< 0.5	< 0.5
067	208	0.53	540	< 0.5	< 0.5	< 0.5	< 0.5
068	173	2.33	383	< 0.5	< 0.5	< 0.5	< 0.5
069	115	0.87	601	< 0.5	< 0.5	< 0.5	< 0.5
070	236	0.16	659	< 0.5	< 0.5	< 0.5	< 0.5
071	92.8	0.05	253	< 0.5	< 0.5	< 0.5	< 0.5
072	251	2.2	293	< 0.5	< 0.5	< 0.5	< 0.5
073	222	1.73	842	< 0.5	< 0.5	< 0.5	< 0.5
074	156	0.41	631	< 0.5	< 0.5	< 0.5	< 0.5
075	128	0.88	360	< 0.5	< 0.5	< 0.5	< 0.5
078	281	0.23	295	< 0.5	< 0.5	< 0.5	< 0.5
077	313	4.04	722	< 0.5	< 0.5	< 0.5	< 0.5
079	234	0.52	542	< 0.5	< 0.5	< 0.5	< 0.5
080	120	0.54	881	< 0.5	< 0.5	< 0.5	< 0.5
081	207	1.52	1580	< 0.5	< 0.5	< 0.5	< 0.5
082	156	0.3	337	< 0.5	< 0.5	< 0.5	< 0.5
083	185	0.14	240	< 0.5	< 0.5	< 0.5	< 0.5
084	187	0.17	431	< 0.5	< 0.5	< 0.5	< 0.5
085	157	0.14	209	< 0.5	< 0.5	< 0.5	< 0.5
086	121	1.52	592	< 0.5	< 0.5	< 0.5	< 0.5
087	177	0.87	460	< 0.5	< 0.5	< 0.5	< 0.5
089	76	0.42	92.6	< 0.5	< 0.5	< 0.5	< 0.5
090	163	2.18	1120	< 0.5	< 0.5	< 0.5	< 0.5
091	190	0.57	251	< 0.5	< 0.5	< 0.5	< 0.5
092	110	1.87	244	< 0.5	< 0.5	< 0.5	< 0.5
093	210	0.51	263	< 0.5	< 0.5	< 0.5	< 0.5
094	125	1.75	438	< 0.5	< 0.5	< 0.5	< 0.5
096	432	1.61	616	< 0.5	< 0.5	< 0.5	< 0.5
097	169	0.49	573	< 0.5	< 0.5	< 0.5	< 0.5
098	359	1.22	420	< 0.5	< 0.5	< 0.5	< 0.5
101	222	3.63	574	< 0.5	< 0.5	< 0.5	< 0.5
102	233	0.19	704	< 0.5	< 0.5	< 0.5	< 0.5
110	177	0.31	510	< 0.5	< 0.5	< 0.5	< 0.5
112	124	0.11	177	< 0.5	< 0.5	< 0.5	< 0.5
125	73.6	0.67	213	< 0.5	< 0.5	< 0.5	< 0.5
126	143	0.39	403	< 0.5	< 0.5	< 0.5	< 0.5
127	250	0.88	481	< 0.5	< 0.5	< 0.5	< 0.5
128	89.6	0.77	367	< 0.5	< 0.5	< 0.5	< 0.5
129	156	0.31	551	< 0.5	< 0.5	< 0.5	< 0.5
130	60	0.23	228	< 0.5	< 0.5	< 0.5	< 0.5
131	90.7	0.73	101	< 0.5	< 0.5	< 0.5	< 0.5
132	34.1	0.69	189	< 0.5	< 0.5	< 0.5	< 0.5
133	54.1	0.58	334	< 0.5	< 0.5	< 0.5	< 0.5
134	72.4	0.19	171	< 0.5	< 0.5	< 0.5	< 0.5

Analyte Symbol	Sr	Cs	Ba	Ru	Pd	Os	Pt
Unit Symbol	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Detection Limit	0.1	0.01	0.5	0.5	0.5	0.5	0.5
Analysis Method	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS
135	96.9	1.01	227	< 0.5	< 0.5	< 0.5	< 0.5
136	90	0.17	158	< 0.5	< 0.5	< 0.5	< 0.5
137	108	0.31	354	< 0.5	< 0.5	< 0.5	< 0.5
138	125	0.18	215	< 0.5	< 0.5	< 0.5	< 0.5
139	62.6	0.08	144	< 0.5	< 0.5	< 0.5	< 0.5
140	68.7	0.04	118	< 0.5	< 0.5	< 0.5	< 0.5
141	66.8	0.66	140	< 0.5	< 0.5	< 0.5	< 0.5
142	110	0.3	365	< 0.5	< 0.5	< 0.5	< 0.5
143	120	0.07	157	< 0.5	< 0.5	< 0.5	< 0.5
144	76.8	0.34	120	< 0.5	< 0.5	< 0.5	< 0.5
145	71.2	0.16	264	< 0.5	< 0.5	< 0.5	< 0.5
146	217	0.21	379	< 0.5	< 0.5	< 0.5	< 0.5
147	67.5	1.17	198	< 0.5	< 0.5	< 0.5	< 0.5
148	86.1	0.52	271	< 0.5	< 0.5	< 0.5	< 0.5
149	70.8	0.13	168	< 0.5	< 0.5	< 0.5	< 0.5
150	91	0.17	241	< 0.5	< 0.5	< 0.5	< 0.5
151	102	0.26	257	< 0.5	< 0.5	< 0.5	< 0.5
152	159	0.55	267	< 0.5	< 0.5	< 0.5	< 0.5
157	155	0.09	463	< 0.5	< 0.5	< 0.5	< 0.5
158	130	0.53	399	< 0.5	< 0.5	< 0.5	< 0.5
159	118	0.55	782	< 0.5	< 0.5	< 0.5	< 0.5
160	39	0.49	61.2	< 0.5	< 0.5	< 0.5	< 0.5
163	179	0.07	120	< 0.5	< 0.5	< 0.5	< 0.5
164	215	0.24	140	< 0.5	< 0.5	< 0.5	< 0.5
170	101	0.11	204	< 0.5	< 0.5	< 0.5	< 0.5
171	36.5	0.4	203	< 0.5	< 0.5	< 0.5	< 0.5
172	93.2	0.15	102	< 0.5	< 0.5	< 0.5	< 0.5
173	71	0.07	205	< 0.5	< 0.5	< 0.5	< 0.5
174	75.3	0.18	113	< 0.5	< 0.5	< 0.5	< 0.5
175	67.6	0.72	284	< 0.5	< 0.5	< 0.5	< 0.5
176	94.3	0.25	206	< 0.5	< 0.5	< 0.5	< 0.5
177	78.9	0.28	188	< 0.5	< 0.5	< 0.5	< 0.5
178	115	0.91	298	< 0.5	< 0.5	< 0.5	< 0.5
179	84.2	0.31	139	< 0.5	< 0.5	< 0.5	< 0.5
180	37.9	0.19	86.5	< 0.5	< 0.5	< 0.5	< 0.5
181	101	0.53	177	< 0.5	< 0.5	< 0.5	< 0.5
182	97.4	0.14	203	< 0.5	< 0.5	< 0.5	< 0.5
183	84.5	0.03	172	< 0.5	< 0.5	< 0.5	< 0.5
184	94.8	0.38	345	< 0.5	< 0.5	< 0.5	< 0.5
185	82.9	0.31	198	< 0.5	< 0.5	< 0.5	< 0.5
186	84.4	0.8	300	< 0.5	< 0.5	< 0.5	< 0.5
187	87.6	0.08	157	< 0.5	< 0.5	< 0.5	< 0.5
188	116	0.14	275	< 0.5	< 0.5	< 0.5	< 0.5
189	75.5	0.64	245	< 0.5	< 0.5	< 0.5	< 0.5
190	60.1	0.09	137	< 0.5	< 0.5	< 0.5	< 0.5
191	46.3	0.15	76.6	< 0.5	< 0.5	< 0.5	< 0.5
192	52.9	0.14	261	< 0.5	< 0.5	< 0.5	< 0.5
193	41.3	1.08	190	< 0.5	< 0.5	< 0.5	< 0.5
194	43.3	0.25	84	< 0.5	< 0.5	< 0.5	< 0.5

Analyte Symbol	Sr	Cs	Ba	Ru	Pd	Os	Pt
Unit Symbol	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Detection Limit	0.1	0.01	0.5	0.5	0.5	0.5	0.5
Analysis Method	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS
195	35.4	0.7	234	< 0.5	< 0.5	< 0.5	< 0.5
197	78.1	0.12	138	< 0.5	< 0.5	< 0.5	< 0.5
198	41.1	0.56	199	< 0.5	< 0.5	< 0.5	< 0.5
199	72.1	1.1	170	< 0.5	< 0.5	< 0.5	< 0.5
200	88.3	0.69	173	< 0.5	< 0.5	< 0.5	< 0.5
201	165	0.04	332	< 0.5	< 0.5	< 0.5	< 0.5
202	137	0.11	241	< 0.5	< 0.5	< 0.5	< 0.5
203	173	0.09	215	< 0.5	< 0.5	< 0.5	< 0.5
205	115	0.94	261	< 0.5	< 0.5	< 0.5	< 0.5
206	93.2	1.28	352	< 0.5	< 0.5	< 0.5	< 0.5
207	81.9	0.75	415	< 0.5	< 0.5	< 0.5	< 0.5
208	74.2	0.27	457	< 0.5	< 0.5	< 0.5	< 0.5
209	71.6	0.71	332	< 0.5	< 0.5	< 0.5	< 0.5
210	61.7	0.87	275	< 0.5	< 0.5	< 0.5	< 0.5
211	94.9	0.46	398	< 0.5	< 0.5	< 0.5	< 0.5
212	86.6	0.12	99.1	< 0.5	< 0.5	< 0.5	< 0.5
213	74.4	0.18	194	< 0.5	< 0.5	< 0.5	< 0.5
214	62.9	0.59	283	< 0.5	< 0.5	< 0.5	< 0.5
215	93.8	0.24	234	< 0.5	< 0.5	< 0.5	< 0.5
216	88.3	0.49	205	< 0.5	< 0.5	< 0.5	< 0.5
217	156	0.13	227	< 0.5	< 0.5	< 0.5	< 0.5
218	206	0.28	480	< 0.5	< 0.5	< 0.5	< 0.5
219	69.5	0.8	548	< 0.5	< 0.5	< 0.5	< 0.5
220	65.5	1.3	406	< 0.5	< 0.5	< 0.5	< 0.5
221	59.7	0.99	332	< 0.5	< 0.5	< 0.5	< 0.5
222	92.3	1.44	201	< 0.5	< 0.5	< 0.5	< 0.5
223	110	0.78	140	< 0.5	< 0.5	< 0.5	< 0.5
224	206	0.4	293	< 0.5	< 0.5	< 0.5	< 0.5
225	131	0.11	221	< 0.5	< 0.5	< 0.5	< 0.5
226	106	2.6	496	< 0.5	< 0.5	< 0.5	< 0.5
227	51.9	0.41	192	< 0.5	< 0.5	< 0.5	< 0.5
228	75.2	0.33	146	< 0.5	< 0.5	< 0.5	< 0.5
229	91.8	0.17	344	< 0.5	< 0.5	< 0.5	< 0.5
230	89.3	1.08	542	< 0.5	< 0.5	< 0.5	< 0.5
232	58.8	0.82	431	< 0.5	< 0.5	< 0.5	< 0.5
233	119	2.18	242	< 0.5	< 0.5	< 0.5	< 0.5
234	174	0.72	309	< 0.5	< 0.5	< 0.5	< 0.5
235	468	0.06	858	< 0.5	< 0.5	< 0.5	< 0.5
236	84.1	0.26	376	< 0.5	< 0.5	< 0.5	< 0.5
237	68.1	0.18	396	< 0.5	< 0.5	< 0.5	< 0.5
238	215	0.1	655	< 0.5	< 0.5	< 0.5	< 0.5
239	128	0.08	400	< 0.5	< 0.5	< 0.5	< 0.5
240	231	0.06	315	< 0.5	< 0.5	< 0.5	< 0.5
241	114	0.1	244	< 0.5	< 0.5	< 0.5	< 0.5
242	106	< 0.01	152	< 0.5	< 0.5	< 0.5	< 0.5
243	37.1	0.18	203	< 0.5	< 0.5	< 0.5	< 0.5
244	44.8	0.39	305	< 0.5	< 0.5	< 0.5	< 0.5
245	92.7	0.2	219	< 0.5	< 0.5	< 0.5	< 0.5
246	221	0.21	174	< 0.5	< 0.5	< 0.5	< 0.5

Analyte Symbol	Sr	Cs	Ba	Ru	Pd	Os	Pt
Unit Symbol	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Detection Limit	0.1	0.01	0.5	0.5	0.5	0.5	0.5
Analysis Method	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS
247	221	0.24	134	< 0.5	< 0.5	< 0.5	< 0.5
248	149	0.17	190	< 0.5	< 0.5	< 0.5	< 0.5
249	184	0.14	207	< 0.5	< 0.5	< 0.5	< 0.5
253	104	0.04	237	< 0.5	< 0.5	< 0.5	< 0.5
254	253	0.04	544	< 0.5	< 0.5	< 0.5	< 0.5
255	235	0.26	633	< 0.5	< 0.5	< 0.5	< 0.5
256	204	0.32	516	< 0.5	< 0.5	< 0.5	< 0.5
257	115	0.24	546	< 0.5	< 0.5	< 0.5	< 0.5
258	58	0.21	421	< 0.5	< 0.5	< 0.5	< 0.5
259	124	0.22	544	< 0.5	< 0.5	< 0.5	< 0.5
260	292	0.03	517	< 0.5	< 0.5	< 0.5	< 0.5
261	146	0.2	334	< 0.5	< 0.5	< 0.5	< 0.5
262	244	0.08	403	< 0.5	< 0.5	< 0.5	< 0.5
263	153	0.09	272	< 0.5	< 0.5	< 0.5	< 0.5
264	89.2	0.11	300	< 0.5	< 0.5	< 0.5	< 0.5
265	111	0.03	199	< 0.5	< 0.5	< 0.5	< 0.5
266	74.2	0.37	229	< 0.5	< 0.5	< 0.5	< 0.5
267	195	0.15	118	< 0.5	< 0.5	< 0.5	< 0.5
268	290	0.4	635	< 0.5	< 0.5	< 0.5	< 0.5
269	105	0.27	384	< 0.5	< 0.5	< 0.5	< 0.5
270	164	0.56	539	< 0.5	< 0.5	< 0.5	< 0.5
271	121	0.11	140	< 0.5	< 0.5	< 0.5	< 0.5
273	88	0.03	151	< 0.5	< 0.5	< 0.5	< 0.5
274	161	0.03	455	< 0.5	< 0.5	< 0.5	< 0.5
275	227	0.21	329	< 0.5	< 0.5	< 0.5	< 0.5
276	135	0.27	645	< 0.5	< 0.5	< 0.5	< 0.5
277	219	0.16	177	< 0.5	< 0.5	< 0.5	< 0.5
278	104	0.07	329	< 0.5	< 0.5	< 0.5	< 0.5
279	158	0.49	344	< 0.5	< 0.5	< 0.5	< 0.5
280	158	0.2	359	< 0.5	< 0.5	< 0.5	< 0.5
281	175	0.04	393	< 0.5	< 0.5	< 0.5	< 0.5
282	87.2	0.2	322	< 0.5	< 0.5	< 0.5	< 0.5
283	95.3	0.35	282	< 0.5	< 0.5	< 0.5	< 0.5
284	189	0.2	291	< 0.5	< 0.5	< 0.5	< 0.5
285	111	0.23	466	< 0.5	< 0.5	< 0.5	< 0.5
286	105	0.21	477	< 0.5	< 0.5	< 0.5	< 0.5
287	102	0.05	186	< 0.5	< 0.5	< 0.5	< 0.5
288	89.1	0.24	406	< 0.5	< 0.5	< 0.5	< 0.5
289	268	0.05	522	< 0.5	< 0.5	< 0.5	< 0.5
290	263	0.02	542	< 0.5	< 0.5	< 0.5	< 0.5
293	187	0.09	189	< 0.5	< 0.5	< 0.5	< 0.5
296	172	0.05	293	< 0.5	< 0.5	< 0.5	< 0.5
297	115	0.04	297	< 0.5	< 0.5	< 0.5	< 0.5
298	98	0.1	522	< 0.5	< 0.5	< 0.5	< 0.5
299	128	0.05	672	< 0.5	< 0.5	< 0.5	< 0.5
300	194	0.17	805	< 0.5	< 0.5	< 0.5	< 0.5
301 extra	71.6	0.16	279	< 0.5	< 0.5	< 0.5	< 0.5
302 extra	94	0.28	502	< 0.5	< 0.5	< 0.5	< 0.5
303 extra	149	0.45	243	< 0.5	< 0.5	< 0.5	< 0.5

Final Report
Activation Laboratories

Analyte Symbol	Sr	Cs	Ba	Ru	Pd	Os	Pt
Unit Symbol	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Detection Limit	0.1	0.01	0.5	0.5	0.5	0.5	0.5
Analysis Method	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS
304 extra	42.5	0.3	303	< 0.5	< 0.5	< 0.5	< 0.5
305 extra	148	0.35	408	< 0.5	< 0.5	< 0.5	< 0.5
306 extra	102	0.32	432	< 0.5	< 0.5	< 0.5	< 0.5
307 extra	541	0.43	369	< 0.5	< 0.5	< 0.5	< 0.5
308 extra	246	0.28	821	< 0.5	< 0.5	< 0.5	< 0.5
309 extra	236	0.28	454	< 0.5	< 0.5	< 0.5	< 0.5
A extra	145	0.61	211	< 0.5	< 0.5	< 0.5	< 0.5
B extra	228	0.14	1320	< 0.5	< 0.5	< 0.5	< 0.5
C extra	130	0.14	243	< 0.5	< 0.5	< 0.5	< 0.5
E extra	244	0.06	360	< 0.5	< 0.5	< 0.5	< 0.5
I extra	185	0.16	428	< 0.5	< 0.5	< 0.5	< 0.5
J extra	251	0.92	616	< 0.5	< 0.5	< 0.5	< 0.5
K extra	51.5	1.26	839	< 0.5	< 0.5	< 0.5	< 0.5
L extra	63.3	0.57	197	< 0.5	< 0.5	< 0.5	< 0.5
M extra	112	0.49	291	< 0.5	< 0.5	< 0.5	< 0.5
N extra	84.8	1.75	237	< 0.5	< 0.5	< 0.5	< 0.5
Q extra	224	0.64	469	< 0.5	< 0.5	< 0.5	< 0.5
T extra	143	0.06	614	< 0.5	< 0.5	< 0.5	< 0.5
V extra	278	0.03	484	< 0.5	< 0.5	< 0.5	< 0.5

Quality Control Records

Final Report
Activation Laboratories

Analyte Symbol	Cl	Br	I	V	As	Se	Mo	Sb	Te	W	Re	Au	Hg	Th	U	Co	Ni
Unit Symbol	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Detection Limit	1000	1	1	0.1	0.1	1	0.1	0.01	0.5	0.1	0.005	0.005	0.1	0.01	0.01	0.2	1
Analysis Method	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS
TILL-1 Meas		427		80.7	19		5.5	49.5				0.017	0.4	2.91	4.35	76	22
TILL-1 Cert		6400		99000	18000		2000	7800				13	90	5600	2200	18000	24000
SO-3 Meas				70.6									0.3			3.6	8
SO-3 Cert				38000									17			8000	16000
Till-2 Meas		976			18.3		36.1	1.32		3.4		< 0.005	< 0.1	8.44	11.5	29.9	29
Till-2 Cert		11000			24000		15000	800		6000		3000	70	18000	6000	13000	29000
010 Orig	12000	21	3	11.5	2	2	3	0.44	< 0.5	0.1	0.047	< 0.005	< 0.1	0.12	0.38	43.8	27
010 Dup	12000	23	3	12.5	2.1	1	3.3	0.43	< 0.5	0.2	0.051	< 0.005	< 0.1	0.12	0.37	102	30
023 Orig	40000	61	10	128	7.2	3	5.5	0.48	< 0.5	0.3	0.053	< 0.005	< 0.1	0.69	0.37	10.1	33
023 Dup	44000	61	10	131	7.3	3	5.2	0.29	< 0.5	0.2	0.053	< 0.005	< 0.1	0.63	0.33	10.2	31
032 Orig	21000	79	15	27.1	5.2	5	1.8	0.78	< 0.5	0.1	0.075	< 0.005	< 0.1	0.75	0.78	35.3	81
032 Dup	19000	77	17	30.7	5.8	5	2.2	0.84	< 0.5	0.2	0.084	< 0.005	< 0.1	0.87	0.79	35.4	84
067 Orig	14000	76	22	25.8	3.4	3	27.4	0.26	< 0.5	0.2	0.039	< 0.005	< 0.1	0.74	1.08	48.1	28
067 Dup	14000	94	22	26.3	3.5	4	27.7	0.28	< 0.5	0.2	0.04	< 0.005	< 0.1	0.79	1.13	42.6	27
086 Orig	25000	121	22	4.1	1.6	5	0.2	< 0.01	< 0.5	< 0.1	0.064	< 0.005	0.1	0.46	0.48	17.7	37
088 Dup	24000	120	21	3	1.3	5	0.2	< 0.01	< 0.5	< 0.1	0.103	< 0.005	< 0.1	0.45	0.53	15.8	34
138 Orig	21000	130	33	18.6	5.3	3	0.6	0.14	< 0.5	< 0.1	0.073	< 0.005	< 0.1	0.77	0.48	6.3	47
138 Dup	20000	130	35	19.6	5.7	3	0.6	0.19	< 0.5	< 0.1	0.082	< 0.005	0.2	0.76	0.5	6.5	49
147 Orig	19000	185	46	1.9	3.6	6	0.3	0.46	< 0.5	0.1	0.076	< 0.005	< 0.1	0.57	0.75	8	50
147 Dup	19000	187	48	1.9	3.3	6	0.2	0.48	< 0.5	0.1	0.094	< 0.005	0.1	0.57	0.76	8.8	54
160 Orig	9000	18	2	25.1	2.1	< 1	1.4	0.01	< 0.5	< 0.1	0.076	< 0.005	< 0.1	0.07	0.06	0.7	3
160 Dup	6000	20	2	23.9	2.6	< 1	1.4	0.02	< 0.5	< 0.1	0.1	< 0.005	< 0.1	0.06	0.04	0.7	3
195 Orig	20000	105	64	6	1.6	7	< 0.1	0.19	< 0.5	< 0.1	0.057	< 0.005	0.2	0.79	1.08	5.7	31
195 Dup	19000	115	66	7.1	1.6	6	< 0.1	0.24	< 0.5	< 0.1	0.054	< 0.005	0.2	0.79	1.11	6.3	32
206 Orig	31000	120	36	13.4	1.3	4	0.3	0.89	< 0.5	< 0.1	0.056	< 0.005	< 0.1	0.5	0.64	10.9	29
206 Dup	32000	122	34	12.1	1.3	4	0.4	0.63	< 0.5	< 0.1	0.063	< 0.005	< 0.1	0.48	0.61	11.3	30
215 Orig	20000	67	16	25	4.4	2	0.7	0.39	< 0.5	< 0.1	0.058	< 0.005	< 0.1	0.49	0.34	20.3	46
215 Dup	22000	68	16	23.6	3.6	2	0.5	0.26	< 0.5	< 0.1	0.049	< 0.005	< 0.1	0.47	0.34	19.3	43
244 Orig	19000	165	37	4.3	1.8	1	< 0.1	0.54	< 0.5	< 0.1	0.042	< 0.005	< 0.1	0.28	0.6	3.1	9
244 Dup	17000	151	37	2.7	1.7	2	< 0.1	0.49	< 0.5	< 0.1	0.046	< 0.005	< 0.1	0.25	0.62	2.7	7
256 Orig	23000	98	47	9.6	1.1	5	0.3	0.23	< 0.5	0.1	0.144	< 0.005	< 0.1	0.45	0.53	6.6	31
256 Dup	16000	83	48	8.3	1.4	5	0.4	0.24	< 0.5	0.1	0.123	< 0.005	< 0.1	0.41	0.51	6	27
265 Orig	18000	58	26	16.8	3.9	3	1	0.18	< 0.5	< 0.1	0.08	< 0.005	< 0.1	0.28	0.34	5.2	29
265 Dup	19000	65	26	20.1	4.1	3	0.9	0.24	< 0.5	< 0.1	0.083	< 0.005	< 0.1	0.31	0.33	7.4	33
298 Orig	16000	55	58	4.9	0.8	1	< 0.1	0.3	< 0.5	< 0.1	0.008	< 0.005	< 0.1	0.25	0.42	9	12
298 Dup	16000	54	56	5.5	0.7	1	< 0.1	0.24	< 0.5	< 0.1	0.007	< 0.005	< 0.1	0.3	0.44	9.3	14
307 extra Orig	44000	117	56	11.4	2	5	0.7	1.08	< 0.5	< 0.1	0.067	< 0.005	< 0.1	0.46	0.56	10.3	26
307 extra Dup	43000	117	54	8.7	2.1	5	1.4	1.1	< 0.5	0.1	0.076	< 0.005	< 0.1	0.4	0.55	9.5	24
K extra Orig	18000	61	18	11.7	0.4	< 1	0.3	0.05	< 0.5	0.2	0.013	< 0.005	< 0.1	0.76	0.45	26.8	18
K extra Dup	20000	54	18	13	0.4	< 1	0.2	0.03	< 0.5	0.2	0.013	< 0.005	< 0.1	0.88	0.42	31.8	18
Method Blank Method Blank	< 1000	< 1	< 1	< 0.1	< 0.1	< 1	< 0.1	< 0.01	< 0.5	< 0.1	< 0.005	< 0.005	< 0.1	< 0.01	< 0.01	< 0.2	< 1

Final Report
Activation Laboratories

Analyte Symbol	Cu	Zn	Pb	Ga	Ge	Ag	Cd	In	Sn	Tl	Bi	Ti	Cr	Y	Zr	Nb	Hf
Unit Symbol	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Detection Limit	1	5	0.1	0.3	0.05	0.1	0.1	0.01	0.2	0.005	0.5	10	3	0.05	0.1	0.1	0.01
Analysis Method	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS
TILL-1 Meas	178	98	14.9									660	< 3	16.1	11.2	1.8	0.35
TILL-1 Cert	47000	98000	22000									5990000	65000	38000	502000	10000	13000
SO-3 Meas	14	18	3.1									330	7				
SO-3 Cert	17000	52000	14000									2000000	26000				
Till-2 Meas	179	146	11.2									1150	< 3	31.7	39.8	4.5	1.35
Till-2 Cert	139000	121000	30000									5400000	80000	41000	385000	20000	10000
010 Orig	19	71	3.9	0.8	0.12	< 0.1	2.1	< 0.01	< 0.2	0.036	< 0.5	270	< 3	3.69	2.4	0.5	0.12
010 Dup	21	85	3.9	0.9	0.09	< 0.1	2.4	< 0.01	< 0.2	0.025	< 0.5	310	< 3	4.34	2.5	0.5	0.11
023 Orig	16	412	4.3	2.7	0.21	< 0.1	2.4	0.02	0.2	0.21	< 0.5	1230	< 3	0.95	19.9	2.3	0.77
023 Dup	13	439	4.6	2.5	0.24	< 0.1	2.7	0.01	0.2	0.161	< 0.5	1200	8	0.59	18.6	2.2	0.76
032 Orig	11	418	4.2	4.1	0.08	< 0.1	3.5	0.02	0.2	0.211	< 0.5	1100	< 3	0.97	6.4	1.2	0.24
032 Dup	12	422	2.5	4.8	0.05	< 0.1	3.4	0.02	0 3	0.207	< 0.5	1150	< 3	1.02	6.9	1.4	0.32
067 Orig	34	49	1.7	1.3	0.16	< 0.1	1.6	< 0.01	< 0.2	0.139	< 0.5	490	< 3	2.52	7.3	1.1	0.28
067 Dup	35	43	1.4	1.6	0.13	< 0.1	1.5	< 0.01	0.3	0.153	< 0.5	500	< 3	2.49	9	1.9	0.27
086 Orig	11	401	1.6	1	< 0.05	< 0.1	3.7	< 0.01	< 0.2	0.304	< 0.5	120	< 3	1.25	3.6	0.1	0.14
086 Dup	10	342	1.2	0.8	0.07	< 0.1	3.2	0.01	< 0.2	0.336	< 0.5	110	< 3	1.19	3.8	< 0.1	0.13
138 Orig	7	111	2.5	1.4	0.06	< 0.1	1.8	0.01	< 0.2	0.188	< 0.5	300	< 3	0.78	5.7	0.7	0.25
138 Dup	7	122	2.4	1.5	0.13	< 0.1	1.9	0.01	< 0.2	0.204	< 0.5	300	< 3	0.76	6	0.9	0.26
147 Orig	3	99	4.7	0.3	0.06	< 0.1	1.1	< 0.01	< 0.2	0.342	< 0.5	90	< 3	0.97	3.3	< 0.1	0.12
147 Dup	3	99	3.8	< 0.3	< 0.05	< 0.1	1.1	< 0.01	< 0.2	0.391	< 0.5	80	< 3	0.9	3.1	< 0.1	0.13
160 Orig	< 1	41	< 0.1	0.5	0.13	< 0.1	0.8	< 0.01	< 0.2	0.164	< 0.5	200	< 3	< 0.05	2.9	0.3	0.13
160 Dup	< 1	50	< 0.1	0.4	0.08	< 0.1	0.9	< 0.01	< 0.2	0.155	< 0.5	190	< 3	< 0.05	2.9	0.4	0.14
195 Orig	9	70	1.8	0.3	0.07	< 0.1	1.5	< 0.01	< 0.2	0.254	< 0.5	70	< 3	5.2	4.5	0.1	0.18
195 Dup	12	80	2.8	0.3	0.07	< 0.1	1.6	< 0.01	< 0.2	0.28	< 0.5	60	< 3	5.67	4.5	< 0.1	0.19
206 Orig	5	21	1.6	0.6	< 0.05	< 0.1	1.3	< 0.01	< 0.2	0.418	< 0.5	170	< 3	2.24	4.2	0.2	0.2
206 Dup	6	28	0.7	0.6	0.1	< 0.1	1.3	< 0.01	< 0.2	0.405	< 0.5	190	< 3	2.16	4.1	0.2	0.19
215 Orig	6	68	1 8	2 1	< 0.05	< 0.1	2.1	< 0.01	< 0.2	0.265	< 0.5	640	< 3	0.9	6.3	0.6	0.27
215 Dup	4	33	1.7	2	0.05	< 0.1	1.5	< 0.01	< 0.2	0.224	< 0.5	660	< 3	0.89	7	0.7	0.26
244 Orig	< 1	24	2	< 0.3	0.05	< 0.1	2.1	< 0.01	< 0.2	0.252	< 0.5	50	< 3	3.06	2.6	< 0.1	0.09
244 Dup	< 1	17	1.4	< 0.3	0.05	< 0.1	1.8	< 0.01	< 0.2	0.231	< 0.5	40	< 3	2.55	2.2	< 0.1	0.08
256 Orig	< 1	29	0.6	0.4	0.06	< 0.1	1.5	< 0.01	< 0.2	0.211	< 0.5	140	< 3	1.03	2.5	0.1	0.12
256 Dup	< 1	34	0.5	0.4	0.05	< 0.1	1.3	< 0.01	< 0.2	0.204	< 0.5	120	< 3	0.93	2.3	< 0.1	0.11
265 Orig	1	105	2.4	1.5	< 0.05	< 0.1	0.7	< 0.01	< 0.2	0.074	< 0.5	350	19	0.42	5	0.3	0.24
265 Dup	1	113	2.6	1.6	< 0.05	< 0.1	0.8	< 0.01	< 0.2	0.072	< 0.5	360	10	0.44	4.9	0.4	0.23
298 Orig	4	24	1.1	< 0.3	< 0.05	< 0.1	1.4	< 0.01	< 0.2	0.104	< 0.5	60	< 3	1.87	2.5	< 0.1	0.09
298 Dup	3	30	1.9	< 0.3	0.06	< 0.1	1.3	< 0.01	< 0.2	0.113	< 0.5	70	< 3	1.65	2.5	< 0.1	0.11
307 extra Orig	1	36	0.2	0.6	< 0.05	< 0.1	0.8	< 0.01	< 0.2	0.209	< 0.5	120	10	0.86	3.6	< 0.1	0.16
307 extra Dup	1	38	< 0.1	0.4	< 0.05	< 0.1	0.7	< 0.01	< 0.2	0.191	< 0.5	110	11	0.75	3.3	< 0.1	0.13
K extra Orig	8	43	1.4	0.4	< 0.05	< 0.1	0.9	< 0.01	< 0.2	0.23	< 0.5	290	< 3	3.26	4.6	0.3	0.21
K extra Dup	6	35	1.2	0.6	< 0.05	< 0.1	1	< 0.01	< 0.2	0.204	< 0.5	330	< 3	3.63	5.3	0.3	0.2
Method Blank Method Blank	< 1	< 5	< 0.1	< 0.3	< 0.05	< 0.1	< 0.1	< 0.01	< 0.2	< 0.005	< 0.5	< 10	< 3	< 0.05	< 0.1	< 0.1	< 0.01

Final Report
Activation Laboratories

Analyte Symbol	Ta	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Li	Be
Unit Symbol	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Detection Limit	0.02	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	0.5	0.1
Analysis Method	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS
TILL-1 Meas	0.09	13.7	29.1		19	4.4	1.02		0.58			1.74		1.83	0.27	2.2	0.8
TILL-1 Cert	700	28000	71000		26000	5900	1300		1100			3600		3900	600	15000	2400
SO-3 Meas																	
SO-3 Cert																	
Till-2 Meas	0.23	25.9	64.4			7.49	1.74		1.08					3.3		17.3	
Till-2 Cert	2000	46000	112000			9000	1000		1000					4000		42	
010 Orig	< 0.02	3.63	1.77	1.11	4.53	0.94	0.25	0.81	0.1	0.49	0.1	0.34	0.04	0.31	0.04	4.8	1.8
010 Dup	< 0.02	4.34	1.98	1.19	5.41	1.05	0.25	0.84	0.12	0.58	0.12	0.36	0.05	0.32	0.05	68.5	2.1
023 Orig	0.07	0.83	2.14	0.3	1.31	0.3	0.09	0.24	0.03	0.14	0.03	0.11	0.01	0.09	0.01	18.9	0.2
023 Dup	0.07	0.45	1.5	0.18	0.79	0.18	0.07	0.18	0.02	0.1	0.02	0.08	< 0.01	0.07	< 0.01	17.1	0.4
032 Orig	0.04	1.24	3.66	0.3	1.22	0.26	0.15	0.21	0.03	0.17	0.03	0.11	< 0.01	0.09	< 0.01	6.2	1.3
032 Dup	0.07	1.27	3.91	0.37	1.26	0.32	0.18	0.26	0.04	0.18	0.04	0.12	< 0.01	0.1	< 0.01	6.4	1.5
067 Orig	0.03	2.29	3.49	0.82	3.42	0.74	0.26	0.59	0.08	0.43	0.09	0.26	0.04	0.3	0.04	3.4	1.1
067 Dup	0.04	2.56	3.64	0.86	3.56	0.77	0.24	0.64	0.06	0.45	0.09	0.28	0.04	0.27	0.05	8.6	0.9
086 Orig	< 0.02	1.05	2.39	0.31	1.22	0.27	0.15	0.28	0.04	0.25	0.05	0.14	0.02	0.12	0.02	21	3.6
086 Dup	< 0.02	1.15	2.38	0.31	1.21	0.36	0.19	0.29	0.08	0.28	0.07	0.16	0.04	0.17	0.06	11.9	3.1
138 Orig	< 0.02	0.92	2.15	0.26	1.13	0.32	0.11	0.21	0.04	0.18	0.04	0.11	0.01	0.11	0.01	19.8	0.9
138 Dup	< 0.02	0.93	2.05	0.27	1.11	0.28	0.1	0.24	0.04	0.21	0.04	0.11	0.02	0.09	0.01	20.6	1
147 Orig	< 0.02	1	2.28	0.28	1.14	0.28	0.11	0.24	0.04	0.2	0.04	0.11	0.01	0.1	0.01	8.5	1.8
147 Dup	< 0.02	1.02	2.22	0.28	1.1	0.27	0.1	0.23	0.04	0.21	0.04	0.12	0.01	0.1	0.01	7.7	1.8
160 Orig	< 0.02	< 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	33.1	< 0.1
160 Dup	< 0.02	< 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	54.4	< 0.1
195 Orig	< 0.02	5.09	11.1	1.55	6.14	1.44	0.42	1.18	0.19	0.99	0.2	0.56	0.08	0.48	0.07	9.7	2.4
195 Dup	< 0.02	5.6	12.1	1.68	6.63	1.53	0.48	1.18	0.21	1.07	0.2	0.56	0.08	0.5	0.08	10.3	3.1
206 Orig	< 0.02	2.09	4.77	0.61	2.71	0.66	0.19	0.5	0.08	0.43	0.07	0.23	0.03	0.21	0.03	3	1.7
208 Dup	< 0.02	1.96	4.57	0.62	2.64	0.59	0.19	0.48	0.08	0.39	0.08	0.23	0.03	0.21	0.03	2.6	1.6
215 Orig	< 0.02	0.72	1.93	0.23	1.02	0.24	0.08	0.19	0.03	0.18	0.04	0.13	0.01	0.12	0.01	9.1	1
215 Dup	< 0.02	0.64	1.92	0.23	0.91	0.25	0.08	0.22	0.03	0.17	0.03	0.09	0.02	0.11	0.01	7.1	0.9
244 Orig	< 0.02	5.56	6.74	0.99	3.68	0.77	0.26	0.59	0.09	0.41	0.1	0.26	0.03	0.23	0.03	6.2	2.2
244 Dup	< 0.02	4.66	5.66	0.86	3.35	0.7	0.23	0.57	0.08	0.44	0.08	0.23	0.04	0.21	0.03	4.6	2.3
256 Orig	< 0.02	1.16	2.49	0.31	1.28	0.28	0.14	0.23	0.04	0.2	0.04	0.13	0.02	0.11	0.01	3.6	2
256 Dup	< 0.02	1.05	2.31	0.28	1.15	0.28	0.13	0.23	0.03	0.18	0.04	0.11	0.02	0.09	0.01	3.1	2
265 Orig	< 0.02	0.89	1.44	0.19	0.89	0.15	0.07	0.12	0.02	0.09	0.02	0.04	< 0.01	0.04	< 0.01	7.8	0.5
285 Dup	< 0.02	0.88	1.41	0.19	0.73	0.17	0.08	0.12	0.02	0.1	0.02	0.05	< 0.01	0.05	< 0.01	15.2	0.6
298 Orig	< 0.02	1.91	4.32	0.55	2.16	0.44	0.16	0.38	0.06	0.31	0.06	0.18	0.03	0.15	0.02	2.7	2.1
298 Dup	< 0.02	1.82	3.94	0.48	1.84	0.41	0.16	0.33	0.06	0.31	0.06	0.15	0.02	0.15	0.02	3	1.8
307 extra Orig	< 0.02	0.68	1.44	0.22	0.93	0.24	0.13	0.19	0.03	0.19	0.03	0.1	0.01	0.1	0.01	2.8	2
307 extra Dup	< 0.02	0.45	1.25	0.19	0.82	0.23	0.1	0.18	0.03	0.16	0.03	0.08	0.01	0.08	< 0.01	2.1	1.2
K extra Orig	< 0.02	3.57	6.71	0.93	3.7	0.88	0.29	0.66	0.11	0.59	0.11	0.32	0.04	0.26	0.03	4.4	2.5
K extra Dup	< 0.02	4.03	7.52	1.08	4.31	0.98	0.31	0.81	0.13	0.66	0.13	0.35	0.05	0.31	0.03	2.5	3
Method Blank Method Blank	< 0.02	< 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	< 0.5	< 0.1

Final Report
Activation Laboratories

Analyte Symbol	Sc	Mn	Rb	Sr	Cs	Ba	Ru	Pd	Os	Pt
Unit Symbol	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Detection Limit	10	0.4	0.1	0.1	0.01	0.5	0.5	0.5	0.5	0.5
Analysis Method	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS	ENZ-MS
TILL-1 Meas	10	33400	43.7	393	0.37	765				
TILL-1 Cert	13000	1420000	44000	291000	1000	702000				
SO-3 Meas		674	94.8	1020		117				
SO-3 Cert		520000	39000	217000		296000				
Till-2 Meas	20	6540		710	4.64	1330				
Till-2 Cert	13000	775000		124000	12000	550000				
010 Orig	< 10	79.3	2.2	242	0.04	132	< 0.5	< 0.5	< 0.5	< 0.5
010 Dup	< 10	85.2	2.7	272	0.05	146	< 0.5	< 0.5	< 0.5	< 0.5
023 Orig	< 10	558	20.3	173	0.26	311	< 0.5	< 0.5	< 0.5	< 0.5
023 Dup	< 10	548	20.6	175	0.22	311	< 0.5	< 0.5	< 0.5	< 0.5
032 Orig	< 10	1420	31.2	242	0.11	867	< 0.5	< 0.5	< 0.5	< 0.5
032 Dup	< 10	1420	31.3	245	0.11	945	< 0.5	< 0.5	< 0.5	< 0.5
067 Orig	< 10	3800	14.6	216	0.46	557	< 0.5	< 0.5	< 0.5	< 0.5
067 Dup	< 10	3360	14.5	201	0.59	522	< 0.5	< 0.5	< 0.5	< 0.5
086 Orig	< 10	256	37.4	125	1.53	618	< 0.5	< 0.5	< 0.5	< 0.5
086 Dup	< 10	240	36	118	1.51	567	< 0.5	< 0.5	< 0.5	< 0.5
138 Orig	< 10	450	41	124	0.18	211	< 0.5	< 0.5	< 0.5	< 0.5
138 Dup	< 10	461	42.2	126	0.18	220	< 0.5	< 0.5	< 0.5	< 0.5
147 Orig	< 10	177	68.9	88.2	1.15	199	< 0.5	< 0.5	< 0.5	< 0.5
147 Dup	< 10	170	68.8	66.8	1.19	196	< 0.5	< 0.5	< 0.5	< 0.5
180 Orig	< 10	46.2	17.9	37.3	0.51	58.6	< 0.5	< 0.5	< 0.5	< 0.5
180 Dup	< 10	50.1	17.2	40.6	0.47	63.8	< 0.5	< 0.5	< 0.5	< 0.5
195 Orig	< 10	187	29.1	33.5	0.87	217	< 0.5	< 0.5	< 0.5	< 0.5
195 Dup	< 10	198	32.3	37.4	0.73	250	< 0.5	< 0.5	< 0.5	< 0.5
206 Orig	< 10	531	37.1	92.7	1.29	351	< 0.5	< 0.5	< 0.5	< 0.5
206 Dup	< 10	558	37.3	93.7	1.28	353	< 0.5	< 0.5	< 0.5	< 0.5
215 Orig	< 10	598	28.6	97.2	0.24	247	< 0.5	< 0.5	< 0.5	< 0.5
215 Dup	< 10	587	27.5	90.4	0.24	222	< 0.5	< 0.5	< 0.5	< 0.5
244 Orig	< 10	154	28.4	47.2	0.41	323	< 0.5	< 0.5	< 0.5	< 0.5
244 Dup	< 10	136	25.7	42.5	0.37	286	< 0.5	< 0.5	< 0.5	< 0.5
256 Orig	< 10	492	43.9	212	0.33	531	< 0.5	< 0.5	< 0.5	< 0.5
256 Dup	< 10	458	41	196	0.31	500	< 0.5	< 0.5	< 0.5	< 0.5
265 Orig	< 10	191	15.4	105	0.03	185	< 0.5	< 0.5	< 0.5	< 0.5
265 Dup	< 10	208	15.8	117	0.02	213	< 0.5	< 0.5	< 0.5	< 0.5
298 Orig	< 10	459	24.4	96.8	0.09	511	< 0.5	< 0.5	< 0.5	< 0.5
298 Dup	< 10	473	24.7	99.1	0.11	532	< 0.5	< 0.5	< 0.5	< 0.5
307 extra Orig	< 10	639	34	564	0.44	388	< 0.5	< 0.5	< 0.5	< 0.5
307 extra Dup	< 10	603	33	517	0.42	349	< 0.5	< 0.5	< 0.5	< 0.5
K extra Orig	< 10	1230	36.7	51.8	1.25	841	< 0.5	< 0.5	< 0.5	< 0.5
K extra Dup	< 10	1400	34.6	51.2	1.27	836	< 0.5	< 0.5	< 0.5	< 0.5
Method Blank Method Blank	< 10	< 0.4	< 0.1	< 0.1	< 0.01	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5

Final Report
Activation Laboratories

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Detection Limit	5	0.03
Analysis Method	FA-AA	FA-GRA
CDN-GS-5B Meas		4.76
CDN-GS-5B Cert		4.83
OxC58 Meas	217	
OxC58 Cert	201	
JW-09-10 Orig	> 3000	28.1
JW-09-10 Split	> 3000	28.2
JW-09-10 Orig	> 3000	
JW-09-10 Dup	> 3000	
Method Blank Method Blank	< 5	
Method Blank Method Blank		< 0.03